



Florida Department of Environmental Protection

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

Rick Scott
Governor

Jennifer Carroll
Lt. Governor

Herschel T. Vinyard Jr.
Secretary

PERMITTEE

United States Sugar Corporation
111 Ponce De Leon Avenue
Clewiston, FL 33440

Authorized Representative:
Neil Smith, Vice President and General Manager

Air Permit No. 0510003-050-AC
Expires: March 1, 2013
U.S. Sugar Clewiston Mill and Refinery
Facility ID No. 0510003
H₂S Degasification Systems
Administrative Correction

PROJECT

This is the final air construction permit, which authorizes the construction and operation of five water wells and two H₂S degasification systems. The proposed work will be conducted at the existing U.S. Sugar Clewiston Facility, which is categorized under the Standard Industrial Classification of Cane Sugar, Except Refining (No. 2061) and Cane Sugar Refining (No. 2062). The existing facility is located in Hendry County at the intersection of W.C. Owens Avenue and State Road 832 in Clewiston, Florida. The UTM coordinates are Zone 17, 506.1 kilometers East, and 2956.9 kilometers North.

This final permit is organized into the following sections: Section 1 (General Information); Section 2 (Administrative Requirements); Section 3 (Emissions Unit Specific Conditions); Section 4 (Appendices). Because of the technical nature of the project, the permit contains numerous acronyms and abbreviations, which are defined in Appendix A of Section 4 of this permit. As noted in the Final Determination provided with this final permit, only minor changes and clarifications were made to the draft permit.

STATEMENT OF BASIS

This air pollution construction permit is issued under the provisions of: Chapter 403 of the Florida Statutes (F.S.) and Chapters 62-4, 62-204, 62-210, 62-212, 62-296 and 62-297 of the Florida Administrative Code (F.A.C.). The permittee is authorized to conduct the proposed work in accordance with the conditions of this permit. This project is subject to the general preconstruction review requirements in Rule 62-212.300, F.A.C. and the preconstruction review requirements for major stationary sources in Rule 62-212.400, F.A.C. for the Prevention of Significant Deterioration (PSD) of Air Quality.

Executed in Tallahassee, Florida

Jeffery F. Koerner, Program Administrator
Office of Permitting and Compliance
Division of Air Resource Management

8-22-11
(Date)

FINAL PERMIT

CERTIFICATE OF SERVICE

The undersigned duly designated deputy agency clerk hereby certifies that this Final Air Permit package (including the Final Determination and Final Permit with Appendices) was sent by electronic mail, or a link to these documents made available electronically on a publicly accessible server, with received receipt requested before the close of business on 8-22-11 to the persons listed below.

Mr. Neil Smith, U.S. Sugar Corporation (nsmith@ussugar.com)
Mr. Keith Tingberg, U.S. Sugar Corporation (ktingberg@ussugar.com)
Mr. David Buff, P.E., Golder Associates, Inc. (dbuff@golder.com)
Mr. Ajaya Satyal, South District Office (ajaya.satyal@dep.state.fl.us)
Ms. Kathleen Forney, EPA Region 4 (forney.kathleen@epa.gov)
Ms. Heather Abrams, EPA Region 4 (abrams.heather@epa.gov)
Ms. Ana M. Oquendo, EPA Region 4 (oquendo.ana@epa.gov)
Ms. Lynn Searce, DEP OPC Reading File (lynn.searce@dep.state.fl.us)
Ms. Barbara. Friday, DEP PP Reading File (barbara.friday@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.

Lynn Searce
(Clerk)

August 22, 2011
(Date)

SECTION 1. GENERAL INFORMATION

FACILITY 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 coordinates are Zone 17, 506.1 kilometers East, and 2956.9 kilometers North. Sugarcane is harvested from nearby fields and transported to the mills 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. Molasses is also produced as a byproduct. Molasses is stored and processed into an animal feed product for sale.

PROPOSED PROJECT

This project will add the following emissions unit.

EU No.	Description
036	Two Hydrogen Sulfide (H ₂ S) Degasification Systems

FACILITY REGULATORY CLASSIFICATION

- The facility is a major source of hazardous air pollutants (HAP).
- The facility has no units subject to the acid rain provisions of the Clean Air Act.
- 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.

