

August 9, 2005

CERTIFIED MAIL 7004 1160 0000 5510 2134  
RETURN RECEIPT REQUESTED

William R. Raiola  
Senior Vice President, Sugar Processing  
United States Sugar Corporation  
1731 South W.C. Owen Avenue  
Clewiston, Florida 33440

Re: Title V Air Operation Permit Revision  
PROPOSED Permit Project No.: 0990061-008-AV  
Revision to Title V Air Operation Permit No.: 0990061-001-AV  
U.S. Sugar Bryant Mill

Dear Mr. Raiola:

One copy of the “PROPOSED Determination” for the Title V Air Operation Permit Revision for the U.S. Sugar Bryant Mill located off U.S. Highway 98 on Bryant Mill Road, Palm Beach County, is enclosed. This letter is only a courtesy to inform you that the DRAFT Permit has become a PROPOSED Permit.

An electronic version of this determination has been posted on the Division of Air Resources Management’s world wide web site for the United States Environmental Protection Agency (USEPA) Region 4 office’s review. The web site address is:

“<http://www.dep.state.fl.us/air/eproducts/ards/default.asp>”

Pursuant to Section 403.0872(6), Florida Statutes, if no objection to the PROPOSED Permit is made by the USEPA within 45 days, the PROPOSED Permit will become a FINAL Permit no later than 55 days after the date on which the PROPOSED Permit was mailed (posted) to USEPA. If USEPA has an objection to the PROPOSED Permit, the FINAL Permit will not be issued until the permitting authority receives written notice that the objection is resolved or withdrawn.

William R. Raiola  
August 9, 2005  
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If you should have any questions, please contact Mara G. Nasca, Environmental Manager, at (239) 332-6975, Ext. 188.

Sincerely,

---

Jon M. Iglehart  
Director of  
District Management

JMI/MGN/jw  
Enclosures

Copy furnished to:

David A. Buff, P.E., Golder Associates, Inc. (electronically)

James Stormer, Palm Beach Health Department (electronically)

Barbara Friday, BAR [barbara.friday@dep.state.fl.us] (for posting with Region 4, U.S. EPA)

## **PROPOSED Determination**

Title V Air Operation Permit Revision  
PROPOSED Permit Project No.: 0990061-008-AV  
Revision to Title V Air Operation Permit No.: 0990061-001-AV  
Page 1 of 2

### **I. Public Notice.**

An “INTENT TO ISSUE TITLE V AIR OPERATION PERMIT REVISION” to United States Sugar Corporation for the U.S. Sugar Bryant Mill located off U.S. Highway 98 on Bryant Mill Road, Palm Beach County was clerked on June 9, 2005. The “PUBLIC NOTICE OF INTENT TO ISSUE TITLE V AIR OPERATION PERMIT REVISION” was published in The Sun newspaper on June 30, 2005. The DRAFT Permit was available for public inspection at the Palm Beach County Health Department in West Palm Beach and at the permitting authority’s office in Fort Myers. Proof of publication of the “PUBLIC NOTICE OF INTENT TO ISSUE TITLE V AIR OPERATION PERMIT REVISION” was received on July 5, 2005.

### **II. Public Comments.**

(1) No comments were received during the 30 (thirty) day public comment period. Since no comments were received, the DRAFT Permit becomes the PROPOSED Permit.

A. The Department did note in Section II. Facility-wide Conditions, Specific Condition 11. the incorrect area code was listed for the South District Office.

**1. Response:** The area code will be updated.

As a result of this comment, Facility-wide Specific Condition No. 11. is hereby changed:

**From: 11.** The permittee shall submit all compliance related notifications and reports required by this permit to the South District Office of the Department of Environmental Protection and the Air Pollution Control Section of the Palm Beach County Health Department (PBCHD) at:

#### **Department of Environmental Protection**

South District Office  
Post Office Box 2549  
Fort Myers, Florida 33902-2549  
Telephone: (941) 332-6975  
Fax: (941) 332-6969

#### **Palm Beach County Health Department**

Air Pollution Control Section  
Post Office Box 29  
West Palm Beach, Florida 33402-0029  
Telephone: (561) 355-3136  
Fax: (561) 355-2442

PROPOSED Determination

Title V Air Operation Permit Revision

PROPOSED Permit Project No.: 0990061-008-AV

Revision to Title V Air Operation Permit No.: 0990061-001-AV

Page 2 of 2

**To: 11.** The permittee shall submit all compliance related notifications and reports required by this permit to the South District Office of the Department of Environmental Protection and the Air Pollution Control Section of the Palm Beach County Health Department (PBCHD) at:

**Department of Environmental Protection**

South District Office  
Post Office Box 2549  
Fort Myers, Florida 33902-2549  
Telephone: (239) 332-6975  
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**Palm Beach County Health Department**

Air Pollution Control Section  
Post Office Box 29  
West Palm Beach, Florida 33402-0029  
Telephone: (561) 355-3136  
Fax: (561) 355-2442

**III. Conclusion.**

The permitting authority hereby issues the PROPOSED Permit, with any changes noted above.

**United States Sugar Corporation**  
**U.S. Sugar Bryant Mill**  
Facility ID No.: 0990061  
Palm Beach County

Title V Air Operation Permit Revision

**PROPOSED Permit No.: 0990061-008-AV**  
**Revision to Title V Air Operation Permit No.: 0990061-001-AV**

Permitting Authority:  
State of Florida, Department of Environmental Protection  
South District  
Division of Air Resources Management  
2295 Victoria Avenue, Suite 364  
Fort Myers, Florida 33901  
Telephone (239) 332-6975  
Fax: (239) 332-6969

**Title V Air Operation Permit Revision**

**PROPOSED Permit No.: 0990061-008-AV**

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**PERMITTEE:**  
United States Sugar Corporation

**FINAL Permit No.:** 0990061-008-AV  
**Facility ID No.:** 0990061  
**SIC Nos.:** 2061  
**Project:** Title V Air Operation Permit Revision

This permit is for the operation of the U.S. Sugar Bryant Mill. This facility is located at Bryant Mill Road off U.S. Highway 98, Palm Beach County; UTM Coordinates: Zone 17, 537.8 km East and 2969.1 km North; Latitude: 26° 50' 41" North and Longitude: 80° 37' 09" West.

STATEMENT OF BASIS: This Title V air operation permit is issued under the provisions of Chapter 403, Florida Statutes (F.S.), and Florida Administrative Code (F.A.C.) Chapters 62-4, 62-210, and 62-213. The above named permittee is hereby authorized to perform the work or operate the facility shown on the application and approved drawing(s), plans, and other documents, attached hereto or on file with the permitting authority, in accordance with the terms and conditions of this permit.

**Referenced attachments made a part of this permit:**

APPENDIX U-1, List of Unregulated Emissions Units and/or Activities

APPENDIX I-1, List of Insignificant Emissions Units and/or Activities

APPENDIX SU-1, STARTUP AND SHUTDOWN PROCEDURES

APPENDIX TV-5, TITLE V CONDITIONS version dated 03/28/05

APPENDIX SS-1, STACK SAMPLING FACILITIES version dated 10/07/96

FIGURE 1 - SUMMARY REPORT-GASEOUS AND OPACITY EXCESS

EMISSION AND MONITORING SYSTEM PERFORMANCE REPORT version dated 07/96

Effective Date: DRAFT

Renewal Application Due Date: June 15, 2005

Expiration Date: December 15, 2005

STATE OF FLORIDA DEPARTMENT  
OF ENVIRONMENTAL PROTECTION

**DRAFT**

---

Jon M. Iglehart  
Director of  
District Management  
Post Office Box 2549  
Fort Myers, Florida 33902-2549  
(239) 332-6975

JMI/MGN/jw

**Section I. Facility Information.**

**Subsection A. Facility Description**

This facility consists of a Sugar Mill and Boiling House where sugar cane is pressed; the raw juice is clarified, and then crystallized, and centrifuged. Steam for this operation is furnished by 4 bagasse fueled boilers. These boilers also fire No. 6 residual fuel oil as supplementary fuel. There are 2 diesel electric generators capable of 1,000 kW each that are used primarily during the sugar off-season.

Also included in this permit are miscellaneous unregulated/insignificant emissions units and/or activities.

Based on the initial Title V permit application received June 14, 1996, and additional information received November 1999, this facility is a major source of hazardous air pollutants (HAPs).

**Subsection B. Summary of Emissions Unit ID No(s). and Brief Description(s).**

**E.U.**

**ID No.      Brief Description**

-001	Boiler No. 1
-002	Boiler No. 2
-003	Boiler No. 3
-005	Boiler No. 5
-006	Lime Silo
-007	Diesel Generator No. 1
-008	Diesel Generator No. 2

Unregulated Emissions Units and/or Activities

-009	Sugar Mill and Boiling House
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***Please reference the Permit No., Facility ID No., and appropriate Emissions Unit(s) ID No(s). on all correspondence, test report submittals, applications, etc.***

**Subsection C. Relevant Documents.**

The documents listed below are not a part of this permit; however, they are specifically related to this permitting action.

These documents are provided to the permittee for information purposes only:

Table 1-1, Summary of Air Pollutant Standards and Terms

Table 2-1, Summary of Compliance Requirements

Appendix A-1, Abbreviations, Acronyms, Citations, and Identification Numbers

Appendix H-1, Permit History/ID Number Changes

These documents are on file with permitting authority:

Initial Title V Permit Application received June 14, 1996



## **Section II. Facility-wide Conditions.**

### **The following conditions apply facility-wide:**

1. APPENDIX TV-5, TITLE V CONDITIONS, is a part of this permit.  
{Permitting note: APPENDIX TV-5, TITLE V CONDITIONS, is distributed to the permittee only. Other persons requesting copies of these conditions shall be provided one copy when requested or otherwise appropriate.}
2. **Not federally enforceable.** General Pollutant Emission Limiting Standards. Objectionable Odor Prohibited. 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.]
3. General Particulate Emission Limiting Standards. General Visible Emissions Standard.
  - 3.1. Except for emissions units that are subject to a particulate matter or opacity limit set forth or established by rule and reflected by conditions in this permit, no person shall cause, let, permit, suffer or allow to be discharged into the atmosphere the emissions of air pollutants from any activity, the density of which is equal to or greater than that designated as Number 1 on the Ringelmann Chart (20 percent opacity). The test method for visible emissions shall be EPA Method 9, incorporated and adopted by reference in Chapter 62-297, F.A.C.  
[Rules 62-296.320(4)(b)1. & 4., F.A.C.]
  - 3.2. If visible emissions from the bagasse handling system exceed 20 percent opacity, the permittee shall take reasonable precautions, as approved by the Department, to minimize unconfined emissions. These precautions shall include covered conveyors, minimizing the distance the bagasse is dropped during handling, and windbreaks around the material handling equipment.  
[Permit No. AC50-137573]
4. Prevention of Accidental Releases (Section 112(r) of CAA).  
As of the date of this Title V permit, this facility is not subject to 40 CFR Part 68, however;
  - a. The permittee shall submit its Risk Management Plan (RMP) to the Chemical Emergency Preparedness and Prevention Office (CEPPO) RMP Reporting Center when, and if, such requirement becomes applicable; and
  - b. The permittee shall submit to the permitting authority Title V certification forms or a compliance schedule in accordance with Rule 62-213.440(2), F.A.C.  
[40 CFR 68]
5. Unregulated Emissions Units and/or Activities. Appendix U-1, List of Unregulated Emissions Units and/or Activities, is a part of this permit.  
[Rule 62-213.440(1), F.A.C.]
6. Insignificant Emissions Units and/or Activities. Appendix I-1, List of Insignificant Emissions Units and/or Activities, is a part of this permit.  
[Rules 62-213.440(1), 62-213.430(6), and 62-4.040(1)(b), F.A.C.]
7. Compliance Plan. Not applicable.  
[Rule 62-213.440(2), F.A.C.]

**8. Not federally enforceable. General Pollutant Emission Limiting Standards. Volatile Organic Compounds (VOC) Emissions or Organic Solvents (OS) Emissions.** The permittee shall allow no person to store, pump, handle, process, load, unload or use in any process or installation, volatile organic compounds (VOC) or organic solvents (OS) without applying known and existing vapor emission control devices or systems deemed necessary and ordered by the Department. As of the date of this Title V permit, no vapor emission control devices, or systems have been deemed necessary or ordered by the Department.

[Rule 62-296.320(1)(a), F.A.C.]

**9.** When appropriate, any recording, monitoring, or reporting requirements that are time-specific shall be in accordance with the effective date of the permit, which defines day one.

[Rule 62-213.440, F.A.C.]

**10.** Unless otherwise specified, the averaging times for the applicable limits in this permit are the same as the run time of the test methods used for determining compliance.

[Rule 62-213.440(1)(b), F.A.C. (Periodic Monitoring)]

**11.** The permittee shall submit all compliance related notifications and reports required by this permit to the South District Office of the Department of Environmental Protection and the Air Pollution Control Section of the Palm Beach County Health Department (PBCHD) at:

**Department of Environmental Protection**

South District Office  
Post Office Box 2549  
Fort Myers, Florida 33902-2549  
Telephone: (239) 332-6975  
Fax: (239) 332-6969

**Palm Beach County Health Department**

Air Pollution Control Section  
Post Office Box 29  
West Palm Beach, Florida 33402-0029  
Telephone: (561) 355-3136  
Fax: (561) 355-2442

**12.** Any reports, data, notifications, certifications, and requests required to be sent to the United States Environmental Protection Agency, Region 4, should be sent to:

United States Environmental Protection Agency  
Region 4  
Air, Pesticides & Toxics Management Division  
Air and EPCRA Enforcement Branch, Air Enforcement Section  
61 Forsyth Street  
Atlanta, Georgia 30303  
Telephone: (404) 562-9055, Fax: (404) 562-9164

**13.** Fuel Oil Analysis.

**13.1.** Distillate oil means fuel oil that complies with the specifications for fuel oil numbers 1 or 2, as defined by the American Society for Testing and Materials in ASTM D396-78, "Standard Specification for Fuel Oils" (incorporated by reference--see Sec. 60.17).

**13.2.** Residual oil means crude oil, fuel oil that does not comply with the specifications under the definition of distillate oil, and all fuel oil numbers 4, 5, and 6, as defined by the American Society for Testing and Materials in ASTM D396-78, "Standard Specification for Fuel Oils" (incorporated by reference--see Sec. 60.17).

**13.3.** Sulfur. The sulfur content of all fuel oils shall be determined by either ASTM Method D 129-91, or D1552, or D 2622-94, or D 4294-90, or a comparable method approved by the Department.  
[Rule 62-213.440(1)(b)1.b, F.A.C.]

**14.** Annual Compliance Tests. During each federal fiscal year (October 1 -- September 30), unless otherwise specified by rule, order, or permit, the owner or operator of each emissions unit shall have a formal compliance test conducted for:

- a. Visible emissions, if there is an applicable standard;
- b. Each of the following pollutants, if there is an applicable standard;  
Particulate Matter;  
Nitrogen Oxides;  
Sulfur Dioxide;  
Carbon Monoxide and  
Volatile Organic Compounds.
- c. Each NESHAP pollutant, if there is an applicable emission standard.

[Rule 62-297.310(7)(a)4., F.A.C.]

**15.** 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 and to provide a report on the results of said tests to the Department.

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

**16.** Compliance Test Reports.

- (a) The owner or operator of an emissions unit for which a compliance test is required shall file a report with the Department on the results of each such test.
- (b) The required test report shall be filed with the Department as soon as practical but no later than 45 days after the last sampling run of each test is completed.
- (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 or DEP Method 9 test, shall provide the following information:
  1. The type, location, and designation of the emissions unit tested.
  2. The facility at which the emissions unit is located.
  3. The owner or operator of the emissions unit.
  4. The normal type and amount of fuels used and materials processed, and the types and amounts of fuels used and material processed during each test run.
  5. The means, raw data and computations used to determine the amount of fuels used and materials processed, if necessary to determine compliance with an applicable emission limiting standard.
  6. The type of air pollution control devices installed on the emissions unit, their general condition, their normal operating parameters (pressure drops, total operating current and GPM scrubber water), and their operating parameters during each test run.

7. A sketch of the duct within 8 stack diameters upstream and 2 stack diameters downstream of the sampling ports, 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 used, including any alternative procedures authorized pursuant to Rule 62-297.620, F.A.C. Where optional procedures are authorized in this chapter, indicate which option was used.
10. The number of points sampled and 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, 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. Data on the amount of pollutant collected from each sampling probe, the filters, and the impingers, are reported separately for the compliance test.
17. The names of individuals who furnished the process variable data, conducted the test, analyzed the samples and prepared the report.
18. All measured and calculated data required to be determined by each applicable test procedure for each run.
19. The detailed calculations for one run that relate the collected data to the calculated emission rate.
20. The applicable emission standard, and the resulting maximum allowable emission rate for the emissions unit, plus the test result in the same form and unit of measure.
21. A certification that, to the knowledge of the owner or his authorized agent, all data submitted are true and correct. When a compliance 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 his authorized agent shall certify that all data required and provided to the person conducting the test are true and correct to his knowledge.

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

**17. Excess Emissions.**

**17.1.** Excess emissions resulting from startup, shutdown or malfunction of any emissions unit 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 Department for longer duration.

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

**17.2.** 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.]

**17.3.** Considering operational variations in types of industrial equipment operations affected by this rule, the Department may adjust maximum and minimum factors to provide reasonable and practical regulatory controls consistent with the public interest.

[Rule 62-210.700(5), F.A.C.]

**17.4.** In case of excess emissions resulting from malfunctions, each owner or operator shall notify the Department or the appropriate Local Program in accordance with Rule 62-4.160, 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.]

**18.** On-Specification Used Oil – Boiler Nos. 1, 2, 3 and 5 are permitted to burn on-specification used oil.

[Permit amendments AO50-226997, AO50-226998, and AO50-226999 dated November 20, 1996 and permit amendment AO50-234931 dated January 19, 1994]

A. Used oil which fails to comply with any of the following specification levels is off-specification used oil as defined in 40 CFR 279, Subpart B:

Arsenic shall not exceed 5 ppm

Cadmium shall not exceed 2 ppm

Chromium shall not exceed 10 ppm

Lead shall not exceed 100 ppm

Total Halogens shall not exceed 4,000 ppm\*

Flash point shall not be less than 100° F

\*Note: Used oil containing more than 1,000 ppm total halogens is presumed to be a hazardous waste under the rebuttable presumption provided under 40 CFR 279.10(b)(1). Such oil shall not be burned unless U.S. Sugar demonstrates through the use of DEP approved analytical methods that the used oil does not constitute a hazardous waste.

B. At least one representative sample of used oil per crop season shall be analyzed for: heating value as generated (Btu/lb), sulfur, arsenic, cadmium, chromium, lead, total halogens, and flash point using DEP or ASTM approved methods.

