



Florida Department of
Environmental Protection

Memorandum

TO: Trina Vielhauer
THRU: Scott Sheplak 
FROM: Edward Svec 
DATE: February 25, 2004
SUBJECT: Citrusuco North America, Inc.
Title V Permit Revision
1050001-008-AV

Attached for approval and signature is the intent to issue a Title V permit revision for A. Citrusuco North America, Inc. This permit revision authorizes the replacement of an existing 800 horsepower boiler, (E.U. ID No. -001), with a new 2,000 horsepower boiler, (E.U. ID No. -013), as established by permit 1050001-007-AC. The Statement of Basis contains a more detailed explanation of the changes.

February 25, 2004 is day 73 of the 90 day timeclock.

Attachments

/es



Department of Environmental Protection

Jeb Bush
Governor

Twin Towers Office Building
2600 Blair Stone Road
Tallahassee, Florida 32399-2400

David B. Struhs
Secretary

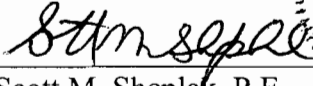
P.E. Certification Statement

Permittee:
Citrosuco North America, Inc.

Permit No.: 1050001-007-AC
Permit No.: 1050001-008-AV

Project type: Air Construction Permit & Title V Permit Revision

I HEREBY CERTIFY that the 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, and geological features).



Scott M. Sheplak, P.E.
Registration Number: 48866



Permitting Authority:
Department of Environmental Protection
Bureau of Air Regulation
111 South Magnolia Drive, Suite 4
Tallahassee, Florida 32301
Telephone: 850/921-9532
Fax: 850/922-6979

STATEMENT OF BASIS

Citrosuco North America, Inc.
Facility ID No.: 1050001
Polk County

Title V Air Operation Permit Revision
DRAFT Permit Project No.: 1050001-008-AV
Revision to Title V Air Operation Permit No.: 1050001-001-AV

The initial Title V Air Operation Permit, No. 1050001-001-AV, was issued/effective on December 28, 1999. This Title V Air Operation Permit Revision is issued under the provisions of Chapter 403, Florida Statutes (F.S.), and Florida Administrative Code (F.A.C.) Chapters 62-4, 62-210 and 62-213. The above named permittee is hereby authorized to operate the facility shown on the application and approved drawing(s), plans, and other documents, attached hereto or on file with the permitting authority, in accordance with the terms and conditions of this permit.

The subject of this permit revision is to incorporate the terms and conditions of air construction permit, No. 1050001-007-AC, for a newly constructed 2,000 horsepower boiler, as a replacement to the existing No. 1 boiler, a 800 horsepower Johnson boiler.

The following changes are made to the Title V permit:

All reference to the 800 horsepower Johnson boiler, Emissions Unit I.D. No. -001, are removed from Section III, Subsection A.

New Section III, Subsection E, which incorporates the requirements of 1050001-007-AC for Emissions Unit I.D. -013 (2,000 HP Boiler #1A), is added to the permit.

CAM does not apply.

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

Based on the initial Title V permit application received June 14, 1996, this facility is not a major source of hazardous air pollutants (HAPs).

Citrosuco North America, Inc.
Facility ID No.: 1050001
Polk County

Title V Air Operation Permit Revision

DRAFT Permit No.: 1050001-008-AV
Revision to Title V Air Operation Permit No.: 1050001-001-AV

Permitting Authority:

State of Florida
Department of Environmental Protection
Division of Air Resources Management
Bureau of Air Regulation
Mail Station #5505
2600 Blair Stone Road
Tallahassee, Florida 32399-2400
Telephone: 850/488-0114
Fax: 850/922-6979

Compliance Authority:

Department of Environmental Protection
Southwest District Office
3804 Coconut Palm Drive
Tampa, Florida 33619-8218
Telephone: 813/744-6100
Fax: 813/744-6084

Title V Air Operation Permit Revision

DRAFT Permit No.: 1050001-008-AV

Revision to Title V Air Operation Permit No.: 1050001-001-AV

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Jeb Bush
Governor

Department of Environmental Protection

Twin Towers Office Building
2600 Blair Stone Road
Tallahassee, Florida 32399-2400

David B. Struhs
Secretary

Permittee:
Citrosuco North America
P.O. Box 3950
Lake Wales, Florida 33898

DRAFT Permit No.: 1050001-008-AV
Facility ID No.: 1050001
SIC No(s): 20, 2033
Project: Title V Air Operation Permit Revision

This permit revision is being issued for the purpose of incorporating the terms and conditions of air construction permit, No. 1050001-007-AC, for a new 2,000 horsepower boiler as a replacement to the existing No. 1 boiler, a 800 horsepower Johnson boiler, and located at their existing facility. This facility is located at Highway 60 - East of Lake Wales, Lake Wales, Polk County; UTM Coordinates: Zone 17, 452.4 km East and 3085.5 km North; Latitude: 27° 53' 42" North and Longitude: 81° 21' 01" West.

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

Referenced attachments made a part of this permit:

Appendix U-1, List of Unregulated Emissions Units and/or Activities
Appendix I-1, List of Insignificant Emissions Units and/or Activities
APPENDIX TV-4, TITLE V CONDITIONS version dated 02/12/02
APPENDIX SS-1, STACK SAMPLING FACILITIES version dated 10/07/96
TABLE 297.310-1, CALIBRATION SCHEDULE version dated 10/07/96

Effective Date: December 28, 1999
Revision Effective Date: ARMS Day 55
Renewal Application Due Date: July 1, 2004
Expiration Date: December 28, 2004

Michael G. Cooke, Director
Division of Air Resource
Management

MGC/sms/ejs

"More Protection, Less Process"

Printed on recycled paper.

Section I. Facility Information.

Subsection A. Facility Description.

This facility consists of two citrus peel dryers, two citrus peel pellet mill coolers, four boilers (one-125, one-1000, and two-2000 horsepower), and process equipment (which includes fruit washers, oil and juice extraction equipment, cooling towers, fruit and peel conveyance equipment and peel storage).

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

Based on the initial Title V permit application received June 14, 1996, this facility is not a major source of hazardous air pollutants (HAPs).

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

E.U. ID

<u>No.</u>	<u>Brief Description</u>
-006	Citrus Peel Dryer No. 2
-007	Citrus Peel Dryer No. 3
-008	2000 HP Boiler No. 3
-009	Pellet Cooler No. 2
-010	Pellet Cooler No. 3
-012	New 1,000 Horsepower Boiler
-013	2,000 Horsepower Boiler #1A

Unregulated Emissions Units and/or Activities

-011	Facility Wide Fugitive Emissions
------	----------------------------------

Please reference the Permit No., Facility ID No., and appropriate Emissions Unit(s) ID No(s). on all correspondence, test report submittals, applications, etc.

Subsection C. Relevant Documents.

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

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

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

Table 2-1, Summary of Compliance Requirements

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

Appendix H-1: Permit History

Statement of Basis

These documents are on file with the permitting authority:

Initial Title V Air Operation Permit issued December 28, 1999

Application for a Title V Air Operation Permit Revision received May 13, 2002

Additional Information Request dated May 16, 2002

Additional Information Response received July 22, 2002

Subsection D. Miscellaneous.

The use of 'Permitting Notes' throughout this permit are for informational purposes only and are not permit conditions.

Section II. Facility-wide Conditions.

The following conditions apply facility-wide:

1. APPENDIX TV-4, TITLE V CONDITIONS, is a part of this permit.

{Permitting note: APPENDIX TV-4, TITLE V CONDITIONS, is distributed to the permittee only. Other persons requesting copies of these conditions shall be provided a copy when requested or otherwise appropriate.}

2. **[Not federally enforceable.]** General Pollutant Emission Limiting Standards. Objectionable Odor Prohibited. No person shall cause, suffer, allow, or permit the discharge of air pollutants which cause or contribute to an objectionable odor.

[Rule 62-296.320(2), F.A.C.]