SECTION 2. ADMINISTRATIVE REQUIREMENTS

1. Permitting Authority: The Permitting Authority for this project is the Office of Permitting and Compliance in the Division of Air Resource Management of the Department. The mailing address for the Office of Permitting and Compliance is 2600 Blair Stone Road, MS #5505, Tallahassee, Florida 32399-2400. All documents related to applications for permits to operate an emissions unit shall be submitted to the South District Office at: 2295 Victoria Avenue, Suite 364, Fort Myers, Florida 33902-2549.
2. Compliance Authority: All documents related to compliance activities such as reports, tests, and notifications shall be submitted to the South District Office at: 2295 Victoria Avenue, Suite 364, Fort Myers, Florida 33902-2549.
3. Appendices: The following Appendices are attached as a part of this permit: Appendix A (Citation Formats and Glossary of Common Terms); Appendix B (General Conditions); Appendix C (Common Conditions); and Appendix D (Final BACT Determination).
4. Applicable Regulations, Forms and Application Procedures: Unless otherwise specified in this permit, the construction and operation of the subject emissions units shall be in accordance with the capacities and specifications stated in the application. The facility is subject to all applicable provisions of: Chapter 403, F.S.; and Chapters 62-4, 62-204, 62-210, 62-212, 62-213, 62-296 and 62-297, F.A.C. Issuance of this permit does not relieve the permittee from compliance with any applicable federal, state, or local permitting or regulations.
5. New or Additional Conditions: For good cause shown and after notice and an administrative hearing, if requested, the Department may require the permittee to conform to new or additional conditions. The Department shall allow the permittee a reasonable time to conform to the new or additional conditions, and on application of the permittee, the Department may grant additional time. [Rule 62-4.080, F.A.C.]
6. Modifications: No emissions unit 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. Title V Permit: This permit authorizes specific modifications and/or new construction on the affected emissions units as well as initial operation to determine compliance with conditions of this permit. 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 completing the required work and 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 each 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. Degasification Systems (EU-036)

This section of the permit addresses the following emissions unit.

EU No.	Emission Unit Description
036	Two Hydrogen Sulfide Degasification Systems

{Permitting Note: In accordance with Rule 62-212.400(PSD), F.A.C., the above emission unit is subject to a Best Available Control Technology (BACT) determination for hydrogen sulfide (H₂S). The final BACT determination is presented in Appendix D of this permit.

EQUIPMENT

1. Degasification Systems: The permittee is authorized to install and operate two H₂S degasification systems and the associated five water wells. [Application No. 0510003-048-AC]
2. Water Use: The permittee shall install, calibrate and operate flow meters (or equivalent devices) with integrators to monitor the water flow rate from each water well. [Rule 62-4.070(3) and 62-212.400(BACT), F.A.C.]

PERFORMANCE RESTRICTIONS

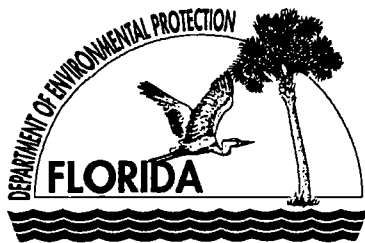
3. Hours of Operation: The hours of operation are not limited (8760 hours per year). [Rules 62-4.070(3) and 62-210.200(PTE), F.A.C.]

EMISSIONS STANDARDS

4. Hydrogen Sulfide: The emissions of H₂S from the combined degasification systems shall not exceed 18.0 tons per consecutive 12-month rolling total based on monthly raw well water flow rates and quarterly water sampling to determine the H₂S concentration in the raw water entering the degasification units. If the facility receives valid odor complaints associated with the degasification systems as verified by the Compliance Authority, the permittee may be requested to revisit the determination of BACT for H₂S emissions from degasification systems. [Rule 62-212.400(BACT), F.A.C.]
5. 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" is defined as any odor present in the outdoor atmosphere, which by itself or in combination with other odors, is or may be harmful or injurious to human health or welfare, which unreasonably interferes with the comfortable use and enjoyment of life or property, or which creates a nuisance." The draft permit will also include a requirement to revisit BACT should the facility receive valid odor complaints from the degasification systems. [Rule 62-296.320(2), F.A.C.]

MONITORING AND RECORD KEEPING REQUIREMENTS

6. Water Wells Sampling/Analysis: On at least a quarterly basis, the permittee shall obtain representative samples of the water going to the degasification units. The samples shall be taken no earlier than 60 days apart. Each sample shall have an analysis conducted to determine the H₂S concentration. [Rule 62-4.070(3) and 62-212.400(BACT), F.A.C.]
7. Monthly Records: Within ten calendar days following each month, the permittee shall observe and record the total monthly water pumped from the water wells to each degasification unit. This information shall be used in conjunction with the measured H₂S concentration for the given quarter to determine the H₂S emissions for the month and the previous 12 months, rolling total. [Rules 62-4.070(3) and 62-212.400(BACT), F.A.C.]



Florida Department of Environmental Protection

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

Rick Scott
Governor

Jennifer Carroll
Lt. Governor

Herschel T. Vinyard Jr.
Secretary

NOTICE OF ADMINISTRATIVELY CORRECTED AIR CONSTRUCTION PERMIT

In the Matter of a Request for Administrative Correction:

United States Sugar Corporation
111 Ponce De Leon Avenue
Clewiston, FL 33440

Project No. 0510003-050-AC

Administrative Correction to:
Permit No. 0510003-048-AC
PSD-FL-415

Authorized Representative:
Neil Smith, Vice President and General Manager

Hendry County

Dear Mr. Smith,

Enclosed is an administrative correction for Air Construction Permit No. 0510003-048-AC (PSD-FL-415) for U.S. Sugar 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 action revises the language of certain specific conditions and Appendix D of the previously issued Permit No. 0510003-048-AC (PSD-FL-415) clarifying the parameters to be monitored for the water flow rate to the hydrogen sulfide (H₂S) degasification units. The minimum interval between water sampling periods was corrected from 90 to 60 days to provide additional flexibility while still ensuring samples are collected quarterly.

