



Jeb Bush  
Governor

# Department of Environmental Protection

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

Colleen M. Castille  
Secretary

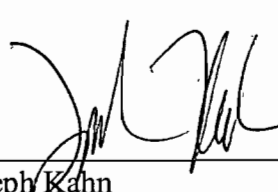
## P.E. Certification Statement

**Permittee:**  
Bartow Citrus Products, LLC  
Bartow Facility

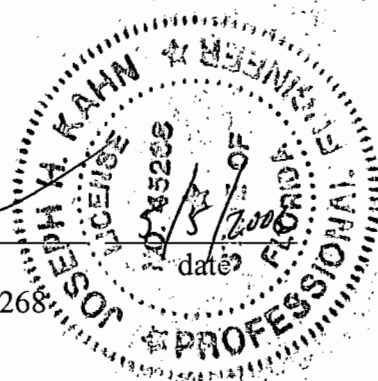
**Permit No.:** 1050045-0011-AV  
**Facility ID No.:** 1050045

**Project type:** Initial Title V Permit (Re-permitting)

*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).*

  
Joseph Kahn

Registration Number: 45268



Permitting Authority:

Bureau of Air Monitoring and Mobile Sources  
Division of Air Resource Management  
Florida Department of Environmental Protection  
Mail Station 5510  
2600 Blair Stone Road  
Tallahassee, FL 32399-2400  
Telephone: 850/921-9560  
Fax: 850/922-6979


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## Memorandum

## Florida Department of Environmental Protection

TO: Michael G. Cooke

FROM: Joseph Kahn 

DATE: May 3, 2006

SUBJECT: FINAL Permit No.: 1050045-011-AV  
Bartow Citrus Products, LLC  
Bartow Facility

This permit is a Title V Air Operation Permit for the subject facility required by the sunset of Chapter 403.08725, F.S.

The permit incorporates the terms and conditions of air construction permit, No. 1050045-010-AC, the repermitting of the facility consisting of two citrus peel dryers connected to one 100,000 pound per hour waste heat evaporator, one citrus peel pellet cooler, two 1,000 horsepower boilers which provide steam when sufficient steam is not available from the adjacent Orange Cogeneration facility, and process equipment (which includes fruit washers, oil and juice extraction equipment, cooling towers, fruit and peel conveyance equipment, lime storage silo and peel storage).

Based on the Title V permit application received September 19, 2005, this facility is not a major source of hazardous air pollutants (HAPs). CAM is not applicable.

No comments were received on the DRAFT permit during the 30-day comment period.

No comments or objections were received from Region 4, U.S. EPA regarding the PROPOSED permit.

I recommend your signature.

JK/es

Attachment

## **NOTICE OF FINAL TITLE V AIR OPERATION PERMIT**

In the Matter of an  
Application for Permit:

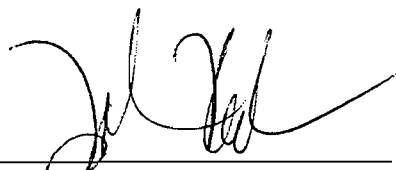
Bart Plymale	FINAL Permit Project No.: 1050045-011-AV
Vice President of Operations	Bartow Facility
Bartow Citrus Products, LLC P.O. Box 730 Arcadia, Florida 34265-0730	Polk County

Enclosed is FINAL Permit, No. 1050045-011-AV, for the operation of the Bartow Facility located at 2020 U.S. Highway 17 South, Bartow, Polk County, issued pursuant to Chapter 403, Florida Statutes (F.S.).

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

Executed in Tallahassee, Florida.

Department of Environmental Protection

  
\_\_\_\_\_  
Joseph Kahn, P.E., Chief  
Bureau of Air Monitoring  
and Mobile Sources

**CERTIFICATE OF SERVICE**

The undersigned duly designated deputy agency clerk hereby certifies that this NOTICE OF FINAL TITLE V AIR OPERATION PERMIT (including the FINAL Determination and the FINAL Permit) was sent by certified mail or electronically (with Received Receipt) before the close of business on 5/11/06 to the person(s) listed or as otherwise noted:

Bart Plymale, Vice President of Operations, Bartow Citrus Products, LLC

The undersigned duly designated deputy agency clerk hereby certifies that a copy of this NOTICE OF FINAL TITLE V AIR OPERATION PERMIT was sent by U.S. Mail or electronically (with Received Receipt) before the close of business on 5/11/06 to the person(s) listed or as otherwise noted:

Wayne Griffin, P.E., G2 Services, Ltd.

Mara Nasca, FDEP SWD

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

Clerk Stamp

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

Barbara J. Friday 5/11/06  
(Clerk) (Date)

## **FINAL Determination**

Title V Air Operation Permit  
FINAL Permit No.: 1050045-011-AV  
Bartow Citrus Products, LLC  
Bartow Facility  
Page 1 of 1

### **I. Comment(s).**

No comments were received from the USEPA during their 45 day review period of the PROPOSED Permit.

### **II. Conclusion.**

In conclusion, the permitting authority hereby issues the FINAL Permit.

## SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

## 1. Article Addressed to:

Mr. Bart Plymale  
Vice President of Operations  
Bartow Citrus Products, LLC  
P.O. Box 730  
Arcadia, Florida 34265-0730

## 2. Article Number

7005 1160 0004 3034 4172

PS Form 3811, February 2004

Domestic Return Receipt

102595-02-M-1540

## COMPLETE THIS SECTION ON DELIVERY

## A. Signature

*Cynthia K. K...*

- ☐ Agent  
☐ Addressee

## B. Received by (Printed Name)

## C. Date of Delivery

## D. Is delivery address different from item 1?

If YES, enter delivery address below:

- ☐ Yes  
☐ No

## 3. Service Type

- ☒ Certified Mail ☐ Registered  
☐ Insured Mail ☐ Return Receipt for Merchandise  
☐ C.O.D.

## 4. Restricted Delivery? (Extra Fee)

- ☐ Yes

7005 1160 0004 3034 4172

Sent To  
Mr. Bart Plymale, Vice President of Operations  
Street, Apt. No., P. O. Box 730  
City, State, ZIP+4  
Arcadia, Florida 34265-0730  
PS Form 3800, June 2002

See Reverse for Instructions

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Total Postage & Fees	\$

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Mr. Bart Plymale, Vice President of Operations

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DEPARTMENT OF ENVIRONMENTAL PROTECTION  
DIVISION OF AIR RESOURCES MANAGEMENT  
BUREAU OF AIR REGULATION - TALLAHASSEE  
2600 BLAIR STONE ROAD  
TALLAHASSEE, FLORIDA 32399-2400

*M & S S O S*

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Internet access to delivery information is not available on mail addressed to APOs and FPOs.

PS Form 3800, June 2002 (Reverse)

## **STATEMENT OF BASIS**

Bartow Citrus Products, LLC  
Bartow Facility  
**Facility ID No.:** 1050045  
Polk County

Title V Air Operation Permit  
**FINAL Permit No.:** 1050045-011-AV

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

This facility consists of two citrus peel dryers connected to one 100,000 pound per hour waste heat evaporator, one citrus peel pellet cooler, two 1,000 horsepower boilers which provide steam when sufficient steam is not available from the adjacent Orange Cogeneration facility, and process equipment (which includes fruit washers, oil and juice extraction equipment, cooling towers, fruit and peel conveyance equipment, lime storage silo and peel storage).

Two citrus dryers exhaust through one waste heat evaporator (WHE). Waste citrus peel and pulp ("wet peel") are pressed to remove oils and some water. This press liquor is concentrated (termed "citrus molasses") using waste heat from the dryer(s), and is added to the dried peel as a binder for pelletizing. The peel discharged from the press ("pressed peel") is then fed to the dryer(s) for removal of remaining water.

The primary dryer is designed to evaporate a maximum of 60,000 pounds per hour of water. The secondary dryer is designed to evaporate a maximum of 30,000 pounds per hour of water. Maximum heat input for both dryers is 100 million Btu per hour. The primary dryer processes a total maximum of 90,000 pounds per hour of pressed peel (including water). The secondary dryer processes a total design maximum of 45,000 pounds per hour of pressed peel (including water). The evaporator processes a maximum of approximately 100,000 pounds per hour of liquid waste and converts it to approximately 29,630 pounds per hour of citrus molasses. Approximately 26,620 pounds per hour of dry feed containing approximately 10 percent moisture is produced.