C. Results of used oil sampling and analysis shall be retained for 5 years

D. On an annual basis, with the Annual Operation Report, U.S. Sugar shall submit reports on the monthly quantities of used oil burned and the results from sample analysis performed to

the Department's South District Office and to the Palm Beach County Public Health Unit.  
[Permit amendments AO50-226997, AO50-226998, and AO50-226999 dated November 20, 1996 and permit amendment AO50-234931 dated January 19, 1994]

19. For this facility, compliance with fuel oil sulfur limits may be determined based on a certification from the fuel supplier. Fuel supplier certification shall include the following information:

- (i) The name of the oil supplier; and
- (ii) A statement from the oil supplier listing the actual sulfur content of the oil and the place where the sample was collected.

[Rule 62-297.310(7)(c), F.A.C. and Construction Permit 0990061-007-AC/PSD-FL-009, dated June 4, 2003, Effective Date: DRAFT]

20. In order to document continuing compliance with **Specific Conditions No. A.2., A.6.1., A.6.2., A.6.4., B.2., B.6.1., B.6.2., B.6.4., C.2., C.6.1., C.6.2, C.6.4, D.2., D.6.1., D.6.2., D.6.3., and E.2.,** records of the percent sulfur content of all fuel oil burned and the quantities of fuel oil burned shall be kept. The basis of these records of sulfur content shall be either as-shipped analyses from the vendor, or in the case of on-site blending, analyses of a fuel sample from the fuel storage tank(s) each time a shipment of fuel is received. These records shall be kept for a period of 5 years and shall be available to the department upon request.

[Rules 62-4.070(3), F.A.C., Rule 62-213.440(l)(b), F.A.C.]

21. Appendix R-1, Applicable / Non-Applicable Rules has been added at the applicants request and is included for information purposes only. This appendix was supplied in total by Golder Associates and is included at the request of the applicant, U.S. Sugar Corporation. It does not attest to the endorsement of the list by the Department, nor provide a shield from any applicable requirement.

22. The term "average" used in this permit is not to be construed to mean "rolling average."

23. Cold Startup Conditions Unique to Bagasse Boilers - The Cold Startup Procedure is listed in Appendix SU-1.

24. Statement of Compliance. The annual statement of compliance pursuant to Rule 62-213.440(3)(a)2., F.A.C., shall be submitted to the Department and EPA within 60 (sixty) days after the end of the calendar year using DEP Form No. 62-213.900(7), F.A.C.

[Rules 62-213.440(3) and 62-213.900, F.A.C.]

{Permitting Note: This condition implements the requirements of Rules 62-213.440(3)(a)2. & 3., F.A.C. (see Condition 51. of APPENDIX TV-5, TITLE V CONDITIONS)}

25. Certification by Responsible Official (RO). In addition to the professional engineering certification required for applications by Rule 62-4.050(3), F.A.C., any application form, report, compliance statement, compliance plan and compliance schedule submitted pursuant to Chapter 62-213, F.A.C., shall contain a certification signed by a responsible official that, based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete. Any responsible official who fails to submit any required information or who has submitted incorrect information shall, upon becoming aware of such failure or incorrect submittal, promptly submit such supplementary information or correct information.

[Rule 62-213.420(4), F.A.C.]

### **Section III. Emissions Unit(s) and Conditions.**

#### **Subsection A. This section addresses the following emissions unit(s).**

##### **E.U.**

##### **ID No.      Brief Description**

-001      Boiler No. 1

Emission Unit No. 1 is a vibrating grate boiler fired with carbonaceous fuel (bagasse) and supplemented with No. 6 residual fuel oil. This unit may burn up to 500 cubic yards of soil contaminated with No. 2 and No. 6 oils and on-spec used oil during the season. The boiler may also burn on-spec used oil.

Particulate emissions are controlled by a Joy Turbulaire Impingement Scrubber, Size 125, Type D.

{Permitting note(s): This facility is regulated under Rules 62-296.570, F.A.C. (Reasonably Available Control Technology for NO<sub>x</sub> and VOC); 62-210.200, F.A.C. (Potential to Emit); and 62-213.440(1)(b), F.A.C. (Periodic Monitoring)}

#### **The following specific conditions apply to the emissions unit(s) listed above:**

##### **Essential Potential to Emit (PTE) Parameters**

**A.1.      Permitted Capacity.** This boiler does not have a maximum 24-hour average heat input limit. The maximum heat input rate of 385 million Btu/hour (24-hour average) is for information purposes only. [Rules 62-4.160(2) and 62-210.200(PTE), F.A.C.]

**A.2.      Methods of Operation** – This boiler is designed to operate while combusting carbonaceous fuel alone at a maximum heat input rate of 385 MMBtu/hr (maximum 24-hour average), No. 6 fuel oil alone at a maximum fuel oil heat input rate of 189 MMBtu/hr (maximum 24-hour average), or a combination of carbonaceous fuel and No. 6 fuel oil at a combined maximum heat input rate of 385 MMBtu/hr (maximum 24-hour average). This unit may burn up to 500 cubic yards of soil contaminated with No. 2 and No. 6 oils during the season. The boiler may also burn on-spec used oil. Effective 3/1/2003, the maximum allowable quantity of fuel oil fired on each calendar day shall be less than 80,000 gallons combined, for Boilers 1, 2, and 3. [Rule 62-213.410, F.A.C. and Construction Permit 0990061-007-AC/PSD-FL-009, dated June 4, 2003, Effective Date: March 1, 2003]

**A.3.      Hours of Operation.** The hours of operation for this emissions unit are not limited. [Rules 62-4.160(2) and 62-210.200(PTE), F.A.C.]

##### **Emission Limitations and Standards**

##### **A.4.      Carbonaceous or Fossil Fuel**

**A.4.1.** Nitrogen Oxide – NO<sub>x</sub> shall not exceed 0.45 pounds per million Btu of fuel heat input. [Rule 62-296.570 and Permit amendment AO50-226997, dated November 20, 1996]

**A.4.2.** Volatile Organic Compounds - VOC shall not exceed 1.5 pounds per million Btu of fuel heat input. [Rule 62-296.570 and Permit amendment AO50-226997, dated November 20, 1996]

**A.4.3.** Visible emissions - Visible emissions with a density of Number 1.5 on the Ringelmann Chart (30 percent opacity) except that a density of Ringelmann Number 2 (40 percent opacity) is permissible for not more than two minutes in any one hour.

[Rule 62-296.410(1)(b)1., F.A.C.]

**A.5. Carbonaceous Fuel**

**A.5.1.** Particulate Matter - PM shall not exceed 0.3 pounds per million Btu of heat input of carbonaceous fuel plus 0.1 pounds per million Btu heat input of fossil fuel. When burning a mixture of carbonaceous and fossil fuel, PM shall be calculated on a heat-input fraction from the specific fuels.

[Rules 62-296.410(1)(b)2, F.A.C.]

**A.6. Fossil Fuel**

**A.6.1.** Proper oil flow meters shall be installed and maintained to monitor the fuel oil usage to the boiler. Fuel oil meter readings on this boiler shall be read and logged at least once every eight hours, unless fuel oil consumption is recorded continuously. Each meter shall be calibrated annually by a method approved by the Department. These records shall be kept for a period of five years for Department inspection.

[Rules 62-213.440(1)(b)1.b. F.A.C.]

**A.6.2.** Effective 3/1/2003, all residual fuel oil purchased and placed in the common fuel oil storage tank for firing in Boilers 1, 2, and 3 shall contain a maximum sulfur content of no greater than 0.7% by weight.

[Rule 62-213.440(1)(b)1.b, F.A.C. and Construction Permit 0990061-007-AC/PSD-FL-009, dated June 4, 2003, Effective Date: March 1, 2003]

**A.6.3.** Contaminated Soil – Boiler No. 1 is permitted to burn up to 500 cubic yards per season of soil contaminated with No. 2 and No. 6 fuel oils, and on-spec used oil, while burning bagasse. The feed rate shall be no greater than 10 percent of the wet bagasse feed rate.

[Amendment to permits AO50-191891, AO50-226997, and AC50-2041A, dated January 2, 1975]

**A.6.4.** Particulate Matter - Particulate matter limit is 0.1 pounds per million Btu heat input of fossil fuel. (see **Specific Condition A.5.1.**)

[Rule 62-296.410(1)(b)2., F.A.C.]

**Test Methods and Procedures**

**A.7.** Each federal fiscal year, this boiler shall be tested for PM, NO<sub>x</sub>, VOC and VE.

**A.7.1.** All visible emissions tests performed pursuant to the requirements of this permit shall comply with the following provisions:

- a. The test method for visible emissions shall be DEP Method 9, incorporated and adopted by reference in Chapter 62-297, F.A.C.
- b. Test procedures shall meet all applicable requirements of Chapter 62-297, F.A.C.
- c. The required minimum period of observation for an EPA Reference Method 9 compliance 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, i.e., at between 90 and 100 percent of nominal capacity.



- d. Alternate Method of Demonstrating Compliance: The Department recognizes the existing difficulties with scheduling and performing the required annual test for visible emissions from the boiler due to the presence of water vapor and the plume combining with plumes from adjacent boilers. Therefore, the following alternate method may also be used to demonstrate compliance with the opacity standard.

In accordance with the manufacturer's recommendations, the permittee shall install, calibrate, maintain, and operate a manometer (or equivalent equipment) to measure the scrubber pressure drop (inches of water column). At least once per shift, the operator shall observe the pressure drop and record it along with the date, time, and observer. The scrubber pressure drop shall be maintained between 8 and 12 inches of water column. If the scrubber pressure drop falls outside the target operating range, the permittee shall investigate the cause and take corrective action to regain operation within the target operating range. Operation outside of the target operating range is not a violation of this permit, in and of itself. However, continued operation outside of the target operating range without corrective action may be considered circumvention of the air pollution control equipment.

If unable to perform the annual visible emissions test due to combined plumes, the permittee shall record the scrubber pressure drop during the test for particulate matter at 15-minute intervals. The test report shall note the attempt to perform the annual visible emissions test and provide the scrubber pressure drops recorded during each test run.

[Rules 62-297.310(4) (a) 2., 62-297.310(7)(a)4, and 62-296.320(4)(b)4.a., F.A.C., and Applicant's Request dated April 27, 2004, Effective Date: Draft]

**A.7.2.** Compliance test for particulate matter emissions shall be determined using EPA Reference Methods 1, 2, 3, 4, and 5, described in 40 CFR 60, Appendix A. Emissions units incorporating a scrubber for control of particulate matter shall use an acetone wash.

[Rule 62-297.401(1 through 5), F.A.C.]

**A.7.3.** Compliance test for nitrogen oxide emissions shall be determined using EPA Reference Method 7, or 7E, described in 40 CFR 60, Appendix A.

[Amended AO50-226998/RACT dated November 20, 1996, Rule 62-297.401(7), F.A.C., and Rule 62-296.570, F.A.C.]

**A.7.4.** Compliance test for volatile organic compounds emissions shall be determined using EPA Reference Methods 25, or 25A, modified to incorporate a dilution system as approved by the Department under the provisions of Rule 62-297.620, F.A.C. If EPA Method 25A is employed, EPA Reference

Method 18 may be used to quantify and subtract the methane fraction in the exhaust gases. Methods 25, 25A and 18 are described in 40 CFR 60, Appendix A.

[Amended AO50-226998/RACT dated November 20, 1996, Rule 62-297.401(7), F.A.C., and Rule 62-296.570, F.A.C.]

**A.7.5.** During compliance testing, a record shall be kept of the steam flow from the boiler to determine the heat input for the purpose of compliance with the emission limits in **Specific Conditions A.4.1., A.4.2., A.5.1., and A.6.5.** Compliance with all emission limits in lb/MMBtu shall be calculated assuming a 55 percent thermal efficiency for Boiler No.1.

[Rule 62-213.440(1)(b), F.A.C.]

#### **Reasonable Assurances**

**A.8. Not federally enforceable.** The scrubber control system shall be equipped with instrumentation to monitor total pressure drop and inlet water pressure. Such instrumentation shall be properly maintained so as to be functional at all times. Readings shall be logged every 8 hours while the boiler is in operation.

[Rule 62-213.440(1)(b), F.A.C.]

#### **Record Keeping and Reporting Requirements**

**A.9.1.** A record shall be kept of the steam flow from the boiler to determine the heat input for the purpose of computing annual emissions of regulated pollutant limits in **Specific Conditions A.4.1., A.4.2., A.5.1., and A.6.5.** The compliance data shall be calculated assuming a thermal efficiency of 55 percent for the boiler.

[Rule 62-213.440(1)(b), F.A.C. (Periodic Monitoring)]

**A.9.2. Not federally enforceable.** In order to document continuing compliance with **Specific Condition No. A.8.**, records shall be kept of the total pressure drop, and inlet water pressure of the scrubber system. These records shall be kept for 5 years for the Department's inspection.

[Rule 62-213.440(1)(b), F.A.C.]

### **Section III. Emissions Unit(s) and Conditions.**

#### **Subsection B. This section addresses the following emissions unit(s).**

##### **E.U.**

##### **ID No.      Brief Description**

-002      Boiler No. 2

Emission Unit No. 2 is a vibrating grate boiler fired with carbonaceous fuel (bagasse) and supplemented with No. 6 residual fuel oil. This unit may burn up to 500 cubic yards of soil contaminated with No. 2 and No. 6 oils and on-spec used oil during the season. The boiler may also burn on-spec used oil.

Particulate emissions are controlled by two Joy Turbulaire Impingement Scrubbers, Size 40, Type D.

{Permitting note(s): This facility is regulated under Rule 62-296.570, F.A.C. (Reasonably Available Control Technology for VOC and NO<sub>x</sub>,,); Rule 62-210.200, F.A.C, Potential to Emit; and Rule 62-213.440(l)(b), F.A.C., Periodic Monitoring}

#### **The following specific conditions apply to the emissions unit(s) listed above:**

##### **Essential Potential to Emit (PTE) Parameters**

**B.1.      Capacity** this boiler does not have a maximum 24-hour average heat input limit. The maximum heat input rate of 385 million Btu/hour (24-hour average) is for information purposes only.  
[Rules 62-4.160(2) and 62-210.200(PTE), F.A.C.]

**B.2.      Methods of Operation** - This boiler is designed to operate while combusting carbonaceous fuel alone at a maximum heat input rate of 385 MMBtu/hr (maximum 24-hour average), No. 6 fuel oil alone at a maximum fuel oil heat input rate of 189 MMBtu/hr (maximum 24-hour average), or a combination of carbonaceous fuel and No. 6 fuel oil at a combined maximum heat input rate of 385 MMBtu/hr (maximum 24-hour average). This unit may burn up to 500 cubic yards of soil contaminated with No. 2 and No. 6 oils and on-spec used oil during the season. The boiler may also burn on-spec used oil. The boiler may also burn on-spec used oil. Effective 3/1/2003, the maximum allowable quantity of fuel oil fired on each calendar day shall be less than 80,000 gallons combined, for Boilers 1, 2, and 3.  
[Rule 62-213.410, F.A.C. and Construction Permit 0990061-007-AC/PSD-FL-009, dated June 4, 2003, Effective Date: DRAFT]

**B.3.      Hours of Operation**. The hours of operation for this emissions unit are not limited.  
[Rules 62-4.160(2) and 62-210.200(PTE), F.A.C.]

##### **Emission Limitations and Standards**

##### **B.4.      Carbonaceous Or Fossil Fuel**

**B.4.1.** Nitrogen Oxide - NO<sub>x</sub> shall not exceed 0.45 pounds per million Btu of heat input of fuel.  
[Rule 62-296.570 and Permit amendment A050-226998, dated November 20, 1996]

**B.4.2.** Volatile Organic Compounds -VOC shall not exceed 1.5 pounds per million Btu of heat input of fuel.  
[Rule 62-296.570 and Permit amendment A050-226998, dated November 20, 1996]

**B.4.3.** Visible emissions - Visible emissions with a density of Number 1.5 on the Ringelmann Chart (30 percent opacity) except that a density of Ringelmann Number 2 (40 percent opacity) is permissible for not more than two minutes in any one hour.

[Rule 62-296.410(l)(b)1., F.A.C.]

**B.5. Carbonaceous Fuel**

**B.5.1.** Particulate Matter - PM shall not exceed 0.3 pounds per million Btu of heat input of carbonaceous fuel plus 0.1 pounds per million Btu heat input of fossil fuel. When burning a mixture of carbonaceous and fossil fuel, PM shall be calculated on a heat input fraction from the specific fuels.

[Rules 62-296.410(l)(b)2, F.A.C.]

**B.6. Fossil Fuel**

**B.6.1.** Proper oil flow meters shall be installed and maintained to monitor the fuel oil usage to the boiler. Fuel oil meter readings on this boiler shall be read and logged at least once every eight hours, unless fuel oil consumption is recorded continuously. Each meter shall be calibrated annually by a method approved by the Department. These records shall be kept for a period of five years for Department inspection.

[Rules 62-213.440(l)(b)1.b., F.A.C.]

**B.6.2.** Effective 3/1/2003, all residual fuel oil purchased and placed in the common fuel oil storage tank for firing in Boilers 1, 2, and 3 shall contain a maximum sulfur content of no greater than 0.7% by weight.

[Rule 62-213.440(1)(b)1.b., F.A.C. and Construction Permit 0990061-007-AC/PSD-FL-009, dated June 4, 2003, Effective Date: March 1, 2003]

**B.6.3.** Contaminated Soil - Boiler No. 2 is permitted to burn up to 500 cubic yards per season of soil contaminated with No. 2 and No. 6 fuel oils, and on-spec used oil while burning bagasse. The feed rate shall be no greater than 10 percent of the wet bagasse feed rate.

[Amendment to permits A050-226998 and AC50-2042A, dated July 22, 1991]

**B.6.4.** Particulate Matter - Particulate matter limit is 0.1 pounds per million Btu heat input of fossil fuel. (see **Specific Condition B.5.1.**)

[Rule 62-296.410(l)(b)2., F.A.C.]

**Test Methods and Procedures**

**B.7.** Each federal fiscal year, this boiler shall be tested for PM, NO<sub>x</sub>, VOC and VE.

**B.7.1.** All visible emissions tests performed pursuant to the requirements of this permit shall comply with the following provisions:

- a. The test method for visible emissions shall be DEP Method 9, incorporated and adopted by reference in Chapter 62-297, F.A.C.
- b. Test procedures shall meet all applicable requirements of Chapter 62-297, F.A.C.
- c. The required minimum period of observation for an EPA Reference Method 9 compliance 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, i.e., at between 90 and 100 percent of nominal capacity.

- d. Alternate Method of Demonstrating Compliance: The Department recognizes the existing difficulties with scheduling and performing the required annual test for visible emissions from the boiler due to the presence of water vapor and the plume combining with plumes from adjacent boilers. Therefore, the following alternate method may also be used to demonstrate compliance with the opacity standard.

