Peace River Citrus Products, Inc.

Facility ID No. 0270003
Desoto County

Title V Air Operation Permit Renewal

Permit No. 0270003-016-AV
(Renewal of Title V Air Operation Permit No. 0270003-015-AV)

Permitting Authority:

State of Florida
Department of Environmental Protection
Air Resource Management, Southwest District

13051 North Telecom Parkway
Temple Terrace, Florida 33637-0926

Telephone: (813) 632-7600
Fax: (813) 632-7668

Compliance Authority:

State of Florida
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Table of Contents

Section **Page Number**

I. Facility Information.
- A. Facility Description. 2
- B. Summary of Emissions Units. 2
- C. Applicable Regulations. 2

II. Facility-wide Conditions. 3

III. Emissions Units and Conditions.
- A. 001 Citrus Peel Dryer 6
- B. 003 Citrus Peel Pellet Cooler 10
- C. 004 750 HP Boiler #1
  005 750 HP Boiler #2
  006 750 HP Boiler #3 12

IV. Appendices
- Appendix A, Glossary.
- Appendix I, List of Insignificant Emissions Units and/or Activities.
- Appendix NSPS 40 CFR 60, Subpart A – General Provisions.
- Appendix NSPS 40 CFR 60, Subpart Dc - Standards of Performance for Small Industrial-Commercial-Institutional Steam Generating Units
- Appendix RR, Facility-wide Reporting Requirements.
- Appendix TR, Facility-wide Testing Requirements.
- Appendix TV, Title V General Conditions.

Referenced Attachments
- Table H, Permit History.
- Table 1, Summary of Air Pollutant Standards and Terms.
- Table 2, Compliance Requirements.
- Statement of Basis

DRAFT/PROPOSED PERMIT

PERMITTEE:
Peace River Citrus Products, Inc.
PO Box 730
Arcadia, Florida 34265-0730

Permit No. 0270003-016-AV
Peace River Citrus Products, Inc.
Facility ID No. 0270003
Title V Air Operation Permit Renewal

The purpose of this permit is to renew the Title V air operation permit for the above referenced facility. Peace River Citrus Products, Inc., is located in Desoto County at 4104 NW Highway 72, Arcadia, Florida. UTM Coordinates are: Zone 17, 409.76 East and 3010.45 North. Latitude is: 27° 12’ 50 “North; and, Longitude is: 81° 54’ 40” West.

The Title V air operation permit is issued under the provisions of Chapter 403, Florida Statutes (F.S.), and Florida Administrative Code (F.A.C.) Chapters 62-4, 62-210, 62-213. The above named permittee is hereby authorized to operate the facility in accordance with the terms and conditions of this permit.

Effective Date: DATE, 20xx
Renewal Application Due Date: Exp. DATE -225, 20xx
Expiration Date: Eff. DATE + 5 years, 20xx

Draft/Proposed

_____

Mara Grace Nasca
District Air Program Administrator
Southwest District

MGN/NEK/pp

SECTION I. FACILITY INFORMATION.

Subsection A. Facility Description.

This is a juice processing facility with one citrus peel dryer, one citrus peel pellet cooler, three 750 HP boilers, and process equipment (which includes fruit washers, oil and juice extraction equipment, cooling towers, fruit and peel conveyance equipment, a lime silo and peel storage).

Subsection B. Summary of Emissions Units.

EU No.	Brief Description
Regulated Emissions Units	
001	Citrus Peel Dryer with Waste Heat Evaporator
003	Citrus Peel Pellet Cooler
004	750 HP Boiler #1
005	750 HP Boiler #2
006	750 HP Boiler #3

Subsection C. Applicable Regulations.

Based on the Title V air operation permit renewal application received December 13, 2011, this facility is NOT a major source of hazardous air pollutants (HAP). The facility is a PSD major source of air pollutants in accordance with Rule 62-212.400, F.A.C. A summary of applicable regulations is shown in the following table.

Regulation	EU No(s).
40 CFR 60, Subpart A, NSPS General Provisions	004, 005, 006
40 CFR 60, Subpart Dc, Standards of Performance for Small Industrial-Commercial-Institutional Steam Generating Units	004, 005, 006
Rule 62-296.406 F.A.C., Fossil Fuel Steam Generators with Less Than 250 Million Btu Per Hour Heat Input, New and Existing Emissions Units	004, 005, 006
Best Available Control Technology (BACT) requirements from the Technical Evaluation and Final Determination for Construction Permit 0270003-014-AC	004, 005, 006
Chapters 62-4, 62-210, 62-213, 62-296, 62-297, F.A.C.	All

The following conditions apply facility-wide to all emission units and activities:

FW1. Appendices. The permittee shall comply with all documents identified in Section IV, Appendices, listed in the Table of Contents. Each document is an enforceable part of this permit unless otherwise indicated. [Rule 62-213.440, F.A.C.]

