

Florida Department of  
Environmental Protection

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**Memorandum**

TO: Joe Kahn, Division of Air Resource Management  
FROM: Trina Vielhauer, Bureau of Air Regulation  
Jeff Koerner, New Source Review Section  
DATE: June 10, 2008  
SUBJECT: Final Air Permit No. 0510003-045-AC  
U.S. Sugar Corporation, Clewiston Sugar Mill and Refinery  
Refinery Package Boiler, 12 MMBtu/hour

This project is subject to minor source preconstruction review. The permit authorizes the installation of a small package boiler to operate during the refinery season (June 1<sup>st</sup> through September 30<sup>th</sup>) when no other mill boilers are operating. The purpose is to support minimal operation of the packaging operations when the other units are down for repair or maintenance. I recommend your approval of the attached final permit.

Attachments

JK/TLV/jfk

## FINAL DETERMINATION

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### PERMITTEE

U.S. Sugar Corporation  
111 Ponce DeLeon Avenue  
Clewiston, FL 33440

### PERMITTING AUTHORITY

Florida Department of Environmental Protection (Department)  
Division of Air Resource Management  
Bureau of Air Regulation, New Source Review Section  
2600 Blair Stone Road, MS #5505  
Tallahassee, Florida 32399-2400

### PROJECT

Air Permit No. 0510003-045-AC  
Refinery Package Boiler

U.S. Sugar operates the existing Clewiston mill, which includes a sugar mill and sugar refinery. The facility is located in Hendry County at the intersection of W.C. Owens Avenue and State Road 832 in Clewiston, Florida. This permit authorizes the installation and operation of a small 12 MMBtu/hour package boiler to operate during the refinery season when no other mill boilers are in operation.

### NOTICE AND PUBLICATION

The Department distributed a draft permit package on May 6, 2008. The applicant published the Public Notice in The Clewiston News on May 22, 2008. The Department received the proof of publication on June 3, 2008.

### COMMENTS

No comments on the draft permit were received from the public, the Department's South District Office or the applicant.

### CONCLUSION

The final action of the Department is to issue the final permit as drafted.

**STATE OF FLORIDA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION**

**NOTICE OF FINAL PERMIT**

*In the Matter of an  
Application for Permit by:*

U.S. Sugar Corporation  
111 Ponce DeLeon Avenue  
Clewiston, FL 33440

*Authorized Representative:*

Mr. Neil Smith, V.P. of Sugar Processing Operations

Air Permit No. 0510003-045-AC  
Clewiston Sugar Mill and Refinery  
Facility ID No. 0510003  
Refinery Package Boiler Project  
Hendry County, Florida

Enclosed is the final air construction permit, which authorizes the installation of a small package boiler to operate during the refinery season when no other mill boilers are in operation. The proposed work will be conducted at the existing Clewiston sugar mill and refinery, which is located in Hendry County at the intersection of W.C. Owens Avenue and State Road 832 in Clewiston, Florida. This permit is issued pursuant to Chapter 403, Florida Statutes.

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

Executed in Tallahassee, Florida.



Trina Vielhauer, Chief  
Bureau of Air Regulation

TLV/jfk

Attachments

**NOTICE OF FINAL PERMIT**

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**CERTIFICATE OF SERVICE**

The undersigned duly designated deputy agency clerk hereby certifies that this Notice of Final Permit (including the Final Permit and Final Determination) was sent by electronic mail with received receipt requested to the persons listed below.

Mr. Neil Smith, U.S. Sugar Corporation ([nsmith@ussugar.com](mailto:nsmith@ussugar.com))  
Mr. Keith Tingberg, U.S. Sugar Corporation ([ktingberg@ussugar.com](mailto:ktingberg@ussugar.com))  
Mr. David Buff, Golder Associates ([dbuff@golder.com](mailto:dbuff@golder.com))  
Mr. Ajaya Satyal, South District Office ([ajaya.satyal@dep.state.fl.us](mailto:ajaya.satyal@dep.state.fl.us))

Clerk Stamp

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

  
\_\_\_\_\_  
(Clerk)

  
\_\_\_\_\_  
(Date)



# Florida Department of Environmental Protection

Bob Martinez Center  
2600 Blair Stone Road  
Tallahassee, Florida 32399-2400

Charlie Crist  
Governor

Jeff Kottkamp  
Lt. Governor

Michael W. Sole  
Secretary

## PERMITTEE

U.S. Sugar Corporation  
111 Ponce DeLeon Avenue  
Clewiston, FL 33440

*Authorized Representative:*

Mr. Neil Smith, V.P. of Sugar Processing Operations

Air Permit No. 0510003-045-AC  
Permit Expires: October 1, 2009  
Clewiston Sugar Mill and Refinery

ARMS ID No. 0510003  
Hendry County, Florida

## PROJECT AND LOCATION

This permit authorizes the installation and operation of a small package boiler (EU-035) to operate during the refinery season when no other mill boilers are in operation. The proposed work will be conducted at the existing Clewiston mill, which includes a sugar mill (SIC No. 2061) and refinery (SIC No. 2062). The facility is located in Hendry County at the intersection of W.C. Owens Avenue and State Road 832 in Clewiston, Florida. The UTM map coordinates are Zone 17, 506.1 E and 2956.9 N.

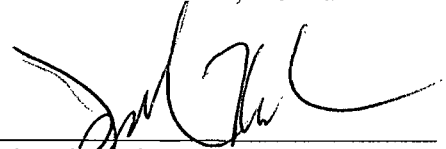
## STATEMENT OF BASIS

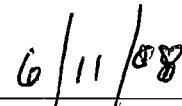
This air pollution construction permit is issued under the provisions of Chapter 403 of the Florida Statutes (F.S.), Chapters 62-4, 62-204, 62-210, 62-212, 62-296, and 62-297 of the Florida Administrative Code (F.A.C.) and Part 60 in Title 40 of the Code of Federal Regulations (CFR) for the New Source Performance Standards (NSPS). The project is not subject to Rule 62-212.400, F.A.C. for the Prevention of Significant Deterioration (PSD) of Air Quality. The permittee is authorized to conduct the proposed work in accordance with the conditions of this permit and as described in the application, approved drawings, plans, and other documents on file with the Department.

## CONTENTS

- Section 1. General Information
- Section 2. Administrative Requirements
- Section 3. Emissions Unit Specific Conditions
- Section 4. Appendices

Executed in Tallahassee, Florida

  
\_\_\_\_\_  
Joseph Kahn, Director  
Division of Air Resource Management

  
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(Date)

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## SECTION 1. GENERAL INFORMATION

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### FACILITY AND PROJECT DESCRIPTION

U.S. Sugar operates a sugar mill and refinery in Hendry County located at the intersection of W.C. Owens Avenue and State Road 832 in Clewiston, Florida. The UTM map coordinates are Zone 17, 506.1 E, and 2956.9 N. Sugarcane is harvested from nearby fields and transported to the mill by train. In the mill, sugarcane is cut into small pieces and processed in a series of presses to squeeze juice from the cane. The juice undergoes clarification, separation, evaporation, and crystallization to produce raw, unrefined sugar. In the refinery, raw sugar is decolorized, concentrated, crystallized, dried, conditioned, screened, packaged, stored, and distributed as refined sugar. The fibrous byproduct remaining from the sugarcane is called bagasse and is burned as boiler fuel to provide steam and heating requirements for the mill and refinery.

This project affects the following existing emissions units.

ID	Emission Unit Description
035	Refinery package boiler

### REGULATORY CLASSIFICATION

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

## SECTION 2. ADMINISTRATIVE REQUIREMENTS

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1. Permitting Authority: The Department's Bureau of Air Regulation is the permitting authority for this renewal permit. The permitting authority for subsequent revisions and renewals is the Air Resource Section of the Department's South District Office at: 2295 Victoria Avenue, Suite 364, Fort Myers, Florida 33902-2549. The telephone number is 239/332-6975 and the fax number is 239/332-6969.
2. Compliance Authority: The permittee shall submit all compliance related notifications and reports required of this permit to the Air Resource Section of the Department's South District Office at: 2295 Victoria Avenue, Suite 364, Fort Myers, Florida 33902-2549. The telephone number is 239/332-6975 and the fax number is 239/332-6969.
3. Appendices: The following Appendices are attached as part of this permit:
  - a. Appendix A. Citation Formats and Glossary of Common Terms;
  - b. Appendix B. General Conditions;
  - c. Appendix C. Common Conditions;
  - d. Appendix D. Common Testing Requirements;
  - e. Appendix E. On-Specification Used Oil Requirements; and
  - f. Appendix F. NSPS Subpart Dc Provisions.
4. Applicable Regulations, Forms and Application Procedures: Unless otherwise specified in this permit, the construction and operation of the subject emissions units shall be in accordance with the capacities and specifications stated in the application. The facility is subject to all applicable provisions of: Chapter 403, F.S.; and Chapters 62-4, 62-204, 62-210, 62-212, 62-213, 62-296, and 62-297, F.A.C. Issuance of this permit does not relieve the permittee from compliance with any applicable federal, state, or local permitting or regulations.
5. New or Additional Conditions: For good cause shown and after notice and an administrative hearing, if requested, the Department may require the permittee to conform to new or additional conditions. The Department shall allow the permittee a reasonable time to conform to the new or additional conditions, and on application of the permittee, the Department may grant additional time. [Rule 62-4.080, F.A.C.]
6. Modifications: The permittee shall notify the Compliance Authority upon commencement of construction. No emissions unit or facility subject to this permit shall be constructed or modified without obtaining an air construction permit from the Department. Such permit shall be obtained prior to beginning construction or modification. [Rules 62-210.300(1) and 62-212.300(1)(a), F.A.C.]
7. Source Obligation:
  - (a) At such time that a particular source or modification becomes a major stationary source or major modification (as these terms were defined at the time the source obtained the enforceable limitation) solely by virtue of a relaxation in any enforceable limitation which was established after August 7, 1980, on the capacity of the source or modification otherwise to emit a pollutant, such as a restriction on hours of operation, then the requirements of subsections 62-212.400(4) through (12), F.A.C., shall apply to the source or modification as though construction had not yet commenced on the source or modification.
  - (b) At such time that a particular source or modification becomes a major stationary source or major modification (as these terms were defined at the time the source obtained the enforceable limitation) solely by exceeding its projected actual emissions, then the requirements of subsections 62-212.400(4) through (12), F.A.C., shall apply to the source or modification as though construction had not yet commenced on the source or modification.

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

## SECTION 2. ADMINISTRATIVE REQUIREMENTS

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



## SECTION 3. EMISSIONS UNIT SPECIFIC CONDITIONS

### A. Refinery Package Boiler (EU-035)

This section of the permit addresses the following emissions unit.

EU No.	Emissions Unit
035	Refinery package boiler with a maximum heat input rate of 12MMBtu per hour from firing distillate oil

#### EQUIPMENT

1. Refinery Package Boiler: As specified in the permit, the permittee is authorized to install and operate a 300 horsepower package boiler that will fire distillate oil. The boiler will be a rental unit and may be a different unit each year. Depending on the date of original construction, the rental boiler may be subject to the applicable provisions in Subpart Dc of 40 CFR 60. [Application No. 0510003-045-AC]

#### PERFORMANCE RESTRICTIONS

2. Permitted Capacity: The maximum heat input rate of the boiler is 12 MMBtu per hour from firing distillate oil at approximately 85 gallons per hour (gph). [Rule 62-210.200(PTE), F.A.C. and Application No. 0510003-045-AC]
3. Authorized Fuel: The boiler is authorized to fire distillate oil or on-specification used oil with a maximum sulfur content of 0.05% by weight. On-specification used oil shall meet the additional requirements specified in Appendix E of this permit. [Rule 62-210.200(PTE), F.A.C. and Application No. 0510003-045-AC]
4. Operational Restrictions: The boiler shall only operate during the period of June 1<sup>st</sup> through September 30<sup>th</sup> of each year. It shall only operate during this period when all other mill boilers are shutdown (or in the process of shutting down) due to repair or maintenance. The refinery package boiler shall not fire more than 63,240 gallons of authorized oil during the authorized period of operation. [Rule 62-210.200(PTE), F.A.C. and Application No. 0510003-045-AC]

#### EMISSIONS STANDARDS

5. Opacity Standard: As determined by EPA method 9, visible emissions shall not exceed 20% opacity except for one six-minute period per hour during which opacity shall not exceed 27%. [Rule 62-296.406, F.A.C.]
6. BACT Determinations: Particulate matter and sulfur dioxide emissions shall be minimized by the efficient combustion of distillate oil containing a maximum fuel sulfur content of 0.05% by weight. [Rule 62-296.406, F.A.C.]

#### TESTING REQUIREMENTS

7. Initial Compliance Tests: In accordance with EPA Method 9, the refinery package boiler shall be tested to demonstrate initial compliance with the visible emissions standard. The initial test shall be conducted within 60 days after achieving permitted capacity, but at least during the initial refinery season (June 1<sup>st</sup> through September 30<sup>th</sup>) in which it is operated. [Rules 62-4.070(3) and 62-297.310(7)(a)1, F.A.C.]
8. Annual Compliance Tests: During each refinery season (June 1<sup>st</sup> through September 30<sup>th</sup>) in which it is operated, the refinery package boiler shall be tested to demonstrate compliance with the visible emissions standard in accordance with EPA Method 9. [Rule 62-297.310(7)(a)4, F.A.C.]
9. Test Requirements: The permittee shall notify the Compliance Authority in writing at least 15 days prior to any required tests. Tests shall be conducted in accordance with the applicable requirements specified in Appendix D (Common Testing Requirements) of this permit. [Rule 62-297.310(7)(a)9, F.A.C.]

## SECTION 3. EMISSIONS UNIT SPECIFIC CONDITIONS

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### A. Refinery Package Boiler (EU-035)

#### OPERATIONAL RECORDS

10. Fuel Consumption Records: The permittee shall install and operate a fuel flow meter to monitor the amount of distillate oil and on-specification used oil fired in the boiler. For each month during the refinery season, the permittee shall maintain monthly written records of the amount of oil fired. The records shall be used to demonstrate compliance with the limitation on oil firing and to prepare the Annual Operating Report. [Rules 62-4.070(3) and 62-210.370(3), F.A.C.]
11. Fuel Analysis Records: For each distillate oil delivery, the permittee shall maintain records of: the date, the gallons delivered, and a certified fuel oil analysis from the vendor including the heating value (Btu/lb), density (pounds/gallon) and sulfur content (percent by weight). The following methods are approved analytical methods for determining these characteristics: ASTM Method D-129, ASTM D-1552, ASTM D-2622, and ASTM D-4294. Other equivalent ASTM methods or Department-approved methods are also acceptable. On-specification used oil shall meet the additional requirements specified in Appendix E of this permit. [Rules 62-4.070(3) and 62-296.406(BACT), F.A.C.]

#### RECORDS, NOTIFICATIONS AND REPORTS

12. Test Reports: The permittee shall prepare and submit reports for all required tests in accordance with the requirements specified in Appendix D of this permit. For each test run, the report shall also indicate the actual heat input rate to the boiler. [Rule 62-297.310(8), F.A.C.]
13. Notification: Within three days of bringing a rental boiler on site, the permittee shall notify the Compliance Authority of the following: make and model, maximum heat input rate (MMBtu/hour), the applicability of NSPS Subpart Dc, and preliminary plans for conducting a visible emissions test. [Rule 62-4-070(3), F.A.C.]

#### OTHER APPLICABLE REQUIREMENTS

14. Federal Requirements: If the boiler was originally constructed, modified or reconstructed after June 9, 1989, it is subject to and shall comply with the applicable federal requirements in NSPS Subpart Dc of 40 CFR 60. The boiler will be a rental unit and may be a different unit each year. See Appendix F of this permit. [Rule 62-204.800, F.A.C. and Subpart Dc of 40 CFR 60]

## SECTION 4. APPENDICES

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### Contents

Appendix A. Citation Formats and Glossary of Common Terms

Appendix B. General Conditions

Appendix C. Common Conditions

Appendix D. Common Testing Requirements

Appendix E. On-Specification Used Oil Requirements

Appendix F. NSPS Subpart Dc Provisions

**SECTION 4. APPENDIX A**  
**Citation Formats and Glossary of Common Terms**

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**CITATION FORMATS**

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

**Old Permit Numbers**

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

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

**New Permit Numbers**

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

Where: "099" represents the specific county ID number in which the project is located  
"2222" represents the specific facility ID number for that county  
"001" identifies the specific permit project number  
"AC" identifies the permit as an air construction permit  
"AF" identifies the permit as a minor source federally enforceable state operation permit  
"AO" identifies the permit as a minor source air operation permit  
"AV" identifies the permit as a major Title V air operation permit

**PSD Permit Numbers**

Example: Permit No. PSD-FL-317

Where: "PSD" means issued pursuant to the preconstruction review requirements of the Prevention of Significant Deterioration of Air Quality  
"FL" means that the permit was issued by the State of Florida  
"317" identifies the specific permit project number

**Florida Administrative Code (F.A.C.)**

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

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

**Code of Federal Regulations (CFR)**

Example: [40 CFR 60.7]

Means: Title 40, Part 60, Section 7

**GLOSSARY OF COMMON TERMS**

° F: degrees Fahrenheit

**acfm:** actual cubic feet per minute

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

**BACT:** best available control technology

**Btu:** British thermal units

**CAM:** compliance assurance monitoring

**CEMS:** continuous emissions monitoring system

**cfm:** cubic feet per minute

**CFR:** Code of Federal Regulations

**CO:** carbon monoxide

**COMS:** continuous opacity monitoring system

## SECTION 4. APPENDIX A

### Citation Formats and Glossary of Common Terms

**DEP:** Department of Environmental Protection

**Department:** Department of Environmental Protection

**dscfm:** dry standard cubic feet per minute

**EPA:** Environmental Protection Agency

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

**EU:** emissions unit

**F.A.C.:** Florida Administrative Code

**F.D.:** forced draft

**F.S.:** Florida Statutes

**FGR:** flue gas recirculation

**Fl:** fluoride

**ft<sup>2</sup>:** square feet

**ft<sup>3</sup>:** cubic feet

**gpm:** gallons per minute

**gr:** grains

**HAP:** hazardous air pollutant

**Hg:** mercury

**I.D.:** induced draft

**ID:** identification

**kPa:** kilopascals

**lb:** pound

**MACT:** maximum achievable technology

**MMBtu:** million British thermal units

**MSDS:** material safety data sheets

**MW:** megawatt

**NESHAP:** National Emissions Standards for Hazardous Air Pollutants

**NO<sub>x</sub>:** nitrogen oxides

**NSPS:** New Source Performance Standards

**O&M:** operation and maintenance

**O<sub>2</sub>:** oxygen

**Pb:** lead

**PM:** particulate matter

**PM<sub>10</sub>:** particulate matter with a mean aerodynamic diameter of 10 microns or less

**PSD:** prevention of significant deterioration

**psi:** pounds per square inch

**PTE:** potential to emit

**RACT:** reasonably available control technology

**RATA:** relative accuracy test audit

**SAM:** sulfuric acid mist

**scf:** standard cubic feet

**scfm:** standard cubic feet per minute

**SIC:** standard industrial classification code

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

**SO<sub>2</sub>:** sulfur dioxide

**TPH:** tons per hour

**TPY:** tons per year

**UTM:** Universal Transverse Mercator coordinate system

**VE:** visible emissions

**VOC:** volatile organic compounds

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**SECTION 4. APPENDIX B**

**General Conditions**

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The permittee shall comply with the following general conditions from Rule 624.160, F.A.C.

1. The terms, conditions, requirements, limitations, and restrictions set forth in this permit are "Permit Conditions" and are binding and enforceable pursuant to Sections 403.161, 403.727, or 403.859 through 403.861, F.S. The permittee is placed on notice that the Department will review this permit periodically and may initiate enforcement action for any violation of these conditions.
2. This permit is valid only for the specific processes and operations applied for and indicated in the approved drawings or exhibits. Any unauthorized deviation from the approved drawings, exhibits, specifications, or conditions of this permit may constitute grounds for revocation and enforcement action by the Department.
3. As provided in Subsections 403.087(6) and 403.722(5), F.S., the issuance of this permit does not convey and vested rights or any exclusive privileges. Neither does it authorize any injury to public or private property or any invasion of personal rights, nor any infringement of federal, state or local laws or regulations. This permit is not a waiver or approval of any other Department permit that may be required for other aspects of the total project which are not addressed in the permit.
4. This permit conveys no title to land or water, does not constitute State recognition or acknowledgment of title, and does not constitute authority for the use of submerged lands unless herein provided and the necessary title or leasehold interests have been obtained from the State. Only the Trustees of the Internal Improvement Trust Fund may express State opinion as to title.
5. This permit does not relieve the permittee from liability for harm or injury to human health or welfare, animal, or plant life, or property caused by the construction or operation of this permitted source, or from penalties therefore; nor does it allow the permittee to cause pollution in contravention of F.S. and Department rules, unless specifically authorized by an order from the Department.
6. The permittee shall properly operate and maintain the facility and systems of treatment and control (and related appurtenances) that are installed or used by the permittee to achieve compliance with the conditions of this permit, as required by Department rules. This provision includes the operation of backup or auxiliary facilities or similar systems when necessary to achieve compliance with the conditions of the permit and when required by Department rules.
7. The permittee, by accepting this permit, specifically agrees to allow authorized Department personnel, upon presentation of credentials or other documents as may be required by law and at a reasonable time, access to the premises, where the permitted activity is located or conducted to:
  - a. Have access to and copy and records that must be kept under the conditions of the permit;
  - b. Inspect the facility, equipment, practices, or operations regulated or required under this permit, and,
  - c. Sample or monitor any substances or parameters at any location reasonably necessary to assure compliance with this permit or Department rules.

Reasonable time may depend on the nature of the concern being investigated.

8. If, for any reason, the permittee does not comply with or will be unable to comply with any condition or limitation specified in this permit, the permittee shall immediately provide the Department with the following information:
  - a. A description of and cause of non-compliance; and
  - b. The period of noncompliance, including dates and times; or, if not corrected, the anticipated time the non-compliance is expected to continue, and steps being taken to reduce, eliminate, and prevent recurrence of the non-compliance.

The permittee shall be responsible for any and all damages which may result and may be subject to enforcement action by the Department for penalties or for revocation of this permit.

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

## SECTION 4. APPENDIX B

### General Conditions

10. The permittee agrees to comply with changes in Department rules and F.S. after a reasonable time for compliance, provided, however, the permittee does not waive any other rights granted by F.S. or Department rules.
11. This permit is transferable only upon Department approval in accordance with Rules 62-4.120 and 62-730.300, F.A.C., as applicable. The permittee shall be liable for any non-compliance of the permitted activity until the transfer is approved by the Department.
12. This permit or a copy thereof shall be kept at the work site of the permitted activity.
13. This permit also constitutes:
  - a. Determination of Best Available Control Technology (Rule 62-296.406, F.A.C.);
  - b. Determination of Prevention of Significant Deterioration (not applicable); and
  - c. Compliance with New Source Performance Standards (Subpart Dc in 40 CFR 60).
14. The permittee shall comply with the following:
  - a. Upon request, the permittee shall furnish all records and plans required under Department rules. During enforcement actions, the retention period for all records will be extended automatically unless otherwise stipulated by the Department.
  - b. The permittee shall hold at the facility or other location designated by this permit records of all monitoring information (including all calibration and maintenance records and all original strip chart recordings for continuous monitoring instrumentation) required by the permit, copies of all reports required by this permit, and records of all data used to complete the application or this permit. These materials shall be retained at least three years from the date of the sample, measurement, report, or application unless otherwise specified by Department rule.
  - c. Records of monitoring information shall include:
    - 1) The date, exact place, and time of sampling or measurements;
    - 2) The person responsible for performing the sampling or measurements;
    - 3) The dates analyses were performed;
    - 4) The person responsible for performing the analyses;
    - 5) The analytical techniques or methods used; and
    - 6) The results of such analyses.
15. When requested by the Department, the permittee shall within a reasonable time furnish any information required by law which is needed to determine compliance with the permit. If the permittee becomes aware that relevant facts were not submitted or were incorrect in the permit application or in any report to the Department, such facts or information shall be corrected promptly.

## SECTION 4. APPENDIX C

### Common Conditions

Unless otherwise specified in the permit, the following conditions apply to all emissions units and activities at the facility.

#### EMISSIONS AND CONTROLS

1. Plant Operation - Problems: If temporarily unable to comply with any of the conditions of the permit due to breakdown of equipment or destruction by fire, wind or other cause, the permittee shall notify each Compliance Authority as soon as possible, but at least within one working day, excluding weekends and holidays. The notification shall include: pertinent information as to the cause of the problem; steps being taken to correct the problem and prevent future recurrence; and, where applicable, the owner's intent toward reconstruction of destroyed facilities. Such notification does not release the permittee from any liability for failure to comply with the conditions of this permit or the regulations. [Rule 62-4.130, F.A.C.]
2. Circumvention: The permittee shall not circumvent the air pollution control equipment or allow the emission of air pollutants without this equipment operating properly. [Rule 62-210.650, F.A.C.]
3. Excess Emissions Allowed: 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.]
4. Excess Emissions Prohibited: Excess emissions caused entirely or in part by poor maintenance, poor operation, or any other equipment or process failure that may reasonably be prevented during startup, shutdown or malfunction shall be prohibited. [Rule 62-210.700(4), F.A.C.]
5. Excess Emissions - Notification: In case of excess emissions resulting from malfunctions, the permittee shall notify the Department or the appropriate Local Program in accordance with Rule 62-4.130, F.A.C. A full written report on the malfunctions shall be submitted in a quarterly report, if requested by the Department. [Rule 62-210.700(6), F.A.C.]
6. VOC or OS Emissions: No person shall 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. [Rule 62-296.320(1), F.A.C.]
7. Objectionable Odor Prohibited: No person shall cause, suffer, allow or permit the discharge of air pollutants, which cause or contribute to an objectionable odor. An "objectionable odor" means any odor present in the outdoor atmosphere which by itself or in combination with other odors, is or may be harmful or injurious to human health or welfare, which unreasonably interferes with the comfortable use and enjoyment of life or property, or which creates a nuisance. [Rules 62-296.320(2) and 62-210.200(Definitions), F.A.C.]
8. General Visible Emissions: No person shall cause, let, permit, suffer or allow to be discharged into the atmosphere the emissions of air pollutants from any activity equal to or greater than 20% opacity. This regulation does not impose a specific testing requirement. [Rule 62-296.320(4)(b)1, F.A.C.]
9. Unconfined Particulate Emissions: During the construction period, unconfined particulate matter emissions shall be minimized by dust suppressing techniques such as covering and/or application of water or chemicals to the affected areas, as necessary. [Rule 62-296.320(4)(c), F.A.C.]

*{Permitting Note: Rule 62-210.700 (Excess Emissions), F.A.C., cannot vary any NSPS or NESHAP provision.}*

#### RECORDS AND REPORTS

10. Records Retention: All measurements, records, and other data required by this permit shall be documented in a permanent, legible format and retained for at least 5 years following the date on which such measurements, records, or data are recorded. Records shall be made available to the Department upon request. [Rule 62-213.440(1)(b)2, F.A.C.]
11. Annual Operating Report: The permittee shall submit an annual report that summarizes the actual operating rates and emissions from this facility. Annual operating reports shall be submitted to the Compliance Authority by March 1st of each year. [Rule 62-210.370(3), F.A.C.]



**SECTION 4. APPENDIX D**  
**Common Testing Requirements**

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Unless otherwise specified in the permit, the following testing requirements apply to all emissions units at the facility.