In accordance with the manufacturer's recommendations, the permittee shall install, calibrate, maintain, and operate a manometer (or equivalent equipment) to measure the scrubber pressure drop (inches of water column). At least once per shift, the operator shall observe the pressure drop and record it along with the date, time, and observer. The scrubber pressure drop shall be maintained between 8 and 12 inches of water column. If the scrubber pressure drop falls outside the target operating range, the permittee shall investigate the cause and take corrective action to regain operation within the target operating range. Operation outside of the target operating range is not a violation of this permit, in and of itself. However, continued operation outside of the target operating range without corrective action may be considered circumvention of the air pollution control equipment.

If unable to perform the annual visible emissions test due to combined plumes, the permittee shall record the scrubber pressure drop during the test for particulate matter at 15-minute intervals. The test report shall note the attempt to perform the annual visible emissions test and provide the scrubber pressure drops recorded during each test run.

[Rules 62-297.310(4)(a)2., 62-297.310(7)(a)4, and 62-296.320(4)(b)4.a., F.A.C., and Applicant's Request dated April 27, 2004, Effective Date: Draft]

**B.7.2.** Compliance test for particulate matter emissions shall be determined using EPA Reference Methods 1, 2, 3, 4, and 5, described in 40 CFR 60, Appendix A. Emissions units incorporating a scrubber for control of particulate matter shall use an acetone wash.

[Rule 62-297.401(l through 5), F.A.C.]

**B.7.3.** Compliance test for nitrogen oxide emissions shall be determined using EPA Reference Method 7, or 7E, described in 40 CFR 60, Appendix A.

[amended A050-226998/RACT dated November 20, 1996, Rule 62-297.401(7), F.A.C., and Rule 62-296.570, F.A.C.]

**B.7.4.** Compliance test for volatile organic compounds emissions shall be determined using EPA Reference Methods 25, or 25A, modified to incorporate a dilution system as approved by the Department under the provisions of Rule 62-297.620, F.A.C. If EPA Method 25A is employed, EPA Reference Method 18 may be used to quantify and subtract the methane fraction in the exhaust gases. Methods 25, 25A and 18 are described in 40 CFR 60, Appendix A.  
[amended A050-226998/RACT dated November 20, 1996, Rule 62-297.401(7), F. A. C., and Rule 62-296.570, F. A. C. ]

**B.7.5.** During compliance testing, a record shall be kept of the steam flow from the boiler to determine the heat input for the purpose of compliance with the emission limits in **Specific Conditions B.4.1., B.4.2., B.5.1., and B.6.5.** The compliance with all emission limits in lb/MMBtu shall be calculated assuming a thermal efficiency of 55 percent for the boiler.  
[Rule 62-213.440(1)(b), F.A.C.]

#### **Reasonable Assurances**

**B.8. Not federally enforceable.** The scrubber control system shall be equipped with instrumentation to monitor total pressure drop and inlet water pressure. Such instrumentation shall be properly maintained so as to be functional at all times. Readings shall be logged every 8 hours while the boiler is in operation.  
[Rule 62-213.440(1)(b), F.A.C.]

#### **Record Keeping and Reporting Requirements**

**B.9.1.** A record shall be kept of the steam flow from the boiler to determine the heat input for the purpose of computing annual emissions of regulated pollutant limits in **Specific Conditions B.4.1., B.4.2., B.5.1., and B.6.5.** The data shall be calculated assuming a thermal efficiency of 55 percent for the boiler.  
[Rule 62-213.440(1)(b), F.A.C. (Periodic Monitoring)]

**B.9.2. Not federally enforceable.** In order to document continuing compliance with **Specific Condition No. B. 8.**, records shall be kept of the total pressure drop, and inlet water pressure of the scrubber system. These records shall be kept for 5 years for the Department's inspection.  
[Rule 62-213.440(1)(b), F.A.C.]

### **Section III. Emissions Unit(s) and Conditions.**

#### **Subsection C. This section addresses the following emissions unit(s).**

##### **E.U. ID**

##### **No.      Brief Description**

-003      Boiler No. 3

Emission Unit No. 3 is a vibrating grate boiler fired with carbonaceous fuel (bagasse) and supplemented with No. 6 residual fuel oil. This unit may burn up to 500 cubic yards of soil contaminated with No. 2 and No. 6 oils and on-spec used oil during the season.

Particulate emissions are controlled by a Joy Turbulaire Impingement Scrubber, Size 125, Type D.

{Permitting note(s): This facility is regulated under Rule 62-296.570, F.A.C. (Reasonably Available Control Technology for VOC and NO<sub>x</sub>),; Rule 62-210.200, F.A.C, Potential to Emit; and Rule 62-213.440(l)(b), F.A.C., Periodic Monitoring}

#### **The following specific conditions apply to the emissions unit(s) listed above:**

##### **Essential Potential to Emit (PTE) Parameters**

**C.1.    Permitted Capacity.** This boiler does not have a maximum 24-hour average heat input limit. The maximum heat input rate of 385 million Btu/hour (24-hour average) is for information purposes only. [Rules 62-4.160(2) and 62-210.200(PTE), F.A.C.]

**C.2.    Methods of Operation** – This boiler is designed to operate while combusting carbonaceous fuel alone at a maximum heat input rate of 385 MMBtu/hr (maximum 24-hour average), No. 6 fuel oil alone at a maximum fuel oil heat input rate of 189 MMBtu/hr (maximum 24-hour average), or a combination of carbonaceous fuel and No. 6 fuel oil at a combined maximum heat input rate of 385 MMBtu/hr (maximum 24-hour average). This unit may burn up to 500 cubic yards of soil contaminated with No. 2 and No. 6 oils and on-spec used oil during the season. The boiler may also burn on-spec used oil. Effective 3/1/2003, the maximum allowable quantity of fuel oil fired on each calendar day shall be less than 80,000 gallons combined, for Boilers 1, 2, and 3. [Rule 62-213.410, F.A.C., and Construction Permit 0990061-007-AC/PSD-FL-009, dated June 4, 2003, Effective Date: March 1, 2003]

**C.3.    Hours of Operation.** The hours of operation for this emissions unit are not limited. [Rules 62-4.160(2) and 62-210.200(PTE), F.A.C.]

##### **Emission Limitations and Standards**

##### **C.4.    Carbonaceous Or Fossil Fuel**

**C.4.1.** Nitrogen Oxide - NO<sub>x</sub> shall not exceed 0.45 pounds per million Btu of heat input of fuel. [Rule 62-296.570 and Permit amendment A050-226999, dated November 20, 1996]

**C.4.2.** Volatile Organic Compounds -VOC shall not exceed 1.5 pounds per million Btu of heat input of fuel. [Rule 62-296.570 and Permit amendment A050-226999, dated November 20, 1996]

**C.4.3.** Visible emissions - Visible emissions with a density of Number 1.5 on the Ringelmann Chart (30 percent opacity) except that a density of Ringelmann Number 2 (40 percent opacity) is permissible for not more than two minutes in any one hour.

[Rule 62-296.410(1)(b)1., F.A.C.]

**C.5. Carbonaceous Fuel**

**C.5.1.** Particulate Matter - PM shall not exceed 0.3 pounds per million Btu of heat input of carbonaceous fuel plus 0.1 pounds per million Btu heat input of fossil fuel. When burning a mixture of carbonaceous and fossil fuel, PM shall be calculated on a heat input fraction from the specific fuels.

[Rules 62-296.410(1)(b)2, F.A.C.]

**C.6. Fossil Fuel**

**C.6.1.** Proper oil flow meters shall be installed and maintained to monitor the fuel oil usage to the boiler. Fuel oil meter readings on this boiler shall be read and logged at least once every eight hours, unless fuel oil consumption is recorded continuously. Each meter shall be calibrated annually by a method approved by the Department. These records shall be kept for a period of five years for Department inspection.

[Rules 62-213.440(1)(b)1.b., F.A.C.]

**C.6.2.** Effective 3/1/2003, all residual fuel oil purchased and placed in the common fuel oil storage tank for firing in Boilers 1, 2, and 3 shall contain a maximum sulfur content of no greater than 0.7% by weight.

[Rule 62-213.440(1)(b)1.b, F.A.C. and Construction Permit 0990061-007-AC/PSD-FL-009, dated June 4, 2003, Effective Date: March 1, 2003]

**C.6.3.** Contaminated Soil – Boiler No. 3 is permitted to burn up to 500 cubic yards per season of soil contaminated with No. 2 and No. 6 fuel oils, and on-spec used oil while burning bagasse. The feed rate shall be no greater than 10 percent of the wet bagasse feed rate.

[Amendment to permits AO50-226999 and AC50-2043A, dated July 22, 1991]

**C.6.4.** Particulate Matter - Particulate matter limit is 0.1 pounds per million Btu heat input of fossil fuel. (see **Specific Condition C.5.1.**)

[Rule 62-296.410(1)(b)2., F.A.C.]

**Test Methods and Procedures**

**C.7.** Each federal fiscal year, this boiler shall be tested for PM, NO<sub>x</sub>, VOC and VE.

**C.7.1.** All visible emissions tests performed pursuant to the requirements of this permit shall comply with the following provisions:

- a. The test method for visible emissions shall be DEP Method 9, incorporated and adopted by reference in Chapter 62-297, F.A.C.
- b. Test procedures shall meet all applicable requirements of Chapter 62-297, F.A.C.
- c. The required minimum period of observation for an EPA Reference Method 9 compliance 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, i.e., at between 90 and 100 percent of nominal capacity.



- d. Alternate Method of Demonstrating Compliance: The Department recognizes the existing difficulties with scheduling and performing the required annual test for visible emissions from the boiler due to the presence of water vapor and the plume combining with plumes from adjacent boilers. Therefore, the following alternate method may also be used to demonstrate compliance with the opacity standard.

In accordance with the manufacturer's recommendations, the permittee shall install, calibrate, maintain, and operate a manometer (or equivalent equipment) to measure the scrubber pressure drop (inches of water column). At least once per shift, the operator shall observe the pressure drop and record it along with the date, time, and observer. The scrubber pressure drop shall be maintained between 8 and 12 inches of water column. If the scrubber pressure drop falls outside the target operating range, the permittee shall investigate the cause and take corrective action to regain operation within the target operating range. Operation outside of the target operating range is not a violation of this permit, in and of itself. However, continued operation outside of the target operating range without corrective action may be considered circumvention of the air pollution control equipment.

If unable to perform the annual visible emissions test due to combined plumes, the permittee shall record the scrubber pressure drop during the test for particulate matter at 15-minute intervals. The test report shall note the attempt to perform the annual visible emissions test and provide the scrubber pressure drops recorded during each test run.

[Rules 62-297.310(4)(a)2., 62-297.310(7)(a)4, and 62-296.320(4)(b)4.a., F.A.C., and Applicant's Request dated April 27, 2004, Effective Date: Draft]

**C.7.2.** Compliance test for particulate matter emissions shall be determined using EPA Reference Methods 1, 2, 3, 4, and 5, described in 40 CFR 60, Appendix A. Emissions units incorporating a scrubber for control of particulate matter shall use an acetone wash.

[Rule 62-297.401(1 through 5), F.A.C.]

**C.7.3.** Compliance test for nitrogen oxide emissions shall be determined using EPA Reference Method 7, or 7E, described in 40 CFR 60, Appendix A.

[amended A050-226998/RACT dated November 20, 1996, Rule 62-297.401(7), F.A.C., and Rule 62-296.570, F.A.C.]

**C.7.4.** Compliance test for volatile organic compounds emissions shall be determined using EPA Reference Methods 25, or 25A, modified to incorporate a dilution system as approved by the Department under the provisions of Rule 62-297.620, F.A.C. If EPA Method 25A is employed, EPA Reference

Method 18 may be used to quantify and subtract the methane fraction in the exhaust gases. Methods 25, 25A, and 18 are described in 40 CFR 60, Appendix A.

[amended A050-226998/RACT dated November 20, 1996, Rule 62-297.401(7), F. A. C., and Rule 62-296.5 70, F. A. C. ]

**C.7.5.** During compliance testing, a record shall be kept of the steam flow from the boiler to determine the heat input for the purpose of compliance with the emission limits in **Specific Conditions C.4.1., C.4.2., C.5.1., and C.6.5.** Compliance with all emission limits in lb/MMBtu shall be calculated assuming a 55 percent thermal efficiency for Boiler No.3.

[Rule 62-213.440(1)(b), F.A.C.]

#### **Reasonable Assurances**

**C.8. Not federally enforceable.** The scrubber control system shall be equipped with instrumentation to monitor total pressure drop and inlet water pressure. Such instrumentation shall be properly maintained so as to be functional at all times. Readings shall be logged every 8 hours while the boiler is in operation.

[Rule 62-213.440(1)(b), F.A.C.]

#### **Record Keeping and Reporting Requirements**

**C.9.1.** A record shall be kept of the steam flow from the boiler to determine the heat input for the purpose of computing annual emissions of regulated pollutants limits in **Specific Conditions C.4. 1., C.4.2., C.5.1., and C.6.5.** The compliance data shall be calculated assuming a thermal efficiency of 55 percent for the boiler.

**C.9.2. Not federally enforceable.** In order to document continuing compliance with **Specific Condition No. C. 8.**, records shall be kept of the total pressure drop, and inlet water pressure of the scrubber system. These records shall be kept for 5 years for the Department's inspection.

[Rule 62-213.440(1)(b), F.A.C.]

### **Section III. Emissions Unit(s) and Conditions.**

#### **Subsection D. This section addresses the following emissions unit(s).**

##### **E.U.**

##### **ID No.      Brief Description**

-005      Boiler No. 5

Emission Unit No. 5 is a vibrating grate boiler fired with carbonaceous fuel (bagasse) and supplemented with No. 6 residual fuel oil. This unit may burn up to 500 cubic yards of soil contaminated with No. 2 and No. 6 oils and on-spec used oil during the season. This boiler may also burn on-spec used oil.

Particulate emissions are controlled by two Joy Turbulaire Impingement Scrubbers, Size 100, Type D.

{Permitting note(s): This facility is regulated under Rule 62-212.400(5), F.A.C., Prevention of Significant Deterioration (PSD), ; Rule 62-210.200, F.A.C, Potential to Emit; and Rule 62-213.440(l)(b), F.A.C., Periodic Monitoring}

#### **The following specific conditions apply to the emissions unit(s) listed above:**

##### **Essential Potential to Emit (PTE) Parameters**

##### **D.1. Permitted Capacity.**

Steam production, heat input, and bagasse firing shall not exceed the following limits.

Averaging Period	Steam Pressure <sup>a</sup>	Steam Temperature <sup>a</sup>	Steam Production (lb / hour)	Heat Input <sup>b</sup> (MMBtu / hour)	Wet Bagasse Firing <sup>b</sup> (tons / hour)
1-hour	850 psig	900° F	323,189	671	93
24-hour	850 psig	900° F	280,804	583	81
1-hour	400 psig	750° F	342,384	671	93
24-hour	400 psig	750° F	297,482	583	81

<sup>a</sup> Steam temperature and pressure are design parameters. Changes to these parameters resulting from boiler aging or modification shall be reported to the Department and may require a permit modification.

<sup>b</sup> Based on: 55% thermal efficiency of the boiler when firing bagasse; wet bagasse containing 55% moisture and a heat content of 3600 Btu/lb; and 1160 Btu per pound (net) of steam at 600 psig and 750° F with standard feed water conditions of 900 psig and 250° F.

Steam production shall not exceed 990,676,512 pounds per year of 850 psig, 900° F steam, nor 1,049,514,873 pounds per year of 400 psig, 750° F steam. If steam in both temperature/pressure classes is produced during a year, then the allowable steam production in pounds per year is the weighted average of the limits for each class of steam production. Compliance with the steam limits shall be determined by continuous monitoring of the steam temperature, steam pressure, and steam production rate. The heat input and bagasse consumption limits shall be calculated and recorded in accordance with the record keeping requirements of this permit.

[Rules 62-4.160(2) and 62-210.200(PTE), F.A.C.]

**D.2. Methods of Operation.** This boiler is designed to operate while combusting carbonaceous fuel alone at a maximum heat input rate of 671 MMBtu/hr (maximum 1-hour average) and 583 MMBtu/hr (maximum 24-hour average), No. 6 fuel oil alone at a maximum fuel oil heat input rate of 215.6 MMBtu/hr (maximum 24-hour average), or a combination of carbonaceous fuel and No. 6 fuel oil at a combined maximum heat input rate of 671 MMBtu/hr (maximum 1-hour average) and 583 MMBtu/hr (maximum 24-hour average). On spec used oil may also be burned in this boiler.  
[Rule 62-213.410, F.A.C.]

**D.3. Hours of Operation.** The hours of operation for this emissions unit shall not exceed 4752 hours/year. This boiler shall only be operated during the period of October 1 through June 14 in any calendar year.  
[Rules 62-4.160(2), 62-210.200(PTE), F.A.C., Construction Permit AC50-137573/ PSD-FL-0009, dated May 2, 1988, Permit Modification AO50-234931, dated March 27, 1998 and permit modification 0990061-002-AC dated October 1, 1999 ]

### **Emission Limitations and Standards**

#### **D.4. Carbonaceous or Fossil Fuel**

**D.4.1. Not federally enforceable.** Nitrogen Oxide – NO<sub>x</sub> shall not exceed 161.7 pounds per hour (24-hour average).

[Rule 62-296.570, Rule 62-212.400, F.A.C., and Construction Permit AC50-137573/ PSD-FL-0009 dated May 2, 1988, letter from Robert F. Van Voorhees, dated December 17, 1993.

**D.4.2. Visible emissions -** Visible emissions with a density of Number 1 on the Ringelmann Chart ( 20 percent opacity) except that a density of Ringelmann Number 2 (40 percent opacity) is permissible for not more than two minutes in any one hour.

[Rule 62-296.410(2)(b)1., F.A.C. and Permit No. AC50-137573]

**D.4.3. Volatile Organic Compounds -VOC** shall not exceed 1.5 pounds per million Btu of heat input of fuel.

[Rule 62-296.570 and Applicant's Request dated May 24, 2004, Effective Date: Draft]

#### **D.5. Carbonaceous Fuel**

**D.5.1. Particulate Matter - PM** shall not exceed 0.15 pounds per million Btu of heat input of carbonaceous fuel plus 0.1 pounds per million Btu heat input of fossil fuel, nor 87.5 lb/hr (24-hour average; compliance with the 24-hour average will be determined based upon the normal testing period for EPA Method 5, 40 CFR 60, Appendix A). When burning a mixture of carbonaceous and fossil fuel, PM shall be calculated on a heat input fraction from the specific fuels.