This administrative correction is issued pursuant to Rule 62-210.360, Florida Administrative Code (F.A.C.), and Chapter 403, Florida Statutes (F.S.). This change is made at the applicant's request dated August 16, 2011. This corrective action does not alter the effective dates of the existing permit.

Executed in Tallahassee, Florida

Jeffery F. Koerner, Program Administrator
Office of Permitting and Compliance
Division of Air Resource Management

8-22-11
(Date)

JFK/ttm

NOTICE OF ADMINISTRATIVELY CORRECTED AIR CONSTRUCTION PERMIT

CERTIFICATE OF SERVICE

The undersigned duly designated deputy agency clerk hereby certifies that this Administratively Corrected Permit was sent by electronic mail, or a link to these documents made available electronically on a publicly accessible server, with received receipt requested before the close of business on 8-22-11 to the persons listed below.

Mr. Neil Smith, U.S. Sugar Corporation (nsmith@ussugar.com)
Mr. Keith Tingberg, U.S. Sugar Corporation (ktingberg@ussugar.com)
Mr. David Buff, P.E., Golder Associates, Inc. (dbuff@golder.com)
Mr. Ajaya Satyal, South District Office (ajaya.satyal@dep.state.fl.us)
Ms. Kathleen Forney, EPA Region 4 (forney.kathleen@epa.gov)
Ms. Heather Abrams, EPA Region 4 (abrams.heather@epa.gov)
Ms. Ana M. Oquendo, EPA Region 4 (oquendo.ana@epa.gov)
Ms. Lynn Scarce, DEP OPC Reading File (lynn.scarce@dep.state.fl.us)
Ms. Barbara. Friday, DEP PP Reading File (barbara.friday@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.

Lynn Scarce
(Clerk)

August 22, 2011
(Date)

NOTICE OF ADMINISTRATIVELY CORRECTED AIR CONSTRUCTION PERMIT

The following permit condition is revised as indicated. ~~Strikethrough~~ is used to denote the deletion of text. Double-underlines are used to denote the addition of text. All changes are emphasized with shading.

Permit Being Administratively Corrected: Permit No. 0510003-048-AC (PSD-FL-415)
Affected Emissions Unit: Two Hydrogen Sulfide Degasification Systems (EU-036)

SECTION 3. EMISSIONS UNIT SPECIFIC CONDITIONS

Specific Condition 2 is corrected as follows:

2. Water Use: The permittee shall install, calibrate and operate flow meters (or equivalent devices) with integrators to monitor the water flow rate ~~to each~~ from each ~~degasification unit~~ water well.

Specific Condition 4 is corrected as follows:

4. Hydrogen Sulfide: The emissions of H₂S from the combined degasification systems shall not exceed 18.0 tons per consecutive 12-month rolling total based on monthly raw well water flow rates and quarterly water sampling to determine the H₂S concentration in ~~each of the water wells~~ the raw water entering the degasification units. If the facility receives valid odor complaints associated with the degasification systems as verified by the Compliance Authority, the permittee may be requested to revisit the determination of BACT for H₂S emissions from degasification systems.

Specific Condition 6 is corrected as follows:

6. Water Wells Sampling/Analysis: On at least a quarterly basis, the permittee shall obtain representative samples of the water from each well going to the degasification units. The samples shall be taken no earlier than ~~90~~ 60 days apart. Each sample shall have an analysis conducted to determine the H₂S concentration.

SECTION 4. APPENDICES

Appendix D. Final BACT Determination table is corrected as follows:

Pollutant	BACT Standard	Compliance Method
H ₂ S	18.0 tons per consecutive 12-month rolling total	Based on monthly raw well water flow rates and quarterly water sampling to determine the H ₂ S concentration in each of the water wells <u>going to the degasification units</u> .

SECTION 4. APPENDICES

Contents

Appendix A. Citation Formats and Glossary of Common Terms

Appendix B. General Conditions

Appendix C. Common Conditions

Appendix D. Final BACT Determinations

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

CITATION FORMATS

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

Old Permit Numbers

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

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

New Permit Numbers

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

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

PSD Permit Numbers

Example: Permit No. PSD-FL-317

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

Florida Administrative Code (F.A.C.)