**COMPLIANCE TESTING REQUIREMENTS**

1. Operating Rate During Testing: Testing of emissions shall be conducted with the emissions unit operating at permitted capacity. If it is impractical to test at permitted capacity, an emissions unit may be tested at less than the maximum permitted capacity; in this case, subsequent emissions unit operation is limited to 110 percent of the test rate until a new test is conducted. Once the unit is so limited, operation at higher capacities is allowed for no more than 15 consecutive days for the purpose of additional compliance testing to regain the authority to operate at the permitted capacity. Permitted capacity is defined as 90 to 100 percent of the maximum operation rate allowed by the permit. [Rule 62-297.310(2), F.A.C.]
2. Applicable Test Procedures - Opacity Compliance Tests. When either EPA Method 9 or DEP Method 9 is specified as the applicable opacity test method, the required minimum period of observation for a compliance test shall be sixty (60) minutes for emissions units which emit or have the potential to emit 100 tons per year or more of particulate matter, and thirty (30) minutes for emissions units which have potential emissions less than 100 tons per year of particulate matter and are not subject to a multiple-valued opacity standard. The opacity test observation period shall include the period during which the highest opacity emissions can reasonably be expected to occur. Exceptions to these requirements are as follows:
  - a. For batch, cyclical processes, or other operations which are normally completed within less than the minimum observation period and do not recur within that time, the period of observation shall be equal to the duration of the batch cycle or operation completion time.
  - b. The observation period for special opacity tests that are conducted to provide data to establish a surrogate standard pursuant to Rule 62-297.310(5)(k), F.A.C., Waiver of Compliance Test Requirements, shall be established as necessary to properly establish the relationship between a proposed surrogate standard and an existing mass emission limiting standard.
  - c. The minimum observation period for opacity tests conducted by employees or agents of the Department to verify the day-to-day continuing compliance of a unit or activity with an applicable opacity standard shall be twelve minutes.

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

3. Determination of Process Variables
  - a. *Required Equipment*. The owner or operator of an emissions unit for which compliance tests are required shall install, operate, and maintain equipment or instruments necessary to determine process variables, such as process weight input or heat input, when such data are needed in conjunction with emissions data to determine the compliance of the emissions unit with applicable emission limiting standards.
  - b. *Accuracy of Equipment*. Equipment or instruments used to directly or indirectly determine process variables, including devices such as belt scales, weight hoppers, flow meters, and tank scales, shall be calibrated and adjusted to indicate the true value of the parameter being measured with sufficient accuracy to allow the applicable process variable to be determined within 10% of its true value.

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

4. Frequency of Compliance Tests: The following provisions apply only to those emissions units that are subject to an emissions limiting standard for which compliance testing is required.
  - a. *General Compliance Testing*.
    1. The owner or operator of a new or modified emissions unit that is subject to an emission limiting standard shall conduct a compliance test that demonstrates compliance with the applicable emission limiting standard prior to obtaining an operation permit for such emissions unit.
    2. The owner or operator of an emissions unit that is subject to any emission limiting standard shall conduct a compliance test that demonstrates compliance with the applicable emission limiting standard prior to obtaining a renewed operation permit. Emissions units that are required to conduct an annual compliance test may submit the most recent annual compliance test to satisfy the requirements of this provision. In renewing an air

**SECTION 4. APPENDIX D**  
**Common Testing Requirements**

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operation permit pursuant to sub-subparagraph 62-210.300(2)(a)3.b., c., or d., F.A.C., the Department shall not require submission of emission compliance test results for any emissions unit that, during the year prior to renewal:

- (a) Did not operate; or
  - (b) In the case of a fuel burning emissions unit, burned liquid and/or solid fuel for a total of no more than 400 hours,
3. 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 visible emissions, if there is an applicable standard.
  4. The owner or operator shall notify the Department, at least 15 days prior to the date on which each formal compliance test is to begin, of the date, time, and place of each such test, and the test contact person who will be responsible for coordinating and having such test conducted for the owner or operator.
- b. *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), F.A.C.]

**RECORDS AND REPORTS**

5. Test Reports: 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. 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. 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 shall provide the following information.
  - a. The type, location, and designation of the emissions unit tested.
  - b. The facility at which the emissions unit is located.
  - c. The owner or operator of the emissions unit.
  - d. 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.
  - e. 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.
  - f. The date, starting time and end time of the observation.
  - g. The test procedures used.
  - h. The names of individuals who furnished the process variable data, conducted the test, and prepared the report.
  - i. 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.
  - j. A certification that, to the knowledge of the owner or his authorized agent, all data submitted are true and correct. 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.]

**SECTION 4. APPENDIX E**  
**On-Specification Used Oil Requirements**

The permittee shall comply with the following requirements for on-specification used oil.

1. **Specifications for Used Oil:** Only “on-specification” used oil containing a polychlorinated biphenyls (PCB) concentration of less than 50 ppm shall be fired at this facility.

a. “On-specification” used oil is defined as used oil that meets the specifications of 40 CFR 279 (Standards for the Management of Used Oil) as listed below.

Constituent/Property	Allowable Level
Arsenic	5 ppm, maximum
Cadmium	2 ppm, maximum
Chromium	10 ppm, maximum
Lead	100 ppm, maximum
Total Halogens	1000 ppm, maximum
Flash point	100° F, minimum

Used oil which fails to comply with any of these specification levels is considered “offspecification” used oil. The firing of off-specification used oil at this facility is prohibited.

b. Used oil containing a PCB concentration of 50 ppm or more shall not be fired at this facility and shall not be blended to meet this requirement.

c. On-specification used oil with a PCB concentration of 2 ppm to less than 50 ppm shall be fired only at normal unit operating temperatures and shall not be fired during periods of startup or shutdown.

d. On-specification used oil with a PCB concentration of 2 ppm or less may be fired at any time.

e. On-specification used oil shall meet the maximum sulfur content specified in the permit.

[40 CFR 279.61]

2. **Used Oil Certifications:** For each delivery of used oil, the owner or operator shall receive from the marketer a certification that the used oil meets the specifications for “on-specification” used oil and that it contains a PCB concentration of less than 50 ppm. This certification shall also describe the basis for the certification, such as analytical results. Used oil to be fired for energy recovery is presumed to contain quantifiable levels (2 ppm) of PCB unless the marketer obtains analyses (testing) or other information that the used oil fuel does not contain quantifiable levels of PCBs. Note that a claim that used oil does not contain quantifiable levels of PCBs (<2 ppm) must be documented by analysis or other information. The first person making the claim that the used oil does not contain PCBs is responsible for furnishing the documentation. The documentation can be tests, personal or special knowledge of the source and composition of the used oil, or a certification from the person generating the used oil claiming that the used oil contains no detectable PCBs. [40 CFR 761.20]

3. **Notification to Marketers:** Before accepting from each marketer the first shipment of on-specification used oil with a PCB concentration of 2 to less than 50 ppm, the owner or operator shall provide each marketer with a onetime written and signed notice certifying that the owner or operator will fire the used oil in a qualified combustion device and must identify the class of combustion device. The notice must state that EPA or a RCRA-delegated state agency has been given a description of the used oil management activities at the facility and that an industrial boiler or furnace will be used to fire the used oil with a PCB concentration of 2 to 49 ppm. The description of the used oil management activities may be submitted to the Administrator, Hazardous Waste Regulation Section, Florida Department of Environmental Protection, 2600 Blair Stone Road, Tallahassee, FL 32399-2400. [40 CFR 761.20(e)]

4. **Sampling and Analysis:**

a. If the owner or operator does not receive certification from the marketer as described above, the owner or operator shall sample and analyze each batch of used oil to be fired for the following parameters: arsenic, cadmium, chromium, lead, total halogens, flash point, PCBs, and percent sulfur content by weight, ash, and BTU value (BTU per gallon).

**SECTION 4. APPENDIX E**

**On-Specification Used Oil Requirements**

- b. If the owner or operator receives the required certification from the marketer, the owner or operator shall sample at least one delivery of used oil received each calendar quarter and analyze the sample for arsenic, cadmium, chromium, lead, total halogens, flash point, PCBs, and percent sulfur content by weight, ash, and BTU value (BTU per gallon).
- c. Sampling and analysis shall be performed using approved methods specified in the latest edition of EPA Publication SW-846, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods.
- d. If the analytical results show that the used oil does not meet the specifications for on-specification used oil, or that it contains a PCB concentration of 50 ppm or greater, the owner or operator shall immediately cease firing the used oil. The owner or operator shall also immediately notify the appropriate Compliance Authority of the analytical results and indicate the proposed means of disposal of the used oil.

[Rule 62-4.070(3), F.A.C.; 40 CFR Parts 279 and 761]

5. Used Oil Recordkeeping Required: The owner or operator shall obtain, make, and keep the following records related to the use of used oil in a form suitable for inspection at the facility by the Compliance Authority:
- a. Within 15 days following each calendar month, record the gallons of on-specification used oil received and fired during the previous calendar month and the previous 12 calendar months.
  - b. The name and address of all marketers delivering used oil to the facility.
  - c. Copies of the marketer certifications and any supporting information.
  - d. If claimed, documentation that the used oil contains less than 2 ppm of PCBs, including the name and address of the person making the claim.
  - e. Results of any sampling/analyses conducted.
  - f. A copy of the notice to EPA and a copy of the one-time written notice provided to each marketer.

[Rule 62-4.070(3), F.A.C.; 40 CFR 279.61; and, 40 CFR 761.20(e)]

6. Used Oil Reporting Required: Within 30 days following each calendar quarter, the owner or operator shall submit to the appropriate Compliance Authority, the analytical results and the total amount of on-specification used oil received and fired during the quarter. [Rule 62-4.070(3), F.A.C.; 40 CFR Parts 279 and 761]

**SECTION 4. APPENDIX F**  
**NSPS Subpart Dc Provisions**

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**NSPS Subpart Dc in 40 CFR 60**

**Standards of Performance for Small Industrial-Commercial-Institutional Steam Generating Units**

*If the rental package boiler for the refinery (EU-035) was originally constructed after June 9, 1989, the following regulations are applicable. The unit is permitted to fire only distillate oil that will meet the fuel sulfur limitations of NSPS Subpart Dc and will demonstrate compliance by maintaining fuel supplier certifications. Requirements that are not applicable have been omitted, but the original numbering has been maintained for ease of reference.*

**§ 60.40c Applicability and delegation of authority.**

- (a) Except as provided in paragraph (d) of this section, the affected facility to which this subpart applies is each steam generating unit for which construction, modification, or reconstruction is commenced after June 9, 1989 and that has a maximum design heat input capacity of 29 megawatts (MW) (100 million British thermal units per hour (MMBtu/hr)) or less, but greater than or equal to 2.9 MW (10 MMBtu/hr).
- (b) In delegating implementation and enforcement authority to a State under section 111(c) of the Clean Air Act, §60.48c(a)(4) shall be retained by the Administrator and not transferred to a State.

**§ 60.41c Definitions.**

*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 (incorporated by reference, see §60.17).

*Heat input* means heat derived from combustion of fuel in a steam generating unit and does not include the heat derived from preheated combustion air, recirculated flue gases, or exhaust gases from other sources (such as stationary gas turbines, internal combustion engines, and kilns).

*Maximum design heat input capacity* means the ability of a steam generating unit to combust a stated maximum amount of fuel (or combination of fuels) on a steady state basis as determined by the physical design and characteristics of the steam generating unit.

*Oil* means crude oil or petroleum, or a liquid fuel derived from crude oil or petroleum, including distillate and residual oil.

*Steam generating unit* means a device that combusts any fuel and produces steam or heats water or any other heat transfer medium. This term includes any duct burner that combusts fuel and is part of a combined cycle system. This term does not include process heaters as defined in this subpart.

**§ 60.42c Standard for sulfur dioxide (SO<sub>2</sub>).**

- (d) On and after the date on which the initial performance test is completed or required to be completed under §60.8, whichever date comes first, no owner or operator of an affected facility that combusts oil shall combust oil in the affected facility that contains greater than 0.5 weight percent sulfur. The percent reduction requirements are not applicable to affected facilities under this paragraph.
- (h) For affected facilities listed under paragraphs (h)(1), (2), or (3) of this section, compliance with the emission limits or fuel oil sulfur limits under this section may be determined based on a certification from the fuel supplier, as described under §60.48c(f), as applicable.
  - (1) Distillate oil-fired affected facilities with heat input capacities between 2.9 and 29 MW (10 and 100 MMBtu/hr).
- (i) The SO<sub>2</sub> emission limits, fuel oil sulfur limits, and percent reduction requirements under this section apply at all times, including periods of startup, shutdown, and malfunction.

**§ 60.43c Standard for particulate matter (PM).**

- (e) (4) On and after the date on which the initial performance test is completed or is required to be completed under §60.8, whichever date comes first, an owner or operator of an affected facility that commences construction, reconstruction, or modification after February 28, 2005, and that combusts only oil that contains no more than 0.50 weight percent sulfur or a mixture of 0.50 weight percent sulfur oil with other fuels not subject to a PM standard under §60.43c and not using a post-combustion technology (except a wet scrubber) to reduce PM or SO<sub>2</sub> emissions is not subject to the PM limit in this section.

**SECTION 4. APPENDIX F**  
**NSPS Subpart Dc Provisions**

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**§ 60.44c Compliance and performance test methods and procedures for sulfur dioxide.**

- (h) For affected facilities subject to §60.42c(h)(1), (2), or (3) where the owner or operator seeks to demonstrate compliance with the SO<sub>2</sub> standards based on fuel supplier certification, the performance test shall consist of the certification, the certification from the fuel supplier, as described under §60.48c(f), as applicable.

**§ 60.45c Compliance and performance test methods and procedures for particulate matter.**

- (d) The owner or operator of an affected facility seeking to demonstrate compliance under §60.43c(e)(4) shall follow the applicable procedures under §60.48c(f).

**§ 60.46c Emission monitoring for sulfur dioxide.**

- (e) The monitoring requirements of paragraphs (a) and (d) of this section shall not apply to affected facilities subject to §60.42c(h) (1), (2), or (3) where the owner or operator of the affected facility seeks to demonstrate compliance with the SO<sub>2</sub> standards based on fuel supplier certification, as described under §60.48c(f), as applicable.

**§ 60.47c Emission monitoring for particulate matter.**

- (c) Affected facilities that burn only distillate oil that contains no more than 0.5 weight percent sulfur and/or liquid or gaseous fuels with potential sulfur dioxide emission rates of 26 ng/J (0.06 lb/MMBtu) heat input or less and that do not use a post-combustion technology to reduce SO<sub>2</sub> or PM emissions are not required to operate a CEMS for measuring opacity if they follow the applicable procedures under §60.48c(f).

**§ 60.48c Reporting and recordkeeping requirements.**

- (a) The owner or operator of each affected facility shall submit notification of the date of construction or reconstruction and actual startup, as provided by §60.7 of this part. This notification shall include:
- (1) The design heat input capacity of the affected facility and identification of fuels to be combusted in the affected facility.
  - (2) If applicable, a copy of any federally enforceable requirement that limits the annual capacity factor for any fuel or mixture of fuels under §60.42c, or §60.43c.
  - (3) The annual capacity factor at which the owner or operator anticipates operating the affected facility based on all fuels fired and based on each individual fuel fired.
  - (4) Notification if an emerging technology will be used for controlling SO<sub>2</sub> emissions. The Administrator will examine the description of the control device and will determine whether the technology qualifies as an emerging technology. In making this determination, the Administrator may require the owner or operator of the affected facility to submit additional information concerning the control device. The affected facility is subject to the provisions of §60.42c(a) or (b)(1), unless and until this determination is made by the Administrator.
- (d) The owner or operator of each affected facility subject to the SO<sub>2</sub> emission limits, fuel oil sulfur limits, or percent reduction requirements under §60.42c shall submit reports to the Administrator.
- (e) The owner or operator of each affected facility subject to the SO<sub>2</sub> emission limits, fuel oil sulfur limits, or percent reduction requirements under §60.42c shall keep records and submit reports as required under paragraph (d) of this section, including the following information, as applicable.
- (1) Calendar dates covered in the reporting period.
  - (11) If fuel supplier certification is used to demonstrate compliance, records of fuel supplier certification is used to demonstrate compliance, records of fuel supplier certification as described under paragraph (f)(1), (2), (3), or (4) of this section, as applicable. In addition to records of fuel supplier certifications, the report shall include a certified statement signed by the owner or operator of the affected facility that the records of fuel supplier certifications submitted represent all of the fuel combusted during the reporting period.
- (f) Fuel supplier certification shall include the following information:
- (1) For distillate oil:

**SECTION 4. APPENDIX F**  
**NSPS Subpart Dc Provisions**

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- (i) The name of the oil supplier;
  - (ii) A statement from the oil supplier that the oil complies with the specifications under the definition of distillate oil in §60.41c; and
  - (iii) The sulfur content of the oil.
- (g) (2) As an alternative to meeting the requirements of paragraph (g)(1) of this section, the owner or operator of an affected facility that combusts only natural gas, wood, fuels using fuel certification in §60.48c(f) to demonstrate compliance with the SO<sub>2</sub> standard, fuels not subject to an emissions standard (excluding opacity), or a mixture of these fuels may elect to record and maintain records of the amount of each fuel combusted during each calendar month.
- (i) All records required under this section shall be maintained by the owner or operator of the affected facility for a period of two years following the date of such record.
  - (j) The reporting period for the reports required under this subpart is each six-month period. All reports shall be submitted to the Administrator and shall be postmarked by the 30th day following the end of the reporting period.

**Harvey, Mary**

**From:** Harvey, Mary  
**Sent:** Thursday, June 12, 2008 10:45 AM  
**To:** 'Mr. Neil Smith, U.S. Sugar Corporation'; 'Mr. Keith Tingberg, U.S. Sugar Corporation'; 'Mr. David Buff, Golder Associates'; Satyal, Ajaya  
**Cc:** Koerner, Jeff; Gibson, Victoria; Walker, Elizabeth (AIR)  
**Subject:** Final Permit No. 0510003-045-AC - U.S. Sugar Corporation - Clewiston Sugar Mill and Refinery  
**Attachments:** 0510003-045-AC - Appendix.PDF; 0510003-045-AC - Final Determination.PDF; 0510003-045-AC - Final Permit.PDF; 0510003-045-AC - Notice of Final Permit.PDF; Document.pdf

Tracking:	Recipient	Delivery
	'Mr. Neil Smith, U.S. Sugar Corporation'	
	'Mr. Keith Tingberg, U.S. Sugar Corporation'	
	'Mr. David Buff, Golder Associates'	
	Satyal, Ajaya	Delivered: 6/12/2008 10:45 AM
	Koerner, Jeff	Delivered: 6/12/2008 10:45 AM
	Gibson, Victoria	Delivered: 6/12/2008 10:45 AM
	Walker, Elizabeth (AIR)	Delivered: 6/12/2008 10:45 AM

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Thank you,

DEP, Bureau of Air Regulation

6/12/2008



## Harvey, Mary

---

**From:** Keith Tingberg [ktingberg@ussugar.com]  
**Sent:** Thursday, June 12, 2008 10:46 AM  
**To:** Harvey, Mary  
**Subject:** RE: Final Permit No. 0510003-045-AC - U.S. Sugar Corporation - Clewiston Sugar Mill and Refinery

**Keith Tingberg**  
Environmental Manager  
U.S. Sugar Corporation  
ktingberg@ussugar.com  
111 Ponce de Leon Avenue  
Clewiston, FL 33440  
Office: (863) 902-3186  
Cell: (863) 233-1297  
Fax: (863) 902-3149

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**From:** Harvey, Mary [mailto:Mary.Harvey@dep.state.fl.us]  
**Sent:** Thursday, June 12, 2008 10:45 AM  
**To:** Neil Smith; Keith Tingberg; Mr. David Buff, Golder Associates; Satyal, Ajaya  
**Cc:** Koerner, Jeff; Gibson, Victoria; Walker, Elizabeth (AIR)  
**Subject:** Final Permit No. 0510003-045-AC - U.S. Sugar Corporation - Clewiston Sugar Mill and Refinery

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Thank you,

DEP, Bureau of Air Regulation

6/12/2008

## Harvey, Mary

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**From:** Buff, Dave [DBuff@GOLDER.com]  
**To:** undisclosed-recipients  
**Sent:** Thursday, June 12, 2008 4:59 PM  
**Subject:** Read: Final Permit No. 0510003-045-AC - U.S. Sugar Corporation - Clewiston Sugar Mill and Refinery

Your message

To: DBuff@GOLDER.com  
Subject:

was read on 6/12/2008 4:59 PM.

## Harvey, Mary

---

**From:** Neil Smith [nsmith@ussugar.com]  
**To:** Harvey, Mary  
**Sent:** Thursday, June 12, 2008 11:18 AM  
**Subject:** Read: Final Permit No. 0510003-045-AC - U.S. Sugar Corporation - Clewiston Sugar Mill and Refinery

Your message

**To:** nsmith@ussugar.com  
**Subject:**

was read on 6/12/2008 11:18 AM.

## Harvey, Mary

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**From:** Lisa Pickron [lpickron@ussugar.com]  
**To:** Harvey, Mary  
**Sent:** Thursday, June 12, 2008 3:27 PM  
**Subject:** Read: Final Permit No. 0510003-045-AC - U.S. Sugar Corporation - Clewiston Sugar Mill and Refinery

Your message

To: lpickron@ussugar.com  
Subject:

was read on 6/12/2008 3:27 PM.

## Harvey, Mary

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**From:** Keith Tingberg [ktingberg@ussugar.com]  
**To:** Harvey, Mary  
**Sent:** Thursday, June 12, 2008 10:46 AM  
**Subject:** Read: Final Permit No. 0510003-045-AC - U.S. Sugar Corporation - Clewiston Sugar Mill and Refinery

Your message

To: ktingberg@ussugar.com  
Subject:

was read on 6/12/2008 10:46 AM.

**Harvey, Mary**

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**From:** Satyal, Ajaya  
**Sent:** Thursday, June 12, 2008 11:35 AM  
**To:** Harvey, Mary  
**Subject:** RE: Final Permit No. 0510003-045-AC - U.S. Sugar Corporation - Clewiston Sugar Mill and Refinery

Received, Thank you.

AJ

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**From:** Harvey, Mary  
**Sent:** Thursday, June 12, 2008 10:45 AM  
**To:** 'Mr. Neil Smith, U.S. Sugar Corporation'; 'Mr. Keith Tingberg, U.S. Sugar Corporation'; 'Mr. David Buff, Golder Associates'; Satyal, Ajaya  
**Cc:** Koerner, Jeff; Gibson, Victoria; Walker, Elizabeth (AIR)  
**Subject:** Final Permit No. 0510003-045-AC - U.S. Sugar Corporation - Clewiston Sugar Mill and Refinery

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Thank you,

DEP, Bureau of Air Regulation

6/12/2008

## Harvey, Mary

---

**From:** Satyal, Ajaya  
**To:** Harvey, Mary  
**Sent:** Thursday, June 12, 2008 11:34 AM  
**Subject:** Read: Final Permit No. 0510003-045-AC - U.S. Sugar Corporation - Clewiston Sugar Mill and Refinery

### Your message

**To:** 'Mr. Neil Smith, U.S. Sugar Corporation'; 'Mr. Keith Tingberg, U.S. Sugar Corporation'; 'Mr. David Buff, Golder Associates'; Satyal, Ajaya  
**Cc:** Koerner, Jeff; Gibson, Victoria; Walker, Elizabeth (AIR)  
**Subject:** Final Permit No. 0510003-045-AC - U.S. Sugar Corporation - Clewiston Sugar Mill and Refinery  
**Sent:** 6/12/2008 10:45 AM

was read on 6/12/2008 11:34 AM.

**Harvey, Mary**

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**From:** Neil Smith [nsmith@ussugar.com]  
**Sent:** Thursday, June 12, 2008 11:18 AM  
**To:** Harvey, Mary  
**Subject:** RE: Final Permit No. 0510003-045-AC - U.S. Sugar Corporation - Clewiston Sugar Mill and Refinery

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**From:** Harvey, Mary [mailto:Mary.Harvey@dep.state.fl.us]  
**Sent:** Thursday, June 12, 2008 10:45 AM  
**To:** Neil Smith; Keith Tingberg; Mr. David Buff, Golder Associates; Satyal, Ajaya  
**Cc:** Koerner, Jeff; Gibson, Victoria; Walker, Elizabeth (AIR)  
**Subject:** Final Permit No. 0510003-045-AC - U.S. Sugar Corporation - Clewiston Sugar Mill and Refinery

Dear Sir/Madam:

Please send a "reply" message verifying receipt of the attached document(s); this may be done by selecting "Reply" on the menu bar of your e-mail software and then selecting "Send". We must receive verification of receipt and your reply will preclude subsequent e-mail transmissions to verify receipt of the document(s).

The document(s) may require immediate action within a specified time frame. Please open and review the document(s) as soon as possible.

The document is in Adobe Portable Document Format (pdf). Adobe Acrobat Reader can be downloaded for free at the following internet site:  
<http://www.adobe.com/products/acrobat/readstep.html>.

The Bureau of Air Regulation is issuing electronic documents for permits, notices and other correspondence in lieu of hard copies through the United States Postal System, to provide greater service to the applicant and the engineering community. Please advise this office of any changes to your e-mail address or that of the Engineer-of-Record.

Thank you,

DEP, Bureau of Air Regulation

*The Department of Environmental Protection values your feedback as a customer. DEP Secretary Michael W. Sole is committed to continuously assessing and improving the level and quality of services provided to you. Please take a few minutes to comment on the quality of service you received. Simply click on [this link to the DEP Customer Survey](#). Thank you in advance for completing the survey.*

6/12/2008



# Memorandum

# Florida Department of Environmental Protection

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TO: Trina Vielhauer, Bureau of Air Regulation  
FROM: Jeff Koerner, New Source Review Section *JK*  
DATE: May 1, 2008  
SUBJECT: Draft Air Permit No. 0510003-045-AC  
U.S. Sugar Corporation, Clewiston Sugar Mill and Refinery  
Refinery Package Boiler

This project is subject to minor source preconstruction review. Attached for your review are the following items:

- Written Notice of Intent to Issue Air Permit;
- Public Notice of Intent to Issue Air Permit;
- Technical Evaluation and Preliminary Determination;
- Draft Permit with Appendices; and
- P.E. Certification.

The Draft Permit authorizes the installation of a package boiler to operate during the refinery season (June 1<sup>st</sup> through September 30<sup>th</sup>) when no other mill boilers are operating. The purpose is to support minimal operation of the packaging operations when the other units are down for repair or maintenance. I recommend your approval of the attached Draft Permit.

Attachments

TLV/jfk

**P.E. CERTIFICATION STATEMENT**

**PERMITTEE**

U.S. Sugar Corporation  
111 Ponce DeLeon Avenue  
Clewiston, FL 33440

Air Permit No. 0510003-045-AC  
Clewiston Sugar Mill and Refinery  
Hendry County, Florida

**PROJECT DESCRIPTION**

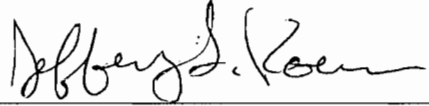
The applicant proposes to install and operate a 300 hp package boiler for a maximum of 744 hours per year during the refinery season (June 1<sup>st</sup> through September 30<sup>th</sup>). The boiler will be a rental unit brought on site during the refinery season to operate when all other mill boilers are shut down due to maintenance. The small boiler will be used to support the packaging operations. It will fire distillate oil or on-specification used oil fuel with a maximum sulfur content of 0.05% by weight at a maximum heat input rate of 12 MMBtu/hour. The exact make and model of the rental unit may be different each year.

The small boiler will be subject to Rule 62-296.406, F.A.C., which requires BACT determinations for PM and SO<sub>2</sub> emissions. For this project, BACT for PM and SO<sub>2</sub> is determined to be the use of distillate oil with a maximum fuel sulfur of 0.05% sulfur by weight. The rule also imposes an opacity standard of no more than 20% opacity except for one six-minute period per hour during which opacity shall not exceed 27%. Initial and annual compliance will be determined by EPA Method 9.

If the rental boiler was originally constructed, modified or reconstructed after June 9, 1989, it is subject to the applicable federal requirements in NSPS Subpart Dc of 40 CFR 60. However, since the applicant has proposed firing distillate oil with a maximum fuel sulfur content below the NSPS threshold (0.5% by weight), the boiler is subject to minimal notification and record keeping requirements such as fuel vendor certifications.

Based on a requested restriction of 63,240 gallons of distillate oil firing per year, potential emissions of each criteria pollutant will be less than one ton per year. Therefore, the project is not subject to PSD preconstruction review pursuant to Rule 62-212.400, F.A.C.