[Construction Permit AC50-137573/ PSD-FL-0009 dated May 2, 1988 and Rule 62-212.400(5), F.A.C., Prevention of Significant Deterioration (PSD)]

#### **D.6. Fossil Fuel**

**D.6.1. Proper oil flow meters** shall be installed and maintained to monitor the fuel oil usage to the boiler. Fuel oil meter readings on this boiler shall be read and logged at least once every eight hours, unless fuel oil consumption is recorded continuously. Each meter shall be calibrated annually by a method approved by the Department. These records shall be kept for a period of five years for Department inspection.

[Rules 62-213.440(1)(b)1.b., F.A.C.]

**D.6.2.** Boiler No. 5 is permitted to burn No. 6 (residual) fuel oil. Heat input from No. 6 oil shall not exceed 215.6 MMBtu/hr (approximately 1,467 GPH), and 400,000 gallons per season. Blended fuel oil from the common system may be burned in this boiler. Any fuel oil burned in Boiler No. 5 shall be replaced, during the season it is burned, with an equal amount of fuel oil having a sulfur content equal to or less than 0.7 weight percent.

[Rule 62-213.440(1)(b)1.b, F.A.C., Rule 62-212.400(5), F.A.C., and Construction Permit AC50-137573/ PSD-FL-0009 dated May 2, 1988]

**D.6.3.** Particulate Matter - Particulate matter limit is 0.1 pounds per million Btu heat input of fossil fuel. (see **Specific Condition D.5.1.**)

[Rule 62-296.410(2)(b)2., F.A.C.]

### **Test Methods and Procedures**

**D.7.1.** Each federal fiscal year, this boiler shall be tested for PM, NO<sub>x</sub> and VE. Thermal efficiency test, using the ASME short-form procedure, shall be performed prior to renewing the operation permit (every 5 years). A current copy of the test report must be included with the application for renewal of the operation permit. Compliance with all emission limits in lb/MMBtu shall be calculated assuming a 55 percent thermal efficiency for Boiler No.5.

[Rule 62-213.440(1)(b), F.A.C., and Construction Permit AC50-137573/ PSD-FL-0009 dated May 2, 1988]

**D.7.2.** All visible emissions tests performed pursuant to the requirements of this permit shall comply with the following provisions:

a. The test method for visible emissions shall be EPA Reference Method 9, incorporated and adopted by reference in Chapter 62-297, F.A.C.

b. Test procedures shall meet all applicable requirements of Chapter 62-297, F.A.C.

[Rule 62-296.320(4)(b)4.a., F.A.C.]

c. The required minimum period of observation for an EPA Reference Method 9 compliance 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, i.e. at between 90 and 100 percent of maximum capacity.

[Rule 62-297.310(4) (a) 2., F.A.C.]

**D.7.3.** Compliance test for particulate matter emissions shall be determined using EPA Reference Methods 1, 2, 3, 4, and 5, described in 40 CFR 60, Appendix A. Emissions units incorporating a scrubber for control of particulate matter shall use an acetone wash.

[Rule 62-297.401(1 through 5), F.A.C.]

**D.7.4.** Compliance test for nitrogen oxide emissions shall be determined using EPA Reference Method 7, or 7E, described in 40 CFR 60, Appendix A.

[Construction Permit AC50-137573/ PSD-FL-0009 dated May 2, 1988, Rule 62-297.401(7), F.A.C., and Rule 62-296.570, F.A.C.]

#### **Reasonable Assurances**

**D.8.1** The scrubber control system shall be equipped with instrumentation to monitor gas pressure drop, scrubber water supply pressure, and scrubber water supply flow rate. Such instrumentation shall be properly maintained so as to be functional at all times (except during instrument repair, breakdown, or malfunction). In order to comply with **Specific Conditions D.8.2., D.8.3., and D.8.4.** readings shall be logged once per shift (every 8 hours) while the boiler is in operation.

Rule 62-213.440(1)(b), F.A.C., and Construction Permit AC50-137573/ PSD-FL-0009 dated May 2, 1988]

**D.8.2. Not federally enforceable.** The scrubber shall be operated at an 8-hour average gas pressure drop that is at least 90 percent of the average pressure drop existing during the last particulate compliance test.

[Rules 62-213.400(1)(b), F.A.C. and AO50-234931]

**D.8.3. Not federally enforceable.** The scrubber shall be operated at an 8 hour average scrubber water supply pressure that is at least 90 percent of the average scrubber water supply pressure existing during the last particulate compliance test.

[Rules 62-213.400(1)(b), F.A.C. and AO50-234931]

**D.8.4. Not federally enforceable.** The scrubber shall be operated at an 8 hour average scrubber water supply flow rate that is at least 90 percent of the average scrubber water supply flow rate existing during the last particulate compliance test.

[Rules 62-213.400(1)(b), F.A.C. and AO50-234931]

#### **Record Keeping and Reporting Requirements**

**D.9.1.** In order to document continuing compliance with **Specific Conditions No. D.1., D.2., and D.3.,** records shall be kept of the steam flow (pounds of steam and pressure) from the boiler. These values shall also be used to determine the heat input for the purpose of computing annual emissions of regulated pollutants listed in **Specific Conditions D.4.1., D.4.2., D.5.1., and D.6.3.** The compliance data shall be calculated assuming a thermal efficiency of 55 percent for the boiler.

[Construction Permit AC50-137573/ PSD-FL-0009 dated May 2, 1988]

**D.9.2.** In order to document continuing compliance with **Specific Condition No. D. 8.,** records shall be kept of the gas pressure drop, scrubber water supply pressure, and scrubber water supply flow rate. These records shall be kept for 5 years for the Department's inspection.

[Rule 62-213.440(1)(b), F.A.C., and Construction Permit AC50-137573/ PSD-FL-0009 dated May 2, 1988]

### **Section III. Emission Unit(s) and Conditions**

#### **Subsection E. This section addresses the following emissions units.**

##### **E.U.**

<b><u>ID No.</u></b>	<b><u>Brief Description</u></b>
007	Diesel generating units No. 1
008	Diesel generating units No. 2

The facility has two (2) 1,000 kW diesel electric generator sets. Unit 1 has a 2-cycle, 1,440 bhp engine, Model No. 16-567-B, and Unit 2 has a 1,525 bhp engine, Model No. 16-567-C, manufactured by the Cleveland Diesel Engine Division of General Motors Corporation and were installed in 1985. These units are typically used during the sugar off-season..

{Permitting note(s): These emission units are regulated under 62-296.570(4)(b)7, F.A.C. Reasonably Available Control Technology (RACT)}

#### **The following specific conditions apply to the emissions unit listed above:**

##### **Operational Parameters**

**E.1.** No visible emissions the density of which is equal to or greater than that designated as Number 1 on the Ringelmann Chart (20 percent opacity) shall be emitted.  
[Rule 62-296.320(4)(b)1, F.A.C.]

**E.2.** Sulfur content in fuel shall not exceed 0.5% by weight.  
[Construction Permit AC50-259704 dated February 9, 1995]

**E.3.** Nitrogen oxide (NO<sub>x</sub>) emissions shall not exceed 4.75 pounds per million Btu.  
[Construction Permit AC50-259704 dated February 9, 1995, and Rule 62-296.570(4)(b)7]

##### **Test Methods and Procedures**

**E.4.** All visible emissions tests performed pursuant to the requirements of this permit shall comply with the following provisions:

- a. The test method for visible emissions shall be EPA Reference Method 9, incorporated and adopted by reference in Chapter 62-297.401(9), F.A.C.
- b. Test procedures shall meet all applicable requirements of Chapter 62-297, F.A.C.  
[Rule 62-296.320(4)(b)4.a., F.A.C.]
- c. The required minimum period of observation for an EPA Reference Method 9 compliance test shall be thirty (30) minutes. 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(4) (a) 2., F.A.C.]

**E.5.** Nitrogen oxide (NO<sub>x</sub>) emission tests shall be conducted in accordance with EPA Reference Method 7E as published in 40 CFR 60, Appendix A.

**E.6.** NO<sub>x</sub> and VE from each diesel generator shall be tested annually.

**Record keeping and Reporting Requirements**

**E.7.** A log of the running hours and fuel consumption shall be kept for a period of 5 years and be available for the Department to examine. The following table (all are equivalent units) shall be used to compute the annual emissions from the diesel generators :

<b>Pollutant</b>	<b>Emission Factor</b>
Nitrogen Oxides	11.00 grams/hp-hr
	2.77 pounds/MMBtu heat input <sup>⊙</sup>
	379 pounds/1000 gallons <sup>⊙</sup>
Sulfur Dioxide	3.67*S grams/hp-hr
	0.92 *S pounds/MMBtu heat input <sup>⊙</sup>
	127*S pounds/1000 gallons <sup>⊙</sup>

Based on AP-42 factors

Diesel fuel @ 137,000 Btu/gallon and 7.1 pounds/gallon

S is the percent sulfur in the fuel

⊙ Based on 8750 Btu/bhp-hr for a 2 cycle diesel engine

[Construction Permit AC50-259704 dated February 9, 1995]



## Appendix H-1, Permit History/ID Number Changes

United States Sugar Corporation  
Bryant Mill

Facility ID No.: 0990061-006-AV

### Permit History (for tracking purposes):

E.U.

<u>ID No.</u>	<u>Description</u>	<u>Permit No.</u>	<u>Issue Date</u>	<u>Expiration Date</u>	<u>Extended Date</u> <sup>1, 2</sup>	<u>Revised Date(s)</u>
-001	Bagasse Boiler No. 1	AC50-2041A	1/2/75	11/30/75		
		AO50-2041A	1/20/76	1/20/79		1/20/81
		AO50-7253	3/13/81	3/1/86		
		AO50-116610	3/4/86	3/4/91		
		AO50-191891	2/19/91	2/19/96	3/8/94	
		AO50-226997				
		RACT	3/8/94	2/19/96	03/21/96	11/20/96
-002	Bagasse Boiler No. 2	AC50-2042A	5/28/74	7/1/75		11/30/75
		AO50-2042A	1/20/76	1/20/79		1/20/81
		AO50-7252	3/13/81	3/1/86		
		AO50-116613	3/3/86	3/3/91		
		AO50-191899	2/19/91	2/19/96		
		AO50-226998				
		RACT	3/8/94	2/19/96	03/21/96	11/20/96
-003	Bagasse Boiler No. 3	AC50-2043A	7/15/74	7/1/75		
		AO50-2043A	6/30/75	6/30/78		6/30/80
		AO50-7076	10/16/80	10/16/85		
		AO50-110301	10/9/85	10/9/90		
		AO50-182880	8/6/90	8/6/95		3/8/94
		AO50-226999				
		RACT	3/8/94	8/6/95	03/21/96	11/20/96

## Appendix H-1, Permit History/ID Number Changes

United States Sugar Corporation  
Bryant Mill

Facility ID No.: 0990061-006-AV

### Permit History (for tracking purposes):

E.U.

<u>ID No.</u>	<u>Description</u>	<u>Permit No.</u>	<u>Issue Date</u>	<u>Expiration Date</u>	<u>Extended Date</u> <sup>1, 2</sup>	<u>Revised</u>
-005	Bagasse Boiler No. 5	BACT/ PSD-FL-009	8/7/78			
		AC50-5177	9/20/78	9/20/80		8/15/79
		AO50-7096	10/16/80	10/16/85		
		AO50-110302	10/9/85	10/9/90		
		AC50-137573	5/5/88	5/31/89		6/6/88
		PSD-FL-009 (Modification)	7/18/88			
		AO50-162367	5/30/89	5/30/94		
		AC50-213702	7/13/92	7/13/97		
		AO50-234931	10/15/93	10/15/98		3/28/94
		AO50-234931 (Modification)	3/27/98	3/28/99		
-006	Lime Silo	AC50-256703	11/2/94	1/27/95		2/14/96
		AO50-265423	6/28/95	6/28/00		5/3/95
-007 and 008	Diesel Electric Generators 1 and 2	AC50-259704	2/9/95	2/9/96		
		AO50-269446	5/31/95	5/31/00	03/21/96	8/22/95

### Notes:

1 - AO permit(s) automatic extension(s) in Rule 62-210.300(2)(a)3.a., F.A.C., effective 03/21/96.

2 - AC permit(s) automatic extension(s) in Rule 62-213.420(1)(a)4., F.A.C., effective 03/20/96.

{Rule 62-213.420(1)(b)2., F.A.C., effective 03/20/96, allows Title V Sources to operate under existing valid permits}

## Appendix I-1, List of Insignificant Emissions Units and/or Activities.

United States Sugar Corporation  
U.S. Sugar Bryant Mill

**PROPOSED Permit No.:** 0990061-006-AV  
**Facility ID No.:** 0990061

The facilities, emissions units, or pollutant-emitting activities listed in Rule 62-210.300(3)(a), F.A.C., Categorical Exemptions, are exempt from the permitting requirements of Chapters 62-210 and 62-4, F.A.C.; provided, however, that exempt emissions units shall be subject to any applicable emission limiting standards and the emissions from exempt emissions units or activities shall be considered in determining the potential emissions of the facility containing such emissions units. Emissions units and pollutant-emitting activities exempt from permitting under Rule 62-210.300(3)(a), F.A.C., shall not be exempt from the permitting requirements of Chapter 62-213, F.A.C., if they are contained within a Title V source; however, such emissions units and activities shall be considered insignificant for Title V purposes provided they also meet the criteria of Rule 62-213.430(6)(b), F.A.C. No emissions unit shall be entitled to an exemption from permitting under Rule 62.210.300(3)(a), F.A.C., if its emissions, in combination with the emissions of other units and activities at the facility, would cause the facility to emit or have the potential to emit any pollutant in such amount as to make the facility a Title V source.

The below listed emissions units and/or activities are considered insignificant pursuant to Rule 62-213.430(6), F.A.C.

Brief Description of Emissions Units and/or Activities	Process Area
1. Auto repair/maintenance	Body shop
2. Boiler ash handling/storage	Boiling house
3. Boiler blowdown pipes/vents	Boiling house
4. Material storage areas	Boiling house
5. Cane dumping/handling	Cane dumping area
6. Hydrochloric (muriatic) acid tanks	Chemical prep building
7. Lime storage tanks	Chemical prep building
8. Ash Ponds	Facility-wide
9. Bagacillo and bagasse handling systems	Facility-wide
10. Batch mixers (< 30 cu. ft.)	Facility-wide
11. Carbonaceous fuel handling and storage piles	Facility-wide
12. Cold cleaning operations (non-halogenated solvent)	Facility-wide
13. Containers for oils/wax/grease	Facility-wide
14. Cooling water towers, spray ponds, and canals	Facility-wide
15. Covered conveyors/drop points	Facility-wide
16. Diesel, gasoline, fuel oil, kerosene, lube oil, hydraulic oil, motor oil, and used oil storage tanks	Facility-wide
17. Electric ovens for drying	Facility-wide
18. Emergency generators	Facility-wide
19. Gear boxes, reducer vents	Facility-wide
20. Handling of raw sugar	Facility-wide
21. Kerosene dispenser drip pans	Facility-wide
22. Liquid loading/unloading (non-MAP)	Facility-wide
23. Molasses storage tanks	Facility-wide
24. Painting operations	Facility-wide

**Appendix I-1, List of Insignificant Emissions Units and/or Activities.**

United States Sugar Corporation  
U.S. Sugar Bryant Mill

**PROPOSED Permit No.:** 0990061-006-AV  
**Facility ID No.:** 0990061

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25. Oil/water separator/skimmer equipment, troughs/storage	Facility-wide
26. Pressurized LPG tanks	Facility-wide
27. Process-wide flanges and valves	Facility-wide
28. Pump vents (lube oil vents)	Facility-wide
29. Scrubber water ponds and troughs	Facility-wide
30. Solvent recovery stills	Facility-wide
31. Stationary internal combustion engines (general)	Facility-wide
32. Use of cutting oils	Facility-wide
33. Used oil tanks/drums (covered)	Facility-wide
34. Vacuum cleaning systems	Facility-wide
35. Vehicle generated dust	Facility-wide
36. Vents from hydraulic/lube oil reservoirs	Facility-wide
37. Wood working and metal working operations	Facility-wide
38. Locomotive Painting Area	Locomotive-shop
39. Locomotive repair, maintenance	Locomotive-shop
42. Oil and Water Separators	Locomotive-shop
43. Metallizing operations	Machine shop
44. Field services shop	Offsite
45. Paint Booth	Painting
47. Steam turbine separator vents	Power house
48. Gasoline dispensers	Scale house area
49. Sugar Warehouses	Sugar Warehouses
50. Track maintenance operations	Track maintenance building
51. Wastewater treatment	Wastewater treatment plant
52. Baghouse on bagasse conveying system	Bagasse conveying system
53. AES Shop	AES
54. Harvester shed	AES
55. Paint Shop	AES
56. Tractor Repair shop	AES
57. Chemical storage building	AES
58. Contaminated diesel storage tank	AES
59. Equipment washing station	AES
60. Kerosene storage tank	AES
61. Low sulfur diesel storage tank	AES
62. Low sulfur diesel storage tank (NSPS)	AES
63. Parts washer	AES
64. Pesticide storage building	AES
65. Service station pumps (3)	AES
66. Unleaded gasoline storage tanks (2)	AES
67. Used oil storage tanks (2)	AES
68. Agricultural field diesel engines and associated fuel storage tanks	Facility Wide
69. Agricultural cane elevator engines and associated fuel storage tanks	Facility Wide

NOTE: AES = Agricultural Equipment Shop

**Appendix U-1, List of Unregulated Emissions Units and/or Activities.**

United States Sugar Corporation  
U.S. Sugar Bryant Mill

**PROPOSED Permit No.:** 0990061-006-AV  
**Facility ID No.:** 0990061

Unregulated Emissions Units and/or Activities. An emissions unit which emits no “emissions-limited pollutant” and which is subject to no unit-specific work practice standard, though it may be subject to regulations applied on a facility-wide basis (e.g., unconfined emissions, odor, general opacity) or to regulations that require only that it be able to prove exemption from unit-specific emissions or work practice standards.

**1.** During each federal fiscal year (October 1 -- September 30), the owner or operator of the lime silo emissions unit shall have a formal compliance test conducted for:

a. Visible emissions, if there is an applicable standard;  
[Rule 62-297.310(7)(a) 4, F.A.C.] [Not federally enforceable]

**2.** All visible emissions tests performed pursuant to the requirements of this permit shall comply with the following provisions:

a. The test method for visible emissions shall be EPA Reference Method 9, incorporated and adopted by reference in Chapter 62-297.401(9), F.A.C.

b. Test procedures shall meet all applicable requirements of Chapter 62-297, F.A.C.  
[Rule 62-296.320(4)(b)4.a., F.A.C.] [Not federally enforceable]

c. The required minimum period of observation for an EPA Reference Method 9 compliance test shall be thirty (30) minutes. 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(4) (a) 2., F.A.C.] [Not federally enforceable]

The below listed emissions units and/or activities are neither ‘regulated emissions units’ nor ‘insignificant emissions units’.