Particulate matter emissions are reduced in the waste heat evaporator during the continuous washing of the waste heat evaporator's tubes. Primary removal of particulate matter is accomplished by use of a cyclone common to both dryers. Particulate matter emissions are vented to the atmosphere through the evaporator stack. In the event of an emergency, emissions are vented to a relief stack. CAM does not apply.

The pellet mill cooler has a maximum design utilization rate of dried citrus pellets of 14.0 tons per hour. Dried citrus peel from the feed mill dryer is sent to the pellet mill cooler where molasses is added and it is cooled and formed into pellets for use as an animal feed supplement. Particulate emissions from the cooler are controlled by 1 small cyclone and 1 large cyclone. Each cyclone has its own emission stack. CAM does not apply.

The two boilers are Johnson, 1,000 horsepower steam boilers. These emissions units are new process steam boilers that are installed to serve as a source of steam to meet citrus processing needs. Each boiler is limited to a physical capacity of 41.63 million Btu per hour using only natural gas. These emissions units are regulated under Rule 62-296.406, F.A.C., Fossil Fuel Steam Generators with less than 250 Million Btu



per Hour Heat Input and 40 CFR 60, Subpart Dc - Standards of Performance for Small Industrial-Commercial-Institutional Steam Generating Units, adopted and incorporated by reference in Rule 62-204.800(7)(b), F.A.C. CAM does not apply.

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

Based on the initial Title V permit application received September 19, 2005, this facility is not a major source of hazardous air pollutants (HAPs).

Bartow Citrus Products, LLC  
Bartow Facility

**Facility ID No.:** 1050045  
Polk County

Title V Air Operation Permit  
**FINAL Permit No.:** 1050045-011-AV

Permitting Authority:  
State of Florida  
Department of Environmental Protection  
Division of Air Resource Management  
Bureau of Air Monitoring and Mobile Sources  
Mail Station #5510  
2600 Blair Stone Road  
Tallahassee, Florida 32399-2400

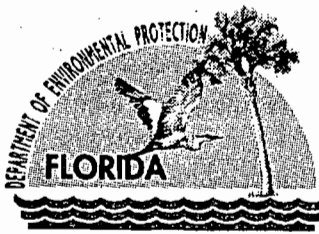
Telephone: 850/488-0114  
Fax: 850/922-6979

Compliance Authority:  
State of Florida  
Florida Department of Environmental Protection  
Southwest District  
13051 North Telecom Parkway  
Temple Terrace, Florida 33637-0926  
Telephone: 813/632-7600  
Fax: 813/632-7668

Title V Air Operation Permit  
FINAL Permit No.: 1050045-011-AV

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Jeb Bush  
Governor

# Department of Environmental Protection

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

Colleen M. Castille  
Secretary

**Permittee:**

Bartow Citrus Products, LLC  
PO Box 730  
Arcadia, Florida 34265

**FINAL Permit No.:** 1050045-011-AV

**Facility ID No.:** 1050045

**SIC Nos.:** 20, 2033, 2037, 2048

**Project:** Title V Air Operation Permit

This permit is for the operation of the Bartow Citrus Products, LLC, Bartow Facility. This facility is located at 2020 U.S. Highway 17 South, Bartow, Polk County; UTM Coordinates: Zone 17, 418.7 km East and 3083.6 km North; Latitude: 27° 52' 35" North and Longitude: 81° 49' 33" West.

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

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

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

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

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

TABLE 297.310-1, CALIBRATION SCHEDULE version dated 10/07/96

FIGURE 1 - SUMMARY REPORT-GASEOUS AND OPACITY EXCESS

EMISSION AND MONITORING SYSTEM PERFORMANCE REPORT version dated 07/96

**Effective Date:** April 30, 2006

**Renewal Application Due Date:** November 1, 2010

**Expiration Date:** April 30, 2011

STATE OF FLORIDA DEPARTMENT  
OF ENVIRONMENTAL PROTECTION

Michael G. Cooke, Director  
Division of Air Resource Management

MGC/jk/es

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**Section I. Facility Information.**

**Subsection A. Facility Description.**

This facility consists of two citrus peel dryers connected to one 100,000 pound per hour waste heat evaporator, one citrus peel pellet cooler, two 1,000 horsepower boilers which provide steam when sufficient steam is not available from the adjacent Orange Cogeneration facility, and process equipment (which includes fruit washers, oil and juice extraction equipment, cooling towers, fruit and peel conveyance equipment, lime storage silo and peel storage).

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

Based on the Title V permit application received September 19, 2005, 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).**

<u>E.U. ID No.</u>	<u>Brief Description</u>
-006	Two Citrus Peel Dryers Vented to One Waste Heat Evaporator
-007	Citrus Peel Pellet Cooler
-010	1,000 Horsepower Johnson Boiler #1
-011	1,000 Horsepower Johnson Boiler #2

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

**Subsection C. Relevant Documents.**

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

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

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

Table 2-1, Summary of Compliance Requirements

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

Appendix H-1: Permit History/ID Number Changes

Statement of Basis

These documents are on file with permitting authority:

Title V Permit Application received September 19, 2005

Additional Information Request dated September 26, 2005

Additional Information Response received November 3, 2005

Additional Information Request dated November 22, 2005

Additional Information Response received December 9, 2005

## Section II. Facility-wide Conditions.

### The following conditions apply facility-wide:

1. APPENDIX TV-5, TITLE V CONDITIONS, is a part of this permit.  
{Permitting Note: APPENDIX TV-5, TITLE V CONDITIONS, is distributed to the permittee only. Other persons requesting copies of these conditions shall be provided one copy when requested or otherwise appropriate.}
2. **[Not federally enforceable.]** General Pollutant Emission Limiting Standards. Objectionable Odor Prohibited. No person shall cause, suffer, allow, or permit the discharge of air pollutants which cause or contribute to an objectionable odor.  
[Rule 62-296.320(2), F.A.C.]
3. General Particulate Emission Limiting Standards. General Visible Emissions Standard. 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 1515  
Lanham-Seabrook, MD 20703-1515  
Telephone: 301/429-5018
- 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. 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.]
6. General Pollutant Emission Limiting Standards. Volatile Organic Compounds (VOC) Emissions or Organic Solvents (OS) Emissions. The permittee shall allow no person to store, pump, handle, process, load, unload or use in any process or installation, volatile organic compounds (VOC) or organic solvents (OS) without applying known and existing vapor emission control devices or systems deemed necessary and ordered by the Department.  
"Nothing was deemed necessary and ordered at this time."  
[Rule 62-296.320(1)(a), F.A.C.; and, Title V permit application received September 19, 2005]

**7. Emissions of Unconfined Particulate Matter.** Pursuant to Rule 62-296.320(4)(c), F.A.C., and the application, this facility has no emissions of unconfined particulate matter (see Condition 57. of APPENDIX TV-5, TITLE V CONDITIONS).

[Rule 62-296.320(4)(c), F.A.C.; and, Title V permit application received September 19, 2005]

**8.** 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.]

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

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

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

**10.** 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  
13051 North Telecom Parkway  
Temple Terrace, Florida 33637-0926  
Telephone: 813/632-7600  
Fax: 813/632-7668

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

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

**12. 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.]



**13. Initial Compliance Demonstration Required:** An emissions unit that is subject to any emission limiting standard shall conduct an initial compliance test that demonstrates compliance with the applicable emission limiting standard during the 2005 – 2006 processing season.  
[Rules 62-4.070(3) and 62-210.300(1)(a), F.A.C.]

**14. Fruit Throughput Limited:** The owner or operator shall not process more than 10.0 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. The owner or operator shall make and maintain monthly and rolling 12 month records of fruit processing rates to demonstrate compliance with this limitation. Such records shall be made from daily processing records and shall be completed no later than the 10<sup>th</sup> day of each following month.  
[Rule 62-4.070(3), F.A.C. and 1050045-010-AC]

**15. 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 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:

$$\text{Compliance Indicator} = \text{OIF}(1 - K1) - \text{OPP} + \text{ODP}$$

Equation 2:

$$\text{Compliance Indicator} = \text{OJ} + \text{CPO} + \text{EO} + \text{DL} + \text{ODP} - K1(\text{OIF})$$

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.