Emissions and Controls

FW2. Not federally Enforceable. 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.
[Rule 62-296.320(2) and 62-210.200(Definitions), F.A.C.]

FW3. General Volatile Organic Compounds (VOC) Emissions or Organic Solvents (OS) Emissions - The permittee shall allow no person to store, pump, handle, process, load, unload or use in any process or installation, volatile organic compounds or organic solvents 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.]

Permitting Note: Nothing is deemed necessary and ordered at this time.

FW4. 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. EPA Method 9 is the method of compliance pursuant to Chapter 62-297, F.A.C. This regulation does not impose a specific testing requirement.
[Rule 62-296.320(4)(b)1, F.A.C.]

FW5. Unconfined Particulate Matter - No person shall cause, let, permit, suffer or allow the emissions of unconfined particulate matter from any activity, including vehicular movement; transportation of materials; construction; alteration; demolition or wrecking; or industrially related activities such as loading, unloading, storing or handling; without taking reasonable precautions to prevent such emissions. Citrus processing is generally a wet operation so particulate emissions are limited to specific locations. Dry product, along with the associated dust particulates, is limited to the feed mill building and the feed storage areas. Feed is compressed into pellets which reduces the dust generation substantially. Reasonable precautions to prevent emissions of unconfined particulate matter at this facility include:

Feed mill

Daily

a. Conveyance screws are checked for proper operation.
b. Floors are washed down daily during cleanup.

Seasonally

All of the equipment is washed down at the end of the season to remove accumulated dust.

Feed Storage Buildings

Daily

a. Doors are kept closed to reduce escaping dust.
b. Dust is blended back into the pellets for shipping.

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

Permitting Note: The above precautions were proposed by the applicant in the response to a request for additional information received 02/08/2011.

FW6. VOC Emission Limits and Oil Recovery - VOC emissions will be limited by achieving by a 65 percent recovery of oil from citrus fruits processed each calendar year. Compliance with the emission limit for VOC shall be demonstrated by calculating the compliance indicator, as follows. All measured quantities of oil used in Equations 1 and 2 shall be in units of tons and the total results of the selected equation shall reflect the sum total for the entire calendar year.

1. The facility may use either Equation 1 or 2 to demonstrate compliance, provided that the facility has maintained the necessary records to use that equation. In the case of Equation 2, all recovered oil must be actually measured and all emitted volatilized oil must be treated as emissions and not as reductions of peel oil. If the result of the selected equation is positive or zero, the facility is in compliance with the VOC emission limit. If the result of the selected equation is negative, the facility is in violation of the VOC emission limit. The facility may use either equation to demonstrate compliance, even if the other equation results in a negative compliance indicator.

2. Facilities may accept wet peel from, or send wet peel to another facility for further processing and drying, provided that each facility involved receives or provides, respectively, sufficient recorded information to account for the recovery of oil from such peel, including oil in products and by-products at the receiving facility. A facility that sends wet peel offsite for any purpose shall not include the related oil in products and by-products in its oil recovery calculations. Such oil shall be included in the oil recovery calculations of the receiving facility. In any case, oil in products and by-products related to peel that is not processed through a peel dryer shall be excluded from all oil recovery calculations.

Equation 1:
Compliance Indicator = OIF(1 – K1) – OPP + ODP

Equation 2:
Compliance Indicator = OJ + CPO + EO + DL + ODP – K1(OIF)

Where:
K1 = 0.65.

And the following are all in units of tons:
OIF = Oil in Incoming Fruit
ODP = Oil in Dried Pellets
OPP = Oil in Pressed Peel
OJ = Oil in Juice
CPO = Cold Press Oil
EO = Essence Oil
DL = d-limonene