**E.U.**

**ID No.      Brief Description of Emissions Units and/or Activity**

**-006      Lime Storage Silo**

The Lime Storage Silo is equipped with a Sutor Built Series 400 baghouse filter.

(A) Visible emissions limits 20 % opacity.

[Rule 62-296.320(4)(b)1, F.A.C.]

**-009      Sugar Mill and Boiling House**

The sugar mill and boiling house consists of bagacillo cyclones and handling system; centrifugals; crystallizers; evaporator cleaning operations; evaporators with NCG vent; juice and clarified juice heaters (steam); lime slaker; mud filter vacuum pumps; processing tanks; rotary mud filters; and vacuum pans/receivers, and condensers; cane mills; cush-cush and DSM screens; and turbine vents.

(A) Visible emissions limits 20 % opacity.\*

[Rule 62-296.320(4)(b)1, F.A.C.]

**APPENDIX R-1****EU-001 : Boiler No. 1 Rule Applicability for U.S. Sugar, Bryant Mill**

<b>APPLIC STAT</b>	<b>RULE DESCRIP</b>	<b>RULE NUMBER</b>	<b>RULE TITLE</b>	<b>RATIONAL FOR NON-APPLICABILITY</b>
NON-APPLICABLE	60 Subpart A	40CFR60.1	Subpart A -- General Provisions	Boiler No. 1 is not subject to NSPS.
NON-APPLICABLE	60 Subpart D	40CFR60.40	SubPart D -- Applicability and designation of affected facility	Boiler No. 1 was constructed prior to August 17, 1971, and has not been modified or reconstructed after this date.
NON-APPLICABLE	60 Subpart Db	40CFR60.40b	Subpart Db -- Applicability and delegation of authority	Boiler No. 1 was constructed prior to June 19, 1984, and has not been modified or reconstructed after this date.
NON-APPLICABLE	60 Subpart Dc	40CFR60.40c	Subpart Dc -- Small Industrial - Commercial - Institutional Steam Generating Units -- Applicability	Boiler No. 1 was constructed prior to June 9, 1989, and has not been modified or reconstructed after this date. In addition, Boiler No. 1 has a heat input of greater than 100 MMBtu/hr.
APPLICABLE	62-210	62-210	STATIONARY SOURCES - GENERAL REQUIREMENTS	
APPLICABLE	62-210	62-210.700	EXCESS EMISSIONS	
APPLICABLE	62-210	62-210.700(1)	EXCESS EMISSIONS	
NON-APPLICABLE	62-210	62-210.700(2)	EXCESS EMISSIONS	Boiler No. 1 is defined as a carbonaceous fuel-fired boiler, not a fossil fuel steam generator.
NON-APPLICABLE	62-210	62-210.700(3)	EXCESS EMISSIONS	Boiler No. 1 is defined as a carbonaceous fuel-fired boiler, not a fossil fuel steam generator.
APPLICABLE	62-210	62-210.700(4)	EXCESS EMISSIONS	
APPLICABLE	62-210	62-210.700(5)	EXCESS EMISSIONS	
APPLICABLE	62-210	62-210.700(6)	EXCESS EMISSIONS	
APPLICABLE	62-296 <	62-296	STATIONARY SOURCES - EMISSION STANDARDS	

**APPENDIX R-1****EU-001 : Boiler No. 1 Rule Applicability for U.S. Sugar, Bryant Mill**

NON-APPLICABLE	62-296 <	62-296.320(4)(b)	General Pollutant Emission Limiting Standards.	A visible emission standard set forth elsewhere in Rule 62-296 applies to Boiler No. 1.
NON-APPLICABLE	62-296 <	62-296.405	Fossil Fuel Steam Generators with more than 250 million Btu per Hour Heat Input.	Boiler No. 1 is defined as a carbonaceous fuel-fired boiler, not a fossil fuel steam generator.
NON-APPLICABLE	62-296 <	62-296.406	Fossil Fuel Steam Generators with less than 250 Million Btu per Hour Heat Input, New and Existing Em	Boiler No. 1 is defined as a carbonaceous fuel-fired boiler, not a fossil fuel steam generator.
APPLICABLE	62-296 <	62-296.410	Carbonaceous Fuel Burning Equipment.	
APPLICABLE	62-296 <	62-296.410(1)	Carbonaceous Fuel Burning Equipment.	
NON-APPLICABLE	62-296 <	62-296.410(1)(a)	Carbonaceous Fuel Burning Equipment.	Boiler No. 1 has a maximum heat input capacity of greater than 30 MMBtu/hr.
APPLICABLE	62-296 <	62-296.410(1)(b)	Carbonaceous Fuel Burning Equipment.	
NON-APPLICABLE	62-296 <	62-296.410(2)	New Emissions Units.	Boiler No. 1 was issued a permit prior to July 1, 1974.
APPLICABLE	62-296 <	62-296.410(3)	Test Methods and Procedures.	
APPLICABLE	62-296 >	62-296.500	Reasonably Available Control Technology (RACT) - Volatile Organic Compounds (VOC) and Nitrogen Oxide	
APPLICABLE	62-296 >	62-296.570	Reasonably Available Control Technology (RACT) - Requirements for Major VOC- and NOx-Emitting Facility	
APPLICABLE	62-296 >	62-296.570(1)	Applicability	
APPLICABLE	62-296 >	62-296.570(1)(a)		
APPLICABLE	62-296 >	62-296.570(2)	Compliance Requirements.	
APPLICABLE	62-296 >	62-296.570(3)	Operation Permit Requirements.	
APPLICABLE	62-296 >	62-296.570(4)	Operation Permit Requirements.	
APPLICABLE	62-296 >	62-296.570(4)(a)	Operation Permit Requirements.	
APPLICABLE	62-296 >	62-296.570(4)(a) 1.	Operation Permit Requirements.	

**APPENDIX R-1****EU-001 : Boiler No. 1 Rule Applicability for U.S. Sugar, Bryant Mill**

APPLICABLE	62-296 >	62-296.570(4)(a)2.	Operation Permit Requirements.	
APPLICABLE	62-296 >	62-296.570(4)(a)3.	Operation Permit Requirements.	
NON- APPLICABLE	62-296 >	62-296.570(4)(a)4.	Operation Permit Requirements.	Boiler No. 1 does not have a CEM.
APPLICABLE	62-296 >	62-296.570(4)(b)	Operation Permit Requirements.	
APPLICABLE	62-296 >	62-296.570(4)(b)6.	Operation Permit Requirements.	
APPLICABLE	62-296 >	62-296.570(4)(c)	Operation Permit Requirements.	
NON- APPLICABLE	62-296 >	62-296.700	Reasonably Available Control Technology (RACT) Particulate Matter.	U.S. Sugar, Bryant Mill is located in Palm Beach County, which is not a nonattainment or maintenance area for particulate matter.
NON- APPLICABLE	62-296 >	62-296.702	Fossil Fuel Steam Generators.	U.S. Sugar, Bryant Mill is located in Palm Beach County, which is not a nonattainment or maintenance area for particulate matter.
NON- APPLICABLE	62-296 >	62-296.703	Carbonaceous Fuel Burners.	U.S. Sugar, Bryant Mill is located in Palm Beach County, which is not a nonattainment or maintenance area for particulate matter.
APPLICABLE	62-297	62-297	STATIONARY SOURCES - EMISSIONS MONITORING	
APPLICABLE	62-297	62-297.310	General Compliance Test Requirements.	
APPLICABLE	62-297	62-297.310(1)	Required Number of Test Runs.	
APPLICABLE	62-297	62-297.310(2)	Operating Rate During Testing.	
NON- APPLICABLE	62-297	62-297.310(2)(a)	Operating Rate During Testing.	Boiler No. 1 is not a combustion turbine.
APPLICABLE	62-297	62-297.310(2)(b)	Operating Rate During Testing.	
APPLICABLE	62-297	62-297.310(3)	Calculation of Emission Rate.	
APPLICABLE	62-297	62-297.310(4)	Applicable Test Procedures.	



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APPLICABLE	62-297	62-297.310(5)	Determination of Process Variables.	
APPLICABLE	62-297	62-297.310(6)	Required Stack Sampling Facilities.	
APPLICABLE	62-297	62-297.310(7)	Frequency of Compliance Tests.	
APPLICABLE	62-297	62-297.310(7)(a)	General Compliance Testing.	
APPLICABLE	62-297	62-297.310(7)(a)1.	General Compliance Testing.	
NON- APPLICABLE	62-297	62-297.310(7)(a)10.	General Compliance Testing.	Boiler No. 1 is not exempt from permitting, insignificant, or permitted under the general Permit provisions.
NON- APPLICABLE	62-297	62-297.310(7)(a)2.	General Compliance Testing.	Boiler No. 1 is defined as a carbonaceous fuel-fired boiler, not a fossil fuel steam generator.
APPLICABLE	62-297	62-297.310(7)(a)3.	General Compliance Testing.	
APPLICABLE	62-297	62-297.310(7)(a)4.	General Compliance Testing.	
APPLICABLE	62-297	62-297.310(7)(a)4.a.	General Compliance Testing.	
APPLICABLE	62-297	62-297.310(7)(a)4.b.	General Compliance Testing.	
NON- APPLICABLE	62-297	62-297.310(7)(a)4.c.	General Compliance Testing.	No applicable standard for any NESHAP pollutant.
APPLICABLE	62-297	62-297.310(7)(a)5.	General Compliance Testing.	
NON- APPLICABLE	62-297	62-297.310(7)(a)6.	General Compliance Testing.	Boiler No. 1 is defined as a carbonaceous fuel-fired boiler, not a fossil fuel steam generator.
NON- APPLICABLE	62-297	62-297.310(7)(a)7.	General Compliance Testing.	Boiler No. 1 is defined as a carbonaceous fuel-fired boiler, not a fossil fuel steam generator.
NON- APPLICABLE	62-297	62-297.310(7)(a)8.	General Compliance Testing.	Boiler No. 1 is not a combustion turbine.
APPLICABLE	62-297	62-297.310(7)(a)9.	General Compliance Testing.	
APPLICABLE	62-297	62-297.310(7)(b)	General Compliance Testing.	
APPLICABLE	62-297	62-297.310(7)(c)	General Compliance Testing.	
APPLICABLE	62-297	62-297.310(8)	Test Reports.	

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APPLICABLE	62-297	62-297.400	EPA Methods Adopted by Reference.	
APPLICABLE	62-297	62-297.401	Compliance Test Methods.	
APPLICABLE	62-297	62-297.401(1)(a)	EPA Method 1 - Sample and Velocity Traverses for Stationary sources - 40 CFR 60 Appendix A.	
APPLICABLE	62-297	62-297.401(18)	EPA Method 18 - Measurement of Gaseous Organic Compound Emissions by Gas Chromatography - 40 CFR 60	
APPLICABLE	62-297	62-297.401(2)	EPA Method 2 - Determination of Stack Gas Velocity and Volumetric Flow Rate - 40 CFR 60 Appendix A.	
APPLICABLE	62-297	62-297.401(25)(a)	EPA Method 25A - Determination of Total Gaseous Nonmethane Organic Emissions as Carbon - 40 CFR 60 Ap	
APPLICABLE	62-297	62-297.401(3)	EPA Method 3 - Gas Analysis for Carbon Dioxide, Oxygen, Excess Air, and Dry Molecular Weight - 40 CF	
APPLICABLE	62-297	62-297.401(4)	EPA Method 4 - Determination of Moisture Content in Stack Gases - 40 CFR 60 Appendix A.	
APPLICABLE	62-297	62-297.401(5)	EPA Method 5 - Determination of Particulate Emissions from Stationary Sources - 40 CFR 60 Appendix A	
APPLICABLE	62-297	62-297.401(9)	EPA Test Method 9	
NON-APPLICABLE	62-297	62-297.401(9)(a)	EPA Method 9 - Visual Determination of the Opacity of Emissions from Stationary Sources - 40 CFR 60	Required method is DEP Test Method 9.
NON-APPLICABLE	62-297	62-297.401(9)(b)	EPA Test Method 9, Alternate 1	Required method is DEP Test Method 9.
APPLICABLE	62-297	62-297.401(9)(c)	DEP Test Method 9	
APPLICABLE	62-297	62-297.440	Supplementary Test Procedures.	
APPLICABLE	62-297	62-297.440(1)	Supplementary Test Procedures.	
APPLICABLE	62-297	62-297.440(1)(b)	Supplementary Test Procedures.	
APPLICABLE	62-297	62-297.440(1)(h)	Supplementary Test Procedures.	
APPLICABLE	62-297	62-297.440(1)(i)	Supplementary Test Procedures.	
APPLICABLE	62-297	62-297.620	Exceptions and Approval of Alternate Procedures and Requirements.	

**APPENDIX R-1****EU-002 : Boiler No. 2 Rule Applicability for U.S. Sugar, Bryant Mill**

<b>APPLIC STAT</b>	<b>RULE DESCRIP</b>	<b>RULE NUMBER</b>	<b>RULE TITLE</b>	<b>RATIONAL FOR NON-APPLICABILITY</b>
NON-APPLICABLE	60 Subpart A	40CFR60.1	Subpart A -- General Provisions	Boiler No. 2 is not subject to NSPS.
NON-APPLICABLE	60 Subpart D	40CFR60.40	SubPart D -- Applicability and designation of affected facility	Boiler No. 2 was constructed prior to August 17, 1971, and has not been modified or reconstructed after this date.
NON-APPLICABLE	60 Subpart Db	40CFR60.40b	Subpart Db -- Applicability and delegation of authority	Boiler No. 2 was constructed prior to June 19, 1984, and has not been modified or reconstructed after this date.
NON-APPLICABLE	60 Subpart Dc	40CFR60.40c	Subpart Dc -- Small Industrial - Commercial - Institutional Steam Generating Units -- Applicability	Boiler No. 2 was constructed prior to June 9, 1989, and has not been modified or reconstructed after this date. In addition, Boiler No. 2 has a heat input of greater than 100 MMBtu/hr.
APPLICABLE	62-210	62-210	STATIONARY SOURCES - GENERAL REQUIREMENTS	
APPLICABLE	62-210	62-210.700	EXCESS EMISSIONS	
APPLICABLE	62-210	62-210.700(1)	EXCESS EMISSIONS	
NON-APPLICABLE	62-210	62-210.700(2)	EXCESS EMISSIONS	Boiler No. 2 is defined as a carbonaceous fuel-fired boiler, not a fossil fuel steam generator.
NON-APPLICABLE	62-210	62-210.700(3)	EXCESS EMISSIONS	Boiler No. 2 is defined as a carbonaceous fuel-fired boiler, not a fossil fuel steam generator.
APPLICABLE	62-210	62-210.700(4)	EXCESS EMISSIONS	
APPLICABLE	62-210	62-210.700(5)	EXCESS EMISSIONS	
APPLICABLE	62-210	62-210.700(6)	EXCESS EMISSIONS	
APPLICABLE	62-296 <	62-296	STATIONARY SOURCES - EMISSION STANDARDS	
NON-APPLICABLE	62-296 <	62-296.320(4)(b)	General Pollutant Emission Limiting Standards.	A visible emission standard set forth elsewhere in Rule 62-296 applies to Boiler No. 2.
NON-APPLICABLE	62-296 <	62-296.405	Fossil Fuel Steam Generators with more than 250 million Btu per Hour Heat Input.	Boiler No. 2 is defined as a carbonaceous fuel-fired boiler, not a fossil fuel steam generator.
NON-APPLICABLE	62-296 <	62-296.406	Fossil Fuel Steam Generators with less than 250 Million Btu per Hour Heat Input, New and Existing Em	Boiler No. 2 is defined as a carbonaceous fuel-fired boiler, not a fossil fuel steam generator.
APPLICABLE	62-296 <	62-296.410	Carbonaceous Fuel Burning Equipment.	

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APPLICABLE	62-296 <	62-296.410(1)	Carbonaceous Fuel Burning Equipment.	
NON- APPLICABLE	62-296 <	62-296.410(1)(a)	Carbonaceous Fuel Burning Equipment.	Boiler No. 2 has a maximum heat input capacity of greater than 30 MMBtu/hr.
APPLICABLE	62-296 <	62-296.410(1)(b)	Carbonaceous Fuel Burning Equipment.	
NON- APPLICABLE	62-296 <	62-296.410(2)	New Emissions Units.	Boiler No. 2 was issued a permit prior to July 1, 1974.
APPLICABLE	62-296 <	62-296.410(3)	Test Methods and Procedures.	
APPLICABLE	62-296 >	62-296.500	Reasonably Available Control Technology (RACT) - Volatile Organic Compounds (VOC) and Nitrogen Oxide	
APPLICABLE	62-296 >	62-296.570	Reasonably Available Control Technology (RACT) - Requirements for Major VOC- and NOx-Emitting Facility	
APPLICABLE	62-296 >	62-296.570(1)		
APPLICABLE	62-296 >	62-296.570(1)(a)		
APPLICABLE	62-296 >	62-296.570(2)	Compliance Requirements.	
APPLICABLE	62-296 >	62-296.570(3)	Operation Permit Requirements.	
APPLICABLE	62-296 >	62-296.570(4)	Operation Permit Requirements.	
APPLICABLE	62-296 >	62-296.570(4)(a)	Operation Permit Requirements.	
APPLICABLE	62-296 >	62-296.570(4)(a)1.	Operation Permit Requirements.	
APPLICABLE	62-296 >	62-296.570(4)(a)2.	Operation Permit Requirements.	
APPLICABLE	62-296 >	62-296.570(4)(a)3.	Operation Permit Requirements.	
APPLICABLE	62-296 >	62-296.570(4)(b)	Operation Permit Requirements.	
APPLICABLE	62-296 >	62-296.570(4)(b)6.	Operation Permit Requirements.	
APPLICABLE	62-296 >	62-296.570(4)(c)	Operation Permit Requirements.	
NON- APPLICABLE	62-296 >	62-296.700	Reasonably Available Control Technology (RACT) Particulate Matter.	U.S. Sugar, Bryant Mill is located in Palm Beach County, which is not a nonattainment or maintenance area for particulate matter.
NON- APPLICABLE	62-296 >	62-296.702	Fossil Fuel Steam Generators.	U.S. Sugar, Bryant Mill is located in Palm Beach County, which is not a nonattainment or maintenance area for particulate matter.
NON- APPLICABLE	62-296 >	62-296.703	Carbonaceous Fuel Burners.	U.S. Sugar, Bryant Mill is located in Palm Beach County, which is not a nonattainment or maintenance area for particulate matter.