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

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

Code of Federal Regulations (CFR)

Example: [40 CFR 60.7]

Means: Title 40, Part 60, Section 7

GLOSSARY OF COMMON TERMS

° F: degrees Fahrenheit

µg: microgram

AAQS: Ambient Air Quality Standard

acf: actual cubic feet

acfm: actual cubic feet per minute

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

BACT: best available control technology

bhp: brake horsepower

Btu: British thermal units

CAM: compliance assurance monitoring

CEMS: continuous emissions monitoring system

cfm: cubic feet per minute

CFR: Code of Federal Regulations

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

CAA: Clean Air Act	NESHAP: National Emissions Standards for Hazardous Air Pollutants
CMS: continuous monitoring system	NO_x: nitrogen oxides
CO: carbon monoxide	NSPS: New Source Performance Standards
CO₂: carbon dioxide	O&M: operation and maintenance
COMS: continuous opacity monitoring system	O₂: oxygen
DARM: Division of Air Resource Management	Pb: lead
DEP: Department of Environmental Protection	PM: particulate matter
Department: Department of Environmental Protection	PM₁₀: particulate matter with a mean aerodynamic diameter of 10 microns or less
dscf: dry standard cubic feet	ppm: parts per million
dscfm: dry standard cubic feet per minute	ppmv: parts per million by volume
EPA: Environmental Protection Agency	ppmvd: parts per million by volume, dry basis
ESP: electrostatic precipitator (control system for reducing particulate matter)	QA: quality assurance
EU: emissions unit	QC: quality control
F: fluoride	PSD: prevention of significant deterioration
F.A.C.: Florida Administrative Code	psi: pounds per square inch
F.A.W.: Florida Administrative Weekly	PTE: potential to emit
F.D.: forced draft	RACT: reasonably available control technology
F.S.: Florida Statutes	RATA: relative accuracy test audit
FGD: flue gas desulfurization	RBLC: EPA's RACT/BACT/LAER Clearinghouse
FGR: flue gas recirculation	SAM: sulfuric acid mist
ft²: square feet	scf: standard cubic feet
ft³: cubic feet	scfm: standard cubic feet per minute
gpm: gallons per minute	SIC: standard industrial classification code
gr: grains	SIP: State Implementation Plan
HAP: hazardous air pollutant	SNCR: selective non-catalytic reduction (control system used for reducing emissions of nitrogen oxides)
Hg: mercury	SO₂: sulfur dioxide
I.D.: induced draft	TPD: tons/day
ID: identification	TPH: tons per hour
kPa: kilopascals	TPY: tons per year
lb: pound	TRS: total reduced sulfur
MACT: maximum achievable technology	UTM: Universal Transverse Mercator coordinate system
MMBtu: million British thermal units	VE: visible emissions
MSDS: material safety data sheets	VOC: volatile organic compounds
MW: 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 403.141, 403.727, or 403.859 through 403.861, F.S. The permittee is placed on notice that the Department will review this permit periodically and may initiate enforcement action for any violation of these conditions.
2. This permit is valid only for the specific processes and operations applied for and indicated in the approved drawings or exhibits. Any unauthorized deviation from the approved drawings, exhibits, specifications, or conditions of this permit may constitute grounds for revocation and enforcement action by the Department.
3. As provided in subsections 403.987(6) and 403.722(5), F.S., the issuance of this permit does not convey any vested rights or any exclusive privileges. Neither does it authorize any injury to public or private property or any invasion of personal rights, nor any infringement of federal, state, or local laws or regulations. This permit is not a waiver of or approval of any other department permit that may be required for other aspects of the total project which are not addressed in this permit.
4. This permit conveys no title to land or water, does not constitute State recognition or acknowledgment of title, and not constitute authority for the use of submerged lands unless herein provided and the necessary title or leasehold interests have been obtained from the State. Only the Trustees of the Internal Improvement Trust Fund may express State opinion as to title.
5. This permit does not relieve the permittee from liability for harm or injury to human health or welfare, animal, or plant life, or property caused by the construction or operation of this permitted source, or from penalties therefore; nor does it allow the permittee to cause pollution in contravention of Florida Statutes and Department rules, unless specifically authorized by an order from the Department.
6. The permittee shall properly operate and maintain the facility and systems of treatment and control (and related appurtenances) that are installed and used by the permittee to achieve compliance with the conditions of this permit, as required by Department rules. This provision includes the operation of backup or auxiliary facilities or similar systems when necessary to achieve compliance with the conditions of the permit and when required by Department rules.
7. The permittee, by accepting this permit, specifically agrees to allow authorized Department personnel, upon presentation of credentials or other documents as may be required by law and at reasonable times, access to the premises where the permitted activity is located or conducted to:
 - a. Have access to and copy any records that must be kept under conditions of the permit;
 - b. Inspect the facility, equipment, practices, or operations regulated or required under this permit; and
 - c. Sample or monitor any substances or parameters at any location reasonably necessary to assure compliance with this permit or Department rules. Reasonable time may depend on the nature of the concern being investigated.
8. If, for any reason, the permittee does not comply with or will be unable to comply with any condition or limitation specified in this permit, the permittee shall immediately provide the Department with the following information:
 - a. A description of and cause of noncompliance; and
 - b. The period of noncompliance, including dates and times; or, if not corrected, the anticipated time the noncompliance is expected to continue, and steps being taken to reduce, eliminate, and prevent recurrence of the noncompliance. The permittee shall be responsible for any and all damages which may result and may be subject to enforcement action by the Department for penalties or for revocation of this permit.
9. In accepting this permit, the permittee understands and agrees that all records, notes, monitoring data and other information relating to the construction or operation of this permitted source which are submitted to the Department may be used by the Department as evidence in any enforcement case involving the permitted source arising under the Florida Statutes or Department rules, except where such use is prescribed by Sections 403.111 and 403.73, F.S. Such evidence shall only be used to the extent it is consistent with the Florida Rules of Civil Procedure and appropriate evidentiary rules.