3. General Particulate Emission Limiting Standards. General Visible Emissions Standard.

Except for emissions units that are subject to a particulate matter or opacity limit set forth or established by rule and reflected by conditions in this permit, no person shall cause, let, permit, suffer or allow to be discharged into the atmosphere the emissions of air pollutants from any activity, the density of which is equal to or greater than that designated as Number 1 on the Ringelmann Chart (20 percent opacity). EPA Method 9 is the method of compliance pursuant to Chapter 62-297, F.A.C.

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

4. Prevention of Accidental Releases (Section 112(r) of CAA).

a. The permittee shall submit its Risk Management Plan (RMP) to the Chemical Emergency Preparedness and Prevention Office (CEPPO) RMP Reporting Center when, and if, such requirement becomes applicable. Any Risk Management Plans, original submittals, revisions or updates to submittals, should be sent to:

RMP Reporting Center
Post Office Box 3346
Merrifield, VA 22116-3346
Telephone: 703/816-4434

and,

b. The permittee shall submit to the permitting authority Title V certification forms or a compliance schedule in accordance with Rule 62-213.440(2), F.A.C.

[40 CFR 68]

5. Unregulated Emissions Units and/or Activities. Appendix U-1, List of Unregulated Emissions Units and/or Activities, is a part of this permit.

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

6. Insignificant Emissions Units and/or Activities. Appendix I-1, List of Insignificant Emissions Units and/or Activities, is a part of this permit.

[Rules 62-213.440(1), 62-213.430(6) and 62-4.040(1)(b), F.A.C.]

7. General Pollutant Emission Limiting Standards. Volatile Organic Compounds Emissions or Organic Solvents Emissions. The permittee shall allow no person to store, pump, handle, process, load, unload or use in any process or installation, volatile organic compounds or organic solvents without applying known and existing vapor emission control devices or systems deemed necessary and ordered by the Department. Nothing was deemed necessary and ordered at this time.

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

- 8.** Reasonable precautions to prevent emissions of unconfined particulate matter at this facility include:
- a. Application of water to paved and unpaved areas accommodating vehicular traffic if a visible particulate plume is observed to extend more than 15 feet from the point of origin.
 - b. Removal of particulate matter from buildings or work areas to prevent a visible particulate plume of unconfined particulate greater than 20%.
 - c. Use of enclosure(s) or covering of conveyor systems where necessary to prevent unconfined particulate emissions from having an opacity greater than 20%. This includes the storage and loadout of pellets.

[Rule 62-296.320(4)(c)2., F.A.C.; Proposed by applicant in the initial Title V permit application received June 14, 1996]

9. Excess emissions resulting from startup, shutdown or malfunction of any source shall be permitted providing (1) best operational practices to minimize emissions are adhered to (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.]

{Permitting note: The Excess Emissions Rule at Rule 62-210.700, F.A.C., cannot vary any requirement of a NSPS or NESHAP provision.}

10. Excess emissions which are caused entirely or in part by poor maintenance, poor operation, or any other equipment or process failure which may reasonably be prevented during startup, shutdown, or malfunction shall be prohibited.

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

11. A statement that a situation arising from sudden and unforeseeable events beyond the control of the source which causes an exceedence of a technology-based emissions limitation because of unavoidable increases in emissions attributable to the situation and which requires immediate corrective action to restore normal operation, shall be an affirmative defense to an enforcement action in accordance with the provisions and requirements of 40 CFR 70.6(g)(2) and (3).

[Rule 62-213.440(1)(d)5, F.A.C.]

Test Methods and Procedures

12. Compliance with the monitoring requirements of this permit for monitoring equipment not previously installed prior to issuance of this permit shall commence on the date of the next required compliance test after issuance of this permit.

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

13. The requirements for stack sampling facilities, source sampling and reporting, shall be in accordance with Chapter 62-297, F.A.C., *Stationary Sources - Emission Monitoring* and 40 CFR 60, Appendix A.

[Rule 62-297.401, F.A.C.]

14. The visible emissions test shall be conducted by a certified observer and be a minimum of thirty minutes in duration, unless otherwise specified within. The test observation period shall include the period during which the highest opacity can reasonably be expected to occur.

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

15. Testing of emissions shall be conducted with the source operating at permitted capacity. Permitted capacity is defined as 90-100 percent of the maximum operating rate allowed by the permit. If it is impracticable to test at permitted capacity, then sources may be tested at less than capacity; in this case subsequent source operation is limited to 110 percent of the test load until a new test is conducted. Once the unit is so limited, then operation at higher capacities is allowed for no more than 15 consecutive days for the purposes of additional compliance testing to regain the permitted capacity in the permit. In no case shall the process or production rate exceed the maximum permitted process or production rate. The actual process or production rate during the test shall be included in each test report. Failure to include the actual process or production rate in the results may invalidate the test. In addition, the test results shall include any operating parameters limited or specified to be recorded in this permit, e.g., scrubber flow rate.

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

16. If the Department of Environmental Protection has reason to believe that any applicable emission standard is being violated, then the Department of Environmental Protection may require the permittee to conduct compliance tests which identify the nature and quantity of pollutant emissions and to provide a report on the results of the tests.

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

Recordkeeping and Reporting Requirements

17. The permittee shall notify the Air Compliance Section of the Southwest District Office of 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 contact person who will be responsible for coordinating and having such test conducted.

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

18. The permittee shall submit to the Air Compliance Section of Southwest District Office of the Department each calendar year, on or before March 1, a completed DEP Form 62-210.900(5), an "Annual Operating Report for Air Pollutant Emitting Facility", for the preceding calendar year containing the following information pursuant to Subsection 403.061(13), F.S.:

- a. Annual amount of materials and/or fuels utilized;
- b. Annual emissions (note calculation basis);
- c. Hours of operation;
- d. Any changes in the information contained in the permit.

The annual "Statement of Compliance" shall be submitted with the AOR.

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

19. Test Reports

- a. The owner or operator of an emissions unit for which a compliance test is required shall file a report with the Air Compliance Section of Southwest District Office of the Department, and the applicable local program(s) on the results of each such test.
- b. The required test report shall be filed with the Department as soon as practical but no later than 45 days after the last sampling run of each test is completed or with the operating permit application, whichever is earlier.
- c. The report shall provide sufficient detail on the emissions unit tested (at a minimum, the "Project", "Facility ID" and "Point ID"), the test procedures used to allow the Department to determine if the test report was properly conducted and the test results properly computed. Testing procedures shall be consistent with the requirements of Rule 62-297.310(7), F.A.C.
- d. The test report, other than for an EPA or DEP Method 9 test, as a minimum, shall provide the following information:
 1. 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.
 2. The normal operating parameters of air pollution control devices installed on each emission unit (e.g., pressure drop, scrubber liquid flow rate, scrubber liquid pressure, total current, etc.), and the operating parameters of air pollution control devices during each test run.

Failure to submit the rates and actual operating conditions in the test report may invalidate the test and fail to provide reasonable assurance of compliance.

[Rules 62-297.310(8), and 62-4.070(3), F.A.C.]

20. Hours of Operation - Unless otherwise noted, all emission units are allowed to operate continuously, i.e., 8760 hours per year.

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

21. At a minimum, all records and logs required by this permit shall be updated monthly.

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

22. Better Grade Fuel Oil

A better grade fuel oil is defined as a fuel oil with a higher ranking in the following list:

Better Grade (Top of list)

- new, No. 2 fuel oil, or No. 2 on-specification fuel oil
- new, No. 3 fuel oil, or No. 3 on-specification fuel oil
- new, No. 4 fuel oil, or No. 4 on-specification fuel oil
- new, No. 5 fuel oil, or No. 5 on-specification fuel oil
- new, No. 6 fuel oil, or No. 6 on-specification fuel oil

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

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

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

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

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

{Permitting Note: This condition implements the requirements of Rules 62-213.440(3)(a)2. & 3., F.A.C. (see Condition 51. of APPENDIX TV-4, TITLE V CONDITIONS).}

26. The permittee shall submit all compliance related notifications and reports required of this permit to the [Department's Southwest District office.