Fruit and byproduct oil quantities, required for equations 1 and 2, as applicable, shall be measured daily. All peel oil recovery at a facility shall be determined using the same methodology at all times during each processing year. The following sampling and analytical methods shall be used for determining oil contents of fruit, pressed peel, dried peel and pellets: The sampling and analytical method for determining oil content in incoming whole fruit is the method documented in "FMC FoodTech Citrus Systems Division, Procedures for Analysis of Citrus Products, Chapter VI, Procedure 1. Whole Fruit Available Oil, FMC Technologies Inc., Lakeland, FL, pp. 119 to 123, (effective August 16, 2002)" hereby adopted by reference; the analytical method for determining oil content is the Scott Method (Bromate Titration Method) as documented in "FMC FoodTech Citrus Systems Division, Procedures for Analysis of Citrus Products, Chapter IV, Procedure 10. Recoverable Oil (Scott Method), FMC Technologies Inc., Lakeland, FL, pp. 40 to 44, (effective August 16, 2002)" hereby adopted by reference; the methods for sampling, sample preparation and analytical calculations for peel residue, press cake, and pellets are

those documented in "Braddock, R. J. (1999), Handbook of Citrus By-Products and Processing Technology, Section 12.3.1.2 Analysis, John Wiley & Sons, NY, pp. 180 to 181," hereby adopted by reference. Copies of these documents may be obtained by contacting the Division of Air Resource Management at 2600 Blair Stone Road, Mail Station 5500, Tallahassee, FL 32399-2400.

[Rule 62-4.070(3), F.A.C.; Construction Permit 0270003-014-AC]

FW7. Records Retention - All recorded data shall be maintained at the facility by the permittee for a period of five years made available to the Department upon request.
[Rule 62-213.440, F.A.C.]

FW8. 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.]

Annual Reports and Fees

See Appendix RR, Facility-wide Reporting Requirements for additional details.

FW9. Annual Operating Report - The permittee shall submit an annual report that summarizes the actual operating rates and emissions from this facility. Annual operating reports shall be submitted to the Compliance Authority by April 1st of each year.
[Rule 62-210.370(3), F.A.C.]

FW10. Annual Emissions Fee Form and Fee - The annual Title V emissions fees are due (postmarked) by March 1st of each year. The completed form and calculated fee shall be submitted to: Major Air Pollution Source Annual Emissions Fee, P.O. Box 3070, Tallahassee, Florida 32315-3070. The forms are available for download by accessing the Title V Annual Emissions Fee On-line Information Center at the following Internet web site: http://www.dep.state.fl.us/air/emission/tvfee.htm.
[Rule 62-213.205, F.A.C.]

FW11. Annual Statement of Compliance - The permittee shall submit an annual statement of compliance to the compliance authority at the address shown on the cover of this permit within 60 days after the end of each calendar year during which the Title V permit was effective.
[Rules 62-213.440(3)(a)2. & 3. and (3)(b), F.A.C.]

FW12. Prevention of Accidental Releases (Section 112(r) of CAA) - If and when the facility becomes subject to 112(r), the permittee shall:

a. Submit its Risk Management Plan (RMP) to the Chemical Emergency Preparedness and Prevention Office (CEPPO) RMP Reporting Center. Any Risk Management Plans, original submittals, revisions or updates to submittals, should be sent to: RMP Reporting Center, Post Office Box 10162, Fairfax, VA 22038, Telephone: (703) 227-7650.

b. 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]

Subsection A. Emissions Unit 001- Citrus Peel Dryer with Waste Heat Evaporator

The specific conditions in this section apply to the following emissions unit:

EU No.	Brief Description
-001	The Gulf, model number 40, citrus peel dryer has a design process input rate of 32.6 tons/hour of pressed peel and lime (approx. 28% solids), with a maximum product output rate of 10.2 tons/hour of dried peel (approx. 90% solids). The peel dryer is fired at a maximum heat input rate of 54.0 MMBtu/hr. The exhaust gas from the peel dryer is sent to a 40,000 pound/hour (water removal capacity) waste heat evaporator which functions as an indirect heat exchanger to drive moisture from the press liquor (from the vertical peel press), and also acts as a particulate scrubber control device. The initial startup date of the peel dryer was 1980.

Essential Potential to Emit (PTE) Parameters

A.1. Permitted Capacity - The maximum allowable heat input rate is as follows:

Emission Unit No.	Maximum Heat Input (MMBtu/hr)
001	54.0

Permitting Note: see the related testing provisions in Appendix TR, Facility-wide Testing Requirements.

[Rules 62-4.160(2), 62-210.200 ("Potential to Emit"), F.A.C.; Construction Permit No. 0270003-014-AC]

A.2. Methods of Operation – The fuels that are allowed to be burned in this unit are:

a. Natural gas; and

b. No. 2 distillate fuel oil with a maximum of 0.10% sulfur by weight.

[Rule 62-4.070(3) F.A.C.; Construction Permit 0270003-014-AC]

A.3. Fruit Throughput Limit - The owner or operator shall not process more than 13.0 million boxes of citrus fruit in any consecutive 12 month period. For purposes of this permit, a box of citrus fruit shall be defined to contain 90 pounds of oranges or 85 pounds of grapefruit.
[Rule 62-210.200 ("Potential to Emit"), F.A.C., Construction Permit 0270003-014-AC]

Permitting Note: For emission calculations, the hours of operation for this emissions unit is estimated not to exceed a total of 4,500 hours per year.