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APPLICABLE	62-297	62-297	STATIONARY SOURCES - EMISSIONS MONITORING	
APPLICABLE	62-297	62-297.310	General Compliance Test Requirements.	
APPLICABLE	62-297	62-297.310(1)	Required Number of Test Runs.	
APPLICABLE	62-297	62-297.310(2)	Operating Rate During Testing.	
NON- APPLICABLE	62-297	62-297.310(2)(a)	Operating Rate During Testing.	Boiler No. 2 is not a combustion turbine.
APPLICABLE	62-297	62-297.310(2)(b)	Operating Rate During Testing.	
APPLICABLE	62-297	62-297.310(3)	Calculation of Emission Rate.	
APPLICABLE	62-297	62-297.310(4)	Applicable Test Procedures.	
APPLICABLE	62-297	62-297.310(5)	Determination of Process Variables.	
APPLICABLE	62-297	62-297.310(6)	Required Stack Sampling Facilities.	
APPLICABLE	62-297	62-297.310(7)	Frequency of Compliance Tests.	
APPLICABLE	62-297	62-297.310(7)(a)	General Compliance Testing.	
APPLICABLE	62-297	62-297.310(7)(a)1.	General Compliance Testing.	
NON- APPLICABLE	62-297	62-297.310(7)(a)10.	General Compliance Testing.	Boiler No. 2 is not exempt from permitting, insignificant, or permitted under the general Permit provisions.
NON- APPLICABLE	62-297	62-297.310(7)(a)2.	General Compliance Testing.	Boiler No. 2 is defined as a carbonaceous fuel-fired boiler, not a fossil fuel steam generator.
APPLICABLE	62-297	62-297.310(7)(a)3.	General Compliance Testing.	
APPLICABLE	62-297	62-297.310(7)(a)4.	General Compliance Testing.	
APPLICABLE	62-297	62-297.310(7)(a)4.a.	General Compliance Testing.	
APPLICABLE	62-297	62-297.310(7)(a)4.b.	General Compliance Testing.	
NON- APPLICABLE	62-297	62-297.310(7)(a)4.c.	General Compliance Testing.	No applicable standard for any NESHAP pollutant.
APPLICABLE	62-297	62-297.310(7)(a)5.	General Compliance Testing.	
NON- APPLICABLE	62-297	62-297.310(7)(a)6.	General Compliance Testing.	Boiler No. 2 is defined as a carbonaceous fuel-fired boiler, not a fossil fuel steam generator.
NON- APPLICABLE	62-297	62-297.310(7)(a)7.	General Compliance Testing.	Boiler No. 2 is defined as a carbonaceous fuel-fired boiler, not a fossil fuel steam generator.

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NON-APPLICABLE	62-297	62-297.310(7)(a)8.	General Compliance Testing.	Boiler No. 2 is not a combustion turbine.
APPLICABLE	62-297	62-297.310(7)(a)9.	General Compliance Testing.	
APPLICABLE	62-297	62-297.310(7)(b)	General Compliance Testing.	
APPLICABLE	62-297	62-297.310(7)(c)	General Compliance Testing.	
APPLICABLE	62-297	62-297.310(8)	Test Reports.	
APPLICABLE	62-297	62-297.400	EPA Methods Adopted by Reference.	
APPLICABLE	62-297	62-297.401	Compliance Test Methods.	
APPLICABLE	62-297	62-297.401(1)(a)	EPA Method 1 - Sample and Velocity Traverses for Stationary sources - 40 CFR 60 Appendix A.	
APPLICABLE	62-297	62-297.401(18)	EPA Method 18 - Measurement of Gaseous Organic Compound Emissions by Gas Chromatography - 40 CFR 60	
APPLICABLE	62-297	62-297.401(2)	EPA Method 2 - Determination of Stack Gas Velocity and Volumetric Flow Rate - 40 CFR 60 Appendix A.	
APPLICABLE	62-297	62-297.401(25)(a)	EPA Method 25A - Determination of Total Gaseous Nonmethane Organic Emissions as Carbon - 40 CFR 60 Ap	
APPLICABLE	62-297	62-297.401(3)	EPA Method 3 - Gas Analysis for Carbon Dioxide, Oxygen, Excess Air, and Dry Molecular Weight - 40 CF	
APPLICABLE	62-297	62-297.401(4)	EPA Method 4 - Determination of Moisture Content in Stack Gases - 40 CFR 60 Appendix A.	
APPLICABLE	62-297	62-297.401(5)	EPA Method 5 - Determination of Particulate Emissions from Stationary Sources - 40 CFR 60 Appendix A	
APPLICABLE	62-297	62-297.401(9)	EPA Test Method 9	
NON-APPLICABLE	62-297	62-297.401(9)(a)	EPA Method 9 - Visual Determination of the Opacity of Emissions from Stationary Sources - 40 CFR 60	Required method is DEP Test Method 9.
NON-APPLICABLE	62-297	62-297.401(9)(b)	EPA Test Method 9, Alternate 1	Required method is DEP Test Method 9.

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APPLICABLE	62-297	62-297.401(9)(c)	DEP Test Method 9	
APPLICABLE	62-297	62-297.440	Supplementary Test Procedures.	
APPLICABLE	62-297	62-297.440(1)	Supplementary Test Procedures.	
APPLICABLE	62-297	62-297.440(1)(b)	Supplementary Test Procedures.	
APPLICABLE	62-297	62-297.440(1)(h)	Supplementary Test Procedures.	
APPLICABLE	62-297	62-297.440(1)(i)	Supplementary Test Procedures.	
APPLICABLE	62-297	62-297.620	Exceptions and Approval of Alternate Procedures and Requirements.	

**APPENDIX R-1****EU-003 : Boiler No. 3 Rule Applicability for U.S. Sugar, Bryant Mill**

<b>APPLIC STAT</b>	<b>RULE DESCRIP</b>	<b>RULE NUMBER</b>	<b>RULE TITLE</b>	<b>RATIONAL FOR NON-APPLICABILITY</b>
NON-APPLICABLE	60 Subpart A	40CFR60.1	Subpart A -- General Provisions	Boiler No. 3 is not subject to NSPS.
NON-APPLICABLE	60 Subpart D	40CFR60.40	SubPart D -- Applicability and designation of affected facility	Boiler No. 3 was constructed prior to August 17, 1971, and has not been modified or reconstructed after this date.
NON-APPLICABLE	60 Subpart Db	40CFR60.40b	Subpart Db -- Applicability and delegation of authority	Boiler No. 3 was constructed prior to June 19, 1984, and has not been modified or reconstructed after this date.
NON-APPLICABLE	60 Subpart Dc	40CFR60.40c	Subpart Dc -- Small Industrial - Commercial - Institutional Steam Generating Units -- Applicability	Boiler No. 3 was constructed prior to June 9, 1989, and has not been modified or reconstructed after this date. In addition, Boiler No. 3 has a heat input of greater than 100 MMBtu/hr.
APPLICABLE	62-210	62-210	STATIONARY SOURCES - GENERAL REQUIREMENTS	
APPLICABLE	62-210	62-210.700	EXCESS EMISSIONS	
APPLICABLE	62-210	62-210.700(1)	EXCESS EMISSIONS	
NON-APPLICABLE	62-210	62-210.700(2)	EXCESS EMISSIONS	Boiler No. 3 is defined as a carbonaceous fuel-fired boiler, not a fossil fuel steam generator.
NON-APPLICABLE	62-210	62-210.700(3)	EXCESS EMISSIONS	Boiler No. 3 is defined as a carbonaceous fuel-fired boiler, not a fossil fuel steam generator.
APPLICABLE	62-210	62-210.700(4)	EXCESS EMISSIONS	
APPLICABLE	62-210	62-210.700(5)	EXCESS EMISSIONS	
APPLICABLE	62-210	62-210.700(6)	EXCESS EMISSIONS	
APPLICABLE	62-296 <	62-296	STATIONARY SOURCES - EMISSION STANDARDS	
NON-APPLICABLE	62-296 <	62-296.320(4)(b)	General Pollutant Emission Limiting Standards.	A visible emission standard set forth elsewhere in Rule 62-296 applies to Boiler No. 3.
NON-APPLICABLE	62-296 <	62-296.405	Fossil Fuel Steam Generators with more than 250 million Btu per Hour Heat Input.	Boiler No. 3 is defined as a carbonaceous fuel-fired boiler, not a fossil fuel steam generator.
NON-APPLICABLE	62-296 <	62-296.406	Fossil Fuel Steam Generators with less than 250 Million Btu per Hour Heat Input, New and Existing Em	Boiler No. 3 is defined as a carbonaceous fuel-fired boiler, not a fossil fuel steam generator.
APPLICABLE	62-296 <	62-296.410	Carbonaceous Fuel Burning Equipment.	



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APPLICABLE	62-296 <	62-296.410(1)	Carbonaceous Fuel Burning Equipment.	
NON- APPLICABLE	62-296 <	62-296.410(1)(a)	Carbonaceous Fuel Burning Equipment.	Boiler No. 3 has a maximum heat input capacity of greater than 30 MMBtu/hr.
APPLICABLE	62-296 <	62-296.410(1)(b)	Carbonaceous Fuel Burning Equipment.	
NON- APPLICABLE	62-296 <	62-296.410(2)	New Emissions Units.	Boiler No. 3 was issued a permit prior to July 1, 1974.
APPLICABLE	62-296 <	62-296.410(3)	Test Methods and Procedures.	
APPLICABLE	62-296 >	62-296.500	Reasonably Available Control Technology (RACT) - Volatile Organic Compounds (VOC) and Nitrogen Oxide	
APPLICABLE	62-296 >	62-296.570	Reasonably Available Control Technology (RACT) - Requirements for Major VOC- and NOx-Emitting Facility	
APPLICABLE	62-296 >	62-296.570(1)		
APPLICABLE	62-296 >	62-296.570(1)(a)		
APPLICABLE	62-296 >	62-296.570(2)	Compliance Requirements.	
APPLICABLE	62-296 >	62-296.570(3)	Operation Permit Requirements.	
APPLICABLE	62-296 >	62-296.570(4)	Operation Permit Requirements.	
APPLICABLE	62-296 >	62-296.570(4)(a)	Operation Permit Requirements.	
APPLICABLE	62-296 >	62-296.570(4)(a)1.	Operation Permit Requirements.	
APPLICABLE	62-296 >	62-296.570(4)(a)2.	Operation Permit Requirements.	
APPLICABLE	62-296 >	62-296.570(4)(a)3.	Operation Permit Requirements.	
APPLICABLE	62-296 >	62-296.570(4)(b)	Operation Permit Requirements.	
APPLICABLE	62-296 >	62-296.570(4)(b)6.	Operation Permit Requirements.	
APPLICABLE	62-296 >	62-296.570(4)(c)	Operation Permit Requirements.	
NON- APPLICABLE	62-296 >	62-296.700	Reasonably Available Control Technology (RACT) Particulate Matter.	U.S. Sugar, Bryant Mill is located in Palm Beach County, which is not a nonattainment or maintenance area for particulate matter.
NON- APPLICABLE	62-296 >	62-296.702	Fossil Fuel Steam Generators.	U.S. Sugar, Bryant Mill is located in Palm Beach County, which is not a nonattainment or maintenance area for particulate matter.
NON- APPLICABLE	62-296 >	62-296.703	Carbonaceous Fuel Burners.	U.S. Sugar, Bryant Mill is located in Palm Beach County, which is not a nonattainment or maintenance area for particulate matter.

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APPLICABLE	62-297	62-297	STATIONARY SOURCES - EMISSIONS MONITORING	
APPLICABLE	62-297	62-297.310	General Compliance Test Requirements.	
APPLICABLE	62-297	62-297.310(1)	Required Number of Test Runs.	
APPLICABLE	62-297	62-297.310(2)	Operating Rate During Testing.	
NON- APPLICABLE	62-297	62-297.310(2)(a)	Operating Rate During Testing.	Boiler No. 3 is not a combustion turbine.
APPLICABLE	62-297	62-297.310(2)(b)	Operating Rate During Testing.	
APPLICABLE	62-297	62-297.310(3)	Calculation of Emission Rate.	
APPLICABLE	62-297	62-297.310(4)	Applicable Test Procedures.	
APPLICABLE	62-297	62-297.310(5)	Determination of Process Variables.	
APPLICABLE	62-297	62-297.310(6)	Required Stack Sampling Facilities.	
APPLICABLE	62-297	62-297.310(7)	Frequency of Compliance Tests.	
APPLICABLE	62-297	62-297.310(7)(a)	General Compliance Testing.	
APPLICABLE	62-297	62-297.310(7)(a)1.	General Compliance Testing.	
NON- APPLICABLE	62-297	62-297.310(7)(a)10.	General Compliance Testing.	Boiler No. 3 is not exempt from permitting, insignificant, or permitted under the general Permit provisions.
NON- APPLICABLE	62-297	62-297.310(7)(a)2.	General Compliance Testing.	Boiler No. 3 is defined as a carbonaceous fuel-fired boiler, not a fossil fuel steam generator.
APPLICABLE	62-297	62-297.310(7)(a)3.	General Compliance Testing.	
APPLICABLE	62-297	62-297.310(7)(a)4.	General Compliance Testing.	
APPLICABLE	62-297	62-297.310(7)(a)4.a.	General Compliance Testing.	
APPLICABLE	62-297	62-297.310(7)(a)4.b.	General Compliance Testing.	
NON- APPLICABLE	62-297	62-297.310(7)(a)4.c.	General Compliance Testing.	No applicable standard for any NESHAP pollutant.
APPLICABLE	62-297	62-297.310(7)(a)5.	General Compliance Testing.	
NON- APPLICABLE	62-297	62-297.310(7)(a)6.	General Compliance Testing.	Boiler No. 3 is defined as a carbonaceous fuel-fired boiler, not a fossil fuel steam generator.
NON- APPLICABLE	62-297	62-297.310(7)(a)7.	General Compliance Testing.	Boiler No. 3 is defined as a carbonaceous fuel-fired boiler, not a fossil fuel steam generator.

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NON- APPLICABLE	62-297	62-297.310(7)(a)8.	General Compliance Testing.	Boiler No. 3 is not a combustion turbine.
APPLICABLE	62-297	62-297.310(7)(a)9.	General Compliance Testing.	
APPLICABLE	62-297	62-297.310(7)(b)	General Compliance Testing.	
APPLICABLE	62-297	62-297.310(7)(c)	General Compliance Testing.	
APPLICABLE	62-297	62-297.310(8)	Test Reports.	
APPLICABLE	62-297	62-297.400	EPA Methods Adopted by Reference.	
APPLICABLE	62-297	62-297.401	Compliance Test Methods.	
APPLICABLE	62-297	62-297.401(1)(a)	EPA Method 1 - Sample and Velocity Traverses for Stationary sources - 40 CFR 60 Appendix A.	
APPLICABLE	62-297	62-297.401(18)	EPA Method 18 - Measurement of Gaseous Organic Compound Emissions by Gas Chromatography - 40 CFR 60	
APPLICABLE	62-297	62-297.401(25)(a)	EPA Method 25A - Determination of Total Gaseous Nonmethane Organic Emissions as Carbon - 40 CFR 60 Ap	
APPLICABLE	62-297	62-297.401(2)	EPA Method 2 - Determination of Stack Gas Velocity and Volumetric Flow Rate - 40 CFR 60 Appendix A.	
APPLICABLE	62-297	62-297.401(3)	EPA Method 3 - Gas Analysis for Carbon Dioxide, Oxygen, Excess Air, and Dry Molecular Weight - 40 CF	
APPLICABLE	62-297	62-297.401(4)	EPA Method 4 - Determination of Moisture Content in Stack Gases - 40 CFR 60 Appendix A.	
APPLICABLE	62-297	62-297.401(5)	EPA Method 5 - Determination of Particulate Emissions from Stationary Sources - 40 CFR 60 Appendix A	
APPLICABLE	62-297	62-297.401(9)	EPA Test Method 9	
NON- APPLICABLE	62-297	62-297.401(9)(a)	EPA Method 9 - Visual Determination of the Opacity of Emissions from Stationary Sources - 40 CFR 60	Required method is DEP Test Method 9.
NON- APPLICABLE	62-297	62-297.401(9)(b)	EPA Test Method 9, Alternate 1	Required method is DEP Test Method 9.

**APPENDIX R-1****EU-003 : Boiler No. 3 Rule Applicability for U.S. Sugar, Bryant Mill**

APPLICABLE	62-297	62-297.401(9)(c)	DEP Test Method 9	
APPLICABLE	62-297	62-297.440	Supplementary Test Procedures.	
APPLICABLE	62-297	62-297.440(1)	Supplementary Test Procedures.	
APPLICABLE	62-297	62-297.440(1)(b)	Supplementary Test Procedures.	
APPLICABLE	62-297	62-297.440(1)(h)	Supplementary Test Procedures.	
APPLICABLE	62-297	62-297.440(1)(i)	Supplementary Test Procedures.	
APPLICABLE	62-297	62-297.620	Exceptions and Approval of Alternate Procedures and Requirements.	

**APPENDIX R-1****EU-004 : Boiler No. 5 Rule Applicability for U.S. Sugar Corporation, Bryant Mill**

<b>APPLIC STAT</b>	<b>RULE DESCRIP</b>	<b>RULE NUMBER</b>	<b>RULE TITLE</b>	<b>RATIONAL FOR NON-APPLICABILITY</b>
NON-APPLICABLE	60 Subpart A	40CFR60.1	Subpart A -- General Provisions	Boiler No. 5 not subject to NSPS.
NON-APPLICABLE	60 Subpart D	40CFR60.40	SubPart D -- Applicability and designation of affected facility	Boiler No. 5 has a maximum heat input due to fossil fuel of less than 250 MMBtu/hr.
NON-APPLICABLE	60 Subpart Db	40CFR60.40b	Subpart Db -- Applicability and delegation of authority	Boiler No. 5 was constructed prior to June 19, 1984, and has not been modified or reconstructed after this date.
NON-APPLICABLE	60 Subpart Dc	40CFR60.40c	Subpart Dc -- Small Industrial - Commercial - Institutional Steam Generating Units -- Applicability	Boiler No. 5 was constructed prior to June 9, 1989, and has not been modified or reconstructed after this date. In addition, Boiler No. 5 has a heat input of greater than 100 MMBtu/hr.
APPLICABLE	62-210	62-210	STATIONARY SOURCES - GENERAL REQUIREMENTS	
APPLICABLE	62-210	62-210.700	EXCESS EMISSIONS	
APPLICABLE	62-210	62-210.700(1)	EXCESS EMISSIONS	
NON-APPLICABLE	62-210	62-210.700(2)	EXCESS EMISSIONS	Boiler No. 5 is defined as a carbonaceous fuel-fired boiler, not a fossil fuel steam generator.
NON-APPLICABLE	62-210	62-210.700(3)	EXCESS EMISSIONS	Boiler No. 5 is defined as a carbonaceous fuel-fired boiler, not a fossil fuel steam generator.
APPLICABLE	62-210	62-210.700(4)	EXCESS EMISSIONS	
APPLICABLE	62-210	62-210.700(5)	EXCESS EMISSIONS	
APPLICABLE	62-210	62-210.700(6)	EXCESS EMISSIONS	
APPLICABLE	62-296 <	62-296	STATIONARY SOURCES - EMISSION STANDARDS	
NON-APPLICABLE	62-296 <	62-296.320(4)(b)	General Pollutant Emission Limiting Standards.	A visible emission standard set forth elsewhere in Rule 62-296 applies to Boiler No. 5.
NON-APPLICABLE	62-296 <	62-296.405	Fossil Fuel Steam Generators with more than 250 million Btu per Hour Heat Input.	Boiler No. 5 is defined as a carbonaceous fuel-fired boiler, not a fossil fuel steam generator.