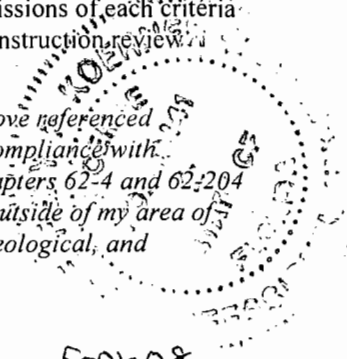
***I HEREBY CERTIFY** that the air pollution control engineering features described in the above referenced application and subject to the proposed permit conditions provide reasonable assurance of compliance with applicable provisions of Chapter 403, Florida Statutes, and Florida Administrative Code Chapters 62-4 and 62-204 through 62-297. However, I have not evaluated and I do not certify aspects of the proposal outside of my area of expertise (including, but not limited to, the electrical, mechanical, structural, hydrological, geological, and meteorological features).*



5-01-08

Jeffery F. Koerner, P.E.  
Registration Number: 49441

(Date)





# Florida Department of Environmental Protection

Bob Martinez Center  
2600 Blair Stone Road  
Tallahassee, Florida 32399-2400

Charlie Crist  
Governor

Jeff Kottkamp  
Lt. Governor

Michael W. Sole  
Secretary

May 5, 2008

Mr. Neil Smith  
V.P. of Sugar Processing Operations  
U.S. Sugar Corporation  
111 Ponce de Leon Avenue  
Clewiston, Florida 33440

Re: Air Construction Permit No. 0510003-045-AC  
U.S. Sugar Corporation, Clewiston Sugar Mill and Refinery  
Refinery Package Boiler

Dear Mr. Smith:

On March 25, 2008, you submitted an application requesting authorization to install and operate a small package boiler during the refinery season. This new unit will be installed at the existing Clewiston sugar mill and refinery, which is located in Hendry County. Enclosed are the following documents:

- Technical Evaluation and Preliminary Determination;
- Draft Permit and Appendices;
- Written Notice of Intent to Issue Air Permit; and
- Public Notice of Intent to Issue Air Permit.

The Public Notice of Intent to Issue Air Permit is the actual notice that you must have published in the legal advertisement section of a newspaper of general circulation in the area affected by this project. If you have any questions, please contact the Project Engineer, Jeff Koerner, at 850/921-9536.

Sincerely,

Trina Vielhauer, Chief  
Bureau of Air Regulation

Enclosures

## WRITTEN NOTICE OF INTENT TO ISSUE AIR PERMIT

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*In the Matter of an  
Application for Air Permit by:*

U.S. Sugar Corporation  
111 Ponce de Leon Avenue  
Clewiston, Florida 33440

Air Permit No. 0510003-045-AC  
Facility ID No. 0510003  
Clewiston Sugar Mill and Refinery  
Refinery Package Boiler  
Hendry County, Florida

*Authorized Representative:*

Mr. Neil Smith, V.P. of Sugar Processing Operations

**Facility Location:** U.S. Sugar Corporation operates the existing Clewiston sugar mill and refinery, which is located in Hendry County at the intersection of W.C. Owens Avenue and State Road 832 in Clewiston, Florida.

**Project:** The applicant, U.S. Sugar Corporation, proposes to install and operate a 300 horsepower package boiler at the existing facility. The boiler will be a rental unit brought on site during the refinery season (June 1<sup>st</sup> through September 30<sup>th</sup>) to operate when all other mill boilers are shut down due to repair or maintenance. The small boiler will be used to support the packaging operations. It will fire distillate oil or on-specification used oil fuel with a maximum sulfur content of 0.05% by weight at a maximum rate of 85 gallons per hour. The exact make and model of the rental unit may be different each year. Based on a requested restriction of 63,240 gallons of distillate oil firing per year, potential emissions of each criteria pollutant will be less than one ton per year. Therefore, the project is not subject to PSD preconstruction review pursuant to Rule 62-212.400 of the Florida Administrative Code (F.A.C.). Details of the project are provided in the application and the enclosed Technical Evaluation and Preliminary Determination.

**Permitting Authority:** Applications for air construction permits are subject to review in accordance with the provisions of Chapter 403, Florida Statutes (F.S.) and Chapters 62-4, 62-210, and 62-212 of the Florida Administrative Code (F.A.C.). The proposed project is not exempt from air permitting requirements and an air permit is required to perform the proposed work. The Bureau of Air Regulation is the Permitting Authority responsible for making a permit determination for this project. The Permitting Authority's physical address is: 111 South Magnolia Drive, Suite #4, Tallahassee, Florida. The Permitting Authority's mailing address is: 2600 Blair Stone Road, MS #5505, Tallahassee, Florida 32399-2400. The Permitting Authority's telephone number is 850/488-0114.

**Project File:** A complete project file is available for public inspection during the normal business hours of 8:00 a.m. to 5:00 p.m., Monday through Friday (except legal holidays), at address indicated above for the Permitting Authority. The complete project file includes the Draft Permit, the Technical Evaluation and Preliminary Determination, the application, and the information submitted by the applicant, exclusive of confidential records under Section 403.111, F.S. Interested persons may contact the Permitting Authority's project review engineer for additional information at the address or phone number listed above.

**Notice of Intent to Issue Permit:** The Permitting Authority gives notice of its intent to issue an air permit to the applicant for the project described above. The applicant has provided reasonable assurance that operation of the proposed equipment will not adversely impact air quality and that the project will comply with all appropriate provisions of Chapters 62-4, 62-204, 62-210, 62-212, 62-296, and 62-297, F.A.C. The Permitting Authority will issue a Final Permit in accordance with the conditions of the proposed Draft Permit unless a timely petition for an administrative hearing is filed under Sections 120.569 and 120.57, F.S. or unless public comment received in accordance with this notice results in a different decision or a significant change of terms or conditions.

**Public Notice:** Pursuant to Section 403.815, F.S. and Rules 62-110.106 and 62-210.350, F.A.C., you

## WRITTEN NOTICE OF INTENT TO ISSUE AIR PERMIT

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(the applicant) are required to publish at your own expense the enclosed Public Notice of Intent to Issue Air Permit (Public Notice). The Public Notice shall be published one time only as soon as possible in the legal advertisement section of a newspaper of general circulation in the area affected by this project. The newspaper used must meet the requirements of Sections 50.011 and 50.031, F.S. in the county where the activity is to take place. If you are uncertain that a newspaper meets these requirements, please contact the Permitting Authority at above address or phone number. Pursuant to Rule 62-110.106(5) and (9), F.A.C., the applicant shall provide proof of publication to the Permitting Authority at the above address within 7 days of publication. Failure to publish the notice and provide proof of publication may result in the denial of the permit pursuant to Rule 62-110.106(11), F.A.C.

**Comments:** The Permitting Authority will accept written comments concerning the proposed Draft Permit for a period of 14 days from the date of publication of the Public Notice. Written comments must be received by the Permitting Authority by close of business (5:00 p.m.) on or before the end of this 14-day period. If written comments received result in a significant change to the Draft Permit, the Permitting Authority shall revise the Draft Permit and require, if applicable, another Public Notice. All comments filed will be made available for public inspection.

**Petitions:** A person whose substantial interests are affected by the proposed permitting decision may petition for an administrative hearing in accordance with Sections 120.569 and 120.57, F.S. The petition must contain the information set forth below and must be filed with (received by) the Department's Agency Clerk in the Office of General Counsel of the Department of Environmental Protection, 3900 Commonwealth Boulevard, Mail Station #35, Tallahassee, Florida 32399-3000. Petitions filed by the applicant or any of the parties listed below must be filed within 14 days of receipt of this Written Notice of Intent to Issue Air Permit. Petitions filed by any persons other than those entitled to written notice under Section 120.60(3), F.S., must be filed within 14 days of publication of the attached Public Notice or within 14 days of receipt of this Written Notice of Intent to Issue Air Permit, whichever occurs first. Under Section 120.60(3), F.S., however, any person who asked the Permitting Authority for notice of agency action may file a petition within 14 days of receipt of that notice, regardless of the date of publication. A petitioner shall mail a copy of the petition to the applicant at the address indicated above, at the time of filing. The failure of any person to file a petition within the appropriate time period shall constitute a waiver of that person's right to request an administrative determination (hearing) under Sections 120.569 and 120.57, F.S., or to intervene in this proceeding and participate as a party to it. Any subsequent intervention (in a proceeding initiated by another party) will be only at the approval of the presiding officer upon the filing of a motion in compliance with Rule 28-106.205, F.A.C.

A petition that disputes the material facts on which the Permitting Authority's action is based must contain the following information: (a) The name and address of each agency affected and each agency's file or identification number, if known; (b) The name, address, and telephone number of the petitioner; the name, address and telephone number of the petitioner's representative, if any, which shall be the address for service purposes during the course of the proceeding; and an explanation of how the petitioner's substantial interests will be affected by the agency determination; (c) A statement of when and how each petitioner received notice of the agency action or proposed decision; (d) A statement of all disputed issues of material fact. If there are none, the petition must so state; (e) A concise statement of the ultimate facts alleged, including the specific facts the petitioner contends warrant reversal or modification of the agency's proposed action; (f) A statement of the specific rules or statutes the petitioner contends require reversal or modification of the agency's proposed action including an explanation of how the alleged facts relate to the specific rules or statutes; and, (g) A statement of the relief sought by the petitioner, stating precisely the action the petitioner wishes the agency to take with respect to the agency's proposed action. A petition that does not dispute the material facts upon which the Permitting Authority's action is based shall state that no such facts are in dispute and otherwise shall contain the same information as set forth above, as required by Rule 28-106.301, F.A.C.

**WRITTEN NOTICE OF INTENT TO ISSUE AIR PERMIT**

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

**Mediation:** Mediation is not available in this proceeding.

Executed in Tallahassee, Florida.



Trina Vielhauer, Chief  
Bureau of Air Regulation

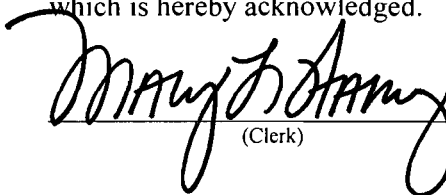
**CERTIFICATE OF SERVICE**

The undersigned duly designated deputy agency clerk hereby certifies that this Notice of Intent to Issue Air Permit package (including the Written Notice, Public Notice, the Technical Evaluation and Preliminary Determination, and the Draft Permit) was sent by electronic mail with received receipt requested before the close of business on 5/6/08 to the persons listed below.

- Mr. Neil Smith, U.S. Sugar Corporation ([nsmith@ussugar.com](mailto:nsmith@ussugar.com))
- Mr. Keith Tingberg, U.S. Sugar Corporation ([ktingberg@ussugar.com](mailto:ktingberg@ussugar.com))
- Mr. David Buff, Golder Associates ([dbuff@golder.com](mailto:dbuff@golder.com))
- Mr. Ajaya Satyal, South District Office ([ajaya.satyal@dep.state.fl.us](mailto:ajaya.satyal@dep.state.fl.us))

Clerk Stamp

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



(Clerk)

5/6/08  
(Date)

## PUBLIC NOTICE OF INTENT TO ISSUE AIR PERMIT

Florida Department of Environmental Protection  
Division of Air Resource Management, Bureau of Air Regulation  
Draft Air Permit No. 0510003-045-AC  
U.S. Sugar Corporation, Clewiston Sugar Mill and Refinery  
Hendry County, Florida

**Applicant:** The applicant for this project is U.S. Sugar Corporation. The applicant's authorized representative and mailing address is: Mr. Neil Smith, V.P. of Sugar Processing Operations, 111 Ponce de Leon Avenue, Clewiston, Florida 33440.

**Facility Location:** U.S. Sugar Corporation operates the existing Clewiston sugar mill and refinery, which is located in Hendry County at the intersection of W.C. Owens Avenue and State Road 832 in Clewiston, Florida.

**Project:** The applicant proposes to install and operate a 300 horsepower package boiler at the existing facility. The boiler will be a rental unit brought on site during the refinery season (June 1<sup>st</sup> through September 30<sup>th</sup>) to operate when all other mill boilers are shut down due to repair or maintenance. The small boiler will be used to support the packaging operations. It will fire distillate oil or on-specification used oil fuel with a maximum sulfur content of 0.05% by weight at a maximum rate of 85 gallons per hour. The exact make and model of the rental unit may be different each year. Based on a requested restriction of 63,240 gallons of distillate oil firing per year, potential emissions of each criteria pollutant will be less than one ton per year. Therefore, the project is not subject to PSD preconstruction review pursuant to Rule 62-212.400 of the Florida Administrative Code (F.A.C.).

**Permitting Authority:** Applications for air construction permits are subject to review in accordance with the provisions of Chapter 403, Florida Statutes (F.S.) and F.A.C. Chapters 62-4, 62-210, and 62-212. The proposed project is not exempt from air permitting requirements and an air permit is required to perform the proposed work. The Bureau of Air Regulation is the Permitting Authority responsible for making a permit determination for this project. The Permitting Authority's physical address is: 111 South Magnolia Drive, Suite #4, Tallahassee, Florida. The Permitting Authority's mailing address is: 2600 Blair Stone Road, MS #5505, Tallahassee, Florida 32399-2400. The Permitting Authority's telephone number is 850/488-0114.

**Project File:** A complete project file is available for public inspection during the normal business hours of 8:00 a.m. to 5:00 p.m., Monday through Friday (except legal holidays), at address indicated above for the Permitting Authority. The complete project file includes the Draft Permit, the Technical Evaluation and Preliminary Determination, the application, and the information submitted by the applicant, exclusive of confidential records under Section 403.111, F.S. Interested persons may contact the Permitting Authority's project review engineer for additional information at the address and phone number listed above. In addition, electronic copies of these documents are available on the following web site:  
<http://www.dep.state.fl.us/air/eproducts/apds/default.asp>.

**Notice of Intent to Issue Air Permit:** The Permitting Authority gives notice of its intent to issue an air permit to the applicant for the project described above. The applicant has provided reasonable assurance that operation of proposed equipment will not adversely impact air quality and that the project will comply with all appropriate provisions of Chapters 62-4, 62-204, 62-210, 62-212, 62-296, and 62-297, F.A.C. The Permitting Authority will issue a Final Permit in accordance with the conditions of the proposed Draft Permit unless a timely petition for an administrative hearing is filed under Sections 120.569 and 120.57, F.S. or unless public comment received in accordance with this notice results in a different decision or a significant change of terms or conditions.

**Comments:** The Permitting Authority will accept written comments concerning the proposed Draft Permit for a period of 14 days from the date of publication of the Public Notice. Written comments must be received by the Permitting Authority by close of business (5:00 p.m.) on or before the end of this 14-day period. If written comments received result in a significant change to the Draft Permit, the Permitting Authority shall revise the Draft Permit and require, if applicable, another Public Notice. All comments filed will be made available for

(Public Notice to be Published in the Newspaper)

## PUBLIC NOTICE OF INTENT TO ISSUE AIR PERMIT

public inspection.

**Petitions:** A person whose substantial interests are affected by the proposed permitting decision may petition for an administrative hearing in accordance with Sections 120.569 and 120.57, F.S. The petition must contain the information set forth below and must be filed with (received by) the Department's Agency Clerk in the Office of General Counsel of the Department of Environmental Protection at 3900 Commonwealth Boulevard, Mail Station #35, Tallahassee, Florida 32399-3000. Petitions filed by any persons other than those entitled to written notice under Section 120.60(3), F.S. must be filed within 14 days of publication of this Public Notice or receipt of a written notice, whichever occurs first. Under Section 120.60(3), F.S., however, any person who asked the Permitting Authority for notice of agency action may file a petition within 14 days of receipt of that notice, regardless of the date of publication. A petitioner shall mail a copy of the petition to the applicant at the address indicated above, at the time of filing. The failure of any person to file a petition within the appropriate time period shall constitute a waiver of that person's right to request an administrative determination (hearing) under Sections 120.569 and 120.57, F.S., or to intervene in this proceeding and participate as a party to it. Any subsequent intervention (in a proceeding initiated by another party) will be only at the approval of the presiding officer upon the filing of a motion in compliance with Rule 28-106.205, F.A.C.

A petition that disputes the material facts on which the Permitting Authority's action is based must contain the following information: (a) The name and address of each agency affected and each agency's file or identification number, if known; (b) The name, address and telephone number of the petitioner; the name address and telephone number of the petitioner's representative, if any, which shall be the address for service purposes during the course of the proceeding; and an explanation of how the petitioner's substantial rights will be affected by the agency determination; (c) A statement of when and how the petitioner received notice of the agency action or proposed decision; (d) A statement of all disputed issues of material fact. If there are none, the petition must so state; (e) A concise statement of the ultimate facts alleged, including the specific facts the petitioner contends warrant reversal or modification of the agency's proposed action; (f) A statement of the specific rules or statutes the petitioner contends require reversal or modification of the agency's proposed action including an explanation of how the alleged facts relate to the specific rules or statutes; and, (g) A statement of the relief sought by the petitioner, stating precisely the action the petitioner wishes the agency to take with respect to the agency's proposed action. A petition that does not dispute the material facts upon which the Permitting Authority's action is based shall state that no such facts are in dispute and otherwise shall contain the same information as set forth above, as required by Rule 28-106.301, F.A.C.

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

**Mediation:** Mediation is not available for this proceeding.



**TECHNICAL EVALUATION  
&  
PRELIMINARY DETERMINATION**

**PROJECT**

Draft Air Construction Permit No. 0510003-045-AC  
Refinery Package Boiler (EU-035)

**COUNTY**

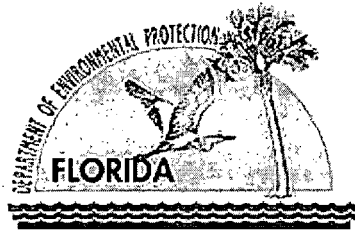
Hendry County

**APPLICANT**

U.S. Sugar Corporation  
Clewiston Sugar Mill and Refinery  
ARMS Facility ID No. 0510003

**PERMITTING AUTHORITY**

Florida Department of Environmental Protection  
Division of Air Resource Management  
Bureau of Air Regulation  
New Source Review Section



May 1, 2008

*{Filename: 0510003-045-AC - TEPD.doc}*

## 1. GENERAL PROJECT INFORMATION

### General Air Pollution Regulations

Projects with the potential to emit air pollution are subject to the applicable environmental laws specified in Section 403 of the Florida Statutes (F.S.), which authorize the Department of Environmental Protection (Department) to establish regulations regarding air quality as part of the Florida Administrative Code (F.A.C.), which includes the following chapters: 62-4 (Permits); 62-204 (Air Pollution Control – General Provisions); 62-210 (Stationary Sources – General Requirements); 62-212 (Stationary Sources - Preconstruction Review); 62-213 (Operation Permits for Major Sources of Air Pollution); 62-296 (Stationary Sources - Emission Standards); and 62-297 (Stationary Sources - Emissions Monitoring). In addition, the U. S. Environmental Protection Agency (EPA) establishes the following air quality regulations in Title 40 of the Code of Federal Regulations (CFR): Part 60 specifies New Source Performance Standards (NSPS) for numerous industrial activities; Part 61 specifies National Emission Standards for Hazardous Air Pollutants (NESHAP) based on specific pollutants; and Part 63 specifies NESHAP based on the Maximum Achievable Control Technology (MACT) for numerous industrial categories. The Department adopts these federal regulations on a quarterly basis in Rule 62-204.800, F.A.C.

### Facility Description and Location

U.S. Sugar operates a sugar mill and refinery in Hendry County located at the intersection of W.C. Owens Avenue and State Road 832 in Clewiston, Florida. The UTM map coordinates are Zone 17, 506.1 km E, and 2956.9 km N. Sugarcane is harvested from nearby fields and transported to the mill by train. In the mill, sugarcane is cut into small pieces and processed in a series of presses to squeeze juice from the cane. The juice undergoes clarification, separation, evaporation, and crystallization to produce raw, unrefined sugar. In the refinery, raw sugar is decolorized, concentrated, crystallized, dried, conditioned, screened, packaged, stored, and distributed as refined sugar. The fibrous byproduct remaining from the sugarcane is called bagasse and is burned as boiler fuel to provide steam and heating requirements for the mill and refinery.

### Facility Regulatory Categories

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

### Project Description

On March 25, 2008, the Department received a complete application to install and operate a 300 horsepower package boiler that will operate a maximum of 744 hours per year during the refinery season (June 1<sup>st</sup> through September 30<sup>th</sup>). The boiler would be a rental unit brought on site during the refinery season to operate when all other mill boilers are shut down due to maintenance. The small boiler would be used to support the packaging operations. It would fire distillate oil or on-specification used oil fuel with a maximum sulfur content of 0.05% by weight.

## 2. DEPARTMENT REVIEW

### General PSD Applicability

The Department regulates major stationary sources of air pollution in accordance with Florida's PSD preconstruction review program as defined in Rule 62-212.400, F.A.C. A PSD applicability review is required in areas currently in attainment with the state and federal Ambient Air Quality Standards or areas otherwise designated as "unclassifiable". A facility is considered a major stationary source with respect to PSD if it emits or has the potential to emit:

## TECHNICAL EVALUATION AND PRELIMINARY DETERMINATION

- 250 tons per year or more of any regulated air pollutant, or
- 100 tons per year or more of any regulated air pollutant and the facility belongs to one of the 28 PSD major facility categories, or
- 5 tons per year of lead.

For new projects at PSD-major stationary sources, each regulated pollutant is reviewed for PSD applicability based on emissions thresholds known as the significant emission rates defined in Rule 62-210.200(Definitions), F.A.C. Pollutant emissions from the project exceeding these rates are considered “significant” and the applicant must employ the Best Available Control Technology (BACT) to minimize emissions of each such pollutant and evaluate the air quality impacts. Although a facility may be “major” with respect to PSD for only one regulated pollutant, it may be required to install BACT controls for several “significant” regulated pollutants.

### PSD Applicability for Project

The following table summarizes the potential emissions from firing distillate oil in the proposed boiler.

Pollutant	Potential Emissions Tons/Year	Significant Emissions Rate, Tons/Year	Subject to PSD Review?
Carbon Monoxide (CO)	0.16	100	No
Nitrogen Oxides (NO <sub>x</sub> )	0.64	40	No
Particulate Matter (PM/PM <sub>10</sub> )	0.064	15/25	No
Sulfur Dioxide (SO <sub>2</sub> )	0.23	40	No
Volatile Organic Compounds (VOC)	0.01	40	No

The potential emissions are based on 744 hours per year of operation, an oil firing rate of 85 gph, and the emission factors from Chapter 1.3 of AP-42, Fuel Oil Combustion. As shown, all of the annual emissions are less than one ton per year. Therefore, the project is not subject to PSD preconstruction review.

### State Regulations

In addition to the general provisions in Chapters 62-4, 62-210 and 62-212, F.A.C., the proposed boiler will be subject to the following requirements in Rule 62-296.406, F.A.C.

- Visible emissions shall not exceed 20% opacity except for one six-minute period per hour during which opacity shall not exceed 27%.
- The Department shall make BACT determinations for PM and SO<sub>2</sub> emissions.

For the proposed boiler, the applicant requests authorization to fire distillate oil and on-specification used oil. The maximum fuel sulfur content of each of these fuels will be no more than 0.05% by weight, which limits the potential PM and SO<sub>2</sub> emissions from this unit. In addition, these fuels contain a negligible amount of ash, which also limits potential PM emissions. As shown above, this fuel sulfur limitation will maintain PM and SO<sub>2</sub> emissions below 1 ton per year. Additional controls would be cost prohibitive and are not necessary. Pursuant to Rule 62-296.406, F.A.C., the Department determines BACT for PM and SO<sub>2</sub> emissions to be the firing of oil with a maximum fuel sulfur limitation of 0.05% by weight. Compliance will be demonstrated by fuel analysis and record keeping.

### Federal Regulations

If the rental boiler brought on site was originally constructed after June 9, 1989, it is subject to the applicable federal provisions of Subpart Dc in 40 CFR 60. Due to the boiler size and proposed fuel, the federal provisions impose only a fuel sulfur limitation ( $\leq 0.5\%$  by weight) and record keeping and reporting requirements. The applicable NSPS Subpart Dc requirements are included in Appendix F of the draft permit.

## TECHNICAL EVALUATION AND PRELIMINARY DETERMINATION

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### Permit Limitations and Restrictions

In addition to the requirements in Rule 62-296.406, F.A.C. and Subpart Dc in 40 CFR 60, the draft permit includes the following restrictions, which are based on the equipment specifications in the application.

- The new refinery package boiler is identified as EU-035.
- The permitted capacity of the boiler is 12 MMBtu per hour from firing oil at approximately 85 gph.
- The boiler is authorized to fire distillate oil or on-specification used oil.
- The maximum fuel sulfur content shall not exceed 0.05% by weight.
- The boiler shall only operate during the period of June 1<sup>st</sup> through September 30<sup>th</sup> of each year. It shall only operate during this period when all other mill boilers are shutdown (or in the process of shutting down) due to repair or maintenance. The refinery package boiler shall not fire more than 63,240 gallons of authorized oil during the authorized period of operation (which is equivalent to 744 hours of operation).
- Initial and annual testing to demonstrate compliance with the visible emissions standard specified in Rule 62-296.406, F.A.C.
- The permit includes fuel monitoring and record keeping conditions to demonstrate compliance with the fuel consumption and sulfur limitations.
- The boiler shall comply with the requirements for on-specification used oil, which primarily come from 40 CFR Parts 279 and 761.

The permittee will be required to conduct an annual EPA Method 9 test to demonstrate compliance with the opacity standard in Rule 62-296.406, F.A.C. The permittee shall also maintain records of the fuel sulfur content, fuel consumption and hours of operation.

### 3. PRELIMINARY DETERMINATION

The Department makes a preliminary determination that the proposed project will comply with all applicable state and federal air pollution regulations as conditioned by the draft permit. This determination is based on a technical review of the complete application, reasonable assurances provided by the applicant, and the conditions specified in the draft permit. Jeff Koerner is the project engineer responsible for reviewing the application and drafting the permit. Additional details of this analysis may be obtained by contacting the project engineer at the Department's Bureau of Air Regulation at Mail Station #5505, 2600 Blair Stone Road, Tallahassee, Florida 32399-2400.

# DRAFT PERMIT

## PERMITTEE

U.S. Sugar Corporation  
111 Ponce DeLeon Avenue  
Clewiston, FL 33440

*Authorized Representative:*

Mr. Neil Smith, V.P. of Sugar Processing Operations

Air Permit No. 0510003-045-AC  
Permit Expires: October 1, 2009  
Clewiston Sugar Mill and Refinery

ARMS ID No. 0510003  
Hendry County, Florida

## PROJECT AND LOCATION

This permit authorizes the installation and operation of a small package boiler (EU-035) to operate during the refinery season when no other mill boilers are in operation. The proposed work will be conducted at the existing Clewiston mill, which includes a sugar mill (SIC No. 2061) and refinery (SIC No. 2062). The facility is located in Hendry County at the intersection of W.C. Owens Avenue and State Road 832 in Clewiston, Florida. The UTM map coordinates are Zone 17, 506.1 E and 2956.9 N.

## STATEMENT OF BASIS

This air pollution construction permit is issued under the provisions of Chapter 403 of the Florida Statutes (F.S.), Chapters 62-4, 62-204, 62-210, 62-212, 62-296, and 62-297 of the Florida Administrative Code (F.A.C.) and Part 60 in Title 40 of the Code of Federal Regulations (CFR) for the New Source Performance Standards (NSPS). The project is not subject to Rule 62-212.400, F.A.C. for the Prevention of Significant Deterioration (PSD) of Air Quality. The permittee is authorized to conduct the proposed work in accordance with the conditions of this permit and as described in the application, approved drawings, plans, and other documents on file with the Department.

## CONTENTS

- Section 1. General Information
- Section 2. Administrative Requirements
- Section 3. Emissions Unit Specific Conditions
- Section 4. Appendices

Executed in Tallahassee, Florida

(DRAFT)

\_\_\_\_\_  
Joseph Kahn, Director  
Division of Air Resource Management

\_\_\_\_\_  
(Date)

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## SECTION 1. GENERAL INFORMATION (DRAFT)

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### FACILITY AND PROJECT DESCRIPTION

U.S. Sugar operates a sugar mill and refinery in Hendry County located at the intersection of W.C. Owens Avenue and State Road 832 in Clewiston, Florida. The UTM map coordinates are Zone 17, 506.1 E, and 2956.9 N. Sugarcane is harvested from nearby fields and transported to the mill by train. In the mill, sugarcane is cut into small pieces and processed in a series of presses to squeeze juice from the cane. The juice undergoes clarification, separation, evaporation, and crystallization to produce raw, unrefined sugar. In the refinery, raw sugar is decolorized, concentrated, crystallized, dried, conditioned, screened, packaged, stored, and distributed as refined sugar. The fibrous byproduct remaining from the sugarcane is called bagasse and is burned as boiler fuel to provide steam and heating requirements for the mill and refinery.