Emission Limitations and Standards

Permitting Note: The attached Table 1, Summary of Air Pollutant Standards, summarizes information for convenience purposes only. This table does not supersede any of the terms or conditions of this permit.

Unless otherwise specified, the averaging times for Specific Conditions A.4. and A.6. are based on the specified averaging time of the applicable test method.

A.4. Visible Emissions - Visible emissions shall not exceed 20% opacity.
[Rule 62-296.320(4)(b)1., F.A.C.; Construction Permit 0270003-014-AC]

A.5. Sulfur Dioxide Emissions - Sulfur dioxide shall be limited by firing either natural gas or No. 2 distillate fuel oil with a maximum 0.10 percent sulfur, by weight. Measurement of the sulfur content of fuel oil shall be by latest American Society for Testing and Materials methods suitable for determining sulfur content. Sulfur dioxide emissions shall be determined by material balance using the sulfur content and amount of the fuel or fuels fired in each emission source, assuming that for each pound of sulfur in the fuel fired, 2 pounds of sulfur dioxide are emitted.
[Rule 62-210.200 ("Potential to Emit"), F.A.C.; Construction Permit 0270003-014-AC]

A.6. Particulate Matter Emissions – PM/PM_{10} emissions from the peel dryer shall not exceed 15.0 pounds per hour.
[Rule 62-4.070(3), F.A.C.; Construction Permit 0270003-014-AC]

Excess Emissions

A.7. Excess Emissions Allowed - Excess emissions resulting from startup, shutdown or malfunction of any emissions unit shall be permitted providing (1) best operational practices to minimize emissions are adhered to and (2) the duration of excess emissions shall be minimized but in no case exceed two hours in any 24 hour period unless specifically authorized by the Department for longer duration.
[Rule 62-210.700(1), F.A.C.]

A.8. Excess Emissions Prohibited - Excess emissions which are caused entirely or in part by poor maintenance, poor operation, or any other equipment or process failure which may reasonably be prevented during startup, shutdown or malfunction shall be prohibited.
[Rule 62-210.700(4), F.A.C.]

Test Methods and Procedures

Permitting Note: The attached Table 2, Summary of Compliance Requirements, summarizes information for convenience purposes only. This table does not supersede any of the terms or conditions of this permit.

A.9. Test Methods - Required tests shall be performed in accordance with the following reference methods:

Method	Description of Method and Comments
1-4	Traverse Points, Velocity and Flow Rate, Gas Analysis, and Moisture Content
5	Determination of Particulate Matter Emissions from Stationary Sources
9	Visual Determination of the Opacity of Emissions from Stationary Sources

The above methods are described in 40 CFR 60, Appendix A, and adopted by reference in Rule 62-204.800, F.A.C. No other methods may be used unless prior written approval is received from the Department.

[Rules 62.204.800 and 62-297.401, F.A.C.; Appendix A of 40 CFR 60]

A.10. Common Testing Requirements - Unless otherwise specified, tests shall be conducted in accordance with the requirements and procedures specified in Appendix TR, Facility-Wide Testing Requirements, of this permit.
[Rule 62-297.310, F.A.C.]

A.11. Annual Compliance Tests Required - During each federal fiscal year (October 1st to September 30th), the peel dryer shall be tested to demonstrate compliance with the emissions standards for visible emissions.
[Rule 62-297.310(7), F.A.C.; Construction Permit 0270003-014-AC]

A.12. Compliance Tests Prior To Renewal – A compliance test shall be performed for PM/PM_{10} between 365 and 270 days before the expiration date of this permit to demonstrate compliance with the emission limits in Specific Condition A.6.
[Rules 62-210.300(2)(a) and 62-297.310(7)(a), F.A.C.; Construction Permit 0270003-014-AC]

A.13. Additional Testing Requirements - Compliance testing of the peel dryer shall be conducted when firing No. 2 fuel oil if fuel oil has been used in the peel dryers for more than 400 hours for the previous 12 months, or if it is expected to be used in the peel dryers for more than 400 hours during the next 12 months. If the test is conducted while firing natural gas and in the 12 month period following the test No. 2 fuel oil is burned for more than 400 hours, then an additional VE test (while burning No. 2 fuel oil) shall be conducted within 30 days of having passed the 400 hour fuel oil burning level.
[Rule 62-297.310(7)(a), F.A.C.]