**APPENDIX R-1****EU-004 : Boiler No. 5 Rule Applicability for U.S. Sugar Corporation, Bryant Mill**

NON- APPLICABLE	62-296 <	62-296.406	Fossil Fuel Steam Generators with less than 250 Million Btu per Hour Heat Input, New and Existing Em	Boiler No. 5 is defined as a carbonaceous fuel-fired boiler, not a fossil fuel steam generator.
APPLICABLE	62-296 <	62-296.410	Carbonaceous Fuel Burning Equipment.	
NON- APPLICABLE	62-296 <	62-296.410(1)	Carbonaceous Fuel Burning Equipment.	Boiler No. 5 was issued a permit after July 1, 1974.
APPLICABLE	62-296 <	62-296.410(2)	New Emissions Units.	
NON- APPLICABLE	62-296 <	62-296.410(2)(a)	New Emissions Units.	Boiler No. 5 has a maximum heat input capacity of greater than 30 MMBtu/hr.
APPLICABLE	62-296 <	62-296.410(2)(b)	New Emissions Units.	
APPLICABLE	62-296 <	62-296.410(3)	Test Methods and Procedures.	
NON- APPLICABLE	62-296 >	62-296.500	Reasonably Available Control Technology (RACT) - Volatile Organic Compounds (VOC) and Nitrogen Oxide	Boiler No. 5 was subject to PSD/BACT for NOx and VOC emissions.
NON- APPLICABLE	62-296 >	62-296.570	Reasonably Available Control Technology (RACT) - Requirements for Major VOC- and NOx-Emitting Facility	Boiler No. 5 was subject to PSD/BACT for NOx and VOC emissions.
NON- APPLICABLE	62-296 >	62-296.570(4)(b)6.	Operation Permit Requirements.	Boiler No. 5 was subject to PSD/BACT for NOx and VOC emissions.
NON- APPLICABLE	62-296 >	62-296.700	Reasonably Available Control Technology (RACT) Particulate Matter.	U.S. Sugar, Bryant Mill is located in Palm Beach County, which is not a nonattainment or maintenance area for particulate matter.
NON- APPLICABLE	62-296 >	62-296.702	Fossil Fuel Steam Generators.	U.S. Sugar, Bryant Mill is located in Palm Beach County, which is not a nonattainment or maintenance area for particulate matter.
NON- APPLICABLE	62-296 >	62-296.703	Carbonaceous Fuel Burners.	U.S. Sugar, Bryant Mill is located in Palm Beach County, which is not a nonattainment or maintenance area for particulate matter.
APPLICABLE	62-297	62-297	STATIONARY SOURCES - EMISSIONS MONITORING	
APPLICABLE	62-297	62-297.310	General Compliance Test Requirements.	

**APPENDIX R-1****EU-004 : Boiler No. 5 Rule Applicability for U.S. Sugar Corporation, Bryant Mill**

APPLICABLE	62-297	62-297.310(1)	Required Number of Test Runs.	
APPLICABLE	62-297	62-297.310(2)	Operating Rate During Testing.	
NON- APPLICABLE	62-297	62-297.310(2)(a)	Operating Rate During Testing.	Boiler No. 5 is not a combustion turbine.
APPLICABLE	62-297	62-297.310(2)(b)	Operating Rate During Testing.	
APPLICABLE	62-297	62-297.310(3)	Calculation of Emission Rate.	
APPLICABLE	62-297	62-297.310(4)	Applicable Test Procedures.	
APPLICABLE	62-297	62-297.310(5)	Determination of Process Variables.	
APPLICABLE	62-297	62-297.310(6)	Required Stack Sampling Facilities.	
APPLICABLE	62-297	62-297.310(7)	Frequency of Compliance Tests.	
APPLICABLE	62-297	62-297.310(7)(a)	General Compliance Testing.	
APPLICABLE	62-297	62-297.310(7)(a)1.	General Compliance Testing.	
NON- APPLICABLE	62-297	62-297.310(7)(a)10.	General Compliance Testing.	Boiler No. 5 is not exempt from permitting, insignificant, or permitted under the general Permit provisions.
NON- APPLICABLE	62-297	62-297.310(7)(a)2.	General Compliance Testing.	Boiler No. 5 is defined as a carbonaceous fuel-fired boiler, not a fossil fuel steam generator.
APPLICABLE	62-297	62-297.310(7)(a)3.	General Compliance Testing.	
APPLICABLE	62-297	62-297.310(7)(a)4.	General Compliance Testing.	
APPLICABLE	62-297	62-297.310(7)(a)4.a.	General Compliance Testing.	
APPLICABLE	62-297	62-297.310(7)(a)4.b.	General Compliance Testing.	
NON- APPLICABLE	62-297	62-297.310(7)(a)4.c.	General Compliance Testing.	No applicable standard for any NESHAP pollutant.
APPLICABLE	62-297	62-297.310(7)(a)5.	General Compliance Testing.	
NON- APPLICABLE	62-297	62-297.310(7)(a)6.	General Compliance Testing.	Boiler No. 5 is defined as a carbonaceous fuel-fired boiler, not a fossil fuel steam generator.
NON- APPLICABLE	62-297	62-297.310(7)(a)7.	General Compliance Testing.	Boiler No. 5 is defined as a carbonaceous fuel-fired boiler, not a fossil fuel steam generator.
NON- APPLICABLE	62-297	62-297.310(7)(a)8.	General Compliance Testing.	Boiler No. 5 is not a combustion turbine.

**APPENDIX R-1****EU-004 : Boiler No. 5 Rule Applicability for U.S. Sugar Corporation, Bryant Mill**

APPLICABLE	62-297	62-297.310(7)(a)9.	General Compliance Testing.	
APPLICABLE	62-297	62-297.310(7)(b)	General Compliance Testing.	
APPLICABLE	62-297	62-297.310(7)(c)	General Compliance Testing.	
APPLICABLE	62-297	62-297.310(8)	Test Reports.	
APPLICABLE	62-297	62-297.400	EPA Methods Adopted by Reference.	
APPLICABLE	62-297	62-297.401	Compliance Test Methods.	
APPLICABLE	62-297	62-297.401(1)(a)	EPA Method 1 - Sample and Velocity Traverses for Stationary sources - 40 CFR 60 Appendix A.	
APPLICABLE	62-297	62-297.401(10)	EPA Method 10 - Determination of Carbon Monoxide Emissions from Stationary Sources - 40 CFR 60 Appendix	
APPLICABLE	62-297	62-297.401(18)	EPA Method 18 - Measurement of Gaseous Organic Compound Emissions by Gas Chromatography - 40 CFR 60	
APPLICABLE	62-297	62-297.401(2)	EPA Method 2 - Determination of Stack Gas Velocity and Volumetric Flow Rate - 40 CFR 60 Appendix A.	
APPLICABLE	62-297	62-297.401(25)	EPA Method 25 - Determination of Total Gaseous Nonmethane Organic Emissions as Carbon - 40 CFR 60 Ap	
APPLICABLE	62-297	62-297.401(25)(a)	EPA Method 25A - Determination of Total Gaseous Nonmethane Organic Emissions as Carbon - 40 CFR 60 Ap	
APPLICABLE	62-297	62-297.401(3)	EPA Method 3 - Gas Analysis for Carbon Dioxide, Oxygen, Excess Air, and Dry Molecular Weight - 40 CF	
APPLICABLE	62-297	62-297.401(4)	EPA Method 4 - Determination of Moisture Content in Stack Gases - 40 CFR 60 Appendix A.	
APPLICABLE	62-297	62-297.401(5)	EPA Method 5 - Determination of Particulate Emissions from Stationary Sources - 40 CFR 60 Appendix A	



**APPENDIX R-1****EU-004 : Boiler No. 5 Rule Applicability for U.S. Sugar Corporation, Bryant Mill**

APPLICABLE	62-297	62-297.401(6)	EPA Method 6 - Determination of Sulfur Dioxide Emissions from Stationary Sources - 40 CFR 60 Appendix	
APPLICABLE	62-297	62-297.401(7)	EPA Method 7 - Determination of Nitrogen Oxide Emissions from Stationary Sources - 40 CFR 60 Appendix	
APPLICABLE	62-297	62-297.401(7)(a)	EPA Method 7A - Determination of Nitrogen Oxide Emissions from Stationary Sources - 40 CFR 60 Appendix - Ion Chromatographic Method.	
APPLICABLE	62-297	62-297.401(7)(e)	EPA Method 7E - Determination of Nitrogen Oxide Emissions from Stationary Sources - 40 CFR 60 Appendix	
APPLICABLE	62-297	62-297.401(9)	EPA Test Method 9	
APPLICABLE	62-297	62-297.401(9)(a)	EPA Test Method 9-Visual Determination of the Opacity of Emissions from Stationary Sources - 40 CFR 60	
APPLICABLE	62-297	62-297.440	Supplementary Test Procedures.	
APPLICABLE	62-297	62-297.440(1)	Supplementary Test Procedures.	
APPLICABLE	62-297	62-297.440(1)(b)	Supplementary Test Procedures.	
APPLICABLE	62-297	62-297.440(1)(h)	Supplementary Test Procedures.	
APPLICABLE	62-297	62-297.440(1)(i)	Supplementary Test Procedures.	
APPLICABLE	62-297	62-297.620	Exceptions and Approval of Alternate Procedures and Requirements.	

**APPENDIX R-1****EU-005 : Lime Silo Rule Applicability for U.S. Sugar Corporation, Bryant Mill**

APPLIC STAT	RULE DESCRIPT	RULE NUMBER	RULE TITLE	RATIONAL FOR NON-APPLICABILITY
APPLICABLE	62-210	62-210.700	EXCESS EMISSIONS	
APPLICABLE	62-210	62-210.700(1)	EXCESS EMISSIONS	
NON-APPLICABLE	62-210	62-210.700(2)	EXCESS EMISSIONS	The Lime Silo is not a fossil fuel steam generator.
NON-APPLICABLE	62-210	62-210.700(3)	EXCESS EMISSIONS	The Lime Silo is not a fossil fuel steam generator.
APPLICABLE	62-210	62-210.700(4)	EXCESS EMISSIONS	
APPLICABLE	62-210	62-210.700(5)	EXCESS EMISSIONS	
APPLICABLE	62-210	62-210.700(6)	EXCESS EMISSIONS	
APPLICABLE	62-296 <	62-296	STATIONARY SOURCES - EMISSION STANDARDS	
APPLICABLE	62-296 <	62-296.320	General Pollutant Emission Limiting Standards.	
APPLICABLE	62-296 <	62-296.320(4)(b)	General Pollutant Emission Limiting Standards.	
APPLICABLE	62-297	62-297	STATIONARY SOURCES - EMISSIONS MONITORING	
APPLICABLE	62-297	62-297.310	General Compliance Test Requirements.	
APPLICABLE	62-297	62-297.310(1)	Required Number of Test Runs.	
APPLICABLE	62-297	62-297.310(2)	Operating Rate During Testing.	
NON-APPLICABLE	62-297	62-297.310(2)(a)	Operating Rate During Testing.	The Lime Silo is not a combustion turbine.
APPLICABLE	62-297	62-297.310(2)(b)	Operating Rate During Testing.	
APPLICABLE	62-297	62-297.310(3)	Calculation of Emission Rate.	
APPLICABLE	62-297	62-297.310(4)	Applicable Test Procedures.	
APPLICABLE	62-297	62-297.310(4)(a)2.		
APPLICABLE	62-297	62-297.310(5)	Determination of Process Variables.	
NON-APPLICABLE	62-297	62-297.310(6)	Required Stack Sampling Facilities.	Stack sampling not required.
APPLICABLE	62-297	62-297.310(7)	Frequency of Compliance Tests.	
NON-APPLICABLE	62-297	62-297.310(7)(a)1.		The Lime Silo already has an operating permit.
APPLICABLE	62-297	62-297.310(7)(a)10.		
NON-APPLICABLE	62-297	62-297.310(7)(a)2.		The Lime Silo does not have a PM limit.

**APPENDIX R-1****EU-005 : Lime Silo Rule Applicability for U.S. Sugar Corporation, Bryant Mill**

APPLICABLE	62-297	62-297.310(7)(a)3.		
APPLICABLE	62-297	62-297.310(7)(a)4.		
APPLICABLE	62-297	62-297.310(7)(a)4.a.		
NON- APPLICABLE	62-297	62-297.310(7)(a)4.b.		No applicable emission limit.
NON- APPLICABLE	62-297	62-297.310(7)(a)4.c.		No emission standard for NESHAP pollutant.
APPLICABLE	62-297	62-297.310(7)(a)9.		
APPLICABLE	62-297	62-297.310(7)(b)		
APPLICABLE	62-297	62-297.310(8)	Test Reports.	
APPLICABLE	62-297	62-297.400	EPA Methods Adopted by Reference.	
APPLICABLE	62-297	62-297.401	Compliance Test Methods.	
APPLICABLE	62-297	62-297.401(9)(a)	EPA Method 9 - Visual Determination of the Opacity of Emissions from Stationary Sources - 40 CFR 60	
APPLICABLE	62-297	62-297.620	Exceptions and Approval of Alternate Procedures and Requirements.	

**APPENDIX R-1****EU-006 : Diesel Generating Unit #1 and #2, Non-Applicable Rules for U.S. Sugar Corporation, Bryant Mill**

APPLIC STAT	RULE DESCRIP	RULE NUMBER	RULE TITLE	RATIONAL FOR NON-APPLICABILITY
APPLICABLE	62-210	62-210.700	EXCESS EMISSIONS	
APPLICABLE	62-210	62-210.700(1)	EXCESS EMISSIONS	
NON- APPLICABLE	62-210	62-210.700(2)	EXCESS EMISSIONS	Diesel Units #1 and #2 are not fossil fuel steam generators.
NON- APPLICABLE	62-210	62-210.700(3)	EXCESS EMISSIONS	Diesel Units #1 and #2 are not fossil fuel steam generators.
APPLICABLE	62-210	62-210.700(4)	EXCESS EMISSIONS	
APPLICABLE	62-210	62-210.700(5)	EXCESS EMISSIONS	
APPLICABLE	62-210	62-210.700(6)	EXCESS EMISSIONS	
APPLICABLE	62-296 <	62-296.320(4)(b)	General Pollutant Emission Limiting Standards.	
APPLICABLE	62-296 >	62-296.500	Reasonably Available Control Technology (RACT) - Volatile Organic Compounds (VOC) and Nitrogen Oxide	
APPLICABLE	62-296 >	62-296.570	Reasonably Available Control Technology (RACT) - Requirements for Major VOC- and NOx-Emitting Facility	
APPLICABLE	62-296 >	62-296.570(1)		
APPLICABLE	62-296 >	62-296.570(1)(a)		
APPLICABLE	62-296 >	62-296.570(2)	Compliance Requirements.	
APPLICABLE	62-296 >	62-296.570(3)	Operation Permit Requirements.	
APPLICABLE	62-296 >	62-296.570(4)	Operation Permit Requirements.	
APPLICABLE	62-296 >	62-296.570(4)(a)	Operation Permit Requirements.	
APPLICABLE	62-296 >	62-296.570(4)(a)1.	Operation Permit Requirements.	
APPLICABLE	62-296 >	62-296.570(4)(a)2.	Operation Permit Requirements.	
APPLICABLE	62-296 >	62-296.570(4)(a)3.	Operation Permit Requirements.	
NON- APPLICABLE	62-296 >	62-296.570(4)(a)4.	Operation Permit Requirements.	Diesel Units #1 and #2 do not have CEMS.
APPLICABLE	62-296 >	62-296.570(4)(b)	Operation Permit Requirements.	
APPLICABLE	62-296 >	62-296.570(4)(b)7.	Operation Permit Requirements.	
APPLICABLE	62-296 >	62-296.570(4)(c)	Operation Permit Requirements.	

**APPENDIX R-1****EU-006 : Diesel Generating Unit #1 and #2, Non-Applicable Rules for U.S. Sugar Corporation, Bryant Mill**

NON- APPLICABLE	62-296 >	62-296.700	Reasonable Available Control Technology (RACT) Particulate Matter.	The Bryant mill is not in a PM nonattainment or maintenance area.
APPLICABLE	62-297	62-297	STATIONARY SOURCES - EMISSIONS MONITORING	
APPLICABLE	62-297	62-297.310	General Compliance Test Requirements.	
APPLICABLE	62-297	62-297.310(1)	Required Number of Test Runs.	
APPLICABLE	62-297	62-297.310(2)	Operating Rate During Testing.	
NON- APPLICABLE	62-297	62-297.310(2)(a)	Operating Rate During Testing.	Diesel Units #1 and #2 are not combustion turbines.
APPLICABLE	62-297	62-297.310(2)(b)	Operating Rate During Testing.	
APPLICABLE	62-297	62-297.310(3)	Calculation of Emission Rate.	
APPLICABLE	62-297	62-297.310(4)	Applicable Test Procedures.	
APPLICABLE	62-297	62-297.310(4)(a)2.		
	62-297	62-297.310(4)(a)2.a.		
APPLICABLE	62-297	62-297.310(5)	Determination of Process Variables.	
APPLICABLE	62-297	62-297.310(6)		
	62-297	62-297.310(6)(a)		
APPLICABLE	62-297	62-297.310(7)	Frequency of Compliance Tests.	
APPLICABLE	62-297	62-297.310(7)(a)		
NON- APPLICABLE	62-297	62-297.310(7)(a)1.		Not a new or modified unit.
NON- APPLICABLE	62-297	62-297.310(7)(a)10.		Diesel Units #1 and #2 are not exempt from permitting.
APPLICABLE	62-297	62-297.310(7)(a)3.		
APPLICABLE	62-297	62-297.310(7)(a)4.		
APPLICABLE	62-297	62-297.310(7)(a)4.a.		
APPLICABLE	62-297	62-297.310(7)(a)9.		
APPLICABLE	62-297	62-297.310(8)	Test Reports.	
APPLICABLE	62-297	62-297.400	EPA Methods Adopted by Reference.	
APPLICABLE	62-297	62-297.401	Compliance Test Methods.	

