


Memorandum

Florida Department of Environmental Protection

TO: Michael Cooke
FROM: Trina Vielhauer 
DATE: May 28, 2004
SUBJECT: Louis Dreyfus Citrus, Inc.
New Citrus Peel Dryer and Pellet Cooler

Attached for approval and signature is a final air construction permit to allow Louis Dreyfus Citrus, Inc. to replace the existing 30,000 pounds per hour peel dryer (Emissions Unit I. D. -004) with a new peel dryer capable of drying 60,000 pounds per hour of wet peel; install a second 27 tons per hour pellet cooler; and, to replace the operating hour limitations on the peel dryers and pellet coolers with a cap on total fruit processing at its citrus juice processing plant located at 19100 Southwest Warfield Boulevard, Indiantown, Martin County. The emissions increase was limited to avoid PSD review.

No comments were received during the public comment period.

I recommend your approval and signature.

Attachments

/es

STATE OF FLORIDA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
NOTICE OF FINAL PERMIT

In the Matter of an
Application for Permit by:

Mr. Dave Baldwin, Plant Manager
Louis Dreyfus Citrus, Inc.
19100 Southwest Warfield Boulevard
Indiantown, Florida 34956

DEP File No. 0850002-006-AC
New Citrus Peel Dryer and Pellet Cooler
Martin County

Enclosed is Final Permit Number 0850002-006-AC. This permit authorizes Louis Dreyfus Citrus, Inc. to replace the existing 30,000 pounds per hour peel dryer (Emissions Unit I. D. -004) with a new peel dryer capable of drying 60,000 pounds per hour of wet peel; install a second 27 tons per hour pellet cooler; and, the replacement of the operating hour limitations on the peel dryers and pellet coolers with a cap on total fruit processing at its citrus juice processing plant located at 19100 Southwest Warfield Boulevard, Indiantown, Martin County. This permit is issued pursuant to Chapter 403, Florida Statutes.

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

Executed in Tallahassee, Florida.

Trina L. Vielhauer, Chief
Bureau of Air Regulation

CERTIFICATE OF SERVICE

The undersigned duly designated deputy agency clerk hereby certifies that this Notice of Final Permit (including the Final permit) was sent by certified mail (*) and copies were mailed by U.S. Mail before the close of business on 6/9/04 to the person(s) listed:

Mr. Dave Baldwin, Louis Dreyfus Citrus, Inc. *
Mr. Wayne Griffin, P.E., G2 Services Ltd.
Mr. Tom Tittle, DEP SED

6/9/04 cc: *[Handwritten initials]*
[Handwritten signature]

Clerk Stamp

FILING AND ACKNOWLEDGMENT FILED, on this date, pursuant to §120.52, Florida Statutes, with the designated Department Clerk, receipt of which is hereby acknowledged.

[Handwritten signature]
(Clerk) Friday 6/9/04
(Date)

TECHNICAL EVALUATION AND FINAL DETERMINATION

1 APPLICANT NAME AND ADDRESS

Louis Dreyfus Citrus, Inc.
19100 Southwest Warfield Boulevard
Indiantown, Florida 34956

Authorized Representative: Dave Baldwin, Plant Manager

2 FACILITY DESCRIPTION, PROJECT DETAILS AND RULE APPLICABILITY

The facility is an existing citrus juice processing facility. The project is a request to replace the existing 30,000 pounds per hour peel dryer (Emissions Unit I. D. -004) with a new peel dryer capable of drying 60,000 pounds per hour of wet peel; install a second 27 tons per hour pellet cooler; and, the replacement of the operating hour limitations on the peel dryers and pellet coolers with a cap on total fruit processing. The applicant states that the substitution of 25 million boxes of fruit processed annually for the currently allowable 4,500 annual hours of operation does not constitute a production increase. The applicant did not seek any other relaxation in currently enforceable conditions for its other existing emissions units.

The emissions units addressed by this permit are retired Citrus Peel Dryer No. 1, I.D. 004; new Citrus Peel Dryer No. 1A, I.D. 013; existing Pellet Cooler No. 1, I.D. 008; and, new Pellet Cooler No. 2, I.D. 014.

The emissions increases associated with this project were estimated as follows in tons per year. Offsetting emissions from the removal of Citrus Peel Dryer (# 1), I. D. -004 were assumed in this estimate.

| Pollutant | Net Increase ¹ | PSD Significance | Subject to PSD? |
|----------------------|---------------------------|------------------|-----------------|
| PM/ PM ₁₀ | 0.76/0.76 | 25/15 | No |
| SO ₂ | 0.06 | 40 | No |
| NO _x | 10.0 | 40 | No |
| CO | 8.4 | 100 | No |
| VOC | 0.55 | 40 | No |

¹ Potential emissions (shown as net increase) were estimated by the Department from allowable natural gas usage and AP-42 emission factors (tables 1.4-1 and 1.4-2), assuming a heat content of 1000 Btu/scf of natural gas, given a design heat input capacity of 93.6 MMBtu/hour and an annual fuel limitation of 400 million cubic feet of natural gas in any 12 consecutive months.