Recordkeeping and Reporting Requirements

A.14. Other Reporting Requirements - See Appendix RR, Facility-Wide Reporting Requirements, for additional reporting requirements.

A.15. Fuel Sulfur Content Record - The permittee shall keep records of all fuel analysis provided by the vendor or the permittee verifying the liquid fuel sulfur content upon each fuel delivery.
[Rule 62-4.070(3), F.A.C.; Construction Permit 0270003-014-AC]

A.16. Fruit Processing Rate – The permittee shall keep a log of and maintain monthly and consecutive 12 month rolling total records of fruit processing rates to demonstrate compliance with Specific Condition A.3. Such records shall be made from daily processing records and shall be completed no later than the 10th day of each following month.
[Rule 62-4.070(3), F.A.C.; Construction Permit 0270003-014-AC]

A.17. Excess Emissions Reporting - In case of excess emissions resulting from malfunctions, each owner or operator shall notify the Department in accordance with Rule 62-4.130, F.A.C. A full written report on the malfunctions shall be submitted in a quarterly report, if requested by the Department.
[Rule 62-210.700(6), F.A.C.]

A.18. Heat Input Rate - In order to provide information to document compliance with the fuel heat input rate limitations of Specific Condition A.1., the permittee shall monitor and maintain daily record logs of the amount of each fuel used and the hours of operation.
[Rule 62-4.070(3), F.A.C.; Construction Permit 0270003-014-AC]

Other Requirements

A.19. Best Management Practices for Carbon Monoxide - The facility shall operate its citrus peel dryer in accordance with the manufacturer's operating manual, or recommended operating practices provided by the manufacturer, equipment vendor, or a professional engineer registered in Florida, as well as with the practices

A.19. *(continued)*

described in this paragraph. The facility shall report to the Department any failure to follow these practices, and shall make such report in writing within 7 days from discovery of such failure. Records and copies of reports shall be maintained on site for a period of five years and shall be made available to the Department upon request. The facility shall:

a. Train dryer operators to perform the operating practices of this paragraph using the manuals and plans described, and allow only trained employees to operate dryers;

b. Maintain a written plan with operating procedures for startup, shutdown and malfunction of the equipment, and follow that plan during these events;

c. Operate and maintain the burner and burner controls to maintain a proper air to fuel ratio;

d. Visually check the flame characteristics once per operating shift;

e. Monitor the moisture content of the dried peel exiting the dryer on a daily basis, and maintain that moisture content greater than six percent by weight at all times during operation;

f. Make burner and burner control adjustments on an annual basis, or more frequently as required by visual checks;

g. Perform an inspection of combustion equipment as prescribed by the equipment manufacturer or registered professional engineer, but no less often than annually, and replace parts that are worn or improperly operating;

h. Keep records of combustion operations that document the operating practices described in this paragraph, such documentation shall include a manual, which can be the manufacturer's operation manual, and daily logs; and

i. Document maintenance performed on equipment, and all normal processing equipment and operating practices changes.

[Rule 62-4.070(3), F.A.C.; Construction Permit 0270003-014-AC]

Subsection B. Emissions Unit 003 - Citrus Peel Pellet Cooler

The specific conditions in this section apply to the following emissions unit:

EU No.	Brief Description
-003	The Citrus Peel Pellet Cooler has a capacity of 20 tons per hour and a design process input rate of 10.2 tons per hour of dried citrus peel. Dried citrus peel from the peel dryer is sent to the pelletizer where molasses is added and the mixture is compressed into hard pellets for use as an animal feed supplement. The process up to this point is totally enclosed. The pellets are then conveyed into the pellet cooler that has a fan that pulls outside air up through the pellets to cool them to near ambient temperature. The air is discharged to the atmosphere through a CPM Model 2726-7 cyclone collector. Any suspended product collected by the cyclone is returned to the pelletizer for reprocessing.

Essential Potential to Emit (PTE) Parameters

B.1. Hours of Operation - This emissions unit is allowed to operate, as necessary, to process 13.0 million boxes of citrus fruit in any consecutive 12 month period.
[Rules 62-4.160(2) and 62-210.200 ("Potential to Emit"), F.A.C.; Construction Permit 0270003-014-AC]

Permitting Note: For emission calculations, the hours of operation for these emissions units are estimated not to exceed a total of 4,500 hours per year.

B.2. Permitted Capacity - The capacity of the pellet cooler is determined by the capacity of the citrus peel dryer.
[Rules 62-4.160(2) and 62-210.200 ("Potential to Emit"), F.A.C.; Construction Permit 0270003-014-AC]

Permitting Note: The pellet cooler input is equal to the output of dried peel from the peel dryer.