This project affects the following existing emissions units.

ID	Emission Unit Description
035	Refinery package boiler

### REGULATORY CLASSIFICATION

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

## SECTION 2. ADMINISTRATIVE REQUIREMENTS (DRAFT)

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1. Permitting Authority: The Department's Bureau of Air Regulation is the permitting authority for this renewal permit. The permitting authority for subsequent revisions and renewals is the Air Resource Section of the Department's South District Office at: 2295 Victoria Avenue, Suite 364, Fort Myers, Florida 33902-2549. The telephone number is 239/332-6975 and the fax number is 239/332-6969.
2. Compliance Authority: The permittee shall submit all compliance related notifications and reports required of this permit to the Air Resource Section of the Department's South District Office at: 2295 Victoria Avenue, Suite 364, Fort Myers, Florida 33902-2549. The telephone number is 239/332-6975 and the fax number is 239/332-6969.
3. Appendices: The following Appendices are attached as part of this permit:
  - a. Appendix A. Citation Formats and Glossary of Common Terms;
  - b. Appendix B. General Conditions;
  - c. Appendix C. Common Conditions;
  - d. Appendix D. Common Testing Requirements;
  - e. Appendix E. On-Specification Used Oil Requirements; and
  - f. Appendix F. NSPS Subpart Dc Provisions.
4. Applicable Regulations, Forms and Application Procedures: Unless otherwise specified in this permit, the construction and operation of the subject emissions units shall be in accordance with the capacities and specifications stated in the application. The facility is subject to all applicable provisions of: Chapter 403, F.S.; and Chapters 62-4, 62-204, 62-210, 62-212, 62-213, 62-296, and 62-297, F.A.C. Issuance of this permit does not relieve the permittee from compliance with any applicable federal, state, or local permitting or regulations.
5. New or Additional Conditions: For good cause shown and after notice and an administrative hearing, if requested, the Department may require the permittee to conform to new or additional conditions. The Department shall allow the permittee a reasonable time to conform to the new or additional conditions, and on application of the permittee, the Department may grant additional time. [Rule 62-4.080, F.A.C.]
6. Modifications: The permittee shall notify the Compliance Authority upon commencement of construction. No emissions unit or facility subject to this permit shall be constructed or modified without obtaining an air construction permit from the Department. Such permit shall be obtained prior to beginning construction or modification. [Rules 62-210.300(1) and 62-212.300(1)(a), F.A.C.]
7. Source Obligation:
  - (a) At such time that a particular source or modification becomes a major stationary source or major modification (as these terms were defined at the time the source obtained the enforceable limitation) solely by virtue of a relaxation in any enforceable limitation which was established after August 7, 1980, on the capacity of the source or modification otherwise to emit a pollutant, such as a restriction on hours of operation, then the requirements of subsections 62-212.400(4) through (12), F.A.C., shall apply to the source or modification as though construction had not yet commenced on the source or modification.
  - (b) At such time that a particular source or modification becomes a major stationary source or major modification (as these terms were defined at the time the source obtained the enforceable limitation) solely by exceeding its projected actual emissions, then the requirements of subsections 62-212.400(4) through (12), F.A.C., shall apply to the source or modification as though construction had not yet commenced on the source or modification.

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

## SECTION 2. ADMINISTRATIVE REQUIREMENTS (DRAFT)

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



**SECTION 3. EMISSIONS UNIT SPECIFIC CONDITIONS (DRAFT)**

**A. Refinery Package Boiler (EU-035)**

This section of the permit addresses the following emissions unit.

EU No.	Emissions Unit
035	Refinery package boiler with a maximum heat input rate of 12 MMBtu per hour from firing distillate oil

**EQUIPMENT**

1. Refinery Package Boiler: As specified in the permit, the permittee is authorized to install and operate a 300 horsepower package boiler that will fire distillate oil. The boiler will be a rental unit and may be a different unit each year. Depending on the date of original construction, the rental boiler may be subject to the applicable provisions in Subpart Dc of 40 CFR 60. [Application No. 0510003-045-AC]

**PERFORMANCE RESTRICTIONS**

2. Permitted Capacity: The maximum heat input rate of the boiler is 12 MMBtu per hour from firing distillate oil at approximately 85 gallons per hour (gph). [Rule 62-210.200(PTE), F.A.C. and Application No. 0510003-045-AC]
3. Authorized Fuel: The boiler is authorized to fire distillate oil or on-specification used oil with a maximum sulfur content of 0.05% by weight. On-specification used oil shall meet the additional requirements specified in Appendix E of this permit. [Rule 62-210.200(PTE), F.A.C. and Application No. 0510003-045-AC]
4. Operational Restrictions: The boiler shall only operate during the period of June 1<sup>st</sup> through September 30<sup>th</sup> of each year. It shall only operate during this period when all other mill boilers are shutdown (or in the process of shutting down) due to repair or maintenance. The refinery package boiler shall not fire more than 63,240 gallons of authorized oil during the authorized period of operation. [Rule 62-210.200(PTE), F.A.C. and Application No. 0510003-045-AC]

**EMISSIONS STANDARDS**

5. Opacity Standard: As determined by EPA method 9, visible emissions shall not exceed 20% opacity except for one six-minute period per hour during which opacity shall not exceed 27%. [Rule 62-296.406, F.A.C.]
6. BACT Determinations: Particulate matter and sulfur dioxide emissions shall be minimized by the efficient combustion of distillate oil containing a maximum fuel sulfur content of 0.05% by weight. [Rule 62-296.406, F.A.C.]

**TESTING REQUIREMENTS**

7. Initial Compliance Tests: In accordance with EPA Method 9, the refinery package boiler shall be tested to demonstrate initial compliance with the visible emissions standard. The initial test shall be conducted within 60 days after achieving permitted capacity, but at least during the initial refinery season (June 1<sup>st</sup> through September 30<sup>th</sup>) in which it is operated. [Rules 62-4.070(3) and 62-297.310(7)(a)1, F.A.C.]
8. Annual Compliance Tests: During each refinery season (June 1<sup>st</sup> through September 30<sup>th</sup>) in which it is operated, the refinery package boiler shall be tested to demonstrate compliance with the visible emissions standard in accordance with EPA Method 9. [Rule 62-297.310(7)(a)4, F.A.C.]
9. Test Requirements: The permittee shall notify the Compliance Authority in writing at least 15 days prior to any required tests. Tests shall be conducted in accordance with the applicable requirements specified in Appendix D (Common Testing Requirements) of this permit. [Rule 62-297.310(7)(a)9, F.A.C.]

## SECTION 3. EMISSIONS UNIT SPECIFIC CONDITIONS (DRAFT)

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### A. Refinery Package Boiler (EU-035)

#### OPERATIONAL RECORDS

10. Fuel Consumption Records: The permittee shall install and operate a fuel flow meter to monitor the amount of distillate oil and on-specification used oil fired in the boiler. For each month during the refinery season, the permittee shall maintain monthly written records of the amount of oil fired. The records shall be used to demonstrate compliance with the limitation on oil firing and to prepare the Annual Operating Report. [Rules 62-4.070(3) and 62-210.370(3), F.A.C.]
11. Fuel Analysis Records: For each distillate oil delivery, the permittee shall maintain records of: the date, the gallons delivered, and a certified fuel oil analysis from the vendor including the heating value (Btu/lb), density (pounds/gallon) and sulfur content (percent by weight). The following methods are approved analytical methods for determining these characteristics: ASTM Method D-129, ASTM D-1552, ASTM D-2622, and ASTM D-4294. Other equivalent ASTM methods or Department-approved methods are also acceptable. On-specification used oil shall meet the additional requirements specified in Appendix E of this permit. [Rules 62-4.070(3) and 62-296.406(BACT), F.A.C.]

#### RECORDS, NOTIFICATIONS AND REPORTS

12. Test Reports: The permittee shall prepare and submit reports for all required tests in accordance with the requirements specified in Appendix D of this permit. For each test run, the report shall also indicate the actual heat input rate to the boiler. [Rule 62-297.310(8), F.A.C.]
13. Notification: Within three days of bringing a rental boiler on site, the permittee shall notify the Compliance Authority of the following: make and model, maximum heat input rate (MMBtu/hour), the applicability of NSPS Subpart Dc, and preliminary plans for conducting a visible emissions test. [Rule 62-4-070(3), F.A.C.]

#### OTHER APPLICABLE REQUIREMENTS

14. Federal Requirements: If the boiler was originally constructed, modified or reconstructed after June 9, 1989, it is subject to and shall comply with the applicable federal requirements in NSPS Subpart Dc of 40 CFR 60. The boiler will be a rental unit and may be a different unit each year. See Appendix F of this permit. [Rule 62-204.800, F.A.C. and Subpart Dc of 40 CFR 60]

## SECTION 4. APPENDICES

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### Contents

- Appendix A. Citation Formats and Glossary of Common Terms
- Appendix B. General Conditions
- Appendix C. Common Conditions
- Appendix D. Common Testing Requirements
- Appendix E. On-Specification Used Oil Requirements
- Appendix F. NSPS Subpart Dc Provisions

**SECTION 4. APPENDIX A**  
**Citation Formats and Glossary of Common Terms**

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**CITATION FORMATS**

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

**Old Permit Numbers**

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

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

**New Permit Numbers**

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

Where: "099" represents the specific county ID number in which the project is located  
"2222" represents the specific facility ID number for that county  
"001" identifies the specific permit project number  
"AC" identifies the permit as an air construction permit  
"AF" identifies the permit as a minor source federally enforceable state operation permit  
"AO" identifies the permit as a minor source air operation permit  
"AV" identifies the permit as a major Title V air operation permit

**PSD Permit Numbers**

Example: Permit No. PSD-FL-317

Where: "PSD" means issued pursuant to the preconstruction review requirements of the Prevention of Significant Deterioration of Air Quality  
"FL" means that the permit was issued by the State of Florida  
"317" identifies the specific permit project number

**Florida Administrative Code (F.A.C.)**

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

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

**Code of Federal Regulations (CFR)**

Example: [40 CFR 60.7]

Means: Title 40, Part 60, Section 7

**GLOSSARY OF COMMON TERMS**

**° F:** degrees Fahrenheit

**acfm:** actual cubic feet per minute

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

**BACT:** best available control technology

**Btu:** British thermal units

**CAM:** compliance assurance monitoring

**CEMS:** continuous emissions monitoring system

**cfm:** cubic feet per minute

**CFR:** Code of Federal Regulations

**CO:** carbon monoxide

**COMS:** continuous opacity monitoring system

## SECTION 4. APPENDIX A

### Citation Formats and Glossary of Common Terms

<b>DEP:</b> Department of Environmental Protection	<b>NESHAP:</b> National Emissions Standards for Hazardous Air Pollutants
<b>Department:</b> Department of Environmental Protection	<b>NO<sub>x</sub>:</b> nitrogen oxides
<b>dscfm:</b> dry standard cubic feet per minute	<b>NSPS:</b> New Source Performance Standards
<b>EPA:</b> Environmental Protection Agency	<b>O&amp;M:</b> operation and maintenance
<b>ESP:</b> electrostatic precipitator (control system for reducing particulate matter)	<b>O<sub>2</sub>:</b> oxygen
<b>EU:</b> emissions unit	<b>Pb:</b> lead
<b>F.A.C.:</b> Florida Administrative Code	<b>PM:</b> particulate matter
<b>F.D.:</b> forced draft	<b>PM<sub>10</sub>:</b> particulate matter with a mean aerodynamic diameter of 10 microns or less
<b>F.S.:</b> Florida Statutes	<b>PSD:</b> prevention of significant deterioration
<b>FGR:</b> flue gas recirculation	<b>psi:</b> pounds per square inch
<b>Fl:</b> fluoride	<b>PTE:</b> potential to emit
<b>ft<sup>2</sup>:</b> square feet	<b>RACT:</b> reasonably available control technology
<b>ft<sup>3</sup>:</b> cubic feet	<b>RATA:</b> relative accuracy test audit
<b>gpm:</b> gallons per minute	<b>SAM:</b> sulfuric acid mist
<b>gr:</b> grains	<b>scf:</b> standard cubic feet
<b>HAP:</b> hazardous air pollutant	<b>scfm:</b> standard cubic feet per minute
<b>Hg:</b> mercury	<b>SIC:</b> standard industrial classification code
<b>I.D.:</b> induced draft	<b>SNCR:</b> selective non-catalytic reduction (control system used for reducing emissions of nitrogen oxides)
<b>ID:</b> identification	<b>SO<sub>2</sub>:</b> sulfur dioxide
<b>kPa:</b> kilopascals	<b>TPH:</b> tons per hour
<b>lb:</b> pound	<b>TPY:</b> tons per year
<b>MACT:</b> maximum achievable technology	<b>UTM:</b> Universal Transverse Mercator coordinate system
<b>MMBtu:</b> million British thermal units	<b>VE:</b> visible emissions
<b>MSDS:</b> material safety data sheets	<b>VOC:</b> volatile organic compounds
<b>MW:</b> megawatt	

## SECTION 4. APPENDIX B

### General Conditions

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

1. The terms, conditions, requirements, limitations, and restrictions set forth in this permit are "Permit Conditions" and are binding and enforceable pursuant to Sections 403.161, 403.727, or 403.859 through 403.861, F.S. The permittee is placed on notice that the Department will review this permit periodically and may initiate enforcement action for any violation of these conditions.
2. This permit is valid only for the specific processes and operations applied for and indicated in the approved drawings or exhibits. Any unauthorized deviation from the approved drawings, exhibits, specifications, or conditions of this permit may constitute grounds for revocation and enforcement action by the Department.
3. As provided in Subsections 403.087(6) and 403.722(5), F.S., the issuance of this permit does not convey and vested rights or any exclusive privileges. Neither does it authorize any injury to public or private property or any invasion of personal rights, nor any infringement of federal, state or local laws or regulations. This permit is not a waiver or approval of any other Department permit that may be required for other aspects of the total project which are not addressed in the permit.
4. This permit conveys no title to land or water, does not constitute State recognition or acknowledgment of title, and does not constitute authority for the use of submerged lands unless herein provided and the necessary title or leasehold interests have been obtained from the State. Only the Trustees of the Internal Improvement Trust Fund may express State opinion as to title.
5. This permit does not relieve the permittee from liability for harm or injury to human health or welfare, animal, or plant life, or property caused by the construction or operation of this permitted source, or from penalties therefore; nor does it allow the permittee to cause pollution in contravention of F.S. and Department rules, unless specifically authorized by an order from the Department.
6. The permittee shall properly operate and maintain the facility and systems of treatment and control (and related appurtenances) that are installed or used by the permittee to achieve compliance with the conditions of this permit, as required by Department rules. This provision includes the operation of backup or auxiliary facilities or similar systems when necessary to achieve compliance with the conditions of the permit and when required by Department rules.
7. The permittee, by accepting this permit, specifically agrees to allow authorized Department personnel, upon presentation of credentials or other documents as may be required by law and at a reasonable time, access to the premises, where the permitted activity is located or conducted to:
  - a. Have access to and copy and records that must be kept under the conditions of the permit;
  - b. Inspect the facility, equipment, practices, or operations regulated or required under this permit, and,
  - c. Sample or monitor any substances or parameters at any location reasonably necessary to assure compliance with this permit or Department rules.

Reasonable time may depend on the nature of the concern being investigated.

8. If, for any reason, the permittee does not comply with or will be unable to comply with any condition or limitation specified in this permit, the permittee shall immediately provide the Department with the following information:
  - a. A description of and cause of non-compliance; and
  - b. The period of noncompliance, including dates and times; or, if not corrected, the anticipated time the non-compliance is expected to continue, and steps being taken to reduce, eliminate, and prevent recurrence of the non-compliance.

The permittee shall be responsible for any and all damages which may result and may be subject to enforcement action by the Department for penalties or for revocation of this permit.

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

## SECTION 4. APPENDIX B

### General Conditions

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10. The permittee agrees to comply with changes in Department rules and F.S. after a reasonable time for compliance, provided, however, the permittee does not waive any other rights granted by F.S. or Department rules.
11. This permit is transferable only upon Department approval in accordance with Rules 62-4.120 and 62-730.300, F.A.C., as applicable. The permittee shall be liable for any non-compliance of the permitted activity until the transfer is approved by the Department.
12. This permit or a copy thereof shall be kept at the work site of the permitted activity.
13. This permit also constitutes:
  - a. Determination of Best Available Control Technology (Rule 62-296.406, F.A.C.);
  - b. Determination of Prevention of Significant Deterioration (not applicable); and
  - c. Compliance with New Source Performance Standards (Subpart Dc in 40 CFR 60).
14. The permittee shall comply with the following:
  - a. Upon request, the permittee shall furnish all records and plans required under Department rules. During enforcement actions, the retention period for all records will be extended automatically unless otherwise stipulated by the Department.
  - b. The permittee shall hold at the facility or other location designated by this permit records of all monitoring information (including all calibration and maintenance records and all original strip chart recordings for continuous monitoring instrumentation) required by the permit, copies of all reports required by this permit, and records of all data used to complete the application or this permit. These materials shall be retained at least three years from the date of the sample, measurement, report, or application unless otherwise specified by Department rule.
  - c. Records of monitoring information shall include:
    - 1) The date, exact place, and time of sampling or measurements;
    - 2) The person responsible for performing the sampling or measurements;
    - 3) The dates analyses were performed;
    - 4) The person responsible for performing the analyses;
    - 5) The analytical techniques or methods used; and
    - 6) The results of such analyses.
15. When requested by the Department, the permittee shall within a reasonable time furnish any information required by law which is needed to determine compliance with the permit. If the permittee becomes aware that relevant facts were not submitted or were incorrect in the permit application or in any report to the Department, such facts or information shall be corrected promptly.

## SECTION 4. APPENDIX C

### Common Conditions

Unless otherwise specified in the permit, the following conditions apply to all emissions units and activities at the facility.

#### EMISSIONS AND CONTROLS

1. **Plant Operation - Problems:** If temporarily unable to comply with any of the conditions of the permit due to breakdown of equipment or destruction by fire, wind or other cause, the permittee shall notify each Compliance Authority as soon as possible, but at least within one working day, excluding weekends and holidays. The notification shall include: pertinent information as to the cause of the problem; steps being taken to correct the problem and prevent future recurrence; and, where applicable, the owner's intent toward reconstruction of destroyed facilities. Such notification does not release the permittee from any liability for failure to comply with the conditions of this permit or the regulations. [Rule 62-4.130, F.A.C.]
2. **Circumvention:** The permittee shall not circumvent the air pollution control equipment or allow the emission of air pollutants without this equipment operating properly. [Rule 62-210.650, F.A.C.]
3. **Excess Emissions Allowed:** 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.]
4. **Excess Emissions Prohibited:** Excess emissions caused entirely or in part by poor maintenance, poor operation, or any other equipment or process failure that may reasonably be prevented during startup, shutdown or malfunction shall be prohibited. [Rule 62-210.700(4), F.A.C.]
5. **Excess Emissions - Notification:** In case of excess emissions resulting from malfunctions, the permittee shall notify the Department or the appropriate Local Program in accordance with Rule 62-4.130, F.A.C. A full written report on the malfunctions shall be submitted in a quarterly report, if requested by the Department. [Rule 62-210.700(6), F.A.C.]
6. **VOC or OS Emissions:** No person shall 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. [Rule 62-296.320(1), F.A.C.]
7. **Objectionable Odor Prohibited:** No person shall cause, suffer, allow or permit the discharge of air pollutants, which cause or contribute to an objectionable odor. An "objectionable odor" means any odor present in the outdoor atmosphere which by itself or in combination with other odors, is or may be harmful or injurious to human health or welfare, which unreasonably interferes with the comfortable use and enjoyment of life or property, or which creates a nuisance. [Rules 62-296.320(2) and 62-210.200(Definitions), F.A.C.]
8. **General Visible Emissions:** No person shall cause, let, permit, suffer or allow to be discharged into the atmosphere the emissions of air pollutants from any activity equal to or greater than 20% opacity. This regulation does not impose a specific testing requirement. [Rule 62-296.320(4)(b)1, F.A.C.]
9. **Unconfined Particulate Emissions:** During the construction period, unconfined particulate matter emissions shall be minimized by dust suppressing techniques such as covering and/or application of water or chemicals to the affected areas, as necessary. [Rule 62-296.320(4)(c), F.A.C.]

*{Permitting Note: Rule 62-210.700 (Excess Emissions), F.A.C., cannot vary any NSPS or NESHAP provision.}*

#### RECORDS AND REPORTS

10. **Records Retention:** All measurements, records, and other data required by this permit shall be documented in a permanent, legible format and retained for at least 5 years following the date on which such measurements, records, or data are recorded. Records shall be made available to the Department upon request. [Rule 62-213.440(1)(b)2, F.A.C.]
11. **Annual Operating Report:** The permittee shall submit an annual report that summarizes the actual operating rates and emissions from this facility. Annual operating reports shall be submitted to the Compliance Authority by March 1st of each year. [Rule 62-210.370(3), F.A.C.]



**SECTION 4. APPENDIX D**  
**Common Testing Requirements**

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Unless otherwise specified in the permit, the following testing requirements apply to all emissions units at the facility.

**COMPLIANCE TESTING REQUIREMENTS**

1. Operating Rate During Testing: Testing of emissions shall be conducted with the emissions unit operating at permitted capacity. If it is impractical to test at permitted capacity, an emissions unit may be tested at less than the maximum permitted capacity; in this case, subsequent emissions unit operation is limited to 110 percent of the test rate until a new test is conducted. Once the unit is so limited, operation at higher capacities is allowed for no more than 15 consecutive days for the purpose of additional compliance testing to regain the authority to operate at the permitted capacity. Permitted capacity is defined as 90 to 100 percent of the maximum operation rate allowed by the permit. [Rule 62-297.310(2), F.A.C.]
2. Applicable Test Procedures - Opacity Compliance Tests. When either EPA Method 9 or DEP Method 9 is specified as the applicable opacity test method, the required minimum period of observation for a compliance test shall be sixty (60) minutes for emissions units which emit or have the potential to emit 100 tons per year or more of particulate matter, and thirty (30) minutes for emissions units which have potential emissions less than 100 tons per year of particulate matter and are not subject to a multiple-valued opacity standard. The opacity test observation period shall include the period during which the highest opacity emissions can reasonably be expected to occur. Exceptions to these requirements are as follows:
  - a. For batch, cyclical processes, or other operations which are normally completed within less than the minimum observation period and do not recur within that time, the period of observation shall be equal to the duration of the batch cycle or operation completion time.
  - b. The observation period for special opacity tests that are conducted to provide data to establish a surrogate standard pursuant to Rule 62-297.310(5)(k), F.A.C., Waiver of Compliance Test Requirements, shall be established as necessary to properly establish the relationship between a proposed surrogate standard and an existing mass emission limiting standard.
  - c. The minimum observation period for opacity tests conducted by employees or agents of the Department to verify the day-to-day continuing compliance of a unit or activity with an applicable opacity standard shall be twelve minutes.

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

3. Determination of Process Variables
  - a. *Required Equipment*. The owner or operator of an emissions unit for which compliance tests are required shall install, operate, and maintain equipment or instruments necessary to determine process variables, such as process weight input or heat input, when such data are needed in conjunction with emissions data to determine the compliance of the emissions unit with applicable emission limiting standards.
  - b. *Accuracy of Equipment*. Equipment or instruments used to directly or indirectly determine process variables, including devices such as belt scales, weight hoppers, flow meters, and tank scales, shall be calibrated and adjusted to indicate the true value of the parameter being measured with sufficient accuracy to allow the applicable process variable to be determined within 10% of its true value.

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

4. Frequency of Compliance Tests: The following provisions apply only to those emissions units that are subject to an emissions limiting standard for which compliance testing is required.
  - a. *General Compliance Testing*.
    1. The owner or operator of a new or modified emissions unit that is subject to an emission limiting standard shall conduct a compliance test that demonstrates compliance with the applicable emission limiting standard prior to obtaining an operation permit for such emissions unit.
    2. The owner or operator of an emissions unit that is subject to any emission limiting standard shall conduct a compliance test that demonstrates compliance with the applicable emission limiting standard prior to obtaining a renewed operation permit. Emissions units that are required to conduct an annual compliance test may submit the most recent annual compliance test to satisfy the requirements of this provision. In renewing an air

**SECTION 4. APPENDIX D**  
**Common Testing Requirements**

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operation permit pursuant to sub-subparagraph 62-210.300(2)(a)3.b., c., or d., F.A.C., the Department shall not require submission of emission compliance test results for any emissions unit that, during the year prior to renewal:

- (a) Did not operate; or
  - (b) In the case of a fuel burning emissions unit, burned liquid and/or solid fuel for a total of no more than 400 hours,
3. 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 visible emissions, if there is an applicable standard.
4. The owner or operator shall notify the Department, at least 15 days prior to the date on which each formal compliance test is to begin, of the date, time, and place of each such test, and the test contact person who will be responsible for coordinating and having such test conducted for the owner or operator.
- b. *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), F.A.C.]

**RECORDS AND REPORTS**

5. Test Reports: 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. 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. 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 shall provide the following information.
- a. The type, location, and designation of the emissions unit tested.
  - b. The facility at which the emissions unit is located.
  - c. The owner or operator of the emissions unit.
  - d. 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.
  - e. 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.
  - f. The date, starting time and end time of the observation.
  - g. The test procedures used.
  - h. The names of individuals who furnished the process variable data, conducted the test, and prepared the report.
  - i. 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.
  - j. A certification that, to the knowledge of the owner or his authorized agent, all data submitted are true and correct. 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.]

**SECTION 4. APPENDIX E**  
**On-Specification Used Oil Requirements**

The permittee shall comply with the following requirements for on-specification used oil.

1. **Specifications for Used Oil:** Only “on-specification” used oil containing a polychlorinated biphenyls (PCB) concentration of less than 50 ppm shall be fired at this facility.
  - a. “On-specification” used oil is defined as used oil that meets the specifications of 40 CFR 279 (Standards for the Management of Used Oil) as listed below.

Constituent/Property	Allowable Level
Arsenic	5 ppm, maximum
Cadmium	2 ppm, maximum
Chromium	10 ppm, maximum
Lead	100 ppm, maximum
Total Halogens	1000 ppm, maximum
Flash point	100° F, minimum

Used oil which fails to comply with any of these specification levels is considered “off-specification” used oil. The firing of off-specification used oil at this facility is prohibited.

- b. Used oil containing a PCB concentration of 50 ppm or more shall not be fired at this facility and shall not be blended to meet this requirement.
  - c. On-specification used oil with a PCB concentration of 2 ppm to less than 50 ppm shall be fired only at normal unit operating temperatures and shall not be fired during periods of startup or shutdown.
  - d. On-specification used oil with a PCB concentration of 2 ppm or less may be fired at any time.
  - e. On-specification used oil shall meet the maximum sulfur content specified in the permit.

[40 CFR 279.61]

2. **Used Oil Certifications:** For each delivery of used oil, the owner or operator shall receive from the marketer a certification that the used oil meets the specifications for “on-specification” used oil and that it contains a PCB concentration of less than 50 ppm. This certification shall also describe the basis for the certification, such as analytical results. Used oil to be fired for energy recovery is presumed to contain quantifiable levels (2 ppm) of PCB unless the marketer obtains analyses (testing) or other information that the used oil fuel does not contain quantifiable levels of PCBs. Note that a claim that used oil does not contain quantifiable levels of PCBs (<2 ppm) must be documented by analysis or other information. The first person making the claim that the used oil does not contain PCBs is responsible for furnishing the documentation. The documentation can be tests, personal or special knowledge of the source and composition of the used oil, or a certification from the person generating the used oil claiming that the used oil contains no detectable PCBs. [40 CFR 761.20]

3. **Notification to Marketers:** Before accepting from each marketer the first shipment of on-specification used oil with a PCB concentration of 2 to less than 50 ppm, the owner or operator shall provide each marketer with a one-time written and signed notice certifying that the owner or operator will fire the used oil in a qualified combustion device and must identify the class of combustion device. The notice must state that EPA or a RCRA-delegated state agency has been given a description of the used oil management activities at the facility and that an industrial boiler or furnace will be used to fire the used oil with a PCB concentration of 2 to 49 ppm. The description of the used oil management activities may be submitted to the Administrator, Hazardous Waste Regulation Section, Florida Department of Environmental Protection, 2600 Blair Stone Road, Tallahassee, FL 32399-2400. [40 CFR 761.20(e)]

4. **Sampling and Analysis:**

- a. If the owner or operator does not receive certification from the marketer as described above, the owner or operator shall sample and analyze each batch of used oil to be fired for the following parameters: arsenic, cadmium, chromium, lead, total halogens, flash point, PCBs, and percent sulfur content by weight, ash, and BTU value (BTU per gallon).