[1050045-010-AC]

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

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

<u>E.U. ID No.</u>	<u>Brief Description</u>
-006	Two Citrus Peel Dryers Vented to One Waste Heat Evaporator

Two citrus dryers exhaust through one waste heat evaporator (WHE). Waste citrus peel and pulp ("wet peel") are pressed to remove oils and some water. This press liquor is concentrated (termed "citrus molasses") using waste heat from the dryer(s), and is added to the dried peel as a binder for pelletizing. The peel discharged from the press ("pressed peel") is then fed to the dryer(s) for removal of remaining water.

The primary dryer is designed to evaporate a maximum of 60,000 pounds per hour of water. The secondary dryer is designed to evaporate a maximum of 30,000 pounds per hour of water. Maximum heat input for both dryers is 100 million Btu per hour. The primary dryer processes a total maximum of 90,000 pounds per hour of pressed peel (including water). The secondary dryer processes a total design maximum of 45,000 pounds per hour of pressed peel (including water). The evaporator processes a maximum of approximately 100,000 pounds per hour of liquid waste and converts it to approximately 29,630 pounds per hour of citrus molasses. Approximately 26,620 pounds per hour of dry feed containing approximately 10 percent moisture is produced.

Particulate matter emissions are reduced in the waste heat evaporator during the continuous washing of the waste heat evaporator's tubes. Primary removal of particulate matter is accomplished by use of a cyclone common to both dryers. Particulate matter emissions are vented to the atmosphere through the evaporator stack. In the event of an emergency, emissions are vented to a relief stack.

{Permitting note(s): These emissions units are regulated under Rule 62-210.300, F.A.C., Permits Required, and the applicable requirements of 1050045-010-AC.}

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

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

**A.1. Permitted Capacity.** The maximum total heat input rate shall not exceed 100.0 million Btu per hour, heat input, for both citrus peel dryers.  
[Rules 62-4.160(2) and 62-210.200(PTE), F.A.C.; and 1050045-010-AC]

**A.2. Methods of Operation - (i.e., Fuels).** Only natural gas shall be fired in these units.  
[Rule 62-213.410, F.A.C.; and, 1050045-010-AC]

**A.3. Hours of Operation.** These emissions units are allowed to operate, as necessary, to process 10.0 million boxes of citrus fruit in any consecutive 12 month period.  
[Rules 62-4.160(2) and 62-210.200(PTE), F.A.C.; and, 1050045-010-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.}

### **Emission Limitations and Standards**

{Permitting Note: 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.}

{Permitting Note: Unless otherwise specified, the averaging times for Specific Conditions A.4. - A.5. are based on the specified averaging time of the applicable test method.}

**A.4. PM/PM<sub>10</sub>.** PM/PM<sub>10</sub> emissions shall not exceed 15.0 pounds per hour.  
[1050045-010-AC]

**A.5. Visible Emissions.** Visible emissions shall not exceed 20 percent opacity.  
[1050045-010-AC]

### **Excess Emissions**

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

**A.6.** 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.7.** 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: 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.}

**A.8. Required Number of Test Runs.** For mass emission limitations, a compliance test shall consist of three complete and separate determinations of the total air pollutant emission rate through the test section of the stack or duct and three complete and separate determinations of any applicable process variables corresponding to the three distinct time periods during which the stack emission rate was measured; provided, however, that three complete and separate

determinations shall not be required if the process variables are not subject to variation during a compliance test, or if three determinations are not necessary in order to calculate the unit's emission rate. The three required test runs shall be completed within one consecutive five-day period. In the event that a sample is lost or one of the three runs must be discontinued because of circumstances beyond the control of the owner or operator, and a valid third run cannot be obtained within the five day period allowed for the test, the Secretary or his or her designee may accept the results of the two complete runs as proof of compliance, provided that the arithmetic mean of the results of the two complete runs is at least 20 percent below the allowable emission limiting standard.

[Rule 62-297.310(1), F.A.C.]

**A.9. PM/PM<sub>10</sub>.** The test method for PM/PM<sub>10</sub> shall be EPA Method 5, incorporated in Chapter 62-297, F.A.C.

[Rules 62-213.440 and 62-297.401, F.A.C.]

**A.10. Visible emissions.** The test method for visible emissions shall be EPA Method 9, incorporated in Chapter 62-297, F.A.C.

[Rules 62-213.440 and 62-297.401, F.A.C.]

**A.11. Operating Rate During Testing.** Testing of emissions shall be conducted with the emissions unit operation at permitted capacity, which is defined as 90 to 100 percent of the maximum operation rate allowed by the permit. If it is impracticable to test at permitted capacity, an emissions unit may be tested at less than the minimum permitted capacity; in this case, subsequent emissions unit operation is limited to 110 percent of the test load until a new test is conducted. Once the emissions 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.

[Rules 62-297.310(2) & (2)(b), F.A.C.]

**A.12. Calculation of Emission Rate.** The indicated emission rate or concentration shall be the arithmetic average of the emission rate or concentration determined by each of the three separate test runs unless otherwise specified in a particular test method or applicable rule.

[Rule 62-297.310(3), F.A.C.]

**A.13. Applicable Test Procedures.**

(a) Required Sampling Time.

1. Unless otherwise specified in the applicable rule, the required sampling time for each test run shall be no less than one hour and no greater than four hours, and the sampling time at each sampling point shall be of equal intervals of at least two minutes.
2. Opacity Compliance Tests. When either EPA Method 9 or DEP Method 9 is specified as the applicable opacity test method, the required minimum period of observation for a compliance test shall be sixty (60) minutes for emissions units which emit or have the potential to emit 100 tons per year or more of particulate matter, and thirty (30) minutes for emissions units which have potential emissions less than 100 tons per year of particulate matter and are not subject to a multiple-valued opacity standard. The opacity test observation period shall include the period during which the highest opacity emissions can reasonably be expected to occur. Exceptions to these requirements are as follows:

- c. The minimum observation period for opacity tests conducted by employees or agents of the Department to verify the day-to-day continuing compliance of a unit or activity with an applicable opacity standard shall be twelve minutes.
- (b) Minimum Sample Volume. Unless otherwise specified in the applicable rule, the minimum sample volume per run shall be 25 dry standard cubic feet.
- (c) Required Flow Rate Range. For EPA Method 5 particulate sampling, acid mist/sulfur dioxide, and fluoride sampling which uses Greenburg Smith type impingers, the sampling nozzle and sampling time shall be selected such that the average sampling rate will be between 0.5 and 1.0 actual cubic feet per minute, and the required minimum sampling volume will be obtained.
- (d) Calibration of Sampling Equipment. Calibration of the sampling train equipment shall be conducted in accordance with the schedule shown in Table 297.310-1. See attachment **TABLE 297.310-1, CALIBRATION SCHEDULE**.
- (e) Allowed Modification to EPA Method 5. When EPA Method 5 is required, the following modification is allowed: the heated filter may be separated from the impingers by a flexible tube. [Rule 62-297.310(4), F.A.C.]

**A.14. Stack Sampling Facilities Provided by the Owner of an Emissions Unit.** See attachment **APPENDIX SS-1, STACK SAMPLING FACILITIES**.  
[Rule 62-297.310(6), F.A.C.]

**A.15. Frequency of Compliance Tests.** The following provisions apply only to those emissions units that are subject to an emissions limiting standard for which compliance testing is required.

(a) General Compliance Testing.

3. The owner or operator of an emissions unit that is subject to any emission limiting standard shall conduct a compliance test that demonstrates compliance with the applicable emission limiting standard prior to obtaining a renewed operation permit. Emissions units that are required to conduct an annual compliance test may submit the most recent annual compliance test to satisfy the requirements of this provision. In renewing an air operation permit pursuant to Rule 62-210.300(2)(a)3.b., c., or d., F.A.C., the Department shall not require submission of emission compliance test results for any emissions unit that, during the year prior to renewal:

- a. Did not operate; or
- b. In the case of a fuel burning emissions unit, burned liquid and/or solid fuel for a total of no more than 400 hours.

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

- a. Visible emissions, if there is an applicable standard;

9. The owner or operator shall notify the Department, at least 15 days prior to the date on which each formal compliance test is to begin, of the date, time, and place of each such test, and the test contact person who will be responsible for coordinating and having such test conducted for the owner or operator.