Department of Environmental Protection
Southwest District Office
3804 Coconut Palm Drive
Tampa, Florida 33619-8218
Telephone: 813/744-6100; Fax: 813/744-6458

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

United States Environmental Protection Agency
Region 4
Air, Pesticides & Toxics Management Division
Air and EPCRA Enforcement Branch
Air Enforcement Section
61 Forsyth Street
Atlanta, Georgia 30303-8960
Telephone: 404/562-9155; Fax: 404/562-9163

28. Certification by Responsible Official (RO). In addition to the professional engineering certification required for applications by Rule 62-4.050(3), F.A.C., any application form, report, compliance statement, compliance plan and compliance schedule submitted pursuant to Chapter 62-213, F.A.C., shall contain a certification signed by a responsible official that, based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete. Any responsible official who fails to submit any required information or who has submitted incorrect information shall, upon becoming aware of such failure or incorrect submittal, promptly submit such supplementary information or correct information.
[Rule 62-213.420(4), F.A.C.]

NOTES to PERMITTEE:

Table 1-1, Summary of Air Pollutant Standards and Terms, summarizes information for convenience purposes only. This table does not supersede any of the terms or conditions of this permit.

Table 2-1, Summary of Compliance Requirements, summarizes information for convenience purposes only. This table does not supersede any of the terms or conditions of this permit.

Based upon the hours per year and process rate limitations, and permitted fuel type restrictions in this permit, potential emissions (PTE) (in tons/year) from this facility are estimated (based upon AP-42 emission factors for natural gas and fuel oil combustion, and previous stack test results for PM, VOC and CO) at the following levels:

Pollutant	Facility PTE (Tons/year)
Particulate (PM)	67.0
Sulfur Dioxide (SO ₂)	21.4
Nitrogen Oxides (NO _x)	100.7
Carbon Monoxide (CO)	464.7
Volatile Organic Compounds (VOC)	670.6

Section III. Emissions Unit(s) and Conditions.**Subsection A. This section addresses the following emissions unit(s).****E.U. ID**

<u>No.</u>	<u>Brief Description</u>
-008	2000 HP Boiler

The 2000 HP Johnson steam boiler is fired with natural gas at a maximum fuel usage rate of 81,102 cu. ft./hour (corresponds to 84.35 MMBtu/hr at a natural gas heat content of 1040 Btu/cu. ft). The 2000 HP boiler is fired with natural gas, with a standby fuel used when natural gas is curtailed, of No. 4 fuel oil with a maximum sulfur content of 0.5 %, by weight. A 125 HP, natural gas-fired Johnson boiler is considered insignificant and is included in Appendix I-1.

{Permitting note(s): This emissions unit is regulated under Rule 62-296.406, F.A.C., Fossil Fuel Steam Generators with less than 250 Million Btu per Hour Heat Input, New and Existing Units; and Rule 62-212.400, F.A.C., Prevention of Significant Deterioration (PSD). This emissions unit is subject to Federal New Source Performance Standards Subpart Dc (Standards of Performance for Small Industrial-Commercial-Institutional Steam Generating Units). (See Specific Condition Nos. A.1, A.2, and A.8. through A.12.)}

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

Note: The following specific conditions do not apply to the insignificant boiler listed above, except as noted in condition A.1.a..

Essential Potential to Emit (PTE) Parameters**A.1. Capacity.**

a. The maximum total natural gas usage in all of the boilers (including insignificant boiler) shall not exceed 577.5 MMcf in any 12 consecutive month period.

b. Maximum total No. 4 oil usage in all of the boilers shall not exceed 237,600 gallons in any 12 consecutive month period.

[Rules 62-4.160(2) and 62-210.200(PTE), F.A.C.; and, 1050001-003-AC, which includes BACT determination]

A.2. Methods of Operation - (i.e., Fuels).

The permittee is authorized to burn only the following fuels:

a. Primary fuel: Natural gas.

b. Standby fuel, No. 4 fuel oil with a maximum sulfur content of 0.5% S, by weight, or better grade. Standby fuel, No. 4 fuel oil, may only be used during periods of natural gas supply curtailment.

[Rules 62-210.200(PTE), 62-4.160(2), and 62-213.440(1), F.A.C.; and, 1050001-003-AC, which includes BACT determination]

A.3. Purposely left blank.

Emission Limitations and Standards

A.4. Visible emissions shall not exceed 20% opacity, except for one two-minute period per hour during which opacity shall not exceed 40%.

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

Test Methods and Procedures

A.5. The boiler shall be tested for visible emissions on, or during the 180 day period prior to the expiration date of this permit. The permittee shall submit a statement of the fuel heat input rate, the identification of the boiler, boiler mode of operation statement and a description of the fuel in use as a part of the compliance test report. Failure to submit this information may invalidate the test and fail to provide reasonable assurance of compliance.

[Rules 62-297.310(7)(a)4 and 62-4.070(3), F.A.C.]

A.6. Compliance with the limitations of Condition A.4 shall be determined using DEP Method 9 contained in Chapter 62-297, F.A.C. Compliance testing of these boilers shall be accomplished during a period when it is cycling up to a normal high firing rate, or it is continuously operating at a high firing rate. The test observation period shall include the period during which the highest opacity emissions can reasonably be expected to occur. The visible emissions tests shall be conducted by a certified observer and be a minimum of 60 minutes in duration. The minimum requirements for stationary point source emission test procedures and reporting shall be in accordance with Chapter 62-297, F.A.C. and 40 CFR 60 Appendix A.

[Chapter 62-297, F.A.C.]

{Permitting Note: Since No. 4 fuel oil is a standby fuel only, is to be used only in the event of natural gas supply curtailment, and is limited to a total of approximately 442 hours per year (at full load) for all three boilers combined (or an average of 141 hours per boiler (at full load)), testing for visible emissions compliance while firing No. 4 fuel oil is not required.}

Recordkeeping and Reporting Requirements

A.7. In order to document compliance with the fuel usage limitations of Condition A.1, the permittee shall maintain monthly records of the total quantity of natural gas (MMcf/month) and No. 4 fuel oil (gallons/month) used in the boilers for that month, and for the most recent 12 consecutive month period. These records shall be recorded in a permanent form suitable for inspection by the Department upon request. The monthly summary entries shall be made in the log no later than 2 weeks after the end of each month.

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

A.8. Pursuant to 40 CFR 60.48c NSPS Subpart Dc (Standards of Performance for Small Industrial-Commercial-Institutional Steam Generating Units), the permittee is required to maintain daily records of the amount of natural gas combusted by the 2,000 HP boiler (*E.U. No. 008*). Since none of the emission limits in Subpart Dc are applicable to this boiler when firing natural gas (the primary fuel for this boiler), it has been determined by the Department that keeping records for natural gas usage on a monthly rather than daily basis is adequate for the purpose of verifying the periods that only natural gas is burned in this unit.

[Rule 62-296.810, F.A.C.; and, 40 CFR 60.48c(g) and (i)]

A.9. The permittee shall maintain a (daily) record of the quantity of fuel oil used in the 2,000 HP boiler (*E.U. No. 008*) for each day of operation.

[Rule 62-204.800(7)(b)4., F.A.C.; and, 40 CFR 60.48c(g) and 40 CFR 60.48c(i)]

A.10. Ongoing compliance with the fuel oil sulfur content requirements of Condition A.2 shall be demonstrated through fuel supplier documentation of fuel oil sulfur content for each shipment of oil delivered for use in these boilers. Fuel sampling and analysis shall be in accordance with 40 CFR 60 Appendix A, Method 19, Section 5.2.2 (Liquid Fossil Fuel). The records shall include a "fuel supplier certification" (40 CFR 60.48c(f)) consisting of the name of the oil supplier and a statement from the oil supplier that the oil complies with the specifications for fuel oil number 4, as defined by the American Society for Testing and Materials in ASTM D396-78, "*Standard Specification for Fuel Oils*".