SECTION 4. APPENDIX B**General Conditions**

10. The permittee agrees to comply with changes in Department rules and Florida Statutes after a reasonable time for compliance; provided, however, the permittee does not waive any other rights granted by Florida Statutes or Department rules. A reasonable time for compliance with a new or amended surface water quality standard, other than those standards addressed in Rule 62-302.500, F.A.C., shall include a reasonable time to obtain or be denied a mixing zone for the new or amended standard.
11. This permit is transferable only upon Department approval in accordance with Rules 62-4.120 and 62-730.300, F.A.C., as applicable. The permittee shall be liable for any non-compliance of the permitted activity until the transfer is approved by the Department.
12. This permit or a copy thereof shall be kept at the work site of the permitted activity.
13. This permit also constitutes:
 - a. Determination of Best Available Control Technology (H₂S);
 - b. Determination of Prevention of Significant Deterioration (H₂S); and
 - c. Compliance with New Source Performance Standards (not applicable to project).
14. The permittee shall comply with the following:
 - a. Upon request, the permittee shall furnish all records and plans required under Department rules. During enforcement actions, the retention period for all records will be extended automatically unless otherwise stipulated by the Department.
 - b. The permittee shall hold at the facility or other location designated by this permit records of all monitoring information (including all calibration and maintenance records and all original strip chart recordings for continuous monitoring instrumentation) required by the permit, copies of all reports required by this permit, and records of all data used to complete the application for this permit. These materials shall be retained at least three years from the date of the sample, measurement, report, or application unless otherwise specified by Department rule.
 - c. Records of monitoring information shall include:
 - (a) The date, exact place, and time of sampling or measurements;
 - (b) The person responsible for performing the sampling or measurements;
 - (c) The dates analyses were performed;
 - (d) The person responsible for performing the analyses;
 - (e) The analytical techniques or methods used;
 - (f) The results of such analyses.
15. When requested by the Department, the permittee shall within a reasonable time furnish any information required by law which is needed to determine compliance with the permit. If the permittee becomes aware the relevant facts were not submitted or were incorrect in the permit application or in any report to the Department, such facts or information shall be corrected promptly.

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 2 hours in any 24-hour period unless specifically authorized by the Department for longer duration. Pursuant to Rule 62-210.700(5), F.A.C., the permit subsection may specify more or less stringent requirements for periods of excess emissions. Rule 62-210-700(Excess Emissions), F.A.C., cannot vary or supersede any federal NSPS or NESHAP provision. [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 Compliance Authority 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.]

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. **Emissions Computation and Reporting:**
 - a. **Applicability.** This rule sets forth required methodologies to be used by the owner or operator of a facility for computing actual emissions, baseline actual emissions, and net emissions increase, as defined at Rule 62-210.200, F.A.C., and for computing emissions for purposes of the reporting requirements of subsection 62-210.370(3) and paragraph 62-212.300(1)(e), F.A.C., or of any permit condition that requires emissions be computed in accordance

SECTION 4. APPENDIX C

Common Conditions

with this rule. This rule is not intended to establish methodologies for determining compliance with the emission limitations of any air permit. [Rule 62-210.370(1), F.A.C.]

- b. *Computation of Emissions.* For any of the purposes set forth in subsection 62-210.370(1), F.A.C., the owner or operator of a facility shall compute emissions in accordance with the requirements set forth in this subsection.
- (1) *Basic Approach.* The owner or operator shall employ, on a pollutant-specific basis, the most accurate of the approaches set forth below to compute the emissions of a pollutant from an emissions unit; provided, however, that nothing in this rule shall be construed to require installation and operation of any continuous emissions monitoring system (CEMS), continuous parameter monitoring system (CPMS), or predictive emissions monitoring system (PEMS) not otherwise required by rule or permit, nor shall anything in this rule be construed to require performance of any stack testing not otherwise required by rule or permit.
- (a) If the emissions unit is equipped with a CEMS meeting the requirements of paragraph 62-210.370(2)(b), F.A.C., the owner or operator shall use such CEMS to compute the emissions of the pollutant, unless the owner or operator demonstrates to the department that an alternative approach is more accurate because the CEMS represents still-emerging technology.
- (b) If a CEMS is not available or does not meet the requirements of paragraph 62-210.370(2)(b), F.A.C., but emissions of the pollutant can be computed pursuant to the mass balance methodology of paragraph 62-210.370(2)(c), F.A.C., the owner or operator shall use such methodology, unless the owner or operator demonstrates to the department that an alternative approach is more accurate.
- (c) If a CEMS is not available or does not meet the requirements of paragraph 62-210.370(2)(b), F.A.C., and emissions cannot be computed pursuant to the mass balance methodology, the owner or operator shall use an emission factor meeting the requirements of paragraph 62-210.370(2)(d), F.A.C., unless the owner or operator demonstrates to the department that an alternative approach is more accurate.
- (2) *Continuous Emissions Monitoring System (CEMS).*
- (a) An owner or operator may use a CEMS to compute emissions of a pollutant for purposes of this rule provided:
- 1) The CEMS complies with the applicable certification and quality assurance requirements of 40 CFR Part 60, Appendices B and F, or, for an acid rain unit, the certification and quality assurance requirements of 40 CFR Part 75, all adopted by reference at Rule 62-204.800, F.A.C.; or
- 2) The owner or operator demonstrates that the CEMS otherwise represents the most accurate means of computing emissions for purposes of this rule.
- (b) Stack gas volumetric flow rates used with the CEMS to compute emissions shall be obtained by the most accurate of the following methods as demonstrated by the owner or operator:
- 1) A calibrated flow meter that records data on a continuous basis, if available; or
- 2) The average flow rate of all valid stack tests conducted during a five-year period encompassing the period over which the emissions are being computed, provided all stack tests used shall represent the same operational and physical configuration of the unit.
- (c) The owner or operator may use CEMS data in combination with an appropriate f-factor, heat input data, and any other necessary parameters to compute emissions if such method is demonstrated by the owner or operator to be more accurate than using a stack gas volumetric flow rate as set forth at subparagraph 62-210.370(2)(b)2., F.A.C., above.
- (3) *Mass Balance Calculations.*
- (a) An owner or operator may use mass balance calculations to compute emissions of a pollutant for purposes of this rule provided the owner or operator:
- 1) Demonstrates a means of validating the content of the pollutant that is contained in or created by all materials or fuels used in or at the emissions unit; and