(b) Special Compliance Tests. When the Department, after investigation, has good reason (such as complaints, increased visible emissions or questionable maintenance of control equipment) to believe that any applicable emission standard contained in a Department rule or in a permit issued pursuant to those rules is being violated, it may require the owner or operator of the emissions unit to conduct compliance tests which identify the nature and quantity of pollutant emissions from the emissions unit and to provide a report on the results of said tests to the Department.

(c) Waiver of Compliance Test Requirements. If the owner or operator of an emissions unit that is subject to a compliance test requirement demonstrates to the Department, pursuant to the procedure established in Rule 62-297.620, F.A.C., that the compliance of the emissions unit with an applicable weight emission limiting standard can be adequately determined by means other than the designated test procedure, such as specifying a surrogate standard of no visible emissions for particulate matter sources equipped with a bag house or specifying a fuel analysis for sulfur dioxide emissions, the Department shall waive the compliance test requirements for such emissions units and order that the alternate means of determining compliance be used, provided, however, the provisions of Rule 62-297.310(7)(b), F.A.C., shall apply.  
[Rule 62-297.310(7), F.A.C.; and, SIP approved]

### **Monitoring of Operations**

#### **A.16. Determination of Process Variables.**

(a) Required Equipment. The owner or operator of an emissions unit for which compliance tests are required shall install, operate, and maintain equipment or instruments necessary to determine process variables, such as process weight input or heat input, when such data are needed in conjunction with emissions data to determine the compliance of the emissions unit with applicable emission limiting standards.

(b) Accuracy of Equipment. Equipment or instruments used to directly or indirectly determine process variables, including devices such as belt scales, weight hoppers, flow meters, and tank scales, shall be calibrated and adjusted to indicate the true value of the parameter being measured with sufficient accuracy to allow the applicable process variable to be determined within 10 percent of its true value.

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

### **Recordkeeping and Reporting Requirements**

**A.17. Excess Emissions Reporting.** In case of excess emissions resulting from malfunctions, each owner or operator shall notify the Department or the appropriate Local Program in accordance with Rule 62-4.130, 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. Test Reports.**

(a) The owner or operator of an emissions unit for which a compliance test is required shall file a report with the Department on the results of each such test.

(b) The required test report shall be filed with the Department as soon as practical but no later than 45 days after the last sampling run of each test is completed.

(c) The test report shall provide sufficient detail on the emissions unit tested and the test procedures used to allow the Department to determine if the test was properly conducted and the test results properly computed. As a minimum, the test report, other than for an EPA or DEP Method 9 test, shall provide the following information:

1. The type, location, and designation of the emissions unit tested.
2. The facility at which the emissions unit is located.
3. The owner or operator of the emissions unit.

4. The normal type and amount of fuels used and materials processed, and the types and amounts of fuels used and material processed during each test run.
  5. The means, raw data and computations used to determine the amount of fuels used and materials processed, if necessary to determine compliance with an applicable emission limiting standard.
  6. The type of air pollution control devices installed on the emissions unit, their general condition, their normal operating parameters (pressure drops, total operating current and GPM scrubber water), and their operating parameters during each test run.
  7. A sketch of the duct within 8 stack diameters upstream and 2 stack diameters downstream of the sampling ports, including the distance to any upstream and downstream bends or other flow disturbances.
  8. The date, starting time and duration of each sampling run.
  9. The test procedures used, including any alternative procedures authorized pursuant to Rule 62-297.620, F.A.C. Where optional procedures are authorized in this chapter, indicate which option was used.
  10. The number of points sampled and configuration and location of the sampling plane.
  11. For each sampling point for each run, the dry gas meter reading, velocity head, pressure drop across the stack, temperatures, average meter temperatures and sample time per point.
  12. The type, manufacturer and configuration of the sampling equipment used.
  13. Data related to the required calibration of the test equipment.
  14. Data on the identification, processing and weights of all filters used.
  15. Data on the types and amounts of any chemical solutions used.
  16. Data on the amount of pollutant collected from each sampling probe, the filters, and the impingers, are reported separately for the compliance test.
  17. The names of individuals who furnished the process variable data, conducted the test, analyzed the samples and prepared the report.
  18. All measured and calculated data required to be determined by each applicable test procedure for each run.
  19. The detailed calculations for one run that relate the collected data to the calculated emission rate.
  20. The applicable emission standard, and the resulting maximum allowable emission rate for the emissions unit, plus the test result in the same form and unit of measure.
  21. A certification that, to the knowledge of the owner or his authorized agent, all data submitted are true and correct. When a compliance test is conducted for the Department or its agent, the person who conducts the test shall provide the certification with respect to the test procedures used. The owner or his authorized agent shall certify that all data required and provided to the person conducting the test are true and correct to his knowledge.
- [Rules 62-213.440 and 62-297.310(8), F.A.C.]

**A.19.** 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 fuel used and the hours of operation. The logs shall be maintained on file and shall be made available to the Department upon request.

[1050045-010-AC]

**A.20.** All recorded data shall be maintained on file by the owner or operator for a period of five years.

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



**Best Management Practices**

**A.21. Best Management Practices for Carbon Monoxide:** Each facility shall operate its citrus peel dryers 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. Each 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. Each facility shall:

1. 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;
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. 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;
6. Make burner and burner control adjustments on an annual basis, or more frequently as required by visual checks;
7. 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;
8. 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
9. Document maintenance performed on equipment, and all normal processing equipment and operating practices changes.

[1050045-010-AC]

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

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

<u>E.U. ID No.</u>	<u>Brief Description</u>
-007	Citrus Peel Pellet Cooler

The pellet mill cooler has a maximum design utilization rate of dried citrus pellets of 14.0 tons per hour. Dried citrus peel from the feed mill dryer is sent to the pellet mill cooler where molasses is added and it is cooled and formed into pellets for use as an animal feed supplement. Particulate emissions from the cooler are controlled by 1 small cyclone and 1 large cyclone. Each cyclone has its own emission stack.

{Permitting note(s): This emissions unit is regulated under Rule 62-210.300, F.A.C., Permits Required, and the applicable requirements of 1050045-010-AC.}

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

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

**B.1. Permitted Capacity.** The capacity of the pellet cooler is determined by the capacity of the operating citrus peel dryers.

[Rules 62-4.160(2) and 62-210.200(PTE), F.A.C.; and, 1050045-010-AC]

{Permitting note: The pellet cooler input is equal to the output of dried peel from the peel dryers.}

**B.2. Hours of Operation.** This emissions unit is allowed to operate, as necessary, to process 10.0 million boxes of citrus fruit in any consecutive 12 month period.

[Rules 62-4.160(2) and 62-210.200(PTE), F.A.C.; and, 1050045-010-AC]

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

##### Emission Limitations and Standards

{Permitting Note: 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.}

{Permitting Note: 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. PM/PM<sub>10</sub>.** PM/PM<sub>10</sub> emissions shall not exceed 5.0 pounds per hour.  
[1050045-010-AC]

**B.4. Visible Emissions.** Visible emissions shall not exceed 5 percent opacity.  
[1050045-010-AC]

### **Excess Emissions**

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

**B.5.** 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 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: 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.}

**B.7. Required Number of Test Runs.** For mass emission limitations, a compliance test shall consist of three complete and separate determinations of the total air pollutant emission rate through the test section of the stack or duct and three complete and separate determinations of any applicable process variables corresponding to the three distinct time periods during which the stack emission rate was measured; provided, however, that three complete and separate determinations shall not be required if the process variables are not subject to variation during a compliance test, or if three determinations are not necessary in order to calculate the unit's emission rate. The three required test runs shall be completed within one consecutive five-day period. In the event that a sample is lost or one of the three runs must be discontinued because of circumstances beyond the control of the owner or operator, and a valid third run cannot be obtained within the five day period allowed for the test, the Secretary or his or her designee may accept the results of the two complete runs as proof of compliance, provided that the arithmetic mean of the results of the two complete runs is at least 20 percent below the allowable emission limiting standard.  
[Rule 62-297.310(1), F.A.C.]

**B.8. PM/PM10.** Tests for particulate matter and particulate matter of 10 microns or less may be conducted using United States Environmental Protection Agency Method 5, provided that all measured particulate matter is assumed to be particulate matter of 10 microns or less. 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. 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.  
[1050045-010-AC.]