[Rules 62-4.070(3) and 62-204.800, F.A.C.; and, 40 CFR 60.46c(e), 60.48c(e)(11), 60.48c(f) and 60.48c(i)]

A.11. The permittee shall submit the following written notifications for the 2,000 HP boiler (E.U. No. 008) to the Air Compliance Section of the Southwest District Office of the Department:

a. A notification of the date construction (or reconstruction as defined under 60.15) of the boiler is commenced, postmarked no later than 30 days after such date. This requirement shall not apply in the case of mass-produced facilities which are purchased in completed form.

b. A notification of the anticipated date of initial startup of the boiler, postmarked not more than 60 days nor less than 30 days prior to such date.

c. A notification of the actual date of initial startup of the boiler, postmarked within 15 days after such date.

d. A notification of any physical or operational change to an existing facility which may increase the emission rate of any air pollutant to which a standard applies, unless that change is specifically exempted under an applicable subpart or in 60.14 (e). This notice shall be postmarked 60 days or as soon as practicable before the change is commenced and shall include information describing the precise nature of the change, present and proposed emission control systems, productive capacity of the facility before and after the change, and the expected completion date of the change. The Administrator may request additional relevant information subsequent to this notice.

[Rule 62-204.800(7)(b)4., F.A.C.; and, 40 CFR 60.7(a) and 40 CFR 60.48c(a)]

A.12. The permittee shall submit quarterly reports of the fuel oil supplier sulfur content certification records required by Condition A.10 for any calendar quarter during which fuel oil is fired in the 2,000 HP boiler (E.U. No. 008). In addition to the above, the quarterly report shall include a certified statement signed by the owner or operator of the facility that the records of the fuel supplier certifications submitted represent all of the fuel combusted during the quarter. The quarterly reports shall be submitted to the Air Compliance Section of the Southwest District Office of the Department within 30 days of the end of the quarter being reported.

[Rule 62-204.800(7)(b)4., F.A.C.; and, 40 CFR 60.48c(e)(11)]

Section III. Emissions Unit(s) and Conditions.**Subsection B. This section addresses the following emissions unit(s).****E.U. ID**

<u>No.</u>	<u>Brief Description</u>
-006	Citrus Peel Dryer No. 2
-007	Citrus Peel Dryer No. 3

Two (2) 60,000 pound/hour (water removal rate) pressed citrus peel dryers (Citrus Peel Dryer Nos. 2 and 3) have a maximum pressed peel input rate of 50.0 tons/hour of pressed peel (including water) each. The peel dryers are each fired with natural gas at a maximum fuel usage rate of 90,000 cu ft/hour (corresponds to 93.6 MMBtu/hr at a natural gas heat content of 1040 Btu/cu ft). Standby fuel, used when natural gas supply is curtailed, is No. 4 fuel oil, with a maximum sulfur content of 0.5%, at maximum fuel usage rate of 620 gallons/hour. The exhaust gas from the peel dryers are sent to 100,000 pound/hour (water removal capacity) waste heat evaporators which function as indirect heat exchangers to drive moisture from the press liquor (from the vertical peel press), and also act as particulate scrubber control devices (and to a limited extent an SO₂ control device).

{Permitting note(s): These emissions units are regulated under Rule 62-212.400, F.A.C., Prevention of Significant Deterioration (PSD); and Rule 62-296.320, F.A.C., General Pollutant Emission Limiting Standards.}

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

Essential Potential to Emit (PTE) Parameters**B.1. Capacity.**

- a. The total combined input of pressed peel cake through both citrus peel dryers shall not exceed 285,700 tons for any 12 consecutive month period (daily average basis);
 - b. The maximum total natural gas usage in both of the peel dryers shall not exceed 692.3 MMcf in any 12 consecutive month period (monthly average basis);
 - c. The maximum process input rate into each of the peel dryers shall not exceed 50.0 tons/hour of total input including water (daily average basis);
 - d. Maximum total No. 4 oil usage in both of the peel dryers shall not exceed 297,600 gallons in any 12 consecutive month period (monthly average basis).
- [Rules 62-4.160(2) and 62-210.200(PTE), F.A.C.; and, 1050001-003-AC]

B.2. Methods of Operation - (i.e., Fuels).

The permittee is authorized to burn only the following fuels in each of the peel dryers:

- a. Primary fuel: Natural gas.
- b. Standby fuel, No. 4 fuel oil with a maximum sulfur content of 0.5% S by weight or better grade (see Condition No. 22). Standby fuel, No. 4 fuel oil, may only be used during periods of natural gas supply curtailment.

[Rules 62-210.200(PTE), 62-4.160(2), and 62-213.440(1), F.A.C.; and, 1050001-003-AC]

B.3. Purposefully left blank.

Emission Limitations and Standards

B.4. Particulate matter emissions from the peel dryers shall not exceed the following:

a. a maximum total emission rate of 30.7 pounds per hour from both dryers together, or the maximum allowable rate as set by the Process Weight Table equations contained within Rule 62-296.320(4)(a)2., F.A.C., whichever is lower; (*Note: For lower process rates, i.e. those below 36.0 tons per hour, the process weight rule equation limitation will be the more stringent limitation.*)

b. a total of 61.4 tons per any 12 consecutive month period from both peel dryers. (*PSD Note: The above limitation is required to insure that this modification does not exceed the PSD significant increase level for this pollutant and thereby trigger PSD review under Rule 62-212.400, F.A.C.*) [1050001-003-AC; and, Rules 62-212.400 and 62-296.320(4)(a)2., F.A.C.]

{*PSD Note: VOC emissions in excess of 603.6 tons per any 12 consecutive month period from both peel dryers would exceed the PSD significant increase level for this pollutant and thereby trigger PSD review under Rule 62-212.400, F.A.C. [1050001-003-AC]*}

B.5. Visible emissions from the peel dryers/waste heat evaporators (WHE) exhaust stacks shall be less than 20% opacity. [Rule 62-296.320(4)(b)1., F.A.C.]

B.6. The permittee shall not circumvent any air pollution control device or allow the emissions of air pollutants without the applicable air pollution control device (i.e. waste heat evaporator (WHE) which is process equipment which also acts as a control device) operating properly (*see Condition B.10.*). [Rule 62-210.650, F.A.C.]

Test Methods and Procedures

B.7. The exhaust stack for each of the two peel dryers shall be tested for particulate matter (PM), and visible emissions (VE) within 60 days of initial startup, and annually thereafter during the citrus processing season. Emission testing shall be conducted while operating the dryer within 90 - 100% of the maximum process input rate of 50 tons/hr for each dryer, when practical. If it is not practical to test at the maximum process input rate, then the source may be tested at a lower rate. A compliance test submitted at a rate less than 90% of the maximum permitted rate shown above will automatically constitute an amended permit at 110% of the test rate. 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. (Clarification: When a unit is limited to an operating rate of 110% of the test rate, the permittee may provide a 15-day notice of its intent to conduct an additional test. The notice may specify a 15-day period during which the unit will be allowed to operate at a higher rate for the purpose of additional testing. For example, the first five days of the 15-day period may be used to bring the unit up to a higher production level; the next five days may be used for the testing itself; and the remainder of the period may be used to return the unit to the permitted capacity that existed before the most recent test. Upon written approval by the department of the most recent test results, the unit may then operate at a 110% of the most recent test load, not to exceed the maximum permitted rate.) The test results shall be submitted to the Air Compliance Section of this office within 45 days of testing. Acceptance of the test by this office will automatically constitute an amended permit at the higher tested rate plus 10%, but in no case shall the maximum permitted rate shown above be exceeded. Failure to submit the following records with the test report may invalidate the test and fail to provide reasonable assurance of compliance:

- The pressed wet peel input rate to the dryer during the test.
- The natural gas or fuel oil usage rate to the dryer during the test.
- If applicable, documentation of the fuel oil's type and sulfur content that was used during the test.
- The WHE's scrubber operating parameters shall be recorded during the particulate emission compliance test. These WHE operating parameters could include water spray rate (gallons/minute), water feed pump/spray operating pressure, pressure drop across the WHE

scrubber section or other parameters that are used to control and monitor the operation of the WHE. (Note: The parameter(s) and their operating levels during the compliance test will be used to provide reasonable assurance on an ongoing basis that the unit is being operated normally and in compliance with the standards - See Condition B.17.) At least one reading shall be taken and recorded during each run of the particulate emission compliance test and the readings shall be included with any peel dryer test report.

[Rules 62-297.310(2) and 62-4.070(3), F.A.C.]

B.8. Compliance with the emission limitations of Condition B.4 shall be determined using EPA Method 5 (*Particulate Matter*) contained in 40 CFR 60, Appendix A, and adopted by reference in Rule 62-204.800, F.A.C. The minimum requirements for stationary point source emission test procedures and reporting shall be in accordance with Chapter 62-297, F.A.C.