SECTION 4. APPENDIX C

Common Conditions

- 2) Assumes that the emissions unit emits all of the pollutant that is contained in or created by any material or fuel used in or at the emissions unit if it cannot otherwise be accounted for in the process or in the capture and destruction of the pollutant by the unit's air pollution control equipment.
 - (b) Where the vendor of a raw material or fuel which is used in or at the emissions unit publishes a range of pollutant content from such material or fuel, the owner or operator shall use the highest value of the range to compute the emissions, unless the owner or operator demonstrates using site-specific data that another content within the range is more accurate.
 - (c) In the case of an emissions unit using coatings or solvents, the owner or operator shall document, through purchase receipts, records and sales receipts, the beginning and ending VOC inventories, the amount of VOC purchased during the computational period, and the amount of VOC disposed of in the liquid phase during such period.
- (4) Emission Factors.
- (a) An owner or operator may use an emission factor to compute emissions of a pollutant for purposes of this rule provided the emission factor is based on site-specific data such as stack test data, where available, unless the owner or operator demonstrates to the department that an alternative emission factor is more accurate. An owner or operator using site-specific data to derive an emission factor, or set of factors, shall meet the following requirements.
 - 1) If stack test data are used, the emission factor shall be based on the average emissions per unit of input, output, or gas volume, whichever is appropriate, of all valid stack tests conducted during at least a five-year period encompassing the period over which the emissions are being computed, provided all stack tests used shall represent the same operational and physical configuration of the unit.
 - 2) Multiple emission factors shall be used as necessary to account for variations in emission rate associated with variations in the emissions unit's operating rate or operating conditions during the period over which emissions are computed.
 - 3) The owner or operator shall compute emissions by multiplying the appropriate emission factor by the appropriate input, output or gas volume value for the period over which the emissions are computed. The owner or operator shall not compute emissions by converting an emission factor to pounds per hour and then multiplying by hours of operation, unless the owner or operator demonstrates that such computation is the most accurate method available.
 - (b) If site-specific data are not available to derive an emission factor, the owner or operator may use a published emission factor directly applicable to the process for which emissions are computed. If no directly-applicable emission factor is available, the owner or operator may use a factor based on a similar, but different, process.
- (5) Accounting for Emissions During Periods of Missing Data from CEMS, PEMS, or CPMS. In computing the emissions of a pollutant, the owner or operator shall account for the emissions during periods of missing data from CEMS, PEMS, or CPMS using other site-specific data to generate a reasonable estimate of such emissions.
 - (6) Accounting for Emissions During Periods of Startup and Shutdown. In computing the emissions of a pollutant, the owner or operator shall account for the emissions during periods of startup and shutdown of the emissions unit.
 - (7) Fugitive Emissions. In computing the emissions of a pollutant from a facility or emissions unit, the owner or operator shall account for the fugitive emissions of the pollutant, to the extent quantifiable, associated with such facility or emissions unit.
 - (8) Recordkeeping. The owner or operator shall retain a copy of all records used to compute emissions pursuant to this rule for a period of five years from the date on which such emissions information is submitted to the department for any regulatory purpose.