**B.9. Visible emissions.** The test method for visible emissions shall be EPA Method 9, incorporated in Chapter 62-297, F.A.C.  
[Rules 62-213.440 and 62-297.401, F.A.C.]

**B.10. Operating Rate During Testing.** Testing of emissions shall be conducted with the emissions unit operation at permitted capacity, which is defined as 90 to 100 percent of the maximum operation rate allowed by the permit. If it is impracticable to test at permitted capacity, an emissions unit may be tested at less than the minimum permitted capacity; in this case, subsequent emissions unit operation is limited to 110 percent of the test load until a new test is conducted. Once the emissions 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.  
[Rules 62-297.310(2) & (2)(b), F.A.C.]

**B.11. Calculation of Emission Rate.** The indicated emission rate or concentration shall be the arithmetic average of the emission rate or concentration determined by each of the three separate test runs unless otherwise specified in a particular test method or applicable rule.  
[Rule 62-297.310(3), F.A.C.]

**B.12. Applicable Test Procedures.**

(a) **Required Sampling Time.**

1. Unless otherwise specified in the applicable rule, the required sampling time for each test run shall be no less than one hour and no greater than four hours, and the sampling time at each sampling point shall be of equal intervals of at least two minutes.

2. **Opacity Compliance Tests.** When either EPA Method 9 or DEP Method 9 is specified as the applicable opacity test method, the required minimum period of observation for a compliance test shall be sixty (60) minutes for emissions units which emit or have the potential to emit 100 tons per year or more of particulate matter, and thirty (30) minutes for emissions units which have potential emissions less than 100 tons per year of particulate matter and are not subject to a multiple-valued opacity standard. The opacity test observation period shall include the period during which the highest opacity emissions can reasonably be expected to occur. Exceptions to these requirements are as follows:

c. The minimum observation period for opacity tests conducted by employees or agents of the Department to verify the day-to-day continuing compliance of a unit or activity with an applicable opacity standard shall be twelve minutes.

(b) **Minimum Sample Volume.** Unless otherwise specified in the applicable rule, the minimum sample volume per run shall be 25 dry standard cubic feet.

(c) **Required Flow Rate Range.** For EPA Method 5 particulate sampling, acid mist/sulfur dioxide, and fluoride sampling which uses Greenburg Smith type impingers, the sampling nozzle and sampling time shall be selected such that the average sampling rate will be between 0.5 and 1.0 actual cubic feet per minute, and the required minimum sampling volume will be obtained.

(d) **Calibration of Sampling Equipment.** Calibration of the sampling train equipment shall be conducted in accordance with the schedule shown in Table 297.310-1. See attachment **TABLE 297.310-1, CALIBRATION SCHEDULE.**

(e) Allowed Modification to EPA Method 5. When EPA Method 5 is required, the following modification is allowed: the heated filter may be separated from the impingers by a flexible tube. [Rule 62-297.310(4), F.A.C.]

**B.13. Stack Sampling Facilities Provided by the Owner of an Emissions Unit.** See attachment **APPENDIX SS-1, STACK SAMPLING FACILITIES.**  
[Rule 62-297.310(6), F.A.C.]

**B.14. Frequency of Compliance Tests.** The following provisions apply only to those emissions units that are subject to an emissions limiting standard for which compliance testing is required.

(a) General Compliance Testing.

3. The owner or operator of an emissions unit that is subject to any emission limiting standard shall conduct a compliance test that demonstrates compliance with the applicable emission limiting standard prior to obtaining a renewed operation permit. Emissions units that are required to conduct an annual compliance test may submit the most recent annual compliance test to satisfy the requirements of this provision. In renewing an air operation permit pursuant to Rule 62-210.300(2)(a)3.b., c., or d., F.A.C., the Department shall not require submission of emission compliance test results for any emissions unit that, during the year prior to renewal:

a. Did not operate.

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

a. Visible emissions, if there is an applicable standard.

9. The owner or operator shall notify the Department, at least 15 days prior to the date on which each formal compliance test is to begin, of the date, time, and place of each such test, and the test contact person who will be responsible for coordinating and having such test conducted for the owner or operator.

(b) Special Compliance Tests. When the Department, after investigation, has good reason (such as complaints, increased visible emissions or questionable maintenance of control equipment) to believe that any applicable emission standard contained in a Department rule or in a permit issued pursuant to those rules is being violated, it may require the owner or operator of the emissions unit to conduct compliance tests which identify the nature and quantity of pollutant emissions from the emissions unit and to provide a report on the results of said tests to the Department.

(c) Waiver of Compliance Test Requirements. If the owner or operator of an emissions unit that is subject to a compliance test requirement demonstrates to the Department, pursuant to the procedure established in Rule 62-297.620, F.A.C., that the compliance of the emissions unit with an applicable weight emission limiting standard can be adequately determined by means other than the designated test procedure, such as specifying a surrogate standard of no visible emissions for particulate matter sources equipped with a bag house or specifying a fuel analysis for sulfur dioxide emissions, the Department shall waive the compliance test requirements for such emissions units and order that the alternate means of determining compliance be used, provided, however, the provisions of Rule 62-297.310(7)(b), F.A.C., shall apply.  
[Rule 62-297.310(7), F.A.C.; and, SIP approved]

**Monitoring of Operations**

**B.15. Determination of Process Variables.**

(a) Required Equipment. The owner or operator of an emissions unit for which compliance tests are required shall install, operate, and maintain equipment or instruments necessary to determine process variables, such as process weight input or heat input, when such data are needed in conjunction with emissions data to determine the compliance of the emissions unit with applicable emission limiting standards.

(b) Accuracy of Equipment. Equipment or instruments used to directly or indirectly determine process variables, including devices such as belt scales, weight hoppers, flow meters, and tank scales, shall be calibrated and adjusted to indicate the true value of the parameter being measured with sufficient accuracy to allow the applicable process variable to be determined within 10 percent of its true value.

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

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

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

<u>E.U. ID No.</u>	<u>Brief Description</u>
-010	1,000 Horsepower Johnson Boiler #1
-011	1,000 Horsepower Johnson Boiler #2

These emissions units are new process steam boilers that are installed to serve as a source of steam to meet citrus processing needs. Each boiler is limited to a physical capacity of 41.63 million Btu per hour using only natural gas.

{Permitting note(s): These emissions units are regulated under Rule 62-296.406, F.A.C., Fossil Fuel Steam Generators with less than 250 Million Btu per Hour Heat Input and 40 CFR 60, Subpart Dc - Standards of Performance for Small Industrial-Commercial-Institutional Steam Generating Units, adopted and incorporated by reference in Rule 62-204.800(7)(b), F.A.C.}

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

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

**C.1. Permitted Capacity.** The capacity of each emissions unit shall not exceed 41.63 million Btu per hour, heat input.

[Rules 62-4.160(2) and 62-210.200(PTE), F.A.C.; and, 1050045-010-AC]

**C.2. Methods of Operation - (i.e., Fuels).** Only natural gas shall be fired in these units.

[Rule 62-213.410, F.A.C.; and, 1050045-010-AC]

**C.3. Hours of Operation.** These emissions units are allowed to operate continuously, i.e., 8,760 hours/year.

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

#### Emission Limitations and Standards

{Permitting Note: 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.}

{Permitting Note: Unless otherwise specified, the averaging times for Specific Conditions C.4. - C.6.. are based on the specified averaging time of the applicable test method.}

**C.4. Particulate Matter.** Particulate matter shall be limited by firing natural gas.

[Rule 62-296.406(2), F.A.C.; and, 1050045-010-AC]

**C.5. Sulfur Dioxide.** Sulfur dioxide shall be limited by firing natural gas.  
[Rule 62-296.406(2), F.A.C.; and, 1050045-010-AC]

**C.6. 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.; and, 1050045-010-AC]

### **Excess Emissions**

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

**C.7.** Excess emissions resulting from 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 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 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: 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.}

**C.10. Particulate Matter.** Compliance with the particulate matter standard is demonstrated by firing only natural gas.  
[1050045-010-AC]

**C.11. Sulfur Dioxide.** Compliance with the sulfur dioxide standard is demonstrated by firing only natural gas.  
[1050045-010-AC]

**C.12. Visible emissions.** The test method for visible emissions shall be EPA Method 9, incorporated in Chapter 62-297, F.A.C.  
[1050045-010-AC]



**C.13. Operating Rate During Testing.** Testing of emissions shall be conducted with the emissions unit operation at permitted capacity, which is defined as 90 to 100 percent of the maximum operation rate allowed by the permit. If it is impracticable to test at permitted capacity, an emissions unit may be tested at less than the minimum permitted capacity; in this case, subsequent emissions unit operation is limited to 110 percent of the test load until a new test is conducted. Once the emissions 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.