[Rule 62-297.401, F.A.C.]

B.9. Compliance with the visible emission limitation of Condition B.5. shall be determined using EPA Method 9 contained in 40 CFR 60, Appendix A, and adopted by reference in Rule 62-204.800, F.A.C. The visible emissions tests shall be conducted by a certified observer and be a minimum of thirty (30) minutes in duration. The test observation period shall be during one of the runs of the particulate test and shall include the period during which the highest opacity emissions can reasonably be expected to occur.

[Rule 62-297.310(4)(a)(2)]

B.10. Waste heat evaporator (WHE) scrubber operating parameters shall be recorded during any compliance stack test. These WHE operating parameters could include water spray rate (gallons/minute), water feed pump/spray operating pressure, pressure drop across the WHE scrubber section or other parameters that are used to control and monitor the operation of the WHE. (*Note: The parameter(s) and their operating levels during the compliance test will be used to provide reasonable assurance on an ongoing basis that the unit is being operated normally and in compliance with the standards - See Condition B.15. and B.16.*) At least one reading shall be taken and recorded during each run of a compliance stack test, and the readings shall be included with any peel dryer compliance test report.

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

B.11. Compliance with the annual (tons per 12 consecutive month period) PM limitation of Conditions B.4. shall be determined (calculated) based upon the results of the annual PM compliance stack test (lbs PM/ton of material input) and the monthly process input rate (tons/month) records.

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

Monitoring, Recordkeeping and Reporting Requirements

B.12. In order to document compliance with the process rate limitations of Condition B.1. and B.3, the permittee shall maintain a daily record of operating hours and material input rate (tons/day) for each peel dryer. The records shall also include a monthly total material input rate (tons/month) for each peel dryer for each calendar month, and for the most recent 12 consecutive month period.

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

B.13. In order to document compliance with the fuel usage limitations of Condition B.1., the permittee shall maintain monthly records of the total quantity of natural gas (MMcf/month) and No. 4 fuel oil (gallons/month) used in the peel dryers for that month, and for the most recent 12 consecutive month period.

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

B.14. The permittee shall keep a daily log of the waste heat evaporator (WHE) scrubber operating parameters for each of the peel dryer/WHE's. These WHE operating parameters could include water spray rate (gallons/minute), water feed pump/spray operating pressure, pressure drop across the WHE scrubber section or other parameters that are used to control and monitor the operation of the WHE. A copy of the WHE operating log for a recent two week period shall be submitted to the Department, along with any peel dryer compliance test report (*see Condition B.10.*)
[Rule 62-4.070(3), F.A.C.]

B.15. The WHE operating parameter(s) (*see Condition B.10.*) shall be maintained at a minimum of 90% of the flow rate/pressure measured and recorded during the most recent PM stack test. The WHE parameter(s) to be used (i.e. spray rate, water pressure, and/or pressure drop - see Condition B.14. above) and recorded will be established by the facility during the initial compliance test.
[Rules 62-4.070(3) and 62-210.650, F.A.C.]

B.16. Peel oil content shall be determined and records shall be maintained for each type or variety of fruit, with a determination and record entry made at least once a month at a minimum. These records shall be used to make adjustments for peel oil content variability in calculating annual VOC emissions for the annual operating report (*see Specific Condition No. 18.*)
[Rule 62-213.440(1)(b), F.A.C.]

B.17. Waste Heat Evaporator (WHE) operating parameters shall be maintained at a minimum of 90% of the values measured and recorded during the most recent particulate matter emission compliance test. WHE parameters shall be recorded at least once during each 8-hour shift.
[Rules 62-210.650 and 62-213.440(1), F.A.C.]

Section III. Emissions Unit(s) and Conditions.

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

E.U. ID

<u>No.</u>	<u>Brief Description</u>
-009	Pellet Cooler No. 2
-010	Pellet Cooler No. 3

The two Citrus Peel Coolers Nos. 2 and 3 each have a design process output rate of 24.0 tons per hour of dried citrus. Dried citrus peel from the feed mill dryer is sent to the pellet mill where molasses is added and it is cooled and formed into pellets for use as an animal feed supplement. Particulate matter emissions from the peel coolers are controlled by cyclone dust collectors (8,000 acfm each).

{Permitting note(s): These emissions units are regulated under Rule 62-296.320, F.A.C., General Pollutant Emission Limiting Standards.}

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

Essential Potential to Emit (PTE) Parameters

C.1. Capacity. The maximum pellet cooler process output (production) rate shall not exceed 24.0 tons per hour of dried peel material for each of the two coolers
[Rules 62-4.160(2) and 62-210.200(PTE), F.A.C.; and, 1050001-003-AC]

C.2. Purposefully left blank.

Emission Limitations and Standards

C.3. Particulate matter emissions from the pellet coolers shall not exceed the following:

a. a maximum total of 2.26 pounds per hour from both of the two pellet coolers together; (*Process Weight Rule Note: The above limitation is more stringent than and therefore satisfies the requirements of Rule 62-296.320(4)(a), F.A.C. - General Particulate Emission Limiting Standards, Process Weight Table.*)

b. a total of 4.5 tons per any 12 consecutive month period from both pellet coolers. (*PSD Note: The above limitation is required to insure that this modification does not exceed the PSD significant increase level for this pollutant and thereby trigger PSD review under Rule 62-212.400, F.A.C.*)
[1050001-003-AC; and, Rule 62-212.400, F.A.C.]

{PSD Note: VOC emissions in excess of 67.0 tons per any 12 consecutive month period from both pellet coolers (or 33.5 lbs/hr) would exceed the PSD significant increase level for this pollutant and thereby trigger PSD review under Rule 62-212.400, F.A.C. [1050001-003-AC]}

C.4. Visible emissions from the pellet cooler exhaust stacks shall be less than 20% opacity.
[Rule 62-296.320(4)(b)1., F.A.C.]

C.5. Pellet Cooler Nos. 1 and 2 shall operate in conjunction with the operation of either of the peel dryers.
[1050001-003-AC]

C.6. The permittee shall not circumvent any air pollution control device or allow the emissions of air pollutants without the applicable air pollution control device (i.e. cyclone dust collectors) operating properly.

[Rule 62-210.650, F.A.C.]

Test Methods and Procedures

C.7. The exhaust stack for each of the two pellet coolers shall be tested for visible emissions within 60 days of initial startup, and annually thereafter along with the testing of the peel dryers. The exhaust stack for each of the two pellet coolers shall be tested for particulate matter 1) within 60 days of initial startup and 2) within 60 days prior to the renewal date (shown on page 1) of this permit. The actual process output rate (or production rate) during the test shall be included in each test report. In addition to being expressed in terms of pounds/hour, stack test results shall also be expressed in terms of pounds/ton of material input based on the process input rate during the testing period (*see Condition C.10.*). Failure to include the actual process output rate or production rate, or operating under conditions that are not representative of normal operation, may invalidate the test and fail to provide reasonable assurance of compliance.

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

C.8. Compliance with the particulate matter emission limitation of Condition C.3. shall be determined using EPA Method 5 (*PM*) contained in 40 CFR 60, Appendix A, and adopted by reference in Rule 62-204.800, F.A.C. The minimum requirements for stationary point source emission test procedures and reporting shall be in accordance with Chapter 62-297, F.A.C. and 40 CFR 60, Appendix A.

[Rule 62-297.401, F.A.C.]

C.9. Compliance with the visible emission limitation of Condition C.4 shall be determined using EPA Method 9 contained in 40 CFR 60, Appendix A, and adopted by reference in Rule 62-204.800, F.A.C. The minimum requirements for stationary point source emission test procedures and reporting shall be in accordance with Chapter 62-297, F.A.C. and 40 CFR 60, Appendix A.

[Chapter 62-297, F.A.C.]

C.10. Compliance with the annual (tons per 12 consecutive month period) PM limitation of Condition C.3.b. shall be determined (calculated) based upon the results of the annual PM compliance stack test (lbs PM/ton of material output (production)) and the monthly process output (production) rate (tons/month) records.