**SECTION 4. APPENDIX E**  
**On-Specification Used Oil Requirements**

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- b. If the owner or operator receives the required certification from the marketer, the owner or operator shall sample at least one delivery of used oil received each calendar quarter and analyze the sample for arsenic, cadmium, chromium, lead, total halogens, flash point, PCBs, and percent sulfur content by weight, ash, and BTU value (BTU per gallon).
- c. Sampling and analysis shall be performed using approved methods specified in the latest edition of EPA Publication SW-846, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods.
- d. If the analytical results show that the used oil does not meet the specifications for on-specification used oil, or that it contains a PCB concentration of 50 ppm or greater, the owner or operator shall immediately cease firing the used oil. The owner or operator shall also immediately notify the appropriate Compliance Authority of the analytical results and indicate the proposed means of disposal of the used oil.

[Rule 62-4.070(3), F.A.C.; 40 CFR Parts 279 and 761]

- 5. Used Oil Recordkeeping Required: The owner or operator shall obtain, make, and keep the following records related to the use of used oil in a form suitable for inspection at the facility by the Compliance Authority:
  - a. Within 15 days following each calendar month, record the gallons of on-specification used oil received and fired during the previous calendar month and the previous 12 calendar months.
  - b. The name and address of all marketers delivering used oil to the facility.
  - c. Copies of the marketer certifications and any supporting information.
  - d. If claimed, documentation that the used oil contains less than 2 ppm of PCBs, including the name and address of the person making the claim.
  - e. Results of any sampling/analyses conducted.
  - f. A copy of the notice to EPA and a copy of the one-time written notice provided to each marketer.

[Rule 62-4.070(3), F.A.C.; 40 CFR 279.61; and, 40 CFR 761.20(e)]

- 6. Used Oil Reporting Required: Within 30 days following each calendar quarter, the owner or operator shall submit to the appropriate Compliance Authority, the analytical results and the total amount of on-specification used oil received and fired during the quarter. [Rule 62-4.070(3), F.A.C.; 40 CFR Parts 279 and 761]

**SECTION 4. APPENDIX F**  
**NSPS Subpart Dc Provisions**

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**NSPS Subpart Dc in 40 CFR 60**

**Standards of Performance for Small Industrial-Commercial-Institutional Steam Generating Units**

*If the rental package boiler for the refinery (EU-035) was originally constructed after June 9, 1989, the following regulations are applicable. The unit is permitted to fire only distillate oil that will meet the fuel sulfur limitations of NSPS Subpart Dc and will demonstrate compliance by maintaining fuel supplier certifications. Requirements that are not applicable have been omitted, but the original numbering has been maintained for ease of reference.*

**§ 60.40c Applicability and delegation of authority.**

- (a) Except as provided in paragraph (d) of this section, the affected facility to which this subpart applies is each steam generating unit for which construction, modification, or reconstruction is commenced after June 9, 1989 and that has a maximum design heat input capacity of 29 megawatts (MW) (100 million British thermal units per hour (MMBtu/hr)) or less, but greater than or equal to 2.9 MW (10 MMBtu/hr).
- (b) In delegating implementation and enforcement authority to a State under section 111(c) of the Clean Air Act, §60.48c(a)(4) shall be retained by the Administrator and not transferred to a State.

**§ 60.41c Definitions.**

*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 (incorporated by reference, see §60.17).

*Heat input* means heat derived from combustion of fuel in a steam generating unit and does not include the heat derived from preheated combustion air, recirculated flue gases, or exhaust gases from other sources (such as stationary gas turbines, internal combustion engines, and kilns).

*Maximum design heat input capacity* means the ability of a steam generating unit to combust a stated maximum amount of fuel (or combination of fuels) on a steady state basis as determined by the physical design and characteristics of the steam generating unit.

*Oil* means crude oil or petroleum, or a liquid fuel derived from crude oil or petroleum, including distillate and residual oil.

*Steam generating unit* means a device that combusts any fuel and produces steam or heats water or any other heat transfer medium. This term includes any duct burner that combusts fuel and is part of a combined cycle system. This term does not include process heaters as defined in this subpart.

**§ 60.42c Standard for sulfur dioxide (SO<sub>2</sub>).**

- (d) On and after the date on which the initial performance test is completed or required to be completed under §60.8, whichever date comes first, no owner or operator of an affected facility that combusts oil shall combust oil in the affected facility that contains greater than 0.5 weight percent sulfur. The percent reduction requirements are not applicable to affected facilities under this paragraph.
- (h) For affected facilities listed under paragraphs (h)(1), (2), or (3) of this section, compliance with the emission limits or fuel oil sulfur limits under this section may be determined based on a certification from the fuel supplier, as described under §60.48c(f), as applicable.
  - (1) Distillate oil-fired affected facilities with heat input capacities between 2.9 and 29 MW (10 and 100 MMBtu/hr).
- (i) The SO<sub>2</sub> emission limits, fuel oil sulfur limits, and percent reduction requirements under this section apply at all times, including periods of startup, shutdown, and malfunction.

**§ 60.43c Standard for particulate matter (PM).**

- (e) (4) On and after the date on which the initial performance test is completed or is required to be completed under §60.8, whichever date comes first, an owner or operator of an affected facility that commences construction, reconstruction, or modification after February 28, 2005, and that combusts only oil that contains no more than 0.50 weight percent sulfur or a mixture of 0.50 weight percent sulfur oil with other fuels not subject to a PM standard under §60.43c and not using a post-combustion technology (except a wet scrubber) to reduce PM or SO<sub>2</sub> emissions is not subject to the PM limit in this section.

**SECTION 4. APPENDIX F**  
**NSPS Subpart Dc Provisions**

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**§ 60.44c Compliance and performance test methods and procedures for sulfur dioxide.**

- (h) For affected facilities subject to §60.42c(h)(1), (2), or (3) where the owner or operator seeks to demonstrate compliance with the SO<sub>2</sub> standards based on fuel supplier certification, the performance test shall consist of the certification, the certification from the fuel supplier, as described under §60.48c(f), as applicable.

**§ 60.45c Compliance and performance test methods and procedures for particulate matter.**

- (d) The owner or operator of an affected facility seeking to demonstrate compliance under §60.43c(e)(4) shall follow the applicable procedures under §60.48c(f).

**§ 60.46c Emission monitoring for sulfur dioxide.**

- (e) The monitoring requirements of paragraphs (a) and (d) of this section shall not apply to affected facilities subject to §60.42c(h) (1), (2), or (3) where the owner or operator of the affected facility seeks to demonstrate compliance with the SO<sub>2</sub> standards based on fuel supplier certification, as described under §60.48c(f), as applicable.

**§ 60.47c Emission monitoring for particulate matter.**

- (c) Affected facilities that burn only distillate oil that contains no more than 0.5 weight percent sulfur and/or liquid or gaseous fuels with potential sulfur dioxide emission rates of 26 ng/J (0.06 lb/MMBtu) heat input or less and that do not use a post-combustion technology to reduce SO<sub>2</sub> or PM emissions are not required to operate a CEMS for measuring opacity if they follow the applicable procedures under §60.48c(f).

**§ 60.48c Reporting and recordkeeping requirements.**

- (a) The owner or operator of each affected facility shall submit notification of the date of construction or reconstruction and actual startup, as provided by §60.7 of this part. This notification shall include:
- (1) The design heat input capacity of the affected facility and identification of fuels to be combusted in the affected facility.
  - (2) If applicable, a copy of any federally enforceable requirement that limits the annual capacity factor for any fuel or mixture of fuels under §60.42c, or §60.43c.
  - (3) The annual capacity factor at which the owner or operator anticipates operating the affected facility based on all fuels fired and based on each individual fuel fired.
  - (4) Notification if an emerging technology will be used for controlling SO<sub>2</sub> emissions. The Administrator will examine the description of the control device and will determine whether the technology qualifies as an emerging technology. In making this determination, the Administrator may require the owner or operator of the affected facility to submit additional information concerning the control device. The affected facility is subject to the provisions of §60.42c(a) or (b)(1), unless and until this determination is made by the Administrator.
- (d) The owner or operator of each affected facility subject to the SO<sub>2</sub> emission limits, fuel oil sulfur limits, or percent reduction requirements under §60.42c shall submit reports to the Administrator.
- (e) The owner or operator of each affected facility subject to the SO<sub>2</sub> emission limits, fuel oil sulfur limits, or percent reduction requirements under §60.42c shall keep records and submit reports as required under paragraph (d) of this section, including the following information, as applicable.
- (1) Calendar dates covered in the reporting period.
    - (11) If fuel supplier certification is used to demonstrate compliance, records of fuel supplier certification is used to demonstrate compliance, records of fuel supplier certification as described under paragraph (f)(1), (2), (3), or (4) of this section, as applicable. In addition to records of fuel supplier certifications, the report shall include a certified statement signed by the owner or operator of the affected facility that the records of fuel supplier certifications submitted represent all of the fuel combusted during the reporting period.
- (f) Fuel supplier certification shall include the following information:
- (1) For distillate oil:

**SECTION 4. APPENDIX F**  
**NSPS Subpart Dc Provisions**

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- (i) The name of the oil supplier;
  - (ii) A statement from the oil supplier that the oil complies with the specifications under the definition of distillate oil in §60.41c; and
  - (iii) The sulfur content of the oil.
- (g) (2) As an alternative to meeting the requirements of paragraph (g)(1) of this section, the owner or operator of an affected facility that combusts only natural gas, wood, fuels using fuel certification in §60.48c(f) to demonstrate compliance with the SO<sub>2</sub> standard, fuels not subject to an emissions standard (excluding opacity), or a mixture of these fuels may elect to record and maintain records of the amount of each fuel combusted during each calendar month.
- (i) All records required under this section shall be maintained by the owner or operator of the affected facility for a period of two years following the date of such record.
  - (j) The reporting period for the reports required under this subpart is each six-month period. All reports shall be submitted to the Administrator and shall be postmarked by the 30th day following the end of the reporting period.

**Harvey, Mary**

**From:** Harvey, Mary  
**Sent:** Tuesday, May 06, 2008 9:17 AM  
**To:** 'Mr. Neil Smith, U.S. Sugar Corporation'; 'Mr. Keith Tingberg, U.S. Sugar Corporation'; 'Mr. David Buff, Golder Associates'; Satyal, Ajaya  
**Cc:** Koerner, Jeff; Walker, Elizabeth (AIR); Gibson, Victoria  
**Subject:** Draft Air Permit No. 0510003-045-AC - U.S. Sugar Corporation Corporation  
**Attachments:** 0510003-045-AC - Draft Permit.PDF; 0510003-045-AC - Public Notice.PDF; 0510003-045-AC - TEPD.PDF; 0510003-045-AC - Written Notice.PDF; Document.pdf

Tracking:	Recipient	Delivery	Read
✓	'Mr. Neil Smith, U.S. Sugar Corporation'		
✓	'Mr. Keith Tingberg, U.S. Sugar Corporation'		
✓	'Mr. David Buff, Golder Associates'		
✓	Satyal, Ajaya	Delivered: 5/6/2008 9:17 AM	Read: 5/6/2008 9:38 AM
	Koerner, Jeff	Delivered: 5/6/2008 9:17 AM	
	Walker, Elizabeth (AIR)	Delivered: 5/6/2008 9:17 AM	
✓	Gibson, Victoria	Delivered: 5/6/2008 9:17 AM	Read: 5/6/2008 9:24 AM

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Thank you,

DEP, Bureau of Air Regulation

5/7/2008



## Harvey, Mary

---

**From:** Satyal, Ajaya  
**Sent:** Tuesday, May 06, 2008 9:39 AM  
**To:** Harvey, Mary  
**Subject:** RE: Draft Air Permit No. 051003-045-AC - U.S. Sugar Corporation Corporation

Received the documents. Thanks.

AJ Satyal  
South District

**From:** Harvey, Mary  
**Sent:** Tuesday, May 06, 2008 9:17 AM  
**To:** 'Mr. Neil Smith, U.S. Sugar Corporation'; 'Mr. Keith Tingberg, U.S. Sugar Corporation'; 'Mr. David Buff, Golder Associates'; Satyal, Ajaya  
**Cc:** Koerner, Jeff; Walker, Elizabeth (AIR); Gibson, Victoria  
**Subject:** Draft Air Permit No. 051003-045-AC - U.S. Sugar Corporation Corporation

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Thank you,

DEP, Bureau of Air Regulation

## Harvey, Mary

---

**From:** Gibson, Victoria  
**To:** Harvey, Mary  
**Sent:** Tuesday, May 06, 2008 9:27 AM  
**Subject:** Read: RE: Draft Air Permit No. 051003-045-AC - U.S. Sugar Corporation Corporation

Your message

To: Gibson, Victoria  
Subject: RE: Draft Air Permit No. 051003-045-AC - U.S. Sugar Corporation Corporation  
Sent: 5/6/2008 9:26 AM

was read on 5/6/2008 9:27 AM.

## Harvey, Mary

---

**From:** Satyal, Ajaya  
**To:** Harvey, Mary  
**Sent:** Tuesday, May 06, 2008 9:38 AM  
**Subject:** Read: Draft Air Permit No. 051003-045-AC - U.S. Sugar Corporation Corporation

Your message

**To:** 'Mr. Neil Smith, U.S. Sugar Corporation'; 'Mr. Keith Tingberg, U.S. Sugar Corporation'; 'Mr. David Buff, Golder Associates'; Satyal, Ajaya  
**Cc:** Koerner, Jeff; Walker, Elizabeth (AIR); Gibson, Victoria  
**Subject:** Draft Air Permit No. 051003-045-AC - U.S. Sugar Corporation Corporation  
**Sent:** 5/6/2008 9:17 AM

was read on 5/6/2008 9:38 AM.

## Harvey, Mary

---

**From:** Keith Tingberg [ktingberg@ussugar.com]  
**To:** Harvey, Mary  
**Sent:** Tuesday, May 06, 2008 1:00 PM  
**Subject:** Read: Draft Air Permit No. 051003-045-AC - U.S. Sugar Corporation Corporation

Your message

To: ktingberg@ussugar.com  
Subject:

was read on 5/6/2008 1:00 PM.

## Harvey, Mary

---

**From:** Keith Tingberg [ktingberg@ussugar.com]  
**Sent:** Tuesday, May 06, 2008 1:01 PM  
**To:** Harvey, Mary  
**Subject:** RE: Draft Air Permit No. 051003-045-AC - U.S. Sugar Corporation Corporation

We have received the document.

**Keith Tingberg**  
Environmental Manager  
U.S. Sugar Corporation  
ktingberg@ussugar.com  
111 Ponce de Leon Avenue  
Clewiston, FL 33440  
Office: (863) 902-3186  
Cell: (863) 233-1297  
Fax: (863) 902-3149

---

**From:** Harvey, Mary [mailto:Mary.Harvey@dep.state.fl.us]  
**Sent:** Tuesday, May 06, 2008 9:17 AM  
**To:** Neil Smith; Keith Tingberg; Mr. David Buff, Golder Associates; Satyal, Ajaya  
**Cc:** Koerner, Jeff; Walker, Elizabeth (AIR); Gibson, Victoria  
**Subject:** Draft Air Permit No. 051003-045-AC - U.S. Sugar Corporation Corporation

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<http://www.adobe.com/products/acrobat/readstep.html>.

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Thank you,

DEP, Bureau of Air Regulation

5/6/2008

## Harvey, Mary

---

**From:** Buff, Dave [DBuff@GOLDER.com]  
**To:** undisclosed-recipients  
**Sent:** Tuesday, May 06, 2008 9:23 AM  
**Subject:** Read: Draft Air Permit No. 051003-045-AC - U.S. Sugar Corporation Corporation

Your message

To: DBuff@GOLDER.com  
Subject:

was read on 5/6/2008 9:23 AM.

**Harvey, Mary**

---

**From:** Neil Smith [nsmith@ussugar.com]  
**Sent:** Tuesday, May 06, 2008 9:19 AM  
**To:** Harvey, Mary  
**Subject:** RE: Draft Air Permit No. 051003-045-AC - U.S. Sugar Corporation Corporation

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**From:** Harvey, Mary [mailto:Mary.Harvey@dep.state.fl.us]  
**Sent:** Tuesday, May 06, 2008 9:17 AM  
**To:** Neil Smith; Keith Tingberg; Mr. David Buff, Golder Associates; Satyal, Ajaya  
**Cc:** Koerner, Jeff; Walker, Elizabeth (AIR); Gibson, Victoria  
**Subject:** Draft Air Permit No. 051003-045-AC - U.S. Sugar Corporation Corporation

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The document is in Adobe Portable Document Format (pdf). Adobe Acrobat Reader can be downloaded for free at the following internet site:  
<http://www.adobe.com/products/acrobat/readstep.html>.

The Bureau of Air Regulation is issuing electronic documents for permits, notices and other correspondence in lieu of hard copies through the United States Postal System, to provide greater service to the applicant and the engineering community. Please advise this office of any changes to your e-mail address or that of the Engineer-of-Record.

Thank you,

DEP, Bureau of Air Regulation

*The Department of Environmental Protection values your feedback as a customer. DEP Secretary Michael W. Sole is committed to continuously assessing and improving the level and quality of services provided to you. Please take a few minutes to comment on the quality of service you received. Simply click on [this link to the DEP Customer Survey](#). Thank you in advance for completing the survey.*

## Harvey, Mary

---

**From:** Lisa Pickron [lpickron@ussugar.com]  
**To:** Harvey, Mary  
**Sent:** Tuesday, May 06, 2008 9:27 AM  
**Subject:** Read: Draft Air Permit No. 051003-045-AC - U.S. Sugar Corporation Corporation

Your message

To: lpickron@ussugar.com  
Subject:

was read on 5/6/2008 9:27 AM.



**Harvey, Mary**

**From:** Harvey, Mary  
**Sent:** Tuesday, May 06, 2008 9:17 AM  
**To:** 'Mr. Neil Smith, U.S. Sugar Corporation'; 'Mr. Keith Tingberg, U.S. Sugar Corporation'; 'Mr. David Buff, Golder Associates'; Satyal, Ajaya  
**Cc:** Koerner, Jeff; Walker, Elizabeth (AIR); Gibson, Victoria  
**Subject:** Draft Air Permit No. 051003-045-AC - U.S. Sugar Corporation Corporation  
**Attachments:** 0510003-045-AC - Draft Permit.PDF; 0510003-045-AC - Public Notice.PDF; 0510003-045-AC - TEPA.PDF; 0510003-045-AC - Written Notice.PDF; Document.pdf

Tracking:	Recipient	Delivery	Read
<input checked="" type="checkbox"/>	'Mr. Neil Smith, U.S. Sugar Corporation'		
<input checked="" type="checkbox"/>	'Mr. Keith Tingberg, U.S. Sugar Corporation'		
<input checked="" type="checkbox"/>	'Mr. David Buff, Golder Associates'		
<input checked="" type="checkbox"/>	Satyal, Ajaya	Delivered: 5/6/2008 9:17 AM	Read: 5/6/2008 9:38 AM
<input checked="" type="checkbox"/>	Koerner, Jeff	Delivered: 5/6/2008 9:17 AM	
	Walker, Elizabeth (AIR)	Delivered: 5/6/2008 9:17 AM	
<input checked="" type="checkbox"/>	Gibson, Victoria	Delivered: 5/6/2008 9:17 AM	Read: 5/6/2008 9:24 AM

Dear Sir/Madam:

Please send a "reply" message verifying receipt of the attached document(s); this may be done by selecting "Reply" on the menu bar of your e-mail software and then selecting "Send". We must receive verification of receipt and your reply will preclude subsequent e-mail transmissions to verify receipt of the document(s).

The document(s) may require immediate action within a specified time frame. Please open and review the document(s) as soon as possible.

The document is in Adobe Portable Document Format (pdf). Adobe Acrobat Reader can be downloaded for free at the following internet site:  
<http://www.adobe.com/products/acrobat/readstep.html>.

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Thank you,

DEP, Bureau of Air Regulation

5/13/2008

## Harvey, Mary

---

**From:** Satyal, Ajaya  
**To:** Harvey, Mary  
**Sent:** Monday, May 12, 2008 10:20 AM  
**Subject:** Read: RE: Draft Air Permit No. 051003-045-AC - U.S. Sugar Corporation Corporation

Your message

**To:** Harvey, Mary; 'Mr. Neil Smith, U.S. Sugar Corporation'; 'Mr. Keith Tingberg, U.S. Sugar Corporation'; 'Mr. David Buff, Golder Associates'; Satyal, Ajaya  
**Cc:** Koerner, Jeff; Walker, Elizabeth (AIR); Gibson, Victoria  
**Subject:** RE: Draft Air Permit No. 051003-045-AC - U.S. Sugar Corporation Corporation  
**Sent:** 5/12/2008 10:10 AM

was read on 5/12/2008 10:20 AM.

## Harvey, Mary

---

**From:** Gibson, Victoria  
**To:** Harvey, Mary  
**Sent:** Monday, May 12, 2008 12:39 PM  
**Subject:** Read: RE: Draft Air Permit No. 051003-045-AC - U.S. Sugar Corporation Corporation

Your message

**To:** Harvey, Mary; 'Mr. Neil Smith, U.S. Sugar Corporation'; 'Mr. Keith Tingberg, U.S. Sugar Corporation'; 'Mr. David Buff, Golder Associates'; Satyal, Ajaya  
**Cc:** Koerner, Jeff; Walker, Elizabeth (AIR); Gibson, Victoria  
**Subject:** RE: Draft Air Permit No. 051003-045-AC - U.S. Sugar Corporation Corporation  
**Sent:** 5/12/2008 10:10 AM

was read on 5/12/2008 12:39 PM.

## Harvey, Mary

---

**From:** Koerner, Jeff  
**To:** Harvey, Mary  
**Sent:** Monday, May 12, 2008 12:18 PM  
**Subject:** Read: RE: Draft Air Permit No. 051003-045-AC - U.S. Sugar Corporation Corporation

Your message

**To:** Harvey, Mary; 'Mr. Neil Smith, U.S. Sugar Corporation'; 'Mr. Keith Tingberg, U.S. Sugar Corporation'; 'Mr. David Buff, Golder Associates'; Satyal, Ajaya  
**Cc:** Koerner, Jeff; Walker, Elizabeth (AIR); Gibson, Victoria  
**Subject:** RE: Draft Air Permit No. 051003-045-AC - U.S. Sugar Corporation Corporation  
**Sent:** 5/12/2008 10:10 AM

was read on 5/12/2008 12:18 PM.

## Harvey, Mary

---

**From:** Lisa Pickron [lpickron@ussugar.com]  
**To:** Harvey, Mary  
**Sent:** Monday, May 12, 2008 10:26 AM  
**Subject:** Read: RE: Draft Air Permit No. 051003-045-AC - U.S. Sugar Corporation Corporation

Your message

To: lpickron@ussugar.com  
Subject:

was read on 5/12/2008 10:26 AM.

## Harvey, Mary

---

**From:** Keith Tingberg [ktingberg@ussugar.com]  
**To:** Harvey, Mary  
**Sent:** Monday, May 12, 2008 10:14 AM  
**Subject:** Read: RE: Draft Air Permit No. 051003-045-AC - U.S. Sugar Corporation Corporation

Your message

To: ktingberg@ussugar.com  
Subject:

was read on 5/12/2008 10:14 AM.

**Harvey, Mary**

---

**From:** Buff, Dave [DBuff@GOLDER.com]  
**Sent:** Monday, May 12, 2008 9:18 AM  
**To:** Harvey, Mary; Mr. Neil Smith, U.S. Sugar Corporation; Mr. Keith Tingberg, U.S. Sugar Corporation; Satyal, Ajaya  
**Cc:** Koerner, Jeff; Walker, Elizabeth (AIR); Gibson, Victoria  
**Subject:** RE: Draft Air Permit No. 051003-045-AC - U.S. Sugar Corporation Corporation

Note this email did not include the Appendices. Could you please forward these to Golder and U.S. Sugar?  
Thanks.

David A. Buff, P.E., Q. E. P.  
Golder Associates Inc.  
Phone: (352)336-5600 x 545  
Fax: (352)336-6603 Mobile: (352)514-5600  
E-Mail: [dbuff@golder.com](mailto:dbuff@golder.com)

**Disclaimer Notice:**

This e-mail transmission is confidential and may contain proprietary information for the express use of the intended recipient. Any use, distribution or copying of this transmission, other than by the intended recipient, is strictly prohibited. If you are not the intended recipient, please notify the sender and delete all copies. Electronic media are susceptible to unauthorized modification, deterioration, and incompatibility. Accordingly, the electronic media version of any work product may not be relied upon.

**From:** Harvey, Mary [<mailto:Mary.Harvey@dep.state.fl.us>]  
**Sent:** Tuesday, May 06, 2008 9:17 AM  
**To:** Mr. Neil Smith, U.S. Sugar Corporation; Mr. Keith Tingberg, U.S. Sugar Corporation; Buff, Dave; Satyal, Ajaya  
**Cc:** Koerner, Jeff; Walker, Elizabeth (AIR); Gibson, Victoria  
**Subject:** Draft Air Permit No. 051003-045-AC - U.S. Sugar Corporation Corporation

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The document(s) may require immediate action within a specified time frame. Please open and review the document(s) as soon as possible.

The document is in Adobe Portable Document Format (pdf). Adobe Acrobat Reader can be downloaded for free at the following internet site:  
<http://www.adobe.com/products/acrobat/readstep.html>.

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Thank you,

5/12/2008

## Harvey, Mary

---

**From:** Buff, Dave [DBuff@GOLDER.com]  
**To:** undisclosed-recipients  
**Sent:** Monday, May 12, 2008 8:44 PM  
**Subject:** Read: Draft Air Permit No. 051003-045-AC - U.S. Sugar Corporation Corporation

Your message

To: DBuff@GOLDER.com  
Subject:

was read on 5/12/2008 8:44 PM.





UNITED STATES  
**SUGAR**  
CORPORATION

111 Ponce de Leon  
Clewiston, Florida 33440

Certified Mail  
Return Receipt Request

May 27, 2008

Mr. Ajaya Satyal  
Florida Department of Environmental Protection – South District  
2295 Victoria Avenue, Suite 364  
P.O. Box 2549  
Ft. Myers, FL 33902-2549

RE: United States Sugar Corporation  
Clewiston Sugar Mill and Refinery  
Hendry County, Florida

Gentlemen:

We are enclosing the original Affidavit of Publication certifying that the “Public Notice of Intent to Issue an Air Permit” was published in the legal section of the May 22, 2008 issue of *The Clewiston News*.

Please advise if there is anything further that we need to provide in this respect.

Sincerely,

UNITED STATES SUGAR CORPORATION

Keith Tingberg  
Environmental Manager  
Sugar Manufacturing

Enclosure

Cc: Jeffrey Koerner, FDEP (w/copy)  
Neil Smith (w/copy)

RECEIVED

JUN 03 2008

BUREAU OF AIR REGULATION

RECEIVED - D.E.P.

MAY 29 2008

SOUTH DISTRICT

The Clewiston News

Clewiston, Florida

Published Weekly

AFFIDAVIT OF PUBLICATION

State of Florida  
County of Hendry

Before the undersigned authority, personally appeared Judy Kasten, who on oath says she is the Advertising Director of the Clewiston News, a weekly newspaper published at Clewiston in Hendry County, Florida,

that the attached copy of advertisement being a Public Notice

in the matter Public Notice of Intent to Issue Air Permit

in the 19th Judicial District of the circuit court, was published in said newspaper in the issue(s)

of 5/22/2008

Affiant further says that the said Clewiston News is a newspaper published at Clewiston, in said Hendry County, continuously published in said Hendry County, Florida, each week, and has been entered as periodicals matter at the post office in Clewiston, in said Hendry County, Florida, for a period of one year next preceding the first publication says that she has neither paid nor promised any person, firm or corporation any discount, rebate, commission or refund for the purpose of securing this advertisement for publication in the said newspaper.