[Rules 62-297.310(2) & (2)(b), F.A.C.]

**C.14. Applicable Test Procedures.**

**(a) Required Sampling Time.**

2. Opacity Compliance Tests. When either EPA Method 9 or DEP Method 9 is specified as the applicable opacity test method, the required minimum period of observation for a compliance test shall be sixty (60) minutes for emissions units which emit or have the potential to emit 100 tons per year or more of particulate matter, and thirty (30) minutes for emissions units which have potential emissions less than 100 tons per year of particulate matter and are not subject to a multiple-valued opacity standard. The opacity test observation period shall include the period during which the highest opacity emissions can reasonably be expected to occur. Exceptions to these requirements are as follows:

- c. The minimum observation period for opacity tests conducted by employees or agents of the Department to verify the day-to-day continuing compliance of a unit or activity with an applicable opacity standard shall be twelve minutes.

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

**C.15. Frequency of Compliance Tests.** The following provisions apply only to those emissions units that are subject to an emissions limiting standard for which compliance testing is required.

**(a) General Compliance Testing.**

3. The owner or operator of an emissions unit that is subject to any emission limiting standard shall conduct a compliance test that demonstrates compliance with the applicable emission limiting standard prior to obtaining a renewed operation permit. Emissions units that are required to conduct an annual compliance test may submit the most recent annual compliance test to satisfy the requirements of this provision. In renewing an air operation permit pursuant to Rule 62-210.300(2)(a)3.b., c., or d., F.A.C., the Department shall not require submission of emission compliance test results for any emissions unit that, during the year prior to renewal:

- a. Did not operate; or
- b. In the case of a fuel burning emissions unit, burned liquid and/or solid fuel for a total of no more than 400 hours.

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

- a. Visible emissions, if there is an applicable standard;

9. The owner or operator shall notify the Department, at least 15 days prior to the date on which each formal compliance test is to begin, of the date, time, and place of each such test, and the test contact person who will be responsible for coordinating and having such test conducted for the owner or operator.

**(b) Special Compliance Tests.** When the Department, after investigation, has good reason (such as complaints, increased visible emissions or questionable maintenance of control equipment) to

believe that any applicable emission standard contained in a Department rule or in a permit issued pursuant to those rules is being violated, it may require the owner or operator of the emissions unit to conduct compliance tests which identify the nature and quantity of pollutant emissions from the emissions unit and to provide a report on the results of said tests to the Department.

(c) Waiver of Compliance Test Requirements. If the owner or operator of an emissions unit that is subject to a compliance test requirement demonstrates to the Department, pursuant to the procedure established in Rule 62-297.620, F.A.C., that the compliance of the emissions unit with an applicable weight emission limiting standard can be adequately determined by means other than the designated test procedure, such as specifying a surrogate standard of no visible emissions for particulate matter sources equipped with a bag house or specifying a fuel analysis for sulfur dioxide emissions, the Department shall waive the compliance test requirements for such emissions units and order that the alternate means of determining compliance be used, provided, however, the provisions of Rule 62-297.310(7)(b), F.A.C., shall apply.  
[Rule 62-297.310(7), F.A.C.; and, SIP approved]

### **Monitoring of Operations**

#### **C.16. Determination of Process Variables.**

(a) Required Equipment. The owner or operator of an emissions unit for which compliance tests are required shall install, operate, and maintain equipment or instruments necessary to determine process variables, such as process weight input or heat input, when such data are needed in conjunction with emissions data to determine the compliance of the emissions unit with applicable emission limiting standards.

(b) Accuracy of Equipment. Equipment or instruments used to directly or indirectly determine process variables, including devices such as belt scales, weight hoppers, flow meters, and tank scales, shall be calibrated and adjusted to indicate the true value of the parameter being measured with sufficient accuracy to allow the applicable process variable to be determined within 10 percent of its true value.

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

### **Recordkeeping and Reporting Requirements**

**C.17. Excess Emissions Reporting**. In case of excess emissions resulting from malfunctions, each owner or operator shall notify the Department or the appropriate local program in accordance with Rule 62-4.130, 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.]

**C.18.** 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 fuel used; and, the hours of operation. The logs shall be maintained on file and shall be made available to the Department upon request.

[1050045-010-AC]

**C.19.** All recorded data shall be maintained on file by the owner or operator for a period of five years.

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

**C.20. Test Reports.**

(a) The owner or operator of an emissions unit for which a compliance test is required shall file a report with the Department on the results of each such test.

(b) The required test report shall be filed with the Department as soon as practical but no later than 45 days after the last sampling run of each test is completed.

(c) The test report shall provide sufficient detail on the emissions unit tested and the test procedures used to allow the Department to determine if the test was properly conducted and the test results properly computed. As a minimum, the test report, other than for an EPA or DEP Method 9 test, shall provide the following information:

1. The type, location, and designation of the emissions unit tested.
2. The facility at which the emissions unit is located.
3. The owner or operator of the emissions unit.
4. The normal type and amount of fuels used and materials processed, and the types and amounts of fuels used and material processed during each test run.
5. The means, raw data and computations used to determine the amount of fuels used and materials processed, if necessary to determine compliance with an applicable emission limiting standard.
6. The type of air pollution control devices installed on the emissions unit, their general condition, their normal operating parameters (pressure drops, total operating current and GPM scrubber water), and their operating parameters during each test run.
7. A sketch of the duct within 8 stack diameters upstream and 2 stack diameters downstream of the sampling ports, including the distance to any upstream and downstream bends or other flow disturbances.
8. The date, starting time and duration of each sampling run.
9. The test procedures used, including any alternative procedures authorized pursuant to Rule 62-297.620, F.A.C. Where optional procedures are authorized in this chapter, indicate which option was used.
10. The number of points sampled and configuration and location of the sampling plane.
11. For each sampling point for each run, the dry gas meter reading, velocity head, pressure drop across the stack, temperatures, average meter temperatures and sample time per point.
12. The type, manufacturer and configuration of the sampling equipment used.
13. Data related to the required calibration of the test equipment.
14. Data on the identification, processing and weights of all filters used.
15. Data on the types and amounts of any chemical solutions used.
16. Data on the amount of pollutant collected from each sampling probe, the filters, and the impingers, are reported separately for the compliance test.
17. The names of individuals who furnished the process variable data, conducted the test, analyzed the samples and prepared the report.
18. All measured and calculated data required to be determined by each applicable test procedure for each run.
19. The detailed calculations for one run that relate the collected data to the calculated emission rate.
20. The applicable emission standard, and the resulting maximum allowable emission rate for the emissions unit, plus the test result in the same form and unit of measure.

21. A certification that, to the knowledge of the owner or his authorized agent, all data submitted are true and correct. When a compliance test is conducted for the Department or its agent, the person who conducts the test shall provide the certification with respect to the test procedures used. The owner or his authorized agent shall certify that all data required and provided to the person conducting the test are true and correct to his knowledge.  
[Rules 62-213.440 and 62-297.310(8), F.A.C.]

### **Best Management Practices**

**C.21. Best Management Practices for Carbon Monoxide.** Each 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. Each 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. Each 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.

[1050045-010-AC]

### **NSPS REQUIREMENTS**

*{Note: The preceding emissions limits are at least as stringent as those specified in 40 CFR 60, Subpart Dc.}*

#### **Subpart A-General Provisions**

**C.22. Required Records.** Any owner or operator subject to the provisions of this part shall maintain records of the occurrence and duration of any startup, shutdown, or malfunction in the operation of an affected facility; any malfunction of the air pollution control equipment; or any periods during which a continuous monitoring system or monitoring device is inoperative.  
[40 CFR 60.7(b)]

**C.23. Records Retention.** Any owner or operator subject to the provisions of this part shall maintain a file of all measurements, including continuous monitoring system, monitoring device, and performance testing measurements; all continuous monitoring system performance evaluations; all continuous monitoring system or monitoring device calibration checks; adjustments and maintenance performed on these systems or devices; and, all other information required by 40 CFR 60 recorded in a permanent form suitable for inspection. The file shall be retained for at least two years following the date of such measurements, maintenance, reports, and records.