Emission Limitations and Standards

Permitting Note: The attached Table 1, Summary of Air Pollutant Standards, summarizes information for convenience purposes only. This table does not supersede any of the terms or conditions of this permit.

Unless otherwise specified, the averaging times for Specific Conditions B.3.-B.4. are based on the specified averaging time of the applicable test method.

B.3. Visible Emissions - Visible emissions shall not exceed 5 percent opacity.
[Rule 62-4.070(3), F.A.C.; Construction Permit 0270003-014-AC]

B.4. PM/PM_{10} Emissions - PM/PM_{10} emissions shall not exceed 5.0 pounds per hour.
[Rule 62-4.070(3), F.A.C.; Construction Permit 0270003-014-AC]

Excess Emissions

B.5. Excess Emissions Allowed - Excess emissions resulting from startup, shutdown or malfunction of any emissions unit shall be permitted providing (1) best operational practices to minimize emissions are adhered to and (2) the duration of excess emissions shall be minimized but in no case exceed two hours in any 24 hour period unless specifically authorized by the Department for longer duration.
[Rule 62-210.700(1), F.A.C.]

B.6. Excess Emissions Prohibited - Excess emissions which are caused entirely or in part by poor maintenance, poor operation, or any other equipment or process failure which may reasonably be prevented during startup, shutdown or malfunction shall be prohibited.
[Rule 62-210.700(4), F.A.C.]

Test Methods and Procedures

Permitting Note: The attached Table 2, Summary of Compliance Requirements, summarizes information for convenience purposes only. This table does not supersede any of the terms or conditions of this permit

B.7. Test Methods - Required tests shall be performed in accordance with the following reference methods:

Method	Description of Method and Comments
1-4	Traverse Points, Velocity and Flow Rate, Gas Analysis, and Moisture Content
5	Method for Determining Particulate Matter Emissions (All PM is assumed to be PM_{10}.)
9	Visual Determination of the Opacity of Emissions from Stationary Sources

The above methods are described in 40 CFR 60, Appendix A, and adopted by reference in Rule 62-204.800, F.A.C. No other methods may be used unless prior written approval is received from the Department.

[Rules 62-204.800 and 62-297.401, F.A.C.; Appendix A of 40 CFR 60]

B.8. Common Testing Requirements - Unless otherwise specified, tests shall be conducted in accordance with the requirements and procedures specified in Appendix TR, Facility-Wide Testing Requirements, of this permit.
[Rule 62-297.310, F.A.C.]

B.9. Annual Compliance Tests Required- During each federal fiscal year (October 1st to September 30th), this emission unit shall be tested to demonstrate compliance with the emissions standards for visible emissions.
[Rule 62-297.310(7), F.A.C.; Construction Permit 0270003-014-AC]

B.10. Particulate Matter (PM/PM_{10}) Testing - Tests for compliance with the particulate matter emission limit, for the pellet cooler or cooling reel are waived as long as the facility complies with the visible emissions limitation in Specific Condition B.3. If any visible emissions test for the pellet cooler or cooling reel does not demonstrate compliance with the visible emissions limitation, the emissions unit shall be tested for compliance with the particulate matter emission limit within 30 days after the visible emissions test.
[Rule 62-4.070(3), F.A.C.; Construction Permit 0270003-014-AC.]

Recordkeeping and Reporting Requirements

B.11. Other Reporting Requirements - See Appendix RR, Facility-Wide Reporting Requirements, for additional reporting requirements.

B.12. Fruit Processing Rate - The permittee shall keep a log of and maintain monthly and consecutive 12 month rolling total records of fruit processing rates to demonstrate compliance with Specific Condition B.1. Such records shall be made from daily processing records and shall be completed no later than the 10th day of each following month. *(See also Specific Condition A.16.)*
[Rule 62-4.070(3), F.A.C.; Construction Permit 0270003-014-AC]

Subsection C. The specific conditions in this section apply to the following emissions units:

EU Nos.	Brief Description
-004	Boiler No. 1 (North) is a 750 HP Johnson fire-tube boiler used to provide steam. It is fired at a maximum heat input rate of 29.05 MMBtu/hour and is fueled with natural gas or No. 2 distillate fuel oil with a maximum of 0.10 percent sulfur, by weight. It was placed in service November 29, 1993.
-005	Boiler No. 2 (South) is a 750 HP Johnson fire-tube boiler used to provide steam. It is fired at a maximum heat input rate of 29.05 MMBtu/hour and is fueled with natural gas or No. 2 distillate fuel oil with a maximum of 0.10 percent sulfur, by weight. It was placed in service on November 29, 1993.
-006	Boiler No. 3 (southernmost) is a 750 HP Johnson fire-tube boiler used to provide steam. It is fired at a maximum heat input rate of 29.05 MMBtu/hour and is fueled with natural gas or No. 2 distillate fuel oil with a maximum of 0.10 percent sulfur, by weight. It was placed in service on May 1, 1997.