Judy Kasten

Sworn to and subscribed before me this

Notary Public

72nd May 2008  
NOTARY PUBLIC  
Janetta Thibout  
Commission # DD505311  
Expires January 10, 2010  
Banded Troy Pain Insurance, Inc 800-385-7019

PUBLIC NOTICE OF INTENT TO ISSUE AIR PERMIT

Florida Department of Environmental Protection  
Division of Air Resource Management, Bureau of Air Regulation  
Draft Air Permit No. 0510003-045-AC  
U.S. Sugar Corporation, Clewiston Sugar Mill and Refinery  
Hendry County, Florida

**Applicant:** The applicant for this project is U.S. Sugar Corporation. The applicant authorized representative and mailing address is: Mr. Neil Smith, VP of Sugar Processing Operations, 111 Ponce de Leon Avenue, Clewiston, Florida 33440.

**Facility Location:** U.S. Sugar Corporation operates the existing Clewiston sugar mill and refinery, which is located in Hendry County at the intersection of W.C. Owe Avenue and State Road 832 in Clewiston, Florida.

**Project:** The applicant proposes to install and operate a 300 horsepower package boiler at the existing facility. The boiler will be a rental unit brought on site during the refinery season (June 1st through September 30th) to operate when all other mill boilers are shut down due to repair or maintenance. The small boiler will be used to support the packaging operations. It will fire distillate oil or on-specification used oil fuel with a maximum sulfur content of 0.05% by weight at a maximum rate of 85 gallons per hour. The exact make and model of the rental unit may be different each year. Based on a requested restriction of 63,240 gallons distillate oil firing per year, potential emissions of each criteria pollutant will be less than one ton per year. Therefore, the project is not subject to PSD preconstruction review pursuant to Rule 62-212.400 of the Florida Administrative Code (F.A.C.).

**Permitting Authority:** Applications for air construction permits are subject to review in accordance with the provisions of Chapter 403, Florida Statutes (F.S.), at F.A.C. Chapters 62-4, 62-210, and 62-212. The proposed project is not exempt from air permitting requirements and an air permit is required to perform the proposed work. The Bureau of Air Regulation is the Permitting Authority responsible for making a permit determination for this project. The Permitting Authority physical address is: 111 South Magnolia Drive, Suite #4, Tallahassee, Florida. The Permitting Authority's mailing address is: 2600 Blair Stone Road, MS #550 Tallahassee, Florida 32399-2400. The Permitting Authority's telephone number: 850/488-0114.

**Project File:** A complete project file is available for public inspection during the normal business hours of 8:00 a.m. to 5:00 p.m., Monday through Friday (except on legal holidays), at address indicated above for the Permitting Authority. The complete project file includes the Draft Permit, the Technical Evaluation and Preliminary Determination, the application, and the information submitted by the applicant, exclusive of confidential records under Section 403.111, F.S. Interested persons may contact the Permitting Authority's project review engineer for additional information at the address and phone number listed above. In addition, electronic copies of these documents are available on the following web site: <http://www.dep.state.fl.us/air/products/ands/default.asp>.

**Notice of Intent to Issue Air Permit:** The Permitting Authority gives notice of its intent to issue an air permit to the applicant for the project described above. The applicant has provided reasonable assurance that operation of proposed equipment will not adversely impact air quality and that the project will comply with all appropriate provisions of Chapters 62-4, 62-204, 62-210, 62-212, 62-296, and 62-297, F.A.C. The Permitting Authority will issue a Final Permit in accordance with the conditions of the proposed Draft Permit unless a timely petition for an administrative hearing is filed under Sections 120.569 and 120.57, F.S., or unless public comment received in accordance with this notice results in a different decision or a significant change of terms or conditions.

**Comments:** The Permitting Authority will accept written comments concerning the proposed Draft Permit for a period of 14 days from the date of publication of this Public Notice. Written comments must be received by the Permitting Authority, 111 Ponce de Leon Avenue, Clewiston, Florida 33440, on or before the end of this 14-day period. If written comments received result in a significant change to the Draft Permit, the Permitting Authority shall revise the Draft Permit and require, if applicable, another Public Notice. All comments filed will be made available for

**Petitions:** A person whose substantial interests are affected by the proposed permitting decision may petition for an administrative hearing in accordance with Sections 120.569 and 120.57, F.S. The petition must contain the information set forth below and must be filed with (received by) the Department's Agency Clerk-in-Chief, Office of General Counsel of the Department of Environmental Protection at 390 Commonwealth Boulevard, Mall Station #35, Tallahassee, Florida 32399-3000. Petitions filed by any persons other than those entitled to written notice under Section 120.60(3), F.S., must be filed within 14 days of publication of this Public Notice or receipt of a written notice, whichever occurs first. Under Section 120.60(3), F.S., however, any person who asked the Permitting Authority for notice of agency action may file a petition within 14 days of receipt of that notice regardless of the date of publication. A petitioner shall mail a copy of the petition to the applicant at the address indicated above, at the time of filing. The failure of any person to file a petition within the appropriate time period shall constitute a waiver of that person's right to request an administrative determination (hearing) under Sections 120.569 and 120.57, F.S., or to intervene in this proceeding, and participate as a party to it. Any subsequent intervention (in a proceeding initiated by another party) will be only at the approval of the presiding officer upon the filing of a motion in compliance with Rule 28-106.205, F.A.C.

A petition that disputes the material facts on which the Permitting Authority's action is based must contain the following information: (a) The name and address of each agency affected and each agency's file or identification number, if known; (b) The name, address and telephone number of the petitioner; the name, address and telephone number of the petitioner's representative, if any, which shall be the address for service purposes during the course of the proceeding; and an explanation of how the petitioner's substantial rights will be affected by the agency's action; (c) A statement of when and how the petitioner received notice of the agency action or proposed decision; (d) A statement of all disputed issues of material fact. If there are none, the petition must so state; (e) A concise statement of the ultimate facts alleged, including the specific facts the petitioner contends warrant reversal or modification of the agency's proposed action; (f) A statement of the specific rules or statutes the petitioner contends require reversal or modification of the agency's proposed action including an explanation of how the alleged facts relate to the specific rules or statutes; and, (g) A statement of the relief sought by the petitioner, stating precisely the action the petitioner wishes the agency to take with respect to the agency's proposed action. A petition that does not dispute the material facts upon which the Permitting Authority's action is based shall state that no such facts are in dispute and otherwise shall contain the same information as set forth above, as required by Rule 28-106.301, F.A.C.

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

Mediation: Mediation is not available for this proceeding.  
274509 CN 5/22/08

RECEIVED - D.E.P.

MAY 29 2008

SOUTH DISTRICT

RECEIVED

JUN 03 2008

BUREAU OF AIR REGULATION

CIRCUIT COURT OF THE  
JUDICIAL CIRCUIT IN  
DADE COUNTY, FLORIDA  
CIVIL ACTION  
CASE NO. 07-CA-241

F.S.B.

RAND  
SERRANO, et al.

**FORECLOSURE SALE**

PROPERTY GIVEN pursuant to a  
deed of Mortgage Foreclo-  
sure dated April 21, 2008 and entered  
in Case No. 07-CA-241 of the Circuit  
Court in the TWENTIETH Judicial Cir-  
cuit in DADE County, Florida.  
BY MAC BANK F.S.B. is the  
plaintiff. JAVIER E. SERRANO  
and RICHARD SERRANO are the De-  
fendants. The property will be sold to the highest bidder  
for cash at STEPS OF THE  
COUNTY COURTHOUSE at  
150 MARCH LANE, on the 29th day of May,  
2008, following described property  
in said Final Judgment:

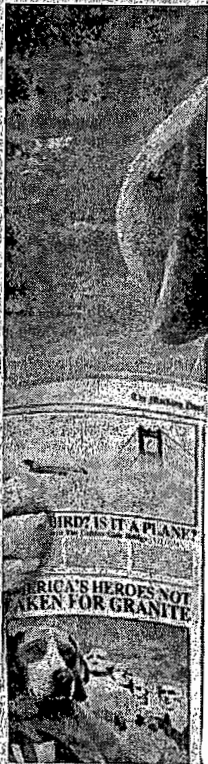
LOT 168, PORT LABELLE  
SUBDIVISION, ACCORD-  
ING TO PLAT THEREOF, AS RE-  
CORDED IN PLAT BOOK 3, PAGES 66  
AND 87 OF THE PUBLIC  
RECORDS OF DADE COUNTY,

150 MARCH LANE  
FL 33935

Any person claiming an interest in the  
property on the sale of any other  
property owner as of the date  
of this sale must file a claim  
with the Clerk of the Circuit Court  
(60) days after the sale.  
BY: RAND and the seal of this  
Court April 28, 2008

Job Flint  
Clerk of the Circuit Court

By: /s/ Jennifer Bevis  
Deputy Clerk  
in accordance with the Americans with  
Disabilities Act, persons needing a



Every  
Arou



111 Ponce de Leon  
Clewiston, Florida 33440

Certified Mail  
Return Receipt Request

May 27, 2008

Mr. Ajaya Satyal  
Florida Department of Environmental Protection – South District  
2295 Victoria Avenue, Suite 364  
P.O. Box 2549  
Ft. Myers, FL 33902-2549

RECEIVED  
JUN 03 2008  
BUREAU OF AIR REGULATION

RE: United States Sugar Corporation  
Clewiston Sugar Mill and Refinery  
Hendry County, Florida

Gentlemen:

We are enclosing the original Affidavit of Publication certifying that the "Public Notice of Intent to Issue an Air Permit" was published in the legal section of the May 22, 2008 issue of *The Clewiston News*.

Please advise if there is anything further that we need to provide in this respect.

Sincerely,

UNITED STATES SUGAR CORPORATION

A handwritten signature in black ink, appearing to read "Keith Tingberg".

Keith Tingberg  
Environmental Manager  
Sugar Manufacturing

Enclosure

Cc: Jeffrey Koerner, FDEP (w/copy)  
Neil Smith (w/copy)

RECEIVED - D.E.P.  
MAY 29 2008  
SOUTH DISTRICT

# The Clewiston News

Published Weekly

Clewiston, Florida

## AFFIDAVIT OF PUBLICATION

State of Florida  
County of Hendry

Before the undersigned authority, personally appeared Judy Kasten, who on oath says she is the Advertising Director of the Clewiston News, a weekly newspaper published at Clewiston in Hendry County, Florida,

that the attached copy of advertisement being a Public Notice

in the matter Public Notice of Intent to Issue Air Permit

in the 19th Judicial District of the circuit court, was published in said newspaper in the issue(s)

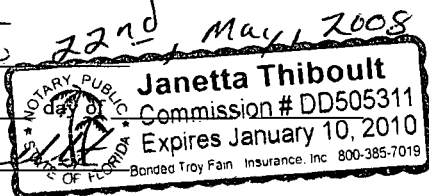
of 5/22/2008

Affiant further says that the said Clewiston News is a newspaper published at Clewiston, in said Hendry County, continuously published in said Hendry County, Florida, each week, and has been entered as periodicals matter at the post office in Clewiston, in said Hendry County, Florida, for a period of one year next preceding the first publication says that she has neither paid nor promised any person, firm or corporation any discount, rebate, commission or refund for the purpose of securing this advertisement for publication in the said newspaper.

Judy Kasten

Sworn to and subscribed before me this

Notary Public



### PUBLIC NOTICE OF INTENT TO ISSUE AIR PERMIT

Florida Department of Environmental Protection  
Division of Air Resource Management, Bureau of Air Regulation  
Draft Air Permit No. 0510003-045-AC  
U.S. Sugar Corporation, Clewiston Sugar Mill and Refinery  
Hendry County, Florida

**Applicant:** The applicant for this project is U.S. Sugar Corporation. The applicant's authorized representative and mailing address is: Mr. Neil Smith, VP of Sugar Processing Operations, 111 Ponce de Leon Avenue, Clewiston, Florida 33440.

**Facility Location:** U.S. Sugar Corporation operates the existing Clewiston sugar mill and refinery, which is located in Hendry County at the intersection of W.C. Owens Avenue and State Road 832 in Clewiston, Florida.

**Project:** The applicant proposes to install and operate a 300 horsepower package boiler at the existing facility. The boiler will be a rental unit brought on site during the refinery season (June 1st through September 30th) to operate when all other mill boilers are shut down due to repair or maintenance. The small boiler will be used to support the packaging operations. It will fire distillate oil or on-specification used oil fuel with a maximum sulfur content of 0.05% by weight at a maximum rate of 85 gallons per hour. The exact make and model of the rental unit may be different each year. Based on a requested restriction of 63,240 gallons of distillate oil firing per year, potential emissions of each criteria pollutant will be less than one ton per year. Therefore, the project is not subject to PSD preconstruction review pursuant to Rule 62-212.400 of the Florida Administrative Code (F.A.C.).

**Permitting Authority:** Applications for air construction permits are subject to review in accordance with the provisions of Chapter 403, Florida Statutes (F.S.) and F.A.C. Chapters 62-4, 62-210, and 62-212. The proposed project is not exempt from air permitting requirements and an air permit is required to perform the proposed work. The Bureau of Air Regulation is the Permitting Authority responsible for making a permit determination for this project. The Permitting Authority's physical address is: 111 South Magnolia Drive, Suite #4, Tallahassee, Florida. The Permitting Authority's mailing address is: 2600 Blair Stone Road, MS #505, Tallahassee, Florida 32399-2400. The Permitting Authority's telephone number is 850/488-0114.

**Project File:** A complete project file is available for public inspection during the normal business hours of 8:00 a.m. to 5:00 p.m., Monday through Friday (except legal holidays), at address indicated above for the Permitting Authority. The complete project file includes the Draft Permit, the Technical Evaluation and Preliminary Determination, the application, and the information submitted by the applicant, exclusive of confidential records under Section 403.111, F.S. Interested persons may contact the Permitting Authority's project review engineer for additional information at the address and phone number listed above. In addition, electronic copies of these documents are available on the following web site: <http://www.dep.state.fl.us/air/eprproducts/ands/default.asp>.

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**Comments:** The Permitting Authority will accept written comments concerning the proposed Draft Permit for a period of 14 days from the date of publication of the Public Notice. Written comments must be received by the Permitting Authority by close of business (5:00 p.m.) on or before the end of this 14-day period. If written comments received result in a significant change to the Draft Permit, the Permitting Authority shall revise the Draft Permit and require, if applicable, another Public Notice. All comments filed will be made available for

**Petitions:** A person whose substantial interests are affected by the proposed permitting decision may petition for an administrative hearing in accordance with Sections 120.569 and 120.57, F.S. The petition must contain the information set forth below and must be filed with (received by) the Department's Agency Clerk in the Office of General Counsel of the Department of Environmental Protection at 3900 Commonwealth Boulevard, Mail Station #35, Tallahassee, Florida 32399-3000. Petitions filed by any persons other than those entitled to written notice under Section 120.60(3), F.S. must be filed within 14 days of publication of this Public Notice or receipt of a written notice, whichever occurs first. Under Section 120.60(3), F.S., however, any person who asked the Permitting Authority for notice of agency action may file a petition within 14 days of receipt of that notice, regardless of the date of publication. A petitioner shall mail a copy of the petition to the applicant at the address indicated above, at the time of filing. The failure of any person to file a petition within the appropriate time period shall constitute a waiver of that person's right to request an administrative determination (hearing) under Sections 120.569 and 120.57, F.S., or to intervene in this proceeding and participate as a party to it. Any subsequent intervention (in a proceeding initiated by another party) will be only at the approval of the presiding officer upon the filing of a motion in compliance with Rule 28-106.205, F.A.C.

A petition that disputes the material facts on which the Permitting Authority's action is based must contain the following information: (a) The name and address of each agency affected and each agency's file or identification number, if known; (b) The name, address and telephone number of the petitioner; the name address and telephone number of the petitioner's representative, if any, which shall be the address for service purposes during the course of the proceeding; and an explanation of how the petitioner's substantial rights will be affected by the agency determination; (c) A statement of when and how the petitioner received notice of the agency action or proposed decision; (d) A statement of all disputed issues of material fact. If there are none, the petition must so state; (e) A concise statement of the ultimate facts alleged, including the specific facts the petitioner contends warrant reversal or modification of the agency's proposed action; (f) A statement of the specific rules or statutes the petitioner contends require reversal or modification of the agency's proposed action including an explanation of how the alleged facts relate to the specific rules or statutes; and, (g) A statement of the relief sought by the petitioner, stating precisely the action the petitioner wishes the agency to take with respect to the agency's proposed action. A petition that does not dispute the material facts upon which the Permitting Authority's action is based shall state that no such facts are in dispute and otherwise shall contain the same information as set forth above, as required by Rule 28-106.301, F.A.C.

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

**Mediation:** Mediation is not available for this proceeding.  
274509 CN 5/22/08

RECEIVED - D.E.P.

MAY 29 2008

SOUTH DISTRICT

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JUN 03 2008

BUREAU OF AIR REGULATION

TABLE 1  
CAPACITY REPORT AND EMISSIONS SUMMARY FOR U.S. SUGAR CLEWISTON MILL, 2007-2008 CROP SEASON

Boiler	Test Date	Permitted 24-Hour Steam Production Rate (lbs/hr)	Tested Steam Production Rate (lbs/hr)	% of Permitted Capacity (%)	Tested Heat Input Rate (lbs/hr)	Emission Rate Units	Emission Test Results												
							PM		NO <sub>x</sub>		CO		Non-Methane VOC		SO <sub>2</sub>		Ammonia Slip		
							Tested Emission Rate	Allowable Emissions <sup>1</sup>	Tested Emission Rate	Allowable Emissions <sup>1</sup>	Tested Emission Rate	Allowable Emissions <sup>1</sup>	Tested Emission Rate	Allowable Emissions <sup>1</sup>	Tested Emission Rate	Allowable Emissions <sup>b,i</sup>	Tested Emission Rate	Allowable Emissions <sup>1</sup>	
1	11/9/2007	255,000 <sup>a</sup>	184,322	72.3%	386	(lbs/MMBTU) (lbs/hr)	0.18 68.3	0.25 96.6	N/A		N/A		N/A		N/A		N/A		N/A
2	11/7/2007	230,000 <sup>a</sup>	155,075	67.4%	322	(lbs/MMBTU) (lbs/hr)	0.19 59.7	0.25 80.5	N/A		N/A		N/A		N/A		N/A		N/A
4	11/14/2007	285,000	269,659	94.6%	576	(lbs/MMBTU) (lbs/hr)	0.11 62.4	0.15 86.4	0.08 46.5	0.20 115.2	2.6 1,507.0	6.5 3,744.0	0.15 <sup>c</sup> 86.7 <sup>c</sup>	0.50 <sup>c</sup> 288.0 <sup>c</sup>	N/A N/A	0.06 <sup>c</sup> 34.5 <sup>c</sup>		N/A	
7	1/24/2008	350,000	347,725	99.4%	732	(lbs/MMBTU) (lbs/hr)	0.005 3.9	0.03 22.0	0.15 112.8	0.25 183.0	0.30 215.1	0.70 512.4	0.003 <sup>d</sup> 1.9 <sup>d</sup>	0.212 <sup>d</sup> 155.2 <sup>d</sup>	0.039 28.5	0.17 124.4		N/A	
8	11/30/2007	575,000	565,524	98.4%	1,046	(lbs/MMBTU) (lbs/hr)	0.015 15.6	0.025 26.1	0.14 <sup>h</sup> 145.0 <sup>h</sup>	0.14 <sup>g</sup> 146.4	495 <sup>h</sup> N/A	400 <sup>g</sup> N/A	0.025 <sup>e</sup> 25.54 <sup>e</sup>	0.05 <sup>e</sup> 52.3 <sup>e</sup>	0.014 14.4	0.06 62.7	20 <sup>f,j</sup> N/A	20 <sup>f</sup> N/A	

<sup>a</sup> Maximum 1-hour permitted steam rate. Boiler does not have permitted 24-hour steam rate.

<sup>b</sup> Allowable emissions based on burning combined bagasse and No. 6 fuel oil.

<sup>c</sup> Reported as propane.

<sup>d</sup> Reported as carbon.

<sup>e</sup> Only required during the federal fiscal year (October 1 to September 30) prior to renewal of the air operation permit.

<sup>f</sup> In units of ppmvd @ 7% oxygen.

<sup>g</sup> Based on CEMS data; 30-day rolling average.

<sup>h</sup> Based on an average of the CEMS data during the three runs.

<sup>i</sup> Based on Title-V Permit No. 0510003-017-AV and 0510003-037-AC.

<sup>j</sup> Ammonia slip was retested on January 25, 2008.

**Golder Associates Inc.**

6241 NW 23rd Street, Suite 500  
Gainesville, FL USA 32653  
Telephone (352) 336-5600  
Fax (352) 336-6603  
www.golder.com

March 24, 2008

Florida Department of Environmental Protection  
Twin Towers Office Building  
2600 Blair Stone Road  
Tallahassee, FL 32399-2400

Attention: Mr. Jeff Koerner, Professional Engineer Administrator

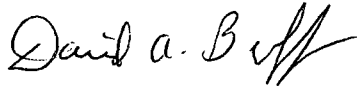
**RE: UNITED STATES SUGAR CORPORATION  
CLEWISTON MILL (FACILITY NO. 0510003)  
CAPACITY REPORT AND EMISSIONS SUMMARY  
2007-2008 CROP SEASON**

Dear Mr. Koerner:

Please find enclosed two (2) copies of the Capacity Report and Emissions Summary for the Clewiston Mill. This report was required under Permit No. 0510003-022-AC, issued June 3, 2003. If you have any questions, please do not hesitate to call me at (352) 336-5600.

Sincerely,

**GOLDER ASSOCIATES INC.**



David A. Buff, P.E., Q.E.P.  
Principal Engineer



E. Claire Booth, E.I.  
Staff Engineer

cc: Ajaya Satyal, FDEP South District  
Keith Tingberg, USSC  
Bret Nesbitt, USSC

Enclosures

DB/CB/sl

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0738-7595

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MAR 25 2008

BUREAU OF AIR REGULATION



**TABLE 1  
CAPACITY REPORT AND EMISSIONS SUMMARY FOR U.S. SUGAR CLEWISTON MILL, 2007-2008 CROP SEASON**

Boiler	Test Date	Permitted 24-Hour Steam Production Rate (lbs/hr)	Tested Steam Production Rate (lbs/hr)	% of Permitted Capacity (%)	Tested Heat Input Rate (lbs/hr)	Emission Rate Units	Emission Test Results											
							PM		NO <sub>x</sub>		CO		Non-Methane VOC		SO <sub>2</sub>		Ammonia Slip	
							Tested Emission Rate	Allowable Emissions <sup>i</sup>	Tested Emission Rate	Allowable Emissions <sup>i</sup>	Tested Emission Rate	Allowable Emissions <sup>i</sup>	Tested Emission Rate	Allowable Emissions <sup>i</sup>	Tested Emission Rate	Allowable Emissions <sup>bi</sup>	Tested Emission Rate	Allowable Emissions <sup>i</sup>
1	11/9/2007	255,000 <sup>a</sup>	184,322	72.3%	386	(lbs/MMBTU) (lbs/hr)	0.18 68.3	0.25 96.6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
2	11/7/2007	230,000 <sup>a</sup>	155,075	67.4%	322	(lbs/MMBTU) (lbs/hr)	0.19 59.7	0.25 80.5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
4	11/14/2007	285,000	269,659	94.6%	576	(lbs/MMBTU) (lbs/hr)	0.11 62.4	0.15 86.4	0.08 46.5	0.20 115.2	2.6 1,507.0	6.5 3,744.0	0.15 <sup>c</sup> 86.7 <sup>c</sup>	0.50 <sup>c</sup> 288.0 <sup>c</sup>	N/A N/A	0.06 <sup>c</sup> 34.5 <sup>c</sup>	N/A	
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8	11/30/2007	575,000	565,524	98.4%	1,046	(lbs/MMBTU) (lbs/hr)	0.015 15.6	0.025 26.1	0.14 <sup>h</sup> 145.0 <sup>h</sup>	0.14 <sup>g</sup> 146.4	495 <sup>fh</sup> N/A	400 <sup>fg</sup> N/A	0.025 <sup>c</sup> 25.54 <sup>c</sup>	0.05 <sup>c</sup> 52.3 <sup>c</sup>	0.014 14.4	0.06 62.7	20 <sup>fi</sup> N/A	20 <sup>f</sup> N/A

<sup>a</sup> Maximum 1-hour permitted steam rate. Boiler does not have permitted 24-hour steam rate.

<sup>b</sup> Allowable emissions based on burning combined bagasse and No. 6 fuel oil.

<sup>c</sup> Reported as propane.

<sup>d</sup> Reported as carbon.

<sup>e</sup> Only required during the federal fiscal year (October 1 to September 30) prior to renewal of the air operation permit.

<sup>f</sup> In units of ppmvd @ 7% oxygen.

<sup>g</sup> Based on CEMS data; 30-day rolling average.

<sup>h</sup> Based on an average of the CEMS data during the three runs.

<sup>i</sup> Based on Title-V Permit No. 0510003-017-AV and 0510003-037-AC.

<sup>j</sup> Ammonia slip was retested on January 25, 2008.

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Telephone (352) 336-5600  
Fax (352) 336-6603  
www.golder.com



March 21, 2008

Florida Department of Environmental Protection  
Bureau of Air Quality  
2600 Blair Stone Road  
Tallahassee, Florida 32399-2400

RECEIVED 0738-7595

MAR 25 2008

BUREAU OF AIR REGULATION

Attention: Jeff Koerner, P.E., Professional Engineer Administrator

**RE: UNITED STATES SUGAR CORPORATION – FACILITY ID NO. 0510003  
AUTHORIZATION REQUEST FOR TEMPORARY BOILER OPERATION**

*0510003-045-AC*

Dear Mr. Koerner:

United States Sugar Corporation (U.S. Sugar) owns and operates a sugar mill and refinery located in Clewiston, Florida. The mill and refinery currently operate under Title V Permit No. 0510003-017-AV (draft renewal Title V Permit No. 0510003-032-AV received February 8, 2008). The Clewiston Mill consists of five boilers fired primarily by bagasse, a carbon regeneration system, miscellaneous particulate matter sources associated with the sugar refinery and biomass handling and storage, and other equipment to manufacture raw and refined sugar from sugarcane. Additionally, there are two silos located at the Molasses Plant: a limestone silo and a salt silo.

Normally, steam from the existing boilers at the Mill is used to support sugar refining and sugar packaging operations at the facility. Although the existing Title V permit allows continuous operation of the existing boilers, only one or two boilers are typically operated during the off-season to support the refinery operations. However, beginning around June 1 to September 30 of this year, all the Mill boilers will be shut down for planned maintenance. Although most of the refinery operations will also be shut down during this period, sugar packaging operations will continue, which require a small amount of steam. Since the Mill boilers will be shut down, U.S. Sugar is planning to rent a trailer-mounted, 300-horsepower boiler to provide the necessary steam for their packaging operations. A similar request was submitted last year, in which an exemption from the requirement to obtain an air construction permit was obtained.

U.S. Sugar is submitting the following information to the Department to request authorization to operate this boiler for no more than a total of 744 hours during the period from June 1 to September 30, only when all other boilers at the Mill are shut down:

Manufacturer: York Shipley  
Model No.: 476SPHV-300-N/2  
Serial No.: A53-283W  
Year of Manufacture: 1984  
Maximum Heat Input Rate: 12 million British thermal units per hour (MMBtu/hr)  
Fuel Fired: No. 2 fuel oil  
Maximum Fuel Oil Sulfur Content: 0.05 percent  
Maximum Fuel Oil Firing Rate: 85 gallons per hour (gph)

Since this boiler was manufactured prior to June 9, 1989, New Source Performance Standards (NSPS), Subpart Dc, is not applicable.

Rule 62-296.406, Florida Administrative Code (F.A.C.), commonly referred to as the Small Boiler BACT, is not applicable to the proposed boiler because it is an insignificant emission unit as defined in Rule 62-213.430(6)(c).

Hourly and annual emissions rates, assuming the proposed limit of 744 hours of operation, are presented in Table 1. No vendor emission factors were available for the rental boiler; therefore, AP-42 emission factors were used to estimate emissions.

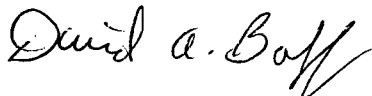
Based on the information provided in this letter, U.S. Sugar requests approval from the Department to operate the rental boiler described in this correspondence as a temporary source pursuant to Rule 62-4.040(1)(b), F.A.C.