SECTION 4. APPENDIX C

Common Conditions

[Rule 62-210.370(2), F.A.C.]

c. *Annual Operating Report for Air Pollutant Emitting Facility*

- (1) The Annual Operating Report for Air Pollutant Emitting Facility (DEP Form No. 62-210.900(5)) shall be completed each year for the following facilities:
 - a. All Title V sources;
 - b. All synthetic non-Title V sources;
 - c. All facilities with the potential to emit ten (10) tons per year or more of volatile organic compounds or twenty-five (25) tons per year or more of nitrogen oxides and located in an ozone nonattainment area or ozone air quality maintenance area; and
 - d. All facilities for which an annual operating report is required by rule or permit.
- (2) Notwithstanding paragraph 62-210.370(3)(a), F.A.C., no annual operating report shall be required for any facility operating under an air general permit.
- (3) The annual operating report shall be submitted to the appropriate Department of Environmental Protection (DEP) division, district or DEP-approved local air pollution control program office by April 1 of the following year. If the report is submitted using the Department's electronic annual operating report software, there is no requirement to submit a copy to any DEP or local air program office.
- (4) Emissions shall be computed in accordance with the provisions of subsection 62-210.370(2), F.A.C., for purposes of the annual operating report.
- (5) Facility Relocation. Unless otherwise provided by rule or more stringent permit condition, the owner or operator of a relocatable facility must submit a Facility Relocation Notification Form (DEP Form No. 62-210.900(6)) to the Department at least 30 days prior to the relocation. A separate form shall be submitted for each facility in the case of the relocation of multiple facilities which are jointly owned or operated.

[Rule 62-210.370(3), F.A.C.]

SECTION 4. APPENDIX D

Final BACT Determinations

PROJECT DESCRIPTION

EU No.	Emission Unit Description
036	Two Hydrogen Sulfide (H ₂ S) Degasification Systems

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. U.S. Sugar previously installed and currently operates five well pumps including piping, two H₂S degasification systems, three transfer pumps, a 600 gallon day tank and a 17,100 gallon horizontal storage tank for the sulfuric acid feed system.

FINAL BACT DETERMINATION

In accordance with Rule 62-212.400, F.A.C., the Department makes the following BACT determinations for the PSD-significant pollutants.

Pollutant	BACT Standard	Compliance Method
H ₂ S	18.0 tons per consecutive 12-month rolling total	Based on monthly raw well water flow rates and quarterly water sampling to determine the H ₂ S concentration in the water going to the degasification units.

If the facility receives valid odor complaints associated with the degasification systems as verified by the Compliance Authority, the permittee may be requested to revisit the determination of BACT for H₂S emissions from degasification systems.

Scearce, Lynn

From: Scearce, Lynn
Sent: Monday, August 22, 2011 3:41 PM
To: 'nsmith@ussugar.com'
Cc: 'ktingberg@ussugar.com'; 'dbuff@golder.com'; Satyal, Ajaya; 'forney.kathleen@epa.gov'; 'abrams.heather@epa.gov'; 'oquendo.ana@epa.gov'; McWade, Tammy; DeAngelo, Gregory; 'Scearce, Lynn'; Friday, Barbara
Subject: 0510003-050, U.S. Sugar Clewiston Facility- Administrative Correction
Attachments: 0510003-050-AC administrative_correction_signature page.pdf; 0510003-050-AC - Final Permit Admin Correction_signature page.pdf

Tracking:	Recipient	Delivery	Read
	'nsmith@ussugar.com'		OK
	'ktingberg@ussugar.com'		
	'dbuff@golder.com'		
	Satyal, Ajaya	Delivered: 8/22/2011 3:41 PM	Read: 8/22/2011 3:42 PM
	'forney.kathleen@epa.gov'		
	'abrams.heather@epa.gov'		
	'oquendo.ana@epa.gov'		
	McWade, Tammy	Delivered: 8/22/2011 3:41 PM	
	DeAngelo, Gregory	Delivered: 8/22/2011 3:41 PM	Read: 8/22/2011 4:14 PM
	'Scearce, Lynn'		Read: 8/22/2011 3:41 PM
	Friday, Barbara	Delivered: 8/22/2011 3:41 PM	
	Scearce, Lynn	Delivered: 8/22/2011 3:41 PM	

Dear Mr. Smith:

Attached is the official **Notice of an Administrative Correction** for the project referenced below. Click on the link displayed below to access the permit project documents and send a "reply" message verifying receipt of the document(s) provided in the link; this may be done by selecting "Reply" on the menu bar of your e-mail software, noting that you can view the documents, and then selecting "Send".

Note: We must receive verification that you are able to access the documents. Your immediate reply will preclude subsequent e-mail transmissions to verify accessibility of the document(s).

Attention: Tammy McWade

Owner/Company Name: U.S. SUGAR CORP. CLEWISTON MILL
Facility Name: U.S. SUGAR CLEWISTON MILL AND REFINERY
Project Number: 0510003-050-AC
Permit Status: ADMIN
Permit Activity: ADMIN CORRECTION
Facility County: HENDRY

Click on the following link to access the permit project documents:
http://ARM-PERMIT2K.dep.state.fl.us/adh/prod/pdf_permit_zip_files/0510003.050.AC.A_pdf.zip

The Office of Permitting and Compliance 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. Access these documents by clicking on the link provided above, or search for other project documents using the “*Air Permit Documents Search*” website at <http://www.dep.state.fl.us/air/emission/apds/default.asp>.