[40 CFR 60.7(f)]

**C.24.** At all times, including periods of start-up, shutdown, and malfunction owners or operators shall, to the extent practicable, maintain and operate any affected facility including associated air pollution control equipment in a manner consistent with good air pollution control practice for minimizing emissions. Determination of whether acceptable operating and maintenance procedures are being used will be based on the information available to the Administrator which may include, but is not limited to, monitoring results, opacity observations, review of operating and maintenance procedures, and inspection of the source.

[40 CFR 60.11(d)]

**C.25. Credible Evidence.** For the purpose of submitting compliance certifications or establishing whether or not a person has violated or is in violation of any standard in 40 CFR 60, nothing in 40 CFR 60 shall preclude the use, including the exclusive use, of any credible evidence or information, relevant to whether a source would have been in compliance with applicable requirements if the appropriate performance or compliance test or procedure had been performed.

[40 CFR 60.11(g)]

**C.26. Circumvention.** No owner or operator subject to the provisions of 40 CFR 60 shall build, erect, install, or use any article, machine, equipment or process, the use of which conceals an emission which would otherwise constitute a violation of an applicable standard. Such concealment includes, but is not limited to, the use of gaseous diluents to achieve compliance with an opacity standard or with a standard which is based on the concentration of a pollutant in the gases discharged to the atmosphere.

[40 CFR 60.12]

**C.27.** Except as provided under 40 CFR 60.14(e) and 40 CFR 60.14(f), any physical or operational change to an existing facility which results in an increase in the emission rate to the atmosphere of any pollutant to which a standard applies shall be considered a modification within the meaning of section 111 of the Act. Upon modification, an existing facility shall become an affected facility for each pollutant to which a standard applies and for which there is an increase in the emission rate to the atmosphere.

[40 CFR 60.14(a)]

**C.28.** The addition of an affected facility to a stationary source as an expansion to that source or as a replacement for an existing facility shall not by itself bring within the applicability of 40 CFR 60 any other facility within that source.

[40 CFR 60.14(c)]

**C.29.** The following shall not, by themselves, be considered modifications under 40 CFR 60:

- (1) Maintenance, repair, and replacement which the Administrator determines to be routine for a source category, subject to the provisions of 40 CFR 60.14(c) and 40 CFR 60.15.
- (2) An increase in production rate of an existing facility, if that increase can be accomplished without a capital expenditure on that facility.
- (3) An increase in the hours of operation.
- (4) Use of an alternative fuel or raw material if, prior to the date any standard under 40 CFR 60 becomes applicable to that source type, as provided by 40 CFR 60.1, the existing facility was designed to accommodate that alternative use. A facility shall be considered to be designed to accommodate an alternative fuel or raw material if that use could be accomplished under the facility's construction specifications as amended prior to the change. Conversion to coal required for energy considerations, as specified in section 111(a)(8) of the Act, shall not be considered a modification.
- (5) The addition or use of any system or device whose primary function is the reduction of air pollutants, except when an emission control system is removed or is replaced by a system which the Administrator determines to be less environmentally beneficial.
- (6) The relocation or change in ownership of an existing facility.

[40 CFR 60.14(e)]

**C.30.** Special provisions set forth under an applicable subpart of 40 CFR 60 shall supersede any conflicting provisions of this section.

[40 CFR 60.14(f)]

**C.31.** Within 180 days of the completion of any physical or operational change subject to the control measures specified in 40 CFR 60.14(a), compliance with all applicable standards must be achieved.

[40 CFR 60.14(g)]

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

### **Applicability and Delegation of Authority.**

**C.32.** The affected facility to which this subpart applies is each steam generating unit for which construction, modification, or reconstruction is commenced after June 9, 1989, and that has a maximum design heat input capacity of 29 megawatts (MW) (100 million Btu per hour (Btu/hr)) or less, but greater than or equal to 2.9 MW (10 million Btu/hr).

[40 CFR 60.40c(a)]

### **Reporting and Recordkeeping Requirements.**

**C.33.** 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)]

**C.34.** All records required under this section shall be maintained by the owner or operator of the affected facility for a period of two years following the date of such record.  
[40 CFR 60.48c(i)]

**C.35.** 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)]

**TABLE 297.310-1 CALIBRATION SCHEDULE**  
(version dated 10/07/96)

[Note: This table is referenced in Rule 62-297.310, F.A.C.]

ITEM	MINIMUM CALIBRATION FREQUENCY	REFERENCE INSTRUMENT	TOLERANCE
Liquid in glass thermometer	Annually	ASTM Hg in glass ref. thermometer or equivalent, or thermometric points	+/-2%
Bimetallic thermometer	Quarterly	Calib. liq. in glass thermometer	5 degrees F
Thermocouple	Annually	ASTM Hg in glass ref. thermometer, NBS calibrated reference and potentiometer	5 degrees F
Barometer	Monthly	Hg barometer or NOAA station	+/-1% scale
Pitot Tube	When required or when damaged	By construction or measurements in wind tunnel D greater than 16" and standard pitot tube	See EPA Method 2, Fig. 2-2 & 2-3
Probe Nozzles	Before each test or when nicked, dented, or corroded	Micrometer	+/-0.001" mean of at least three readings Max. deviation between readings .004"
Dry Gas Meter and Orifice Meter	1. Full Scale: When received, When 5% change observed, Annually	Spirometer or calibrated wet test or dry gas test meter	2%
	2. One Point: Semiannually 3. Check after each test series	Comparison check	5%

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

Bartow Citrus Products, LLC  
Bartow Facility

**FINAL Permit No.:** 1050045-011-AV  
**Facility ID No.:** 1050045

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
[-006]	Two Citrus Peel Dryers Vented to One Waste Heat Evaporator

Pollutant	Fuel(s)	Hours/Year	Allowable Emissions			Equivalent Emissions		Regulatory Citation(s)	See permit condition(s)
			Standard(s)	lbs./hour	TPY	lbs./hour	TPY		
PM/PM10 [Each Dryer]	All	Time to process 10.0 MM boxes		15.0			67.5	1050045-010-AC	A.4.
VE	All	Time to process 10.0 MM boxes	<20% opacity					1050045-010-AC	A.5.

**Notes:**

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

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

Bartow Citrus Products, LLC  
Bartow Facility

**FINAL Permit No.:** 1050045-011-AV  
**Facility ID No.:** 1050045

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
[-007]	Citrus Peel Pellet Cooler

Pollutant Name	Fuel(s)	Hours/Year	Allowable Emissions			Equivalent Emissions		Regulatory Citation(s)	See permit condition(s)
			Standard(s)	lbs./hour	TPY	lbs./hour	TPY		
PM/PM10	All	Time to process 10.0 MM boxes		5.0			11.3	1050045-010-AC	B.3.
VE	All	Time to process 10.0 MM boxes	5%					1050045-010-AC	B.4.
Notes: * The "Equivalent Emissions" listed are for informational purposes only.									

[electronic file name: 10500451.xls]

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

Bartow Citrus Products, LLC  
Bartow Facility

**FINAL Permit No.:** 1050045-011-AV  
**Facility ID No.:** 1050045

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

<b>E.U. ID No.</b>	<b>Brief Description</b>
[-010]	1,000 Horsepower Johnson Boiler #1
[-011]	1,000 Horsepower Johnson Boiler #2

Pollutant Name	Fuel(s)	Hours/Year	Allowable Emissions			Equivalent Emissions		Regulatory Citation(s)	See permit condition(s)
			Standard(s)	lbs./hour	TPY	lbs./hour	TPY		
VE [EU-010]	All	8,760	20% except 27% 6 min/hr					Rule 62-296.406(1)	C.6.
VE [EU -011]	All	8,760	20% except 27% 6 min/hr					Rule 62-296.406(1)	C.6.
<b>Notes:</b> * The "Equivalent Emissions" listed are for informational purposes only.									

[electronic file name: 10500451.xls]

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

Bartow Citrus Products, LLC  
Bartow Facility

**FINAL Permit No.:** 1050045-011-AV  
**Facility ID No.:** 1050045

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

<b>E.U. ID No.</b>	<b>Brief Description</b>
[-006]	Two Citrus Peel Dryers Vented to One Waste Heat Evaporator

Pollutant Name or Parameter	Fuel(s)	Compliance Method	Testing Time	Frequency	Min. Compliance	CMS**	See permit condition(s)
			Frequency	Base Date *	Test Duration		
VE	All	EPA Method 9	Annual		30 min		A.10.
PM/PM10	All	EPA Method 5	Renewal		3 - 1 hr Runs		A.9.