Since U.S. Sugar anticipates the need for steam during subsequent summers, an application for concurrent air construction and Title V permit processing is included with this correspondence to request that use of a package boiler during the summer months, to support the refinery operation, be a permanent mode of operation.

If you have any questions concerning this correspondence, please contact me at (352) 336-5600. Thank you for your prompt attention to this matter as U.S. Sugar desires to begin operation of this boiler by June 1, 2008.

Sincerely,

**GOLDER ASSOCIATES INC.**



David A. Buff, P.E., Q.E.P.  
Principal Engineer



Claire Booth, E.I.  
Staff Engineer

DB/sl

Enclosures

cc: K. Tingberg

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**TABLE 1  
UNITED STATES SUGAR CORPORATION, CLEWISTON MILL  
PACKAGE BOILER**

<b>Regulated Pollutant</b>	<b>Emission Factor (lb/MMBtu)</b>	<b>Ref.</b>	<b>Activity Factor <sup>a</sup> (MMBtu/hr)</b>	<b>Activity Factor <sup>b</sup> (MMBtu/yr)</b>	<b>Hourly Emissions (lb/hr)</b>	<b>Annual Emissions (TPY)</b>
Particulate Matter (PM)	0.014	1	12	8,928	0.17	0.064
Particulate Matter (PM <sub>10</sub> )	0.014	1	12	8,928	0.17	0.064
Particulate Matter (PM <sub>2.5</sub> )	0.014	1	12	8,928	0.17	0.064
Sulfur dioxide (SO <sub>2</sub> )	0.051	2	12	8,928	0.61	0.23
Nitrogen oxides (NO <sub>x</sub> )	0.14	3	12	8,928	1.71	0.64
Carbon monoxide (CO)	0.036	3	12	8,928	0.43	0.16
Volatile Organic Compounds (VOC)	0.0024	3	12	8,928	0.029	0.011
Sulfuric acid mist (SAM)	0.0031	4	12	8,928	0.04	0.014
Lead (Pb)	9.00E-06	3	12	8,928	1.08E-04	4.02E-05
Mercury (Hg)	3.00E-06	3	12	8,928	3.60E-05	1.34E-05

References:

1. Based on AP-42, Chapter 1.3, *Fuel Oil Combustion*, Table 1.3-2, for No. 2 fuel oil.
2. Based on a requested maximum sulfur content of the No. 2 fuel oil fired in the boiler of 0.05%.  
 $(7.2 \text{ lb/gal}) \times (0.05 \text{ lb S/100 lb oil}) \times (2 \text{ lb SO}_2/\text{lb S}) \times (\text{gal}/136,000 \text{ Btu}) \times (1\text{E}6 \text{ Btu/MMBtu}) = 0.051 \text{ lb/MMBtu}$
3. Based on AP-42, Chapter 1.3, *Fuel Oil Combustion*, Tables 1.3-1, 1.3-3, and 1.3-10.
4. Based on derivation of sulfuric acid mist from AP-42 for fuel oil.

Footnotes:

- <sup>a</sup> The maximum heat input rate is 12 MMBtu/hr for No. 2 fuel oil calculated using the manufacturer's reported fuel usage rate of 85 gallons per hour. Heating value for No. 2 fuel oil was assumed to be 136,000 Btu/gal.  
 $85 \text{ gallons/hour} \times 136,000 \text{ Btu/gal} \times (\text{MMBtu}/1 \times 10^6 \text{ Btu}) = 12 \text{ MMBtu/hr}$
- <sup>b</sup> Based on a requested limit on operating hours of 744 hours per year.

Sample Calculations:

Hourly Emissions = Emission Factor x Activity Factor  
 Annual Emissions = Activity Factor (MMBtu/yr) x Emission Factor (lb/MMBtu) / 2,000 (lb/ton)

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**MAR 25 2008**

**BUREAU OF AIR REGULATION**

**AIR CONSTRUCTION PERMIT APPLICATION  
AND TITLE V PERMIT REVISION  
FOR A PACKAGE BOILER  
AT THE CLEWISTON MILL  
HENRY COUNTY, FLORIDA**

**Prepared For:**

**United States Sugar Corporation  
111 Ponce de Leon Avenue  
Clewiston, Florida 33440**

**Prepared By:**

**Golder Associates Inc.  
6241 NW 23rd Street, Suite 500  
Gainesville, Florida 32653-1500**

**March 2008**

**0738-7595**

**DISTRIBUTION:**

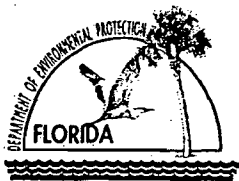
**4 Copies - FDEP**

**2 Copies - USSC**

**1 Copy - Golder Associates Inc.**

**APPLICATION FOR AIR PERMIT**

**LONG FORM**



# Department of Environmental Protection

## Division of Air Resource Management

### APPLICATION FOR AIR PERMIT - LONG FORM

#### I. APPLICATION INFORMATION

**Air Construction Permit** – Use this form to apply for an air construction permit for a proposed project:

- subject to prevention of significant deterioration (PSD) review, nonattainment area (NAA) new source review, or maximum achievable control technology (MACT) review; or
- where the applicant proposes to assume a restriction on the potential emissions of one or more pollutants to escape a federal program requirement such as PSD review, NAA new source review, Title V, or MACT; or
- at an existing federally enforceable state air operation permit (FESOP) or Title V permitted facility.

**Air Operation Permit** – Use this form to apply for:

- an initial federally enforceable state air operation permit (FESOP); or
- an initial/revised/renewal Title V air operation permit.

**Air Construction Permit & Revised/Renewal Title V Air Operation Permit (Concurrent Processing Option)**

– Use this form to apply for both an air construction permit and a revised or renewal Title V air operation permit incorporating the proposed project.

To ensure accuracy, please see form instructions.

#### Identification of Facility

1. Facility Owner/Company Name: <b>United States Sugar Corporation</b>	
2. Site Name: <b>Clewiston Mill</b>	
3. Facility Identification Number: <b>0510003</b>	
4. Facility Location...: Street Address or Other Locator: <b>W.C. Owens Ave. and S.R. 832</b> City: <b>Clewiston</b> County: <b>Hendry</b> Zip Code: <b>33440</b>	
5. Relocatable Facility? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	6. Existing Title V Permitted Facility? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No

#### Application Contact

1. Application Contact Name: <b>Keith Tingberg, Corporate Environmental Manager</b>	
2. Application Contact Mailing Address... Organization/Firm: <b>United States Sugar Corporation</b> Street Address: <b>111 Ponce de Leon Avenue</b> City: <b>Clewiston</b> State: <b>Florida</b> Zip Code: <b>33440</b>	
3. Application Contact Telephone Numbers... Telephone: <b>(863) 902-3186</b> ext. Fax: <b>(863) 902-2729</b>	
4. Application Contact Email Address: <b>ktingberg@ussugar.com</b>	

#### Application Processing Information (DEP Use)

1. Date of Receipt of Application:	<b>3/25/08</b>
2. Project Number(s):	<b>0510003-045-AC</b>
3. PSD Number (if applicable):	
4. Siting Number (if applicable):	

## APPLICATION INFORMATION

### Purpose of Application

**This application for air permit is submitted to obtain: (Check one)**

#### **Air Construction Permit**

- Air construction permit.

#### **Air Operation Permit**

- Initial Title V air operation permit.  
 Title V air operation permit revision.  
 Title V air operation permit renewal.  
 Initial federally enforceable state air operation permit (FESOP) where professional engineer (PE) certification is required.  
 Initial federally enforceable state air operation permit (FESOP) where professional engineer (PE) certification is not required.

#### **Air Construction Permit and Revised/Renewal Title V Air Operation Permit (Concurrent Processing)**

- Air construction permit and Title V permit revision, incorporating the proposed project.  
 Air construction permit and Title V permit renewal, incorporating the proposed project.

**Note: By checking one of the above two boxes, you, the applicant, are requesting concurrent processing pursuant to Rule 62-213.405, F.A.C. In such case, you must also check the following box:**

- I hereby request that the department waive the processing time requirements of the air construction permit to accommodate the processing time frames of the Title V air operation permit.

### Application Comment

This application is to revise the Title V Air Operation Permit No. 0510003-032-AV to include the use of a package boiler to supply steam to the sugar refinery packaging operations while the existing boilers are shut down.



**APPLICATION INFORMATION**

**Scope of Application**

<b>Emissions Unit ID Number</b>	<b>Description of Emissions Unit</b>	<b>Air Permit Type</b>	<b>Air Permit Proc. Fee</b>
	Package Boiler		

**Application Processing Fee**

Check one:  Attached - Amount: \$ \_\_\_\_\_  Not Applicable

# APPLICATION INFORMATION

## Owner/Authorized Representative Statement

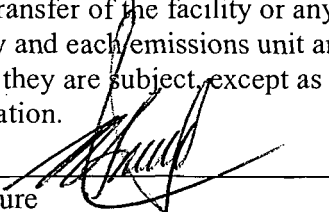
**Complete if applying for an air construction permit or an initial FESOP.**

1. Owner/Authorized Representative Name :
2. Owner/Authorized Representative Mailing Address... Organization/Firm: Street Address: City: State: Zip Code:
3. Owner/Authorized Representative Telephone Numbers... Telephone: ( ) - ext. Fax: ( ) -
4. Owner/Authorized Representative Email Address:
5. Owner/Authorized Representative Statement:  <i>I, the undersigned, am the owner or authorized representative of the facility addressed in this air permit application. I hereby certify, based on information and belief formed after reasonable inquiry, that the statements made in this application are true, accurate and complete and that, to the best of my knowledge, any estimates of emissions reported in this application are based upon reasonable techniques for calculating emissions. The air pollutant emissions units and air pollution control equipment described in this application will be operated and maintained so as to comply with all applicable standards for control of air pollutant emissions found in the statutes of the State of Florida and rules of the Department of Environmental Protection and revisions thereof and all other requirements identified in this application to which the facility is subject. I understand that a permit, if granted by the department, cannot be transferred without authorization from the department, and I will promptly notify the department upon sale or legal transfer of the facility or any permitted emissions unit.</i>  _____ Signature  _____ Date

**APPLICATION INFORMATION**

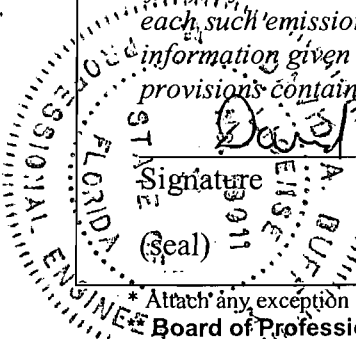
**Application Responsible Official Certification**

**Complete if applying for an initial/revised/renewal Title V permit or concurrent processing of an air construction permit and a revised/renewal Title V permit. If there are multiple responsible officials, the "application responsible official" need not be the "primary responsible official."**

1. Application Responsible Official Name: <b>Neil Smith, Vice President and General Manager, Sugar Processing Operations</b>
2. Application Responsible Official Qualification (Check one or more of the following options, as applicable): <input checked="" type="checkbox"/> For a corporation, the president, secretary, treasurer, or vice-president of the corporation in charge of a principal business function, or any other person who performs similar policy or decision-making functions for the corporation, or a duly authorized representative of such person if the representative is responsible for the overall operation of one or more manufacturing, production, or operating facilities applying for or subject to a permit under Chapter 62-213, F.A.C. <input type="checkbox"/> For a partnership or sole proprietorship, a general partner or the proprietor, respectively. <input type="checkbox"/> For a municipality, county, state, federal, or other public agency, either a principal executive officer or ranking elected official. <input type="checkbox"/> The designated representative at an Acid Rain source.
3. Application Responsible Official Mailing Address... Organization/Firm: <b>United States Sugar Corporation</b> Street Address: <b>111 Ponce de Leon Avenue</b> City: <b>Clewiston</b> State: <b>Florida</b> Zip Code: <b>33440</b>
4. Application Responsible Official Telephone Numbers... Telephone: <b>(863) 902-2703</b> ext. Fax: <b>(863) 902-2729</b>
5. Application Responsible Official Email Address: <b>nsmith@ussugar.com</b>
6. Application Responsible Official Certification: I, the undersigned, am a responsible official of the Title V source addressed in this air permit application. I hereby certify, based on information and belief formed after reasonable inquiry, that the statements made in this application are true, accurate and complete and that, to the best of my knowledge, any estimates of emissions reported in this application are based upon reasonable techniques for calculating emissions. The air pollutant emissions units and air pollution control equipment described in this application will be operated and maintained so as to comply with all applicable standards for control of air pollutant emissions found in the statutes of the State of Florida and rules of the Department of Environmental Protection and revisions thereof and all other applicable requirements identified in this application to which the Title V source is subject. I understand that a permit, if granted by the department, cannot be transferred without authorization from the department, and I will promptly notify the department upon sale or legal transfer of the facility or any permitted emissions unit. Finally, I certify that the facility and each emissions unit are in compliance with all applicable requirements to which they are subject, except as identified in compliance plan(s) submitted with this application.  Signature  Date <u>3/20/09</u>

**APPLICATION INFORMATION**

**Professional Engineer Certification**

1. Professional Engineer Name: <b>David A. Buff</b> Registration Number: <b>19011</b>
2. Professional Engineer Mailing Address... Organization/Firm: <b>Golder Associates Inc.**</b> Street Address: <b>6241 NW 23<sup>rd</sup> Street, Suite 500</b> City: <b>Gainesville</b> State: <b>FL</b> Zip Code: <b>32653-1500</b>
3. Professional Engineer Telephone Numbers... Telephone: <b>(352) 336-5600</b> ext. <b>545</b> Fax: <b>(352) 336-6603</b>
4. Professional Engineer Email Address: <b>dbuff@golder.com</b>
5. Professional Engineer Statement: <i>I, the undersigned, hereby certify, except as particularly noted herein*, that:</i> <i>(1) To the best of my knowledge, there is reasonable assurance that the air pollutant emissions unit(s) and the air pollution control equipment described in this application for air permit, when properly operated and maintained, will comply with all applicable standards for control of air pollutant emissions found in the Florida Statutes and rules of the Department of Environmental Protection; and</i> <i>(2) To the best of my knowledge, any emission estimates reported or relied on in this application are true, accurate, and complete and are either based upon reasonable techniques available for calculating emissions or, for emission estimates of hazardous air pollutants not regulated for an emissions unit addressed in this application, based solely upon the materials, information and calculations submitted with this application.</i> <i>(3) If the purpose of this application is to obtain a Title V air operation permit (check here <input type="checkbox"/>, if so), I further certify that each emissions unit described in this application for air permit, when properly operated and maintained, will comply with the applicable requirements identified in this application to which the unit is subject, except those emissions units for which a compliance plan and schedule is submitted with this application.</i> <i>(4) If the purpose of this application is to obtain an air construction permit (check here <input type="checkbox"/>, if so) or concurrently process and obtain an air construction permit and a Title V air operation permit revision or renewal for one or more proposed new or modified emissions units (check here <input checked="" type="checkbox"/>, if so), I further certify that the engineering features of each such emissions unit described in this application have been designed or examined by me or individuals under my direct supervision and found to be in conformity with sound engineering principles applicable to the control of emissions of the air pollutants characterized in this application.</i> <i>(5) If the purpose of this application is to obtain an initial air operation permit or operation permit revision or renewal for one or more newly constructed or modified emissions units (check here <input type="checkbox"/>, if so), I further certify that, with the exception of any changes detailed as part of this application, each such emissions unit has been constructed or modified in substantial accordance with the information given in the corresponding application for air construction permit and with all provisions contained in such permit.</i>  <div style="display: flex; justify-content: space-between;"> <div style="text-align: center;">  <p>Signature <u>David A. Buff</u></p> </div> <div style="text-align: center;"> <p>Date <u>3/10/08</u></p> </div> </div>

\* Attach any exception to certification statement.  
Board of Professional Engineers Certificate of Authorization #00001670

## II. FACILITY INFORMATION

### A. GENERAL FACILITY INFORMATION

#### Facility Location and Type

<p>1. Facility UTM Coordinates...</p> <p style="margin-left: 20px;">Zone 17      East (km)    <b>506.1</b></p> <p style="margin-left: 40px;">North (km)    <b>2956.9</b></p>	<p>2. Facility Latitude/Longitude...</p> <p style="margin-left: 20px;">Latitude (DD/MM/SS)    <b>26/44/06</b></p> <p style="margin-left: 20px;">Longitude (DD/MM/SS)   <b>80/56/19</b></p>		
<p>3. Governmental Facility Code:</p> <p style="margin-left: 20px;"><b>0</b></p>	<p>4. Facility Status Code:</p> <p style="margin-left: 20px;"><b>A</b></p>	<p>5. Facility Major Group SIC Code:</p> <p style="margin-left: 20px;"><b>20</b></p>	<p>6. Facility SIC(s):</p> <p style="margin-left: 20px;"><b>2061</b></p> <p style="margin-left: 20px;"><b>2062</b></p>
<p>7. Facility Comment :</p>			

#### Facility Contact

<p>1. Facility Contact Name:</p> <p style="margin-left: 20px;"><b>Keith Tingberg, Corporate Environmental Manager</b></p>
<p>2. Facility Contact Mailing Address...</p> <p style="margin-left: 20px;">Organization/Firm: <b>United States Sugar Corporation</b></p> <p style="margin-left: 20px;">Street Address: <b>111 Ponce de Léon Avenue</b></p> <p style="margin-left: 40px;">City: <b>Clewiston</b>                      State: <b>Florida</b>                      Zip Code: <b>33440</b></p>
<p>3. Facility Contact Telephone Numbers:</p> <p style="margin-left: 20px;">Telephone: <b>(863) 902-3186</b>                      ext.                      Fax: <b>(863) 902-2729</b></p>
<p>4. Facility Contact Email Address: <b>ktingberg@ussugar.com</b></p>

#### Facility Primary Responsible Official

**Complete if an "application responsible official" is identified in Section I. that is not the facility "primary responsible official."**

<p>1. Facility Primary Responsible Official Name:</p>
<p>2. Facility Primary Responsible Official Mailing Address...</p> <p style="margin-left: 20px;">Organization/Firm:</p> <p style="margin-left: 20px;">Street Address:</p> <p style="margin-left: 40px;">City:                      State:                      Zip Code:</p>
<p>3. Facility Primary Responsible Official Telephone Numbers...</p> <p style="margin-left: 20px;">Telephone: (   ) -                      ext.                      Fax: (   ) -</p>
<p>4. Facility Primary Responsible Official Email Address:</p>

## FACILITY INFORMATION

### Facility Regulatory Classifications

Check all that would apply *following* completion of all projects and implementation of all other changes proposed in this application for air permit. Refer to instructions to distinguish between a “major source” and a “synthetic minor source.”

1. <input type="checkbox"/> Small Business Stationary Source	<input type="checkbox"/> Unknown
2. <input type="checkbox"/> Synthetic Non-Title V Source	
3. <input checked="" type="checkbox"/> Title V Source	
4. <input checked="" type="checkbox"/> Major Source of Air Pollutants, Other than Hazardous Air Pollutants (HAPs)	
5. <input type="checkbox"/> Synthetic Minor Source of Air Pollutants, Other than HAPs	
6. <input checked="" type="checkbox"/> Major Source of Hazardous Air Pollutants (HAPs)	
7. <input type="checkbox"/> Synthetic Minor Source of HAPs	
8. <input checked="" type="checkbox"/> One or More Emissions Units Subject to NSPS (40 CFR Part 60)	
9. <input type="checkbox"/> One or More Emissions Units Subject to Emission Guidelines (40 CFR Part 60)	
10. <input type="checkbox"/> One or More Emissions Units Subject to NESHAP (40 CFR Part 61 or Part 63)	
11. <input type="checkbox"/> Title V Source Solely by EPA Designation (40 CFR 70.3(a)(5))	
12. Facility Regulatory Classifications Comment:	

## FACILITY INFORMATION

### List of Pollutants Emitted by Facility

1. Pollutant Emitted	2. Pollutant Classification	3. Emissions Cap [Y or N]?
Particulate Matter Total - PM	A	N
Sulfur Dioxide - SO <sub>2</sub>	A	N
Nitrogen Oxides - NO <sub>x</sub>	A	N
Carbon Monoxide - CO	A	N
Particulate Matter - PM <sub>10</sub>	A	N
Sulfuric Acid Mist - SAM	A	N
Total Hazardous Air Pollutants - HAPs	A	N
Volatile Organic Compounds - VOC	A	N
Acetaldehyde - H001	A	N
Acrolein - H006	A	N
Benzene - H017	A	N
P-Cresol - H052	A	N
Formaldehyde - H095	A	N
Hydrogen Chloride - H106	A	N
Mercury - H114	B	N
Naphthalene - H132	A	N
Phenol - H144	A	N
Polycyclic Organic Matter - H151	A	N
Styrene - H163	A	N
Toluene - H169	A	N
Dibenzofuran - H058	A	N
Ammonia - NH <sub>3</sub>	B	N
Manganese Cmpds - H113	A	N

**FACILITY INFORMATION**

**B. EMISSIONS CAPS**

Facility-Wide or Multi-Unit Emissions Caps

1. Pollutant Subject to Emissions Cap	2. Facility Wide Cap [Y or N]? (all units)	3. Emissions Unit ID Nos. Under Cap (if not all units)	4. Hourly Cap (lb/hr)	5. Annual Cap (ton/yr)	6. Basis for Emissions Cap
7. Facility-Wide or Multi-Unit Emissions Cap Comment:					



## FACILITY INFORMATION

### C. FACILITY ADDITIONAL INFORMATION

#### Additional Requirements for All Applications, Except as Otherwise Stated

1. Facility Plot Plan: (Required for all permit applications, except Title V air operation permit revision applications if this information was submitted to the department within the previous five years and would not be altered as a result of the revision being sought) <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Previously Submitted, Date: <b>May 2005</b>
2. Process Flow Diagram(s): (Required for all permit applications, except Title V air operation permit revision applications if this information was submitted to the department within the previous five years and would not be altered as a result of the revision being sought) <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Previously Submitted, Date: <b>May 2005</b>
3. Precautions to Prevent Emissions of Unconfined Particulate Matter: (Required for all permit applications, except Title V air operation permit revision applications if this information was submitted to the department within the previous five years and would not be altered as a result of the revision being sought) <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Previously Submitted, Date: <b>May 2005</b>

#### Additional Requirements for Air Construction Permit Applications

1. Area Map Showing Facility Location: <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable (existing permitted facility)
2. Description of Proposed Construction or Modification: <input checked="" type="checkbox"/> Attached, Document ID: <b>Attachment A</b>
3. Rule Applicability Analysis: <input checked="" type="checkbox"/> Attached, Document ID: <b>Attachment A</b>
4. List of Exempt Emissions Units (Rule 62-210.300(3)(a) or (b)1., F.A.C.): <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable (no exempt units at facility)
5. Fugitive Emissions Identification (Rule 62-212.400(2), F.A.C.): <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable
6. Preconstruction Air Quality Monitoring and Analysis (Rule 62-212.400(5)(f), F.A.C.): <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable
7. Ambient Impact Analysis (Rule 62-212.400(5)(d), F.A.C.): <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable
8. Air Quality Impact since 1977 (Rule 62-212.400(5)(h)5., F.A.C.): <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable
9. Additional Impact Analyses (Rules 62-212.400(5)(e)1. and 62-212.500(4)(e), F.A.C.): <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable
10. Alternative Analysis Requirement (Rule 62-212.500(4)(g), F.A.C.): <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable

## FACILITY INFORMATION

### Additional Requirements for FESOP Applications

1. List of Exempt Emissions Units (Rule 62-210.300(3)(a) or (b)1., F.A.C.):  
 Attached, Document ID: \_\_\_\_\_  Not Applicable (no exempt units at facility)

### Additional Requirements for Title V Air Operation Permit Applications

1. List of Insignificant Activities (Required for initial/renewal applications only):  
 Attached, Document ID: \_\_\_\_\_  Not Applicable (revision application)
2. Identification of Applicable Requirements (Required for initial/renewal applications, and for revision applications if this information would be changed as a result of the revision being sought):  
 Attached, Document ID: \_\_\_\_\_  
 Not Applicable (revision application with no change in applicable requirements)
3. Compliance Report and Plan (Required for all initial/revision/renewal applications):  
 Attached, Document ID: **USSC-FI-CV3**  
Note: A compliance plan must be submitted for each emissions unit that is not in compliance with all applicable requirements at the time of application and/or at any time during application processing. The department must be notified of any changes in compliance status during application processing.
4. List of Equipment/Activities Regulated under Title VI (If applicable, required for initial/renewal applications only):  
 Attached, Document ID: \_\_\_\_\_  
 Equipment/Activities On site but Not Required to be Individually Listed  
 Not Applicable
5. Verification of Risk Management Plan Submission to EPA (If applicable, required for initial/renewal applications only) :  
 Attached, Document ID: \_\_\_\_\_  Not Applicable
6. Requested Changes to Current Title V Air Operation Permit:  
 Attached, Document ID: **Attachment A**  Not Applicable

### Additional Requirements Comment

This application is to revise the Title V Air Operation Permit No. 0510003-032-AV to include the use of a package boiler to supply steam to the sugar refinery packaging operations while the existing Mill boilers are shut down.

**ATTACHMENT USSC – FI – CV3**

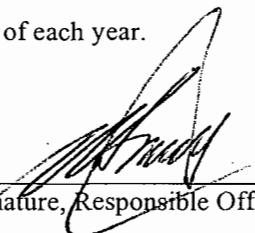
**COMPLIANCE REPORT AND PLAN**

**ATTACHMENT USSC-FI-CV3  
COMPLIANCE REPORT AND PLAN**

United States Sugar Corporation certifies that the Clewiston Mill, as of the date of this application, is in compliance with each applicable requirement addressed in this Title V air permit revision application.

I, the undersigned, am the responsible official as defined in Chapter 62-213, F.A.C., of the Title V source for which this report is being submitted. I hereby certify, based on information and belief formed after reasonable inquiry, that the statements made and data contained in this report are true, accurate, and complete.

Compliance statements for this facility will be submitted on an annual basis to FDEP, on or before March 1st of each year.

  
\_\_\_\_\_  
Signature, Responsible Official

3/20/08  
\_\_\_\_\_  
Date

## EMISSIONS UNIT INFORMATION

Section [1]  
Package Boiler

### III. EMISSIONS UNIT INFORMATION

**Title V Air Operation Permit Application** - For Title V air operation permitting only, emissions units are classified as regulated, unregulated, or insignificant. If this is an application for Title V air operation permit, a separate Emissions Unit Information Section (including subsections A through I as required) must be completed for each regulated and unregulated emissions unit addressed in this application for air permit. Some of the subsections comprising the Emissions Unit Information Section of the form are optional for unregulated emissions units. Each such subsection is appropriately marked. Insignificant emissions units are required to be listed at Section II, Subsection C.

**Air Construction Permit or FESOP Application** - For air construction permitting or federally enforceable state air operation permitting, emissions units are classified as either subject to air permitting or exempt from air permitting. The concept of an "unregulated emissions unit" does not apply. If this is an application for air construction permit or FESOP, a separate Emissions Unit Information Section (including subsections A through I as required) must be completed for each emissions unit subject to air permitting addressed in this application for air permit. Emissions units exempt from air permitting are required to be listed at Section II, Subsection C.

**Air Construction Permit and Revised/Renewal Title V Air Operation Permit Application** - Where this application is used to apply for both an air construction permit and a revised/renewal Title V air operation permit, each emissions unit is classified as either subject to air permitting or exempt from air permitting for air construction permitting purposes and as regulated, unregulated, or insignificant for Title V air operation permitting purposes. **The air construction permitting classification must be used to complete the Emissions Unit Information Section of this application for air permit.** A separate Emissions Unit Information Section (including subsections A through I as required) must be completed for each emissions unit subject to air permitting addressed in this application for air permit. Emissions units exempt from air construction permitting and insignificant emissions units are required to be listed at Section II, Subsection C.

If submitting the application form in hard copy, the number of this Emissions Unit Information Section and the total number of Emissions Unit Information Sections submitted as part of this application must be indicated in the space provided at the top of each page.

# EMISSIONS UNIT INFORMATION

Section [1]  
Package Boiler

## A. GENERAL EMISSIONS UNIT INFORMATION

### Title V Air Operation Permit Emissions Unit Classification

1. Regulated or Unregulated Emissions Unit? (Check one, if applying for an initial, revised or renewal Title V air operation permit. Skip this item if applying for an air construction permit or FESOP only.)
- The emissions unit addressed in this Emissions Unit Information Section is a regulated emissions unit.
- The emissions unit addressed in this Emissions Unit Information Section is an unregulated emissions unit.