Permit project documents addressed in this email may require immediate action within a specified time frame. Please open and review the document(s) as soon as possible, and verify that they are accessible. Please advise this office of any changes to your e-mail address or that of the Engineer-of-Record. If you have any problems opening the documents or would like further information, please contact the Florida Department of Environmental Protection, Office of Permitting and Compliance.

Note: The attached 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>> .

Regards,

Lynn Searce

Office of Permitting and Compliance (OPC)

Division of Air Resources Management

850-717-9025

Scearce, Lynn

From: Keith Tingberg [ktingberg@ussugar.com]
Sent: Monday, August 22, 2011 4:16 PM
To: Scearce, Lynn
Subject: RE: 0510003-050, U.S. Sugar Clewiston Facility- Administrative Correction

We have received these documents.

Keith Tingberg
Environmental Manager
U.S. Sugar Corp. - Sugar Manufacturing
(Office) 863-902-3186
(Cell) 863-233-1297
(Fax) 863-902-3149

From: Scearce, Lynn [mailto:Lynn.Scearce@dep.state.fl.us]
Sent: Monday, August 22, 2011 3:41 PM
To: Neil Smith
Cc: Keith Tingberg; dbuff@golder.com; Satyal, Ajaya; forney.kathleen@epa.gov; abrams.heather@epa.gov; oquendo.ana@epa.gov; McWade, Tammy; DeAngelo, Gregory; Scearce, Lynn; Friday, Barbara
Subject: 0510003-050, U.S. Sugar Clewiston Facility- Administrative Correction

Dear Mr. Smith:

Attached is the official **Notice of an Administrative Correction** for the project referenced below. Click on the link displayed below to access the permit project documents and send a "reply" message verifying receipt of the document(s) provided in the link; this may be done by selecting "Reply" on the menu bar of your e-mail software, noting that you can view the documents, and then selecting "Send".

Note: We must receive verification that you are able to access the documents. Your immediate reply will preclude subsequent e-mail transmissions to verify accessibility of the document(s).

Attention: Tammy McWade

Owner/Company Name: U.S. SUGAR CORP. CLEWISTON MILL
Facility Name: U.S. SUGAR CLEWISTON MILL AND REFINERY
Project Number: 0510003-050-AC
Permit Status: ADMIN
Permit Activity: ADMIN CORRECTION
Facility County: HENDRY

Click on the following link to access the permit project documents:
http://ARM-PERMIT2K.dep.state.fl.us/adh/prod/pdf_permit_zip_files/0510003.050.AC.A_pdf.zip

The Office of Permitting and Compliance 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. Access these documents by clicking on the link provided above, or search for other project documents using the "Air Permit Documents Search" website at <http://www.dep.state.fl.us/air/emission/apds/default.asp>.

Permit project documents addressed in this email may require immediate action within a specified time frame. Please open and review the document(s) as soon as possible, and verify that they are accessible. Please advise this office of any changes to your e-mail address or that of the Engineer-of-Record. If you have any problems opening the documents or would like further information, please contact the Florida Department of Environmental Protection, Office of Permitting and Compliance.

Note: The attached 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>> .

Regards,
Lynn Searce
Office of Permitting and Compliance (OPC)
Division of Air Resources Management
850-717-9025

The Department of Environmental Protection values its customer opinions and feedback. Please take a few minutes to share your comments on the service you received from the department by clicking on this link [DEP Customer Survey](#).

Scearce, Lynn

From: Neil Smith [nsmith@ussugar.com]
Sent: Monday, August 22, 2011 3:53 PM
Subject: Read: 0510003-050, U.S. Sugar Clewiston Facility- Administrative Correction

Your message was read on Monday, August 22, 2011 3:53:15 PM (GMT-05:00) Eastern Time (US & Canada).

Scearce, Lynn

From: Buff, Dave [DBuff@GOLDER.com]
To: Scearce, Lynn
Sent: Monday, August 22, 2011 3:44 PM
Subject: Read: 0510003-050, U.S. Sugar Clewiston Facility- Administrative Correction

Your message was read on Monday, August 22, 2011 3:44:22 PM (GMT-05:00) Eastern Time (US & Canada).

Scearce, Lynn

From: Buff, Dave [DBuff@GOLDER.com]
To: Scearce, Lynn
Sent: Monday, August 22, 2011 3:44 PM
Subject: Read: 0510003-050, U.S. Sugar Clewiston Facility- Administrative Correction

Your message was read on Monday, August 22, 2011 3:44:22 PM (GMT-05:00) Eastern Time (US & Canada).

Scearce, Lynn

From: Microsoft Exchange
To: nsmith@ussugar.com; ktingberg@ussugar.com
Sent: Monday, August 22, 2011 3:41 PM
Subject: Relayed: 0510003-050, U.S. Sugar Clewiston Facility- Administrative Correction

Delivery to these recipients or distribution lists is complete, but delivery notification was not sent by the destination:

nsmith@ussugar.com

ktingberg@ussugar.com

Subject: 0510003-050, U.S. Sugar Clewiston Facility- Administrative Correction

Sent by Microsoft Exchange Server 2007