**Notes:**

\* The frequency based date will be established by the initial compliance test date. The frequency base date is for planning purposes only; see Rule 62-297.310, F.A.C.

\*\*CMS [=] continuous monitoring system

[electronic file name: 10500452.xls]

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

Bartow Citrus Products, LLC  
Bartow Facility

**FINAL Permit No.:** 1050045-011-AV  
**Facility ID No.:** 1050045

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**  
[-007]                              Citrus Peel Pellet Cooler

Pollutant Name or Parameter	Fuel(s)	Compliance Method	Testing Time	Frequency Base Date *	Min. Compliance Test Duration	CMS**	See permit condition(s)
			Frequency				
VE	N/A	EPA Method 9	Annual		30 min		B.9.
PM/PM10	N/A	EPA Method 5	if opacity > 5%		3 - 1 hr Runs		B.8.

**Notes:**

\* The frequency based date will be established by the initial compliance test date. The frequency base date is for planning purposes only; see Rule 62-297.310, F.A.C.

\*\*CMS [=] continuous monitoring system

[electronic file name: 10500452.xls]

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

Bartow Citrus Products, LLC  
Bartow Facility

**FINAL Permit No.:** 1050045-011-AV  
**Facility ID No.:** 1050045

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
[-010]	1,000 Horsepower Johnson Boiler #1
[-011]	1,000 Horsepower Johnson Boiler #2

Pollutant Name or Parameter	Fuel(s)	Compliance Method	Testing Time	Frequency	Min. Compliance Test	CMS**	See permit condition(s)
			Frequency	Base Date *	Duration		
VE	All	EPA Method 9	Annual		30 min		C.12.

**Notes:**

\* The frequency based date will be established by the initial compliance test date. The frequency base date is for planning purposes only; see Rule 62-297.310, F.A.C.

\*\*CMS [=] continuous monitoring system

[electronic file name: 10500452.xls]

## Appendix A-1, Abbreviations, Acronyms, Citations, and Identification Numbers (version dated 02/05/97)

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### Abbreviations and Acronyms:

°F: Degrees Fahrenheit  
BACT: Best Available Control Technology  
CFR: Code of Federal Regulations  
DEP: State of Florida, Department of Environmental Protection  
DARM: Division of Air Resource Management  
EPA: United States Environmental Protection Agency  
F.A.C.: Florida Administrative Code  
F.S.: Florida Statute  
ISO: International Standards Organization  
LAT: Latitude  
LONG: Longitude  
MMBtu: Million British thermal units  
MW: Megawatt  
ORIS: Office of Regulatory Information Systems  
SOA: Specific Operating Agreement  
UTM: Universal Transverse Mercator

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### Citations:

*The following examples illustrate the methods used in this permit to abbreviate and cite the references of rules, regulations, guidance memorandums, permit numbers, and ID numbers.*

#### Code of Federal Regulations:

*Example:* [40 CFR 60.334]

Where:	40	reference to	Title 40
	CFR	reference to	Code of Federal Regulations
	60	reference to	Part 60
	60.334	reference to	Regulation 60.334

#### Florida Administrative Code (F.A.C.) Rules:

*Example:* [Rule 62-213, F.A.C.]

Where:	62	reference to	Title 62
	62-213	reference to	Chapter 62-213
	62-213.205	reference to	Rule 62-213.205, F.A.C.

ISO: International Standards Organization refers to those conditions at 288 degrees K, 60 percent relative humidity, and 101.3 kilopascals pressure.

## Appendix A-1, Abbreviations, Acronyms, Citations, and Identification Numbers (version dated 02/05/97) (continued)

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### Identification Numbers:

#### Facility Identification (ID) Number:

*Example:* Facility ID No.: 1050221

*Where:*

105 = 3-digit number code identifying the facility is located in Polk County  
0221 = 4-digit number assigned by state database.

#### Permit Numbers:

*Example:* 1050221-002-AV, or  
1050221-001-AC

*Where:*

AC = Air Construction Permit  
AV = Air Operation Permit (Title V Source)  
105 = 3-digit number code identifying the facility is located in Polk County  
0221 = 4-digit number assigned by permit tracking database  
001 or 002 = 3-digit sequential project number assigned by permit tracking database

*Example:* PSD-FL-185  
PA95-01  
AC53-208321

*Where:*

PSD = Prevention of Significant Deterioration Permit  
PA = Power Plant Siting Act Permit  
AC = Old Air Construction Permit numbering



## **Appendix H-1: Permit History**

Bartow Citrus Products, LLC  
Bartow Facility

**FINAL Permit No.:** 1050045-011-AV  
**Facility ID No.:** 1050045

E.U. ID No.	Description	Permit No.	Effective Date	Expiration Date	Project Type <sup>1</sup>
All	Facility	1050045-009-AG	07/01/2004	07/15/2005	Citrus Statute
All	Facility	1050045-010-AC	02/22/2006	12/31/2006	Construction (repermitting)
All	Facility	1050045-011-AV	04/30/2006	04/30/2011	New (repermitting)

<sup>1</sup> Project Type (select one): Title V: Initial, Revision, Renewal, or Admin. Correction; Construction (new or mod.); or, Extension (AC only).

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

Bartow Citrus Products, LLC  
Bartow Facility

FINAL Permit No.: 1050045-011-AV  
Facility ID No.: 1050045

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

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

### Brief Description of Emissions Units and/or Activities

1. Nitrogen Tanks
2. 55 Gal. Drums of KOH Caustic Cleaner
3. Heat Seal Machine (Electric)
4. Caustic Cleaning of Product Tanks, Lines, Equipment
5. Storage of Caustic
6. Chlorination and Chlorine Cylinders
7. Storage of CS 138 (Iodine Solution)
8. Caustic Make-up Tank
9. Welding (Mig & Acetylene)
10. Air Compressors
11. Minimal Spot Painting (Spray cans touch-up)
12. Rotary Saw Not continuous, occasional cutting to build
13. Refrigeration Equipment
14. Water Base Painting of floors and walls
15. Sodium/Potassium Hydroxide Storage Tank
16. Nitric Acid Storage Tank
17. Sodium Hydroxide Tank
18. Enclosed Blasting Cabinet
19. Pressurized CO<sub>2</sub> Tank
20. Lime Unloading, Handling, Storage and Wet Blending
21. Process, packaging, QA, QC, Research and Environmental Labs
22. Pesticide/Herbicide/Fungicide Application
23. Steam Cleaning
24. Indoor Fugitives
25. Electric Vehicles
26. Transformers, Switchgear, etc.
27. Vacuum Pumps
28. Hydraulic Equipment
29. Maintenance Shop Parts Washer
30. Cooling Tower

31. Dried Pellet Handling
32. Wastewater Disposal
33. Methanol Production from Peel Decomposition

**Friday, Barbara**

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**To:** G2Services@aol.com; Nasca, Mara  
**Cc:** Svec, Ed  
**Subject:** FINAL Title V Permit No.: 1050045-011-AV - Bartow Citrus Products, LLC  
**Attachments:** 1050045.011.AV.F[1].zip

Attached for your records is a zip file for the subject FINAL Title V Permit.

If I may be of further assistance, please feel free to contact me.

Barbara J. Friday  
Planner II  
Bureau of Air Regulation  
(850)921-9524  
[Barbara.Friday@dep.state.fl.us](mailto:Barbara.Friday@dep.state.fl.us)

5/11/2006

## Friday, Barbara

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**From:** Exchange Administrator  
**Sent:** Thursday, May 11, 2006 8:40 AM  
**To:** Friday, Barbara  
**Subject:** Delivery Status Notification (Relay)

**Attachments:** ATT324937.txt; FINAL Title V Permit No.: 1050045-011-AV - Bartow Citrus Products, LLC



ATT324937.txt  
(285 B)



FINAL Title V  
Permit No.: 10...

This is an automatically generated Delivery Status Notification.

Your message has been successfully relayed to the following recipients, but the requested delivery status notifications may not be generated by the destination.

G2Services@aol.com