### Emissions Unit Description and Status

1. Type of Emissions Unit Addressed in this Section: (Check one)
- This Emissions Unit Information Section addresses, as a single emissions unit, a single process or production unit, or activity, which produces one or more air pollutants and which has at least one definable emission point (stack or vent).
- This Emissions Unit Information Section addresses, as a single emissions unit, a group of process or production units and activities which has at least one definable emission point (stack or vent) but may also produce fugitive emissions.
- This Emissions Unit Information Section addresses, as a single emissions unit, one or more process or production units and activities which produce fugitive emissions only.

2. Description of Emissions Unit Addressed in this Section:  
**Package Boiler**

3. Emissions Unit Identification Number:

4. Emissions Unit Status Code: <b>A</b>	5. Commence Construction Date:	6. Initial Startup Date:	7. Emissions Unit Major Group SIC Code: <b>20</b>	8. Acid Rain Unit? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
--	--------------------------------	--------------------------	--	--

9. Package Unit:

Manufacturer: **York Shipley**

Model Number: **476SPHV-300-N/2**

10. Generator Nameplate Rating: **MW**

11. Emissions Unit Comment:

**Package Boiler will be rented and operated only during periods when existing Mill boilers are shutdown. Future rental boilers will be of similiar specifications, though may not be the same model.**

**EMISSIONS UNIT INFORMATION**

**Section [1]  
Package Boiler**

**Emissions Unit Control Equipment**

1. Control Equipment/Method(s) Description:

2. Control Device or Method Code(s):





**EMISSIONS UNIT INFORMATION**

**Section [1]  
Package Boiler**

**C. EMISSION POINT (STACK/VENT) INFORMATION  
(Optional for unregulated emissions units.)**

**Emission Point Description and Type**

1. Identification of Point on Plot Plan or Flow Diagram: <b>Package Boiler</b>		2. Emission Point Type Code: <b>1</b>			
3. Descriptions of Emission Points Comprising this Emissions Unit for VE Tracking:					
4. ID Numbers or Descriptions of Emission Units with this Emission Point in Common:					
5. Discharge Type Code: <b>V</b>		6. Stack Height: <b>20 feet</b>		7. Exit Diameter: <b>1 feet</b>	
8. Exit Temperature: <b>350°F</b>		9. Actual Volumetric Flow Rate: <b>3,770 acfm</b>		10. Water Vapor: <b>%</b>	
11. Maximum Dry Standard Flow Rate: <b>dscfm</b>			12. Nonstack Emission Point Height: <b>feet</b>		
13. Emission Point UTM Coordinates... Zone:           East (km): North (km):			14. Emission Point Latitude/Longitude... Latitude (DD/MM/SS) Longitude (DD/MM/SS)		
15. Emission Point Comment: <b>Package Boiler will be rented and operated only during periods when existing Mill boilers are shutdown. Future rental boilers will be of similiar specifications, though may not be the same model.</b>					

**EMISSIONS UNIT INFORMATION**

**Section [1]  
Package Boiler**

**D. SEGMENT (PROCESS/FUEL) INFORMATION**

**Segment Description and Rate: Segment 1 of 1**

1. Segment Description (Process/Fuel Type): External Combustion Boilers; Industrial; Distillate oil; 10-100 MMBtu/hr		
2. Source Classification Code (SCC): 1-02-005-02		3. SCC Units: Thousand Gallons Burned
4. Maximum Hourly Rate: 0.085	5. Maximum Annual Rate: 63.2	6. Estimated Annual Activity Factor:
7. Maximum % Sulfur: 0.05	8. Maximum % Ash:	9. Million Btu per SCC Unit: 136
10. Segment Comment:		

**Segment Description and Rate: Segment \_\_\_\_ of \_\_\_\_**

1. Segment Description (Process/Fuel Type):		
2. Source Classification Code (SCC):		3. SCC Units:
4. Maximum Hourly Rate:	5. Maximum Annual Rate:	6. Estimated Annual Activity Factor:
7. Maximum % Sulfur:	8. Maximum % Ash:	9. Million Btu per SCC Unit:
10. Segment Comment:		



**EMISSIONS UNIT INFORMATION**

**POLLUTANT DETAIL INFORMATION**

Section [1]  
Package Boiler

Page [1] of [2]  
Sulfur Dioxide - SO<sub>2</sub>

**F1. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION –  
POTENTIAL/ESTIMATED FUGITIVE EMISSIONS**

(Optional for unregulated emissions units.)

Potential/Estimated Fugitive Emissions

Complete for each pollutant identified in Subsection E if applying for an air construction permit or concurrent processing of an air construction permit and a revised or renewal Title V permit. Complete for each emissions-limited pollutant identified in Subsection E if applying for an air operation permit.

1. Pollutant Emitted: <b>Sulfur Dioxide - SO<sub>2</sub></b>		2. Total Percent Efficiency of Control:	
3. Potential Emissions: 0.61 lb/hour      0.23 tons/year		4. Synthetically Limited? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
5. Range of Estimated Fugitive Emissions (as applicable): to      tons/year			
6. Emission Factor: 0.051 lb/MMBtu  Reference: 0.05% sulfur content		7. Emissions Method Code: 2	
8.a. Baseline Actual Emissions (if required): tons/year		8.b. Baseline 24-month Period: From:      To:	
9.a. Projected Actual Emissions (if required): tons/year		9.b. Projected Monitoring Period: <input type="checkbox"/> 5 years <input type="checkbox"/> 10 years	
10. Calculation of Emissions: See Attachment USSC-EU1-F1.10.			
11. Potential Fugitive and Actual Emissions Comment:			

**EMISSIONS UNIT INFORMATION**

**POLLUTANT DETAIL INFORMATION**

Section [1]  
Package Boiler

Page [1] of [2]  
Sulfur Dioxide - SO<sub>2</sub>

**F2. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION -  
ALLOWABLE EMISSIONS**

Complete if the pollutant identified in Subsection F1 is or would be subject to a numerical emissions limitation.

**Allowable Emissions** Allowable Emissions \_\_\_\_ of \_\_\_\_

1. Basis for Allowable Emissions Code:	2. Future Effective Date of Allowable Emissions:
3. Allowable Emissions and Units:	4. Equivalent Allowable Emissions: lb/hour                      tons/year
5. Method of Compliance:	
6. Allowable Emissions Comment (Description of Operating Method):	

**Allowable Emissions** Allowable Emissions \_\_\_\_ of \_\_\_\_

1. Basis for Allowable Emissions Code:	2. Future Effective Date of Allowable Emissions:
3. Allowable Emissions and Units:	4. Equivalent Allowable Emissions: lb/hour                      tons/year
5. Method of Compliance:	
6. Allowable Emissions Comment (Description of Operating Method):	

**Allowable Emissions** Allowable Emissions \_\_\_\_ of \_\_\_\_

1. Basis for Allowable Emissions Code:	2. Future Effective Date of Allowable Emissions:
3. Allowable Emissions and Units:	4. Equivalent Allowable Emissions: lb/hour                      tons/year
5. Method of Compliance:	
6. Allowable Emissions Comment (Description of Operating Method):	

**F1. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION –  
POTENTIAL/ESTIMATED FUGITIVE EMISSIONS**

(Optional for unregulated emissions units.)

**Potential/Estimated Fugitive Emissions**

Complete for each pollutant identified in Subsection E if applying for an air construction permit or concurrent processing of an air construction permit and a revised or renewal Title V permit. Complete for each emissions-limited pollutant identified in Subsection E if applying for an air operation permit.

1. Pollutant Emitted: <b>Nitrogen Oxides - NO<sub>x</sub></b>		2. Total Percent Efficiency of Control:	
3. Potential Emissions: 1.71 lb/hour                      0.64 tons/year		4. Synthetically Limited? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
5. Range of Estimated Fugitive Emissions (as applicable): to                      tons/year			
6. Emission Factor: <b>20 lb/10<sup>3</sup> gal</b>  Reference: <b>AP-42</b>		7. Emissions Method Code: <b>3</b>	
8.a. Baseline Actual Emissions (if required): tons/year		8.b. Baseline 24-month Period: From:                      To:	
9.a. Projected Actual Emissions (if required): tons/year		9.b. Projected Monitoring Period: <input type="checkbox"/> 5 years <input type="checkbox"/> 10 years	
10. Calculation of Emissions: <b>See Attachment USSC-EU1-F1.10.</b>			
11. Potential Fugitive and Actual Emissions Comment:			

**EMISSIONS UNIT INFORMATION**

**POLLUTANT DETAIL INFORMATION**

Section [1]  
Package Boiler

Page [2] of [2]  
Nitrogen Oxides - NO<sub>x</sub>

**F2. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION -  
ALLOWABLE EMISSIONS**

Complete if the pollutant identified in Subsection F1 is or would be subject to a numerical emissions limitation.

**Allowable Emissions** Allowable Emissions \_\_\_\_\_ of \_\_\_\_\_

1. Basis for Allowable Emissions Code:	2. Future Effective Date of Allowable Emissions:
3. Allowable Emissions and Units:	4. Equivalent Allowable Emissions: lb/hour                      tons/year
5. Method of Compliance:	
6. Allowable Emissions Comment (Description of Operating Method):	

**Allowable Emissions** Allowable Emissions \_\_\_\_\_ of \_\_\_\_\_

1. Basis for Allowable Emissions Code:	2. Future Effective Date of Allowable Emissions:
3. Allowable Emissions and Units:	4. Equivalent Allowable Emissions: lb/hour                      tons/year
5. Method of Compliance:	
6. Allowable Emissions Comment (Description of Operating Method):	

**Allowable Emissions** Allowable Emissions \_\_\_\_\_ of \_\_\_\_\_

1. Basis for Allowable Emissions Code:	2. Future Effective Date of Allowable Emissions:
3. Allowable Emissions and Units:	4. Equivalent Allowable Emissions: lb/hour                      tons/year
5. Method of Compliance:	
6. Allowable Emissions Comment (Description of Operating Method):	

**EMISSIONS UNIT INFORMATION**

Section [1]  
Package Boiler

**G. VISIBLE EMISSIONS INFORMATION**

Complete if this emissions unit is or would be subject to a unit-specific visible emissions limitation.

**Visible Emissions Limitation:** Visible Emissions Limitation 1 of 1

1. Visible Emissions Subtype: <b>VE20</b>	2. Basis for Allowable Opacity: <input checked="" type="checkbox"/> Rule <input type="checkbox"/> Other
3. Allowable Opacity: Normal Conditions: <b>20 %</b> Exceptional Conditions:                      % Maximum Period of Excess Opacity Allowed:                      min/hour	
4. Method of Compliance: <b>EPA Method 9</b>	
5. Visible Emissions Comment: <b>Rule 62-296.320(4)(b), F.A.C.</b>	

**Visible Emissions Limitation:** Visible Emissions Limitation \_\_\_\_ of \_\_\_\_

1. Visible Emissions Subtype:	2. Basis for Allowable Opacity: <input type="checkbox"/> Rule <input type="checkbox"/> Other
3. Allowable Opacity: Normal Conditions:                      %                      Exceptional Conditions:                      % Maximum Period of Excess Opacity Allowed:                      min/hour	
4. Method of Compliance:	
5. Visible Emissions Comment:	



**EMISSIONS UNIT INFORMATION**

Section [1]  
Package Boiler

**H. CONTINUOUS MONITOR INFORMATION**

Complete if this emissions unit is or would be subject to continuous monitoring.

**Continuous Monitoring System:** Continuous Monitor \_\_\_\_ of \_\_\_\_

1. Parameter Code:	2. Pollutant(s):
3. CMS Requirement:	<input type="checkbox"/> Rule <input type="checkbox"/> Other
4. Monitor Information... Manufacturer: Model Number: Serial Number:	
5. Installation Date:	6. Performance Specification Test Date:
7. Continuous Monitor Comment:	

**Continuous Monitoring System:** Continuous Monitor \_\_\_\_ of \_\_\_\_

1. Parameter Code:	2. Pollutant(s):
3. CMS Requirement:	<input type="checkbox"/> Rule <input type="checkbox"/> Other
4. Monitor Information... Manufacturer: Model Number: Serial Number:	
5. Installation Date:	6. Performance Specification Test Date:
7. Continuous Monitor Comment:	

# EMISSIONS UNIT INFORMATION

Section [1]  
Package Boiler

## I. EMISSIONS UNIT ADDITIONAL INFORMATION

### Additional Requirements for All Applications, Except as Otherwise Stated

1. Process Flow Diagram (Required for all permit applications, except Title V air operation permit revision applications if this information was submitted to the department within the previous five years and would not be altered as a result of the revision being sought) <input checked="" type="checkbox"/> Attached, Document ID: <u>USSC-EU1-11</u> <input type="checkbox"/> Previously Submitted, Date _____
2. Fuel Analysis or Specification (Required for all permit applications, except Title V air operation permit revision applications if this information was submitted to the department within the previous five years and would not be altered as a result of the revision being sought) <input checked="" type="checkbox"/> Attached, Document ID: <u>USSC-EU1-12</u> <input type="checkbox"/> Previously Submitted, Date _____
3. Detailed Description of Control Equipment (Required for all permit applications, except Title V air operation permit revision applications if this information was submitted to the department within the previous five years and would not be altered as a result of the revision being sought) <input type="checkbox"/> Attached, Document ID: _____ <input type="checkbox"/> Previously Submitted, Date _____
4. Procedures for Startup and Shutdown (Required for all operation permit applications, except Title V air operation permit revision applications if this information was submitted to the department within the previous five years and would not be altered as a result of the revision being sought) <input type="checkbox"/> Attached, Document ID: _____ <input type="checkbox"/> Previously Submitted, Date _____ <input checked="" type="checkbox"/> Not Applicable (construction application)
5. Operation and Maintenance Plan (Required for all permit applications, except Title V air operation permit revision applications if this information was submitted to the department within the previous five years and would not be altered as a result of the revision being sought) <input type="checkbox"/> Attached, Document ID: _____ <input type="checkbox"/> Previously Submitted, Date _____ <input checked="" type="checkbox"/> Not Applicable
6. Compliance Demonstration Reports/Records <input type="checkbox"/> Attached, Document ID: _____ Test Date(s)/Pollutant(s) Tested: _____ <input type="checkbox"/> Previously Submitted, Date: _____ Test Date(s)/Pollutant(s) Tested: _____ <input type="checkbox"/> To be Submitted, Date (if known): _____ Test Date(s)/Pollutant(s) Tested: _____ <input checked="" type="checkbox"/> Not Applicable  Note: For FESOP applications, all required compliance demonstration records/reports must be submitted at the time of application. For Title V air operation permit applications, all required compliance demonstration reports/records must be submitted at the time of application, or a compliance plan must be submitted at the time of application.
7. Other Information Required by Rule or Statute <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable

## EMISSIONS UNIT INFORMATION

Section [1]  
Package Boiler

### Additional Requirements for Air Construction Permit Applications

1. Control Technology Review and Analysis (Rules 62-212.400(10) and 62-212.500(7), F.A.C.; 40 CFR 63.43(d) and (e)) <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable
2. Good Engineering Practice Stack Height Analysis (Rule 62-212.400(4)(d), F.A.C., and Rule 62-212.500(4)(f), F.A.C.) <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable
3. Description of Stack Sampling Facilities (Required for proposed new stack sampling facilities only) <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable

### Additional Requirements for Title V Air Operation Permit Applications

1. Identification of Applicable Requirements <input checked="" type="checkbox"/> Attached, Document ID: <u>USSC-EU1-IV1</u> <input type="checkbox"/> Not Applicable
2. Compliance Assurance Monitoring <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable
3. Alternative Methods of Operation <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable
4. Alternative Modes of Operation (Emissions Trading) <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable
5. Acid Rain Part Application <input type="checkbox"/> Certificate of Representation (EPA Form No. 7610-1) <input type="checkbox"/> Copy Attached, Document ID: _____ <input type="checkbox"/> Acid Rain Part (Form No. 62-210.900(1)(a)) <input type="checkbox"/> Attached, Document ID: _____ <input type="checkbox"/> Previously Submitted, Date: _____ <input type="checkbox"/> Repowering Extension Plan (Form No. 62-210.900(1)(a)1.) <input type="checkbox"/> Attached, Document ID: _____ <input type="checkbox"/> Previously Submitted, Date: _____ <input type="checkbox"/> New Unit Exemption (Form No. 62-210.900(1)(a)2.) <input type="checkbox"/> Attached, Document ID: _____ <input type="checkbox"/> Previously Submitted, Date: _____ <input type="checkbox"/> Retired Unit Exemption (Form No. 62-210.900(1)(a)3.) <input type="checkbox"/> Attached, Document ID: _____ <input type="checkbox"/> Previously Submitted, Date: _____ <input type="checkbox"/> Phase II NOx Compliance Plan (Form No. 62-210.900(1)(a)4.) <input type="checkbox"/> Attached, Document ID: _____ <input type="checkbox"/> Previously Submitted, Date: _____ <input type="checkbox"/> Phase II NOx Averaging Plan (Form No. 62-210.900(1)(a)5.) <input type="checkbox"/> Attached, Document ID: _____ <input type="checkbox"/> Previously Submitted, Date: _____ <input checked="" type="checkbox"/> Not Applicable

**EMISSIONS UNIT INFORMATION**

**Section [1]  
Package Boiler**

**Additional Requirements Comment**

[Empty box for Additional Requirements Comment]

**ATTACHMENT USSC – EU1 – F1.10**

**CALCULATION OF EMISSIONS**

**ATTACHMENT USSC-EU1-F1.10  
UNITED STATES SUGAR CORPORATION, CLEWISTON MILL  
PACKAGE BOILER**

Regulated Pollutant	Emission Factor (lb/MMBtu)	Ref.	Activity Factor <sup>a</sup> (MMBtu/hr)	Activity Factor <sup>b</sup> (MMBtu/yr)	Hourly Emissions (lb/hr)	Annual Emissions (TPY)
Particulate Matter (PM)	0.014	1	12	8,928	0.17	0.064
Particulate Matter (PM <sub>10</sub> )	0.014	1	12	8,928	0.17	0.064
Particulate Matter (PM <sub>2.5</sub> )	0.014	1	12	8,928	0.17	0.064
Sulfur dioxide (SO <sub>2</sub> )	0.051	2	12	8,928	0.61	0.23
Nitrogen oxides (NO <sub>x</sub> )	0.14	3	12	8,928	1.71	0.64
Carbon monoxide (CO)	0.036	3	12	8,928	0.43	0.16
Volatile Organic Compounds (VOC)	0.0024	3	12	8,928	0.029	0.011
Sulfuric acid mist (SAM)	0.0031	4	12	8,928	0.04	0.014
Lead (Pb)	9.00E-06	3	12	8,928	1.08E-04	4.02E-05
Mercury (Hg)	3.00E-06	3	12	8,928	3.60E-05	1.34E-05

Footnotes:

- <sup>a</sup> The maximum heat input rate is 12 MMBtu/hr for No. 2 fuel oil calculated using the manufacturer's reported fuel usage rate of 85 gallons per hour. Heating value for No. 2 fuel oil was assumed to be 136,000 Btu/gal.  
85 gallons/hour x 136,000 Btu/gal x (MMBtu/1x10<sup>6</sup> Btu) = 12 MMBtu/hr
- <sup>b</sup> Based on a requested limit on operating hours of 744 hours per year.

Sample Calculations:

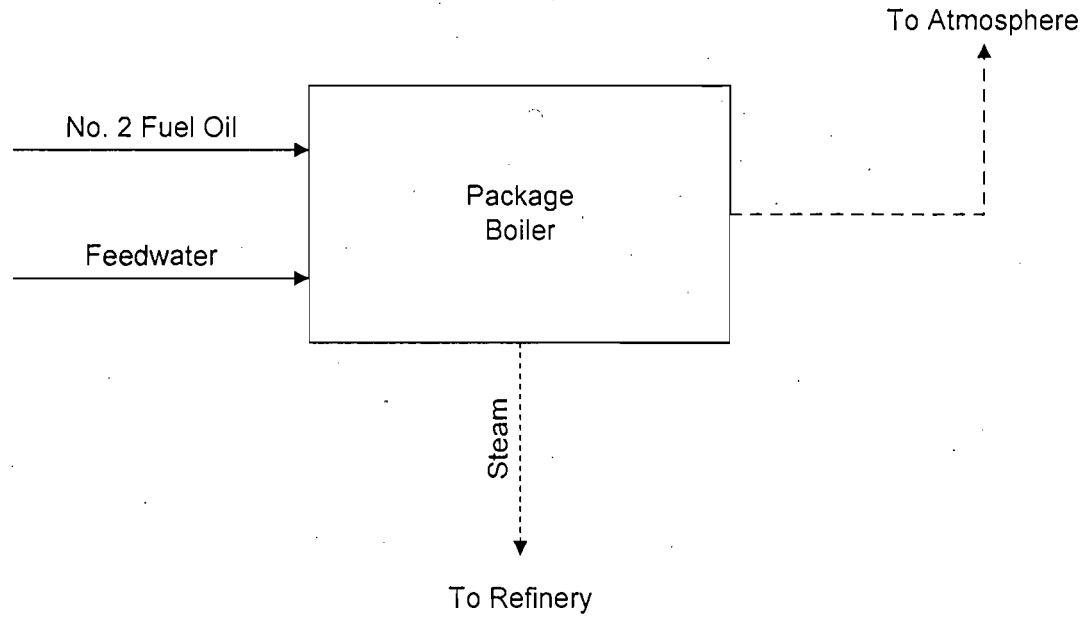
Hourly Emissions = Emission Factor x Activity Factor  
 Annual Emissions = Activity Factor (MMBtu/yr) x Emission Factor (lb/MMBtu) / 2,000 (lb/ton)

References:

1. Based on AP-42, Chapter 1.3, *Fuel Oil Combustion*, Table 1.3-2, for No. 2 fuel oil.
2. Based on a requested maximum sulfur content of the No. 2 fuel oil fired in the boiler of 0.05%:  
(7.2 lb/gal) x (0.05 lb S/100 lb oil) x (2 lb SO<sub>2</sub>/lb S) x (gal/136,000 Btu) x (1E6 Btu/MMBtu) = 0.051 lb/MMBtu.
3. Based on AP-42, Chapter 1.3, *Fuel Oil Combustion*, Tables 1.3-1, 1.3-3, and 1.3-10.
4. Based on derivation of sulfuric acid mist from AP-42 for fuel oil.

**ATTACHMENT USSC – EU1 – I1**

**PROCESS FLOW DIAGRAM**



Attachment USSC-EU1-I1  
Package Boiler  
Process Flow Diagram  
U.S. Sugar - Clewiston

Process Flow Legend	
Solid/Liquid	—————>
Gas	- - - - ->
Steam	- - - - ->

Package Boiler

Filename: USSC-EU1-I1

Date: 03/10/08





**ATTACHMENT USSC – EU1 – I2**

**PACKAGE BOILER FUEL ANALYSIS**

**ATTACHMENT USSC-EU1-I2  
PACKAGE BOILER FUEL ANALYSIS**

<b>Parameter</b>	<b>No. 2 Fuel Oil (0.05% S max)</b>
Density (lb/gal)	7.2
Approximate Heating Value (Btu/lb)	19,444
Approximate Heating Value (Btu/gal)	136,000
<u>Ultimate Analysis (dry basis):</u>	
Carbon	84.7%
Hydrogen	15.3%
Nitrogen	0.015%
Oxygen	0.38%
Sulfur	0.05%
Ash/Inorganic	0.06% <sup>a</sup>
Moisture	0.51% <sup>a</sup>

Represents typical values.

<sup>a</sup> Source: Perry's Chemical Engineer's Handbook.  
Sixth Edition, 1984.

Represents average fuel characteristics.

**ATTACHMENT USSC – EU1 – IV1**

**IDENTIFICATION OF APPLICABLE REQUIREMENTS**

**ATTACHMENT USSC-EU1-IV1  
IDENTIFICATION OF APPLICABLE REQUIREMENTS**

62-296.320(2), F.A.C.: Objectionable Odor Prohibited

62-296.320(4)(b), F.A.C.: Visible Emissions Standard

**ATTACHMENT A**

**ATTACHMENT A**  
**SUPPLEMENTAL INFORMATION FOR**  
**CONSTRUCTION PERMIT APPLICATION**

## **1.0 INTRODUCTION**

United States Sugar Corporation (U.S. Sugar) owns and operates a sugar mill and refinery located in Clewiston, Hendry County, Florida. The mill and refinery currently operate under Title V Air Operation Permit No. 0510003-017-AV, issued October 18, 2004. A draft Title V permit renewal was received February 8, 2008.

U.S. Sugar operates five sugar mill boilers at the Clewiston Mill. The five boilers provide steam to the sugar mill as well as to the sugar refinery. Boiler Nos. 1, 2, and 4 operate primarily during the crop season, which is typically November through May, to provide steam to the sugar mill and refinery. Boiler Nos. 7 and 8 can operate year-round to provide steam to the sugar mill during the crop season and steam to the sugar refinery during the off-crop season. Boiler Nos. 1, 2, and 4 can operate as backup units during the off-season when Boiler No. 7 is down for maintenance, repair, or during periods of unusually low steam demand.

## **2.0 PROJECT DESCRIPTION**

Although the existing Title V permit allows continuous operation of the existing boilers, only one or two boilers are typically operated during the off-season to support the refinery operations. However, beginning around June 1 to September 30 of each year, all the Mill boilers are shut down for planned maintenance. Although most of the refinery operations will also be shut down during this period, sugar packaging operations will continue, which require a small amount of steam. To continue operating the sugar packaging operations during this time, U.S. Sugar is planning to rent a trailer-mounted, 300-horsepower boiler to provide the necessary steam.

The package/rental boiler has a heat input of 12 million British thermal units per hour (MMBtu/hr) and will only be operated during the period from June 1 to September 30 for a total of 744 hours per year (hr/yr). The package boiler will fire distillate fuel oil (No. 2), which corresponds to 85 gallons per hour (gph) and 63,240 gallons per year (gpy). The maximum sulfur content of the No. 2 fuel oil, which may include facility-generated, on-specification used oil, is 0.05 percent by weight.

It is requested that use of the package boiler during the summer months be allowed as a permanent revision of the Title-V permit. The package boiler specifications are listed below:

- Manufacturer: York Shipley;
- Model No.: 476SPHV-300-N/2;
- Serial No.: A53-283W;
- Year of Manufacture: 1984;
- Maximum Heat Input Rate: 12 MMBtu/hr;
- Fuel Fired: No. 2 fuel oil;
- Maximum Fuel Oil Sulfur Content: 0.05 percent; and
- Maximum Fuel Oil Firing Rate: 85 gph.

Future rental boilers will have similar specifications with a heat input not to exceed 12 MMBtu/hr, though they may not be of the same model or manufacturer.

### **3.0 APPLICABLE REQUIREMENTS**

#### **3.1 New Source Performance Standards (NSPS)**

New Source Performance Standards (NSPS) for Small Industrial, Commercial, Institutional Steam Generating Units (40 CFR 60, Subpart Dc) are applicable to boilers with a maximum design heat input capacity equal to or greater than 10 MMBtu/hr, but less than or equal to 100 MMBtu/hr and manufactured after June 9, 1989. Because the package boiler was manufactured prior to 1989, Subpart Dc is not applicable. If a boiler built after June 9, 1989 is utilized, only a record keeping requirement would apply (i.e., fuel usage records).

#### **3.2 State of Florida**

Rule 62-296.406, Florida Administrative Code (F.A.C.), commonly referred to as the Small Boiler Best Available Control Technology (BACT), is applicable to fossil fuel steam generating units with less than 250 MMBtu/hr heat input. Due to the limited operating schedule and subsequent emissions of the package boiler, Rule 62-296.406, F.A.C. would not be applicable per Rule 62-213.430(6)(b), F.A.C.

#### 4.0 EMISSIONS

Hourly and annual emission rates, based on the proposed limit of 744 hr/yr of operation, are presented in Attachment USSC-EU1-F1.10 of the application package. Since no vendor emission factors were available for the package boiler, U.S. Environmental Protection Agency (EPA) AP-42 emission factors were used to estimate emissions. The annual emissions for each criteria pollutant were below 1 ton per year (TPY).