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

Recordkeeping and Reporting Requirements

C.11. In order to document compliance with Condition C.1., the permittee shall maintain daily records of the following for each of the two dried pellet coolers:

- a. pellet cooler operating hours (hours/day);
- b. the estimated weight (tons/day) of dried peel material, by type (pulp or pellets) at the pellet cooler discharge (output/production);

These records shall be recorded in a permanent form suitable for inspection by the Department upon request. The monthly summary entries shall be made in the log no later than 2 weeks after the end of each month.

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

Section III. Emissions Unit(s) and Conditions.**Subsection D. This section addresses the following emissions unit(s).**

EMISSIONS UNIT NO.	EMISSIONS UNIT DESCRIPTION
012	New 1,000 Horsepower Boiler

[Note: This emissions unit is a process steam boiler that is installed to serve as a source of steam to meet citrus processing needs. This boiler is limited to one of a physical capacity of 38.5 MMBtu/hour or less, that fires natural gas and low sulfur No. 4 fuel oil (0.5% sulfur by weight). This emissions unit is subject to the requirements of the state rules as indicated in this permit. This emissions unit is subject to a determination of Best Available Control Technology pursuant to Rule 62-296.406, F.A.C. The fuel authorized by this permit is consistent with that BACT determination. This emissions unit is subject to regulation under the New Source Performance Standards of 40 CFR 60, Subpart Dc, Standards of Performance for Small Industrial-Commercial-Institutional Steam Generating Units.]

Operational Requirements

D.1. Hours of Operation: This emissions unit may operate up to 8,760 hours/year.
[Rules 62-4.070(3) and 62-210.200, F.A.C.; and, limitation on potential to emit]

D.2. Methods of Operation - (i.e., Fuels). The permittee is authorized to burn only the following fuels in the boilers:

- a. Primary fuel: Natural gas.
- b. Standby fuel, No. 4 fuel oil with a maximum sulfur content of 0.5% S by weight or better grade (see Condition 22). Standby fuel, No. 4 fuel oil, may only be used during periods of natural gas supply curtailment.

[Rules 62-210.200(PTE), 62-4.160(2), and 62-213.440(1), F.A.C.; and, 1050001-004-AC]

D.3. Capacity.

- a. The maximum total natural gas usage in all of the boilers (including insignificant boiler) shall not exceed 577.5 MMcf in any 12 consecutive month period.
- b. Maximum total No. 4 oil usage in all of the boilers shall not exceed 237,600 gallons in any 12 consecutive month period.

[Rules 62-4.070(3), 62-210.200 and 62-296.406, F.A.C.; and, 1050001-004-AC]

[Note: This condition limits distillate fuel oil consumption to the equivalent of 240 hours per year.]

D.4. Visible Emissions Limited: Visible emissions from this emissions unit shall not exceed 20 percent opacity except for one two-minute period per hour during which opacity shall not exceed 40 percent.
[Rule 62-296.406(1), F.A.C.]

COMPLIANCE MONITORING AND TESTING REQUIREMENTS

D.5. Fuel Sulfur Content Tests: The owner or operator shall determine the sulfur content of each delivery of fuel oil received for these emissions units using ASTM D4057-88, Standard Practice for Manual Sampling of Petroleum and Petroleum Products, and one of the following test methods for sulfur in petroleum products: ASTM D129-91, ASTM D1552-90, ASTM D2622-94, or ASTM D4294-90. A more recent version of these methods may be used. The owner or operator may comply with this

requirement by receiving records from the fuel supplier that indicate the sulfur content of the distillate fuel oil delivered complies with the sulfur limit of specific condition 3 of this section.

[1050001-004-AC; and, Rule 62-297.440, F.A.C.]

D.6. Visible Emission Tests Required: The owner or operator shall demonstrate compliance with the visible emissions limit for this emissions unit upon initial installation and annually using EPA Method 9, as described in 40 CFR 60, Appendix A.

[1050001-004-AC; and, Rule 62-297.310, F.A.C.]

REPORTING AND RECORD KEEPING REQUIREMENTS

D.7. Fuel Sulfur Content Records: The owner or operator shall maintain records of sulfur content of each delivery of distillate fuel oil received for these emissions units, made pursuant to the requirements of specific condition 5 of this section.

[1050001-004-AC]

D.8. Distillate Fuel Oil Consumption Records: The owner or operator shall make and maintain monthly records of natural gas and distillate fuel oil consumption for this emissions unit. From the monthly records of consumption of all permitted fuels, the owner or operator shall make records of the consecutive 12-month fuel consumption to demonstrate compliance with the fuel consumption limits of specific condition 3 of this section. All of these records shall be completed within ten days of the end of each month.

[1050001-004-AC]

D.9. Pursuant to 40 CFR 60.48c, Standards of Performance for Small Industrial-Commercial-Institutional Steam Generating Units, the permittee is required to maintain daily records of the amount of natural gas combusted. Since none of the emission limits in 40 CFR 60, Subpart Dc are applicable to this boiler when firing natural gas (the primary fuel for this boiler), it has been determined by the Department that keeping records for natural gas usage on a monthly rather than daily basis is adequate for the purpose of verifying the periods that only natural gas is burned in this unit.

[Rule 62-296.810, F.A.C.; and, 40 CFR 60.48c(g) and (i)]

D.10. The permittee shall maintain a (daily) record of the quantity of fuel oil used for each day of operation.

[Rule 62-204.800(7)(b)4., F.A.C.; and, 40 CFR 60.48c(g) and 40 CFR 60.48c(i)]

D.11. The permittee shall submit the following written notifications to the Air Compliance Section of the Southwest District Office of the Department:

A notification of any physical or operational change to an existing facility which may increase the emission rate of any air pollutant to which a standard applies, unless that change is specifically exempted under an applicable subpart or in 60.14(e). This notice shall be postmarked 60 days or as soon as practicable before the change is commenced and shall include information describing the precise nature of the change, present and proposed emission control systems, productive capacity of the facility before and after the change, and the expected completion date of the change. The Administrator may request additional relevant information subsequent to this notice.

[Rule 62-204.800(7)(b)4., F.A.C.; and, 40 CFR 60.7(a) and 40 CFR 60.48c(a)]

D.12. The permittee shall submit quarterly reports of the fuel oil supplier sulfur content certification records as required for any calendar quarter during which fuel oil is fired. In addition to the above, the quarterly report shall include a certified statement signed by the owner or operator of the facility that the records of the fuel supplier certifications submitted represent all of the fuel combusted during the quarter. The quarterly reports shall be submitted to the Air Compliance Section of the Southwest District Office of the Department within 30 days of the end of the quarter being reported.

[Rule 62-204.800(7)(b)4., F.A.C.; and, 40 CFR 60.48c(e)(11)]

Section III. Emissions Unit(s) and Conditions.**Subsection E. This section addresses the following emissions unit(s).**

EMISSIONS UNIT NO.	EMISSIONS UNIT DESCRIPTION
013	2,000 Horsepower Boiler #1A

[Note: This emissions unit is a process steam boiler that is installed to serve as a source of steam to meet citrus processing needs. This boiler is limited to one of a physical capacity of 84.35 MMBtu/hour or less, that fires natural gas and low sulfur No. 4 fuel oil (0.5% sulfur by weight). This emissions unit is subject to the requirements of the state rules as indicated in this permit. This emissions unit is subject to a determination of Best Available Control Technology pursuant to Rule 62-296.406, F.A.C. The fuel authorized by this permit is consistent with that BACT determination. This emissions unit is subject to regulation under the New Source Performance Standards of 40 CFR 60, Subpart Dc, Standards of Performance for Small Industrial-Commercial-Institutional Steam Generating Units.]

Operational Requirements

E.1. Hours of Operation: This emissions unit may operate up to 8,760 hours/year.
[Rules 62-4.070(3) and 62-210.200, F.A.C.; and, limitation on potential to emit]

E.2. Methods of Operation - (i.e., Fuels). The permittee is authorized to burn only the following fuels in the boilers:

- a. Primary fuel: Natural gas.
- b. Standby fuel, No. 4 fuel oil with a maximum sulfur content of 0.5% S by weight or better grade (see Condition 22). Standby fuel, No. 4 fuel oil, may only be used during periods of natural gas supply curtailment.