Essential Potential to Emit (PTE) Parameters

C.1. Permitted Capacity. The maximum allowable heat input rate is as follows:

EU Nos.	Maximum Heat Input (MMBTU/hr)
004	29.05
005	29.05
006	29.05

[Rules 62-4.160(2), 62-204.800, 62-210.200 ("Potential to Emit"), F.A.C.; Construction Permit 0270003-014-AC-AC.]

C.2. Methods of Operation – The fuels that are allowed to be burned in these boilers are:

a. Natural gas; and

b. No. 2 distillate fuel oil with a maximum of 0.10% sulfur by weight.

[Rule 62-4.070(3) F.A.C.; Construction Permit 0270003-014-AC]

C.3. Hours of Operation - These emissions units are allowed to operate continuously, i.e., 8,760 hours per year. [Rules 62-4.160(2) and 62-210.200 ("Potential to Emit"), F.A.C.; Construction Permit 0270003-014-AC]

Emission Limitations and Standards

Permitting Note: The attached Table 1, Summary of Air Pollutant Standards, summarizes information for convenience purposes only. This table does not supersede any of the terms or conditions of this permit.

Unless otherwise specified, the averaging time for Specific Condition C.4. is based on the specified averaging time of the applicable test method.

C.4. Visible Emissions - Visible emissions shall not exceed 20 percent opacity except for one six-minute period per hour during which opacity shall not exceed 27 percent.
[Rule 62-296.406(1), F.A.C.; Construction Permit 0270003-014-AC]

C.5. Sulfur Dioxide - Sulfur dioxide shall be limited by firing either natural gas or No. 2 distillate fuel oil with a maximum 0.10 percent sulfur, by weight. Measurement of the sulfur content of fuel oil shall be by latest American Society for Testing and Materials methods suitable for determining sulfur content. Sulfur dioxide emissions shall be determined by material balance using the sulfur content and amount of the fuel or fuels fired in each emission source, assuming that for each pound of sulfur in the fuel fired, 2 pounds of sulfur dioxide are emitted.
[Rule 62-296.406(2), F.A.C.; Construction Permit 0270003-014-AC]

C.6. Particulate Matter Emissions - Particulate matter shall be limited by firing either natural gas or No. 2 distillate fuel oil with a maximum 0.10 percent sulfur, by weight.
[Rule 62-296.406(2), F.A.C.; Construction Permit 0270003-014-AC]

Excess Emissions

Rule 62-210.700 (Excess Emissions), F.A.C. cannot vary any requirement of an NSPS, NESHAP or Acid Rain program provision.

C.7. Excess Emissions Allowed. - Excess emissions resulting from startup, shutdown or malfunction of any emissions unit shall be permitted providing (1) best operational practices to minimize emissions are adhered to and (2) the duration of excess emissions shall be minimized but in no case exceed two hours in any 24 hour period unless specifically authorized by the Department for longer duration.
[Rule 62-210.700(1), F.A.C.]

C.8. Excess Emissions Allowed - Excess emissions from existing fossil fuel steam generators resulting from startup or shutdown shall be permitted provided that best operational practices to minimize emissions are adhered to and the duration of excess emissions shall be minimized.
[Rule 62-210.700(2), F.A.C.]

C.9. Excess Emissions Prohibited - Excess emissions which are caused entirely or in part by poor maintenance, poor operation, or any other equipment or process failure which may reasonably be prevented during startup, shutdown, or malfunction shall be prohibited.
[Rule 62-210.700(4), F.A.C.]

Test Methods and Procedures

Permitting Note: The attached Table 2, Summary of Compliance Requirements, summarizes information for convenience purposes only. This table does not supersede any of the terms or conditions of this permit.

C.10. Test Methods - Required tests shall be performed in accordance with the following reference methods:

Method	Description of Method and Comments
9	Visual Determination of the Opacity of Emissions from Stationary Sources

The above methods are described in 40 CFR 60, Appendix A, and adopted by reference in Rule 62-204.800, F.A.C. No other methods may be used unless prior written approval is received from the Department.

[Rules 62-204.800 and 62-297.401, F.A.C.; Appendix A of 40 CFR 60]

C.11. Common Testing Requirements - Unless otherwise specified, tests shall be conducted in accordance with the requirements and procedures specified in Appendix TR, Facility-Wide Testing Requirements, of this permit.
[Rule 62-297.310, F.A.C.]