**APPENDIX R-1****EU-006 : Diesel Generating Unit #1 and #2, Non-Applicable Rules for U.S. Sugar Corporation, Bryant Mill**

APPLICABLE	62-297	62-297.401(25)(a)	EPA Method 25A - Determination of Total Gaseous Nonmethane Organic Emissions as Carbon - 40 CFR 60 Ap	
APPLICABLE	62-297	62-297.401(7)(e)	EPA Method 7E - Determination of Nitrogen Oxide Emissions from Stationary Sources - 40 CFR 60 Appendix	
APPLICABLE	62-297	62-297.401(9)(a)	EPA Method 9 - Visual Determination of the Opacity of Emissions from Stationary Sources - 40 CFR 60	
APPLICABLE	62-297	62-297.440(1)	ASTM Methods.	

**Table 1-1, Summary of Air Pollutant Standards and Terms**

United States Sugar Corporation  
U.S. Sugar Bryant Mill

Permit No.: 0990061-008-AV  
Facility ID No.: 0990061

This table summarizes information for convenience purposes only. This table does not supersede any of the terms of conditions of this permit.

**E.U. ID No.** -001      **Brief Description:** Boiler No. 1

Pollutant Name	Fuel(s)	Hours Per Year	Allowable Emissions			Equivalent Emissions		Regulatory Citation(s)	See Permit Conditions
			Standard(s)	lbs/hour	TPY	lbs/hour	TPY		
PM	Bagasse	8,760	0.3 lbs/MMBtu			115.5	505.9	62-296.410(1)(b)2	A.5.2
PM	# 6 fuel oil	8,760	0.1 lbs/MMBtu			18.9	82.78	62-296.410(1)(b)2	A.6.5
VE	Combination	8,760	30 % opacity					62-296.410(1)(b)1	A.5.1
NO <sub>x</sub>	Combination	8,760	0.45 lbs/MMBtu			173.3	759.05	62-296.570	A.4.1
VOC	Bagasse	8,760	1.5 lbs/MMBtu			577.5	2,529.45	62-296.570	A.4.2
SO <sub>2</sub>	# 6 fuel oil	8,760	2.5 wgt % sulfur			262.4	1,149.31	62.213.440	A.6.2

**Notes:**

\* The "Equivalent Emissions" listed are for informational purpose only.

**Table 1-1, Summary of Air Pollutant Standards and Terms**

United States Sugar Corporation  
U.S. Sugar Bryant Mill

**Permit No.:** 0990061-008-AV  
**Facility ID No.:** 0990061

This table summarizes information for convenience purposes only. This table does not supersede any of the terms of conditions of this permit.

**E.U. ID No.** -002      **Brief Description:** Boiler No. 2

Pollutant Name	Fuel(s)	Hours Per Year	Allowable Emissions			Equivalent Emissions		Regulatory Citation(s)	See Permit Conditions
			Standard(s)	lbs/hour	TPY	lbs/hour	TPY		
PM	Bagasse	8,760	0.3 lbs/MMBtu			115.5	505.9	62-296.410(1)(b)2	B.5.2
PM	# 6 fuel oil	8,760	0.1 lbs/MMBtu			18.9	82.78	62-296.410(1)(b)2	B.6.5
VE	Combination	8,760	30 % opacity					62-296.410(1)(b)1	B.5.1
NO <sub>x</sub>	Combination	8,760	0.45 lbs/MMBtu			173.3	759.05	62-296.570	B.4.1
VOC	Bagasse	8,760	1.5 lbs/MMBtu			577.5	2,529.45	62-296.570	B.4.2
SO <sub>2</sub>	# 6 fuel oil	8,760	2.5 wgt % sulfur			262.4	1,149.31	62.213.440	B.6.2

Notes:

\* The "Equivalent Emissions" listed are for informational purpose only.



**Table 1-1, Summary of Air Pollutant Standards and Terms**

United States Sugar Corporation  
U.S. Sugar Bryant Mill

**Permit No.:** 0990061-008-AV  
**Facility ID No.:** 0990061

This table summarizes information for convenience purposes only. This table does not supersede any of the terms of conditions of this permit.

**E.U. ID No.** -003      **Brief Description:** Boiler No. 3

Pollutant Name	Fuel(s)	Hours Per Year	Allowable Emissions			Equivalent Emissions		Regulatory Citation(s)	See Permit Conditions
			Standard(s)	lbs/hour	TPY	lbs/hour	TPY		
PM	Bagasse	8,760	0.3 lbs/MMBtu			115.5	505.9	62-296.410(1)(b)2	C.5.2
PM	# 6 fuel oil	8,760	0.1 lbs/MMBtu			18.9	82.78	62-296.410(1)(b)2	C.6.5
VE	Combinatio	8,760	30 % opacity					62-296.410(1)(b)1	C.5.1
NO <sub>x</sub>	Combinatio	8,760	0.45 lbs/MMBtu			173.3	759.05	62-296.570	C.4.1
VOC	Bagasse	8,760	1.5 lbs/MMBtu			577.5	2,529.45	62-296.570	C.4.2
SO <sub>2</sub>	# 6 fuel oil	8,760	2.5 wgt % sulfur			262.4	1,149.31	62.213.440	C.6.2

Notes:  
\* The "Equivalent Emissions" listed are for informational purpose only.

**Table 1-1, Summary of Air Pollutant Standards and Terms**

United States Sugar Corporation  
U.S. Sugar Bryant Mill

**Permit No.:** 0990061-008-AV  
**Facility ID No.:** 0990061

This table summarizes information for convenience purposes only. This table does not supersede any of the terms of conditions of this permit.

**E.U. ID No.** -005      **Brief Description:** Boiler No. 5

Pollutant Name	Fuel(s)	Hours Per Year	Allowable Emissions			Equivalent Emissions		Regulatory Citation(s)	See Permit Conditions
			Standard(s)	lbs/hour	TPY	lbs/hour	TPY		
PM	Bagasse	4,752	0.15 lbs/MMBtu	161.7		87.5	154.26	AC50-137573/PSD-FL- 62-296.410(1)(b)2	D.5.2
PM	# 6 fuel oil	4,752	0.1 lbs/MMBtu			21.6	3		D.6.4
VE	Combination	4,752	30 % opacity					62-296.410(1)(b)1	D.5.1
NO <sub>x</sub>	Combination	4,752				161.7	389.3	AC50-137573/PSD-FL- -----	D.4.1
SO <sub>2</sub>	# 6 fuel oil	4,752	0.7 wgt % sulfur			299.3	41.7	AC50-137573/PSD-FL- -----	D.6.2

**Notes:**

\* The "Equivalent Emissions" listed are for informational purpose only.

**Table 1-1, Summary of Air Pollutant Standards and Terms**

United States Sugar Corporation  
U.S. Sugar Bryant Mill

**Permit No.:** 0990061-008-AV  
**Facility ID No.:** 0990061

This table summarizes information for convenience purposes only. This table does not supersede any of the terms of conditions of this permit.

**E.U. ID No.** -007      **Brief Description:** Diesel Electric Generator Set No. 1

Pollutant Name	Fuel(s)	Hours Per Year	Allowable Emissions			Equivalent Emissions		Regulatory Citation(s)	See Permit Conditions
			Standard(s)	lbs/hour	TPY	lbs/hour	TPY		
VE	Diesel Oil	8,760	20% opacity					62-296.320(4)(b)1	E.1
SO <sub>2</sub>	Diesel oil	8,760	0.5 wgt % sulfur			6.72	29.4	AC50-259704	E.2
NO <sub>x</sub>	Diesel oil	8,760	4.75 lbs/MMBtu			53.2	233.0	62-296.570(4)(b)7	E.3

**Notes:**

\* The "Equivalent Emissions" listed are for informational purpose only.

Table 1-1, Summary of Air Pollutant Standards and Terms

United States Sugar Corporation  
U.S. Sugar Bryant Mill

Permit No.: 0990061-008-AV  
Facility ID No.: 0990061

This table summarizes information for convenience purposes only. This table does not supersede any of the terms of conditions of this permit.

E.U. ID No.  
-008

Brief Description:  
Diesel Electric Generator Set No. 2

Pollutant Name	Fuel(s)	Hours Per Year	Allowable Emissions			Equivalent Emissions		Regulatory Citation(s)	See Permit Conditions
			Standard(s)	lbs/hour	TPY	lbs/hour	TPY		
VE	Diesel oil	8,760	20 % opacity					62-296.320(4)(b)1	E.1
SO <sub>2</sub>	Diesel oil	8,760	0.5 wgt % sulfur			6.36	29.43	AC50-259704	E.2
NO <sub>x</sub>	Diesel oil	8,760	4.75 lbs/MMBtu			53.2	233.0	62-296.570(4)(b)7	E.3

Notes:  
\* The “Equivalent Emissions” listed are for informational purpose only.

**Table 2-1, Summary of Compliance Requirements**

United States Sugar Corporation  
U.S. Sugar Bryant Mill

**Permit No.:** 0990061-008-AV  
**Facility ID No.:** 0990061

This table summarizes information for convenience purposes only. This table does not supersede any of the terms of conditions of this permit.

**E.U. ID No.** \_\_\_\_\_ **Brief Description:** \_\_\_\_\_  
-001 Boiler No. 1

Pollutant Name or Parameter	Fuels	Compliance Method	Testing Time Frequency	Frequency Base Date*	Minimum Compliance Test Duration	CMS**	See Permit Condition(s)
PM	Bagasse Or mixed	Methods 1 - 5	Annually	Mar. 15	60 minutes		A.7.2
VE	Bagasse	Method 9	Annually	Mar 15			A.7.1
NO <sub>x</sub>	Bagasse Or mixed	Method 7 or 7E	Annually	Mar 15			A.7.4
VOC	Bagasse	Method 25 or 25A	Annually	Mar 15			A.7.5

**Notes:**

\* The frequency base date is established for planning only; see Rule 62-297.310, F.A.C.

\*\* CMS [ = ] continuous monitoring system

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**Table 2-1, Summary of Compliance Requirements**

United States Sugar Corporation  
U.S. Sugar Bryant Mill

**Permit No.:** 0990061-008-AV  
**Facility ID No.:** 0990061

This table summarizes information for convenience purposes only. This table does not supersede any of the terms of conditions of this permit.

**E.U. ID No.** \_\_\_\_\_ **Brief Description:** \_\_\_\_\_  
-002                      Boiler No. 2

Pollutant Name or Parameter	Fuels	Compliance Method	Testing Time Frequency	Frequency Base Date*	Minimum Compliance Test Duration	CMS**	See Permit Condition(s)
PM	Bagasse Or mixed	Methods 1 - 5	Annually	Mar. 15	60 minutes		B.7.2
VE	Bagasse	Method 9	Annually	Mar 15			B.7.1
NO <sub>x</sub>	Bagasse Or mixed	Method 7 or 7E	Annually	Mar 15			B.7.4
VOC	Bagasse	Method 25 or 25A	Annually	Mar 15			B.7.5

**Notes:**

\* The frequency base date is established for planning only; see Rule 62-297.310, F.A.C.

\*\* CMS [ = ] continuous monitoring system

**Table 2-1, Summary of Compliance Requirements**

United States Sugar Corporation  
U.S. Sugar Bryant Mill

**Permit No.:** 0990061-008-AV  
**Facility ID No.:** 0990061

This table summarizes information for convenience purposes only. This table does not supersede any of the terms of conditions of this permit.

**E.U. ID No.** \_\_\_\_\_ **Brief Description:** \_\_\_\_\_  
-003 Boiler No. 3

Pollutant Name or Parameter	Fuels	Compliance Method	Testing Time Frequency	Frequency Base Date*	Minimum Compliance Test Duration	CMS**	See Permit Condition(s)
PM	Bagasse Or mixed	Methods 1 - 5	Annually	Mar. 15	60 minutes		C.7.2
VE	Bagasse	Method 9	Annually	Mar 15			C.7.1
NO <sub>x</sub>	Bagasse Or mixed	Method 7 or 7E	Annually	Mar 15			C.7.4
VOC	Bagasse	Method 25 or 25A	Annually	Mar 15			C.7.5

**Notes:**

\* The frequency base date is established for planning only; see Rule 62-297.310, F.A.C.

\*\* CMS [ = ] continuous monitoring system

**Table 2-1, Summary of Compliance Requirements**

United States Sugar Corporation  
U.S. Sugar Bryant Mill

**Permit No.:** 0990061-008-AV  
**Facility ID No.:** 0990061

This table summarizes information for convenience purposes only. This table does not supersede any of the terms of conditions of this permit.

**E.U. ID No.** \_\_\_\_\_ **Brief Description:** \_\_\_\_\_  
-005 Boiler No. 5

Pollutant Name or Parameter	Fuels	Compliance Method	Testing Time Frequency	Frequency Base Date*	Minimum Compliance Test Duration	CMS**	See Permit Condition(s)
PM	Bagasse Or mixed	Methods 1 - 5	Annually	Mar. 15	60 minutes		D.7.2
VE	Bagasse Or mixed	Method 9	Annually	Mar 15			D.7.1
NOX	Bagasse Or mixed	Method 7 or 7E	Annually	Mar 15			D.7.3
Thermal efficiency	Bagasse Or mixed	ASTM Short-form	Before pmt. Renewal				D.7.5

**Notes:**

\* The frequency base date is established for planning only; see Rule 62-297.310, F.A.C.

\*\* CMS [ = ] continuous monitoring system



**Table 2-1, Summary of Compliance Requirements**

United States Sugar Corporation  
U.S. Sugar Bryant Mill

**Permit No.:** 0990061-008-AV  
**Facility ID No.:** 0990061

This table summarizes information for convenience purposes only. This table does not supersede any of the terms of conditions of this permit.

**E.U. ID No.** \_\_\_\_\_ **Brief Description:** \_\_\_\_\_  
-007 Diesel Electric Generator Set No. 1

Pollutant Name or Parameter	Fuels	Compliance Method	Testing Time Frequency	Frequency Base Date*	Minimum Compliance Test Duration	CMS**	See Permit Condition(s)
VE	Diesel oil	Method 9	Annually	Mar 15	30 minutes		E.4.1
SO <sub>2</sub>	Diesel oil	ASTM Method D 129-91, or D 2622-94 or D 4294-90	Each batch	Continuous			13.3
NO <sub>x</sub>	Diesel oil	Method 7 or 7E	Annually	Mar 15			E.4.3

**Notes:**

\* The frequency base date is established for planning only; see Rule 62-297.310, F.A.C.

\*\* CMS [ = ] continuous monitoring system

**Table 2-1, Summary of Compliance Requirements**

United States Sugar Corporation  
U.S. Sugar Bryant Mill

**Permit No.:** 0990061-008-AV  
**Facility ID No.:** 0990061

This table summarizes information for convenience purposes only. This table does not supersede any of the terms of conditions of this permit.

**E.U. ID No.** \_\_\_\_\_ **Brief Description:** \_\_\_\_\_  
-008 Diesel Electric Generator Set No. 2

Pollutant Name or Parameter	Fuels	Compliance Method	Testing Time Frequency	Frequency Base Date*	Minimum Compliance Test Duration	CMS**	See Permit Condition(s)
VE	Diesel oil	Method 9	Annually	Mar 15	30 minutes		E.4.1
SO <sub>2</sub>	Diesel oil	ASTM Method D 129-91, or D 2622-94 or D 4294-90	Each batch	Continuous			13.3
NO <sub>x</sub>	Diesel oil	Method 7 or 7E	Annually	Mar 15			E.4.3

**Notes:**

\* The frequency base date is established for planning only; see Rule 62-297.310, F.A.C.

\*\* CMS [ = ] continuous monitoring system

## **APPENDIX SU-1**

### **Bryant Boiler Nos. 1, 2, 3, and 5 Procedures for Startup and Shutdown (Revised 01/31/01)**

Pursuant to Rule 62-210.700(1), F.A.C., the following procedures and precautions are taken to minimize the magnitude and duration of excess emission during startup and shutdown of Boiler Nos. 1, 2, 3, and 5. Boiler room foreman and operating personnel have received proper training on emissions control procedures.

#### **Cold Startup (approximately 6 to 12 hours)**

1. Turn on water valves to scrubber spray nozzles to start scrubber.
2. Feed solid fuel into boiler combustion chamber
3. Start fire in combustion chamber using a propane torch designed for that purpose.
4. As boiler heats up and starts to make steam, continuously observe the boiler and scrubber water levels, and stack plume.
5. Light a fuel oil burner at the lowest rate, continue to observe the stack plume and adjust if necessary, by adjusting fuel, atomizing steam, and air to obtain proper combustion.
6. Feed carbonaceous fuel from the mill to the boiler slowly at first; as the furnace gets hotter and the carbonaceous fuel is burning better, decrease fuel oil until burners can be turned off.
7. Continue to observe the stack plume, the scrubber water level, and the carbonaceous fuel level, making adjustments to drafts, fuel, and scrubber to maintain optimum operating conditions.
8. Normally, a cold startup will require 6 to 12 hours from the first fire to normal working pressure.

#### **Hot Startup (approximately 1 to 5 hours)**

1. This type of startup is applicable when the boiler has been shutdown for a short period of time and is still hot
2. Turn on water valves to scrubber spray nozzles to start scrubber.
3. Check the boiler and scrubber water levels, circulating pump and spray nozzles, and make sure they are functioning properly.
4. Light a burner, continue to observe the stack plume, water levels, and burners.
5. As the carbonaceous fuel fire gets hot enough to meet steam demand, reduce the burner fuel until it can be turned off. Adjust the dampers to get optimum carbonaceous fuel firing.
6. Continue to observe the stack plume, scrubber water level, and carbonaceous fuel level, making adjustments to drafts, fuel, and scrubber to maintain optimum operating conditions.
7. Normally, a warm startup requires 1 to 5 hours, depending on boiler operating conditions.

#### **Shutdown**

1. Stop fuel flow to the boiler, reduce forced draft, distributor air, overfire air, and induced draft.
2. Continue to observe the stack plume and water levels and make adjustments to maintain safe and optimum operating conditions.
3. The scrubber is turned off after the fire in the boiler is extinguished.

## **APPENDIX SU-1**

### **Bryant Diesel Generators No. 1 and 2**

#### **Procedures for Startup and Shutdown**

**(Revised 8/25/00)**

During startup and shutdown of the diesel generators, excess emissions of NO<sub>x</sub> and opacity for more than 2 hours in a 24-hour period and possible. Pursuant to Rule 62-210.700(1), F.A.C., the following procedures, and precautions are taken to minimize the magnitude and duration of excess emissions during startup and shutdown of Diesel Generators No. 1 and 2.

#### **Diesel Generator Startup (1-3 Hours):**

1. The units are maintained at operating temperatures at all times for fuel efficient startup.
2. When the electrical loading of the unit takes place, the flow fuel is gradually increased by hand.
3. When the electrical loading of the unit takes place, small amounts of fuel are added until full load has been achieved.
4. Once full load is achieved, the mechanical governor setting minimizes any fluctuation in generator speed.
5. Normally, a cold startup will require 1-3 hours from first firing to full-load operation.

#### **Diesel Generator Shutdown:**

1. To shutdown, engine R.P.M. is reduced to the point of shutdown by manually reducing the fuel flow to the engine.