[Rules 62-210.200(PTE), 62-4.160(2), and 62-213.440(1), F.A.C.; and, 1050001-007-AC]

E.3. Capacity.

- a. The maximum total natural gas usage in all of the boilers (including insignificant boiler) shall not exceed 577.5 MMcf in any 12 consecutive month period.
- b. Maximum total No. 4 oil usage in all of the boilers shall not exceed 237,600 gallons in any 12 consecutive month period.

[Rules 62-4.070(3), 62-210.200 and 62-296.406, F.A.C.; and, 1050001-007-AC]

[Note: This condition limits distillate fuel oil consumption to the equivalent of 240 hours per year.]

E.4. Visible Emissions Limited: Visible emissions from this emissions unit shall not exceed 20 percent opacity except for one two-minute period per hour during which opacity shall not exceed 40 percent.

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

COMPLIANCE MONITORING AND TESTING REQUIREMENTS

E.5. Fuel Sulfur Content Tests: The owner or operator shall determine the sulfur content of each delivery of fuel oil received for these emissions units using ASTM D4057-88, Standard Practice for Manual Sampling of Petroleum and Petroleum Products, and one of the following test methods for sulfur in petroleum products: ASTM D129-91, ASTM D1552-90, ASTM D2622-94, or ASTM D4294-90. A more recent version of these methods may be used. The owner or operator may comply with this

requirement by receiving records from the fuel supplier that indicate the sulfur content of the distillate fuel oil delivered complies with the sulfur limit of specific condition 3 of this section.

[1050001-007-AC; and, Rule 62-297.440, F.A.C.]

E.6. Visible Emission Tests Required: The owner or operator shall demonstrate compliance with the visible emissions limit for this emissions unit upon initial installation and annually using EPA Method 9, as described in 40 CFR 60, Appendix A.

[1050001-007-AC; and, Rule 62-297.310, F.A.C.]

REPORTING AND RECORD KEEPING REQUIREMENTS

E.7. Fuel Sulfur Content Records: The owner or operator shall maintain records of sulfur content of each delivery of distillate fuel oil received for these emissions units, made pursuant to the requirements of specific condition 5 of this section.

[1050001-007-AC]

E.8. Distillate Fuel Oil Consumption Records: The owner or operator shall make and maintain monthly records of natural gas and distillate fuel oil consumption for this emissions unit. From the monthly records of consumption of all permitted fuels, the owner or operator shall make records of the consecutive 12-month fuel consumption to demonstrate compliance with the fuel consumption limits of specific condition 3 of this section. All of these records shall be completed within ten days of the end of each month.

[1050001-007-AC]

E.9. Pursuant to 40 CFR 60.48c, Standards of Performance for Small Industrial-Commercial-Institutional Steam Generating Units, the permittee is required to maintain daily records of the amount of natural gas combusted. Since none of the emission limits in 40 CFR 60, Subpart Dc are applicable to this boiler when firing natural gas (the primary fuel for this boiler), it has been determined by the Department that keeping records for natural gas usage on a monthly rather than daily basis is adequate for the purpose of verifying the periods that only natural gas is burned in this unit.

[Rule 62-296.810, F.A.C.; and, 40 CFR 60.48c(g) and (i)]

E.10. The permittee shall maintain a (daily) record of the quantity of fuel oil used for each day of operation.

[Rule 62-204.800(7)(b)4., F.A.C.; and, 40 CFR 60.48c(g) and 40 CFR 60.48c(i)]

E.11. The permittee shall submit the following written notifications to the Air Compliance Section of the Southwest District Office of the Department:

A notification of any physical or operational change to an existing facility which may increase the emission rate of any air pollutant to which a standard applies, unless that change is specifically exempted under an applicable subpart or in 60.14(e). This notice shall be postmarked 60 days or as soon as practicable before the change is commenced and shall include information describing the precise nature of the change, present and proposed emission control systems, productive capacity of the facility before and after the change, and the expected completion date of the change. The Administrator may request additional relevant information subsequent to this notice.

[Rule 62-204.800(7)(b)4., F.A.C.; and, 40 CFR 60.7(a) and 40 CFR 60.48c(a)]

E.12. The permittee shall submit quarterly reports of the fuel oil supplier sulfur content certification records as required for any calendar quarter during which fuel oil is fired. In addition to the above, the quarterly report shall include a certified statement signed by the owner or operator of the facility that the records of the fuel supplier certifications submitted represent all of the fuel combusted during the quarter. The quarterly reports shall be submitted to the Air Compliance Section of the Southwest District Office of the Department within 30 days of the end of the quarter being reported.
[Rule 62-204.800(7)(b)4., F.A.C.; and, 40 CFR 60.48c(e)(11)]

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

Citrosuco North America, Inc.

DRAFT Permit No.: 1050001-008-AV

Facility ID No.: 1050001

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

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

EU No. Brief Description of Emissions Units and/or Activities

- 011 Facility Wide Fugitive Emissions
- Building Ventilation (Does not include ventilation for human comfort that does not exhaust air pollutants)
 - Diograph Printers (Prints on Boxes)
 - Fullers Hot Melt Glue Machines
 - National Hot Melt Glue
 - Air Stripper (EDI Groundwater Remediation)
 - Juice Extractor (Citrus Vapor)
 - Lime Storage Silo
 - Clean-up Solvent (WashV-120)
 - Econo Wash (50% Naptha, 50% Stoddard Solvent)
 - Fuller Adhesive (HM 1610) Liquid (10% Mineral Oil)
 - Bulk storage silos for sand, soda ash, limestone, salt cake/aplite and glass cullet; Lime
 - Mixed batch silos
 - Routine maintenance/repair activities: painting/coating applications
 - Solvent/Chemical/Raw Material Storage
 - Biogas distribution
 - Used oil tanks
 - Ethylene Glycol
 - Mineral spirits
 - Oil/Water separator

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

Citrosuco North America, Inc

DRAFT Permit No.: 1050001-008-AV

Facility ID No.: 1050001

The facilities, emissions units, or pollutant-emitting activities listed in Rule 62-210.300(3)(a), F.A.C., Categorical Exemptions, or that meet the criteria specified in Rule 62-210.300(3)(b)1., F.A.C., Generic Emissions Unit Exemption, are exempt from the permitting requirements of Chapters 62-210, 62-212 and 62-4, F.A.C.; provided, however, that exempt emissions units shall be subject to any applicable emission limiting standards and the emissions from exempt emissions units or activities shall be considered in determining the potential emissions of the facility containing such emissions units. Emissions units and pollutant-emitting activities exempt from permitting under Rules 62-210.300(3)(a) and (b)1., F.A.C., shall not be exempt from the permitting requirements of Chapter 62-213, F.A.C., if they are contained within a Title V source; however, such emissions units and activities shall be considered insignificant for Title V purposes provided they also meet the criteria of Rule 62-213.430(6)(b), F.A.C. No emissions unit shall be entitled to an exemption from permitting under Rules 62-210.300(3)(a) and (b)1., F.A.C., if its emissions, in combination with the emissions of other units and activities at the facility, would cause the facility to emit or have the potential to emit any pollutant in such amount as to make the facility a Title V source.