C.12. Visible Emissions - During each federal fiscal year (October 1st to September 30th), each boiler shall be tested to demonstrate compliance with the emissions standards for visible emissions.
[Rule 62-297.310(7), F.A.C.; Construction Permit No. 0270003-014-AC]

Recordkeeping and Reporting Requirements

C.13. Other Reporting Requirements - See Appendix RR, Facility-Wide Reporting Requirements, for additional reporting requirements.

C.14. Fuel Sulfur Content Records - The permittee shall keep records of all fuel analysis provided by the vendor or the permittee verifying the liquid fuel sulfur content upon each fuel delivery.
[Rule 62-296.406(3), F.A.C.; Construction Permit 0270003-014-AC]

C.15. Heat Input Rate - In order to provide information to document compliance with the fuel heat input rate limitations of Specific Condition C.1., the permittee shall monitor and maintain daily record logs of the amount of each fuel used and the hours of operation.
[Rule 62-4.070(3), F.A.C.; Construction Permit 0270003-014-AC]

C.16. Excess Emissions Reporting - In case of excess emissions resulting from malfunctions, each owner or operator shall notify the Department 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.]

Other Requirements

C.17. Best Management Practices for Carbon Monoxide. - The facility shall operate its boilers in accordance with the manufacturer's operating manual, or recommended operating practices provided by the manufacturer, equipment vendor, or a professional engineer registered in Florida, as well as with the practices described in this paragraph. The facility shall report to the Department any failure to follow these practices, and shall make such report in writing within 7 days from discovery of such failure. Records and copies of reports shall be maintained on site for a period of five years and shall be made available to the Department upon request. The facility shall:

1. Train boiler operators to perform the operating practices of this paragraph using the manuals and plans described, and allow only trained employees to operate boilers;

2. Maintain a written plan with operating procedures for startup, shutdown and malfunction of the equipment, and follow that plan during these events;

3. Operate and maintain the burner and burner controls to maintain a proper air to fuel ratio;

4. Visually check the flame characteristics once per operating shift;

5. Make burner and burner control adjustments on an annual basis, or more frequently as required by visual checks;

6. Perform an inspection of combustion equipment as prescribed by the equipment manufacturer or registered professional engineer, but no less often than annually, and replace parts that are worn or improperly operating;

7. Keep records of combustion operations that document the operating practices described in this paragraph, such documentation shall include a manual, which can be the manufacturer's operation manual, and daily logs; and

8. Document maintenance performed on equipment, and all normal processing equipment and operating practices changes.

[Rule 62-4.070(3), F.A.C.; Construction Permit 0270003-014-AC]

C.18. Federal Rule Requirements - In addition to the specific conditions listed above, this emissions unit is also subject to the applicable requirements contained in 40 CFR 60, Subpart A – General Provisions and 40 CFR 60 Subpart Dc – Standards of Performance for Small Industrial-Commercial-Institutional Steam Generating Units. The applicable provisions of Subpart Dc are listed below:

a. Applicability and delegation of authority.
   60.40c(a)
b. Definitions.
   60.41c
c. Standard for sulfur dioxide.
   60.42c
d. Standard for particulate matter.
   60.43c
e. Compliance and performance test methods and procedures for particulate matter.
   60.45c
f. Reporting and recordkeeping requirements.
   i. The owner or operator of each affected facility shall record and maintain records of the amounts of each fuel combusted during each day.
      40 CFR 60.48c(g)
   ii. The reporting period for the reports required under this subpart is each six-month period. All reports shall be submitted to the Administrator and shall be postmarked by the 30th day following the end of the reporting period.
      40 CFR 60.48c(j)

Note: The emissions limits in Specific Conditions C.4. – C.6. are at least as stringent as those specified in 40 CFR 60, Subpart Dc.

SECTION IV. APPENDICES.

The Following Appendices Are Enforceable Parts of This Permit:

Appendix A, Glossary

Appendix I, List of Insignificant Emissions Units and/or Activities

Appendix NSPS, Subpart A – General Provisions

Appendix NSPS, Subpart Dc - Standards of Performance for Small Industrial-Commercial-Institutional Steam Generating Units

Appendix RR, Facility-wide Reporting Requirements

Appendix TR, Facility-wide Testing Requirements

Appendix TV, Title V General Conditions

REFERENCED ATTACHMENTS.

The Following Attachments Are Included for Applicant Convenience:

Table H, Permit History

Table 1, Summary of Air Pollutant Standards and Terms

Table 2, Compliance Requirements

Statement of Basis