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

Brief Description of Emissions Units and/or Activities

1. Fruit unloading storage
2. Juice extraction
3. Lime handling (unloading, storage, mixing with wet peels)
4. Dried pellet handling (storage and loadout, etc.)
5. Aboveground storage tanks
6. Emergency generators
7. Maintenance Shop
8. Miscellaneous painting activities
9. Chlorine cylinders used to treat potable water
10. Peel storage
11. Cooling towers
12. Wastewater treatment/disposal
13. Heat Seal Machine (Electric)
14. 100 H.P. Gasoline Powered Pump (Fire Protection)
15. Welding (Mig & Acetylene)
16. Air Compressor
17. Rotary Saw
18. Screw Compressor for Ammonia Cooling System - cold storage refrigeration equipment
19. Blasting Cabinet (Grit Blasting - enclosed)
20. Soy Bean Oil Base Ink
21. Emergency Diesel Generator

22. Calcium chloride solutions
23. Corn syrup equipment
24. Process, packaging, QA, QC, research and environmental labs
25. Pesticide/Herbicide/Fungicide application
26. Steam cleaning
27. Indoor Fugitives
28. Electric Vehicles
29. Transformers, switchgear, etc.
30. Vacuum pumps
31. Refrigeration equipment
32. Asbestos removal
33. Pressure cleaning with water & soap
34. Non hazardous waste accumulation/consolidation of solids
35. Fruit processing
36. Clean-up of process and packaging
37. Oil misters
38. Hydraulic equipment
39. Calibration gases for CEM equipment
40. Small portable equipment (small internal combustion engines)
41. Maintenance equipment
42. Mobile equipment (vehicles on property)
43. Steam systems
44. Water baths
45. 125 HP boiler
46. Maintenance Shop Parts Washer (Safety Kleen, using less than 525 gals/yr)
47. Electric Heaters to Shrink Plastic Sheet
48. Water sample ports
49. Safety devices (Pressure relief vents)
50. Electrically heated equipment used for heat treating, tracing, drying, case hardening, surface conditioning, etc.
51. Natural gas distribution

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

Citrosuco North America, Inc.

DRAFT Permit No.: 1050001-008-AV

Facility ID No.: 1050001

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

E.U. ID No. Brief Description

- 008 2000 HP Boiler No. 3
- 006 Citrus Peel Dryer No. 2
- 007 Citrus Peel Dryer No. 3

E.U. ID No.	Pollutant Name	Fuel(s)	Hours/Yr	Allowable Emissions Standard(s)	lbs./hour	TPY	Equivalent Emissions lbs./hour	TPY	Regulatory Citation(s)	See Permit Condition(s)
-008	VE	Nat. gas, No. 4 Fuel oil (standby)	N/A	20% opacity, except one two min. period/hour of 40% opacity	N/A	N/A	N/A	N/A	62-296.406(1), F.A.C.	III. A.4.
	SO ₂	No.4 oil	8,760	0.5% Sulfur by weight			40.4	4.53	62-213.440(1), F.A.C. 1050001-003-AC	III. A.2.
-006, 007	PM	Nat. gas, No. 4 oil (standby)	8,760	30.7 lbs/hr and process weight table, 61.4 tons per 12 consecutive month period	30.7	61.4	30.7	61.4	62-296.320(4), F.A.C. 1050001-003-AC, 62-212.400, F.A.C.	III. B.4.
	VE	fuel oil	N/A	20% opacity	N/A	N/A	N/A	N/A	62-296.320(4)(b), F.A.C.	III. B.5.

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

N/A: Not Applicable EBA: Established By Applicant

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

Citrosuco North America, Inc.

DRAFT Permit No.: 1050001-008-AV

Facility ID No.: 1050001

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

E.U. ID No. Brief Description

-009 Pellet Cooler No. 2

-010 Pellet Cooler No. 3

E.U. ID No.	Pollutant Name	Fuel(s)	Hours/Yr	Allowable Emissions			Equivalent Emissions*		Regulatory Citation(s)	See Permit Condition(s)
				Standard(s)	lbs./hour	TPY	lbs./hour	TPY		
-009, 010	PM		8,760	2.26 lbs/hr and process weight table, 4.5 tons per any 12 consecutive month period	2.26	4.5	2.26	4.5	62-212.400, F.A.C. , 1050001-003-AC	III. C.3.
	VE		N/A	20% opacity	N/A	N/A	N/A	N/A	62-296.320(4)(b)1., F.A.C.	III. C.4.

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

N/A: Not Applicable EBA: Established By Applicant

Table 1-1, S

Citrosuco Nc

Standards and Terms

DRAFT Permit No.: 1050001-008-AV

Facility ID No.: 1050001

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E.U. ID No.

-012 *None*
New 1,000 H.P. Boiler

E.U. ID No.	Pollutant Name	Fuel(s)	Hours/Yr	Allowable Emissions			Equivalent Emissions*		Regulatory Citation(s)	See Permit Condition(s)
				Standard(s)	lbs./hour	TPY	lbs./hour	TPY		
-012	SO2	Oil	8,760	0.5% S. By Weight			40.4	4.53	1050001-004-AC	III. D.2.
-012	VE		N/A	20% opacity except 40% 2-min/hr	N/A	N/A	N/A	N/A	62-296.406(1)	III. D.4.

Notes: *The "Equivalent Emissions" listed are for informational purposes only.
N/A: Not Applicable EBA: Established By Applicant

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

Citrosuco North America, Inc.

DRAFT Permit No.: 1050001-008-AV

Facility ID No.: 1050001

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

E.U. ID No. Brief Description
 -013 2,000 H.P. Boiler #1A

E.U. ID No.	Pollutant Name	Fuel(s)	Hours/Yr	Allowable Emissions			Equivalent Emissions*		Regulatory Citation(s)	See Permit Condition(s)
				Standard(s)	lbs./hour	TPY	lbs./hour	TPY		
-012	SO2	Oil	8,760	0.5% S., By Weight			40.4	4.53	1050001-004-AC	III. E.2.
-012	VE		N/A	20% opacity except 40% 2-min/hr	N/A	N/A	N/A	N/A	62-296.406(1)	III. E.4.

Notes: *The "Equivalent Emissions" listed are for informational purposes only.
 N/A: Not Applicable EBA: Established By Applicant

Table 2-1, Summary of Compliance Requirements

Citrosuco North America, Inc.

DRAFT Permit No.: 1050001-008-AV

Facility ID No.: 1050001

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


E.U. ID No. Brief Description

- 008 2000 HP Boiler No. 3
- 006 Citrus Peel Dryer No. 2
- 007 Citrus Peel Dryer No. 3
- 009 Pellet Cooler No. 2
- 010 Pellet Cooler No. 3
- 012 New 1,000 HP Boiler
- 013 2,000 HP Boiler #1A

E.U. ID No.	Pollutant Name or Parameter	Fuel(s)	Compliance Method	Testing Time Frequency	Frequency Base Date *	Min. Compliance Test Duration	CMS**	See Permit Condition(s)
-001, 004, 008	VE SO ₂	All No. 4 oil	EPA Method 9 fuel analysis	Five years	180 days prior To expiration	60 minutes		III. A.5. & A.6. III. A.10.
-006, 007	VE PM Water flow rate Pressure drop	All All	9 5	Annual Annual	Initial startup Initial startup	30 minutes 1 hour		III. B.7. & B.9. III. B.7. & B.8. III. B.14. & B.15. III. B.14. & B.15.
-009, 010	VE PM		9 5	Annual Renewal	Initial startup Initial startup	30 minutes 1 hour		III. C.7. & C.9. III. C.7., C.8, & C.10.
-012	VE SO ₂	All No. 4 oil	EPA Method 9 fuel analysis	Annual	03/15/02	60 minutes		III. D.6. III. D.5.
-013	VE SO ₂	All No. 4 oil	EPA Method 9 fuel analysis	Annual	03/15/02	60 minutes		III. E.6. III. E.5.

Notes: *Frequency base date established for planning purposes only; see Rule 62-297.310, F.A.C.
 **CMS [=] continuous monitoring system

Florida's DRAFT Permit Electronic Notification Cover Memorandum

TO: Gracy Danois, U.S. EPA Region 4
CC: Jeananne Gettle, U.S. EPA Region 4
THRU: Scott Sheplak P.E., Bureau of Air Regulation
FROM: Edward J. Svec, Permit Engineer 
DATE: 03/01/2004
RE: U.S. EPA Region 4 DRAFT Title V Operation Permit Renewal Review

The following DRAFT Title V Renewal operation permit(s) and associated documents have been posted on the DEP World Wide Web Internet site for your review. Please provide any comments via Internet E-mail, to Scott Sheplak, at "Sheplak_S@dep.state.fl.us".

<u>Applicant Name</u>	<u>County</u>	<u>Method of Transmittal</u>	<u>Electronic File Name(s)</u>
Citrosuco North America, Inc.	Polk	INTERNET	1050001Rd.zip
Citrosuco North America, Inc.			

This zipped file contains the following electronic files:

sob.doc
1050001i.doc
1050001R2d.doc
10500011.doc
10500012.doc
1050001u.doc
1050001g.doc