The proposed project is subject to preconstruction review requirements under the provisions of Chapter 403, F.S., and Chapters 62-4, 62-204, 62-210, 62-212 and 62-297, F.A.C. The existing facility is located in an area designated, in accordance with Rule 62-204.340, F.A.C., as attainment or unclassifiable for the criteria pollutants ozone, PM₁₀, carbon monoxide, SO₂, nitrogen dioxide and lead. This facility is classified as a Major or Title V Source of air pollution because emissions of at least one regulated air pollutant exceeds 100 tons per year (TPY). The Department has previously found that citrus juice processing facilities such as this facility have potential emissions of VOC exceeding 250 TPY.

This facility is not within an industry included in the list of the 28 Major Facility Categories per Table 212.400-1 of Chapter 62-212, F.A.C. Because emissions are greater than 250 TPY for at least one criteria pollutant (VOC), the facility is also an existing Major Facility with respect to Rule 62-212.400, F.A.C., Prevention of Significant Deterioration (PSD). The net increase in emissions of PM/PM₁₀, NO_x, SO₂, CO and VOC do not exceed the PSD significance levels of Table 212.400-2 of Chapter 62-212, F.A.C. Therefore the project is not subject to PSD requirements of Rule 62-212.400, F.A.C., for these pollutants.

The applicant stated that this facility is not a major source of hazardous air pollutants (HAPs). This project is not subject to a case-by-case MACT determination, per Rule 62-204.800(10)(d)2, F.A.C., because it does not result in the construction or reconstruction of a major source of HAP emissions. This project is not subject to any requirements under the National Emissions Standards for Hazardous Air Pollutants, 40 CFR 61 or 63.

3 SOURCE IMPACT ANALYSIS

An impact analysis was not required for this project because it is not subject to the requirements of PSD.

4 EXCESS EMISSIONS

Excess emissions for this emissions unit are specified in Section II of the permit. This permitting action does not change any authorization for excess emissions provided by other Department permits for other emissions units

5 LIMITS AND COMPLIANCE REQUIREMENTS

The permit limits the total fruit processed by the plant in a 12-month period as the method of limiting emissions. Additional specific emission limits were not imposed because the potential emissions are well below the PSD significance criteria. The operating limits and the compliance requirements are detailed in Section III of the permit.

6 PRELIMINARY DETERMINATION

Based on the foregoing technical evaluation of the application and other available information, the Department has made a preliminary determination that the proposed project will comply with all applicable state and federal air pollution regulations. The Department's preliminary determination is to issue the draft permit to allow the installation of a replacement citrus peel dryer; a new pellet cooler; and replace the operating hours limit with a maximum annual fruit throughput, subject to the terms and conditions of the draft permit.

7 FINAL DETERMINATION

An "INTENT TO ISSUE AIR CONSTRUCTION PERMIT" to Louis Dreyfus Citrus for their existing citrus juice processing plant located at 19100 Southwest Warfield Boulevard, Indiantown, Martin County was clerked on April 30, 2004. The "PUBLIC NOTICE OF INTENT TO ISSUE AIR CONSTRUCTION PERMIT" was published in the Stuart News / Port St. Lucie News on May 11, 2004. The Draft Air Construction Permit was available for public inspection at the Southeast District office in West Palm Beach and the permitting authority's office in Tallahassee. Proof of publication of the "PUBLIC NOTICE OF INTENT TO ISSUE TITLE V AIR OPERATION PERMIT" was received on May 18, 2004.

No comments were received during the fourteen (14) day public comment period. As a result, the Final Air Construction permit will be issued, as noticed.

DETAILS OF THIS ANALYSIS MAY BE OBTAINED BY CONTACTING:

Edward J. Svec, Engineer IV
Department of Environmental Protection
Bureau of Air Regulation
Mail Station #5505
2600 Blair Stone Road
Tallahassee, Florida 32399-2400
Telephone: 850/488-0114



Department of Environmental Protection

Jeb Bush
Governor

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

Colleen M. Castille
Secretary

PERMITTEE

Louis Dreyfus Citrus, Inc.
19100 Southwest Warfield Boulevard
Indiantown, Florida 34956

| | |
|-------------------|-----------------------------------|
| Permit No. | 0850002-006-AC |
| Project | Citrus Peel Dryer & Pellet Cooler |
| SIC No. | 2037 |
| Expires: | May 31, 2009 |

Authorized Representative:

Dave Baldwin, Plant Manager

PROJECT AND LOCATION

This permit authorizes Louis Dreyfus Citrus, Inc., to replace the existing 30,000 pounds per hour peel dryer (Emissions Unit I. D. -004) with a new peel dryer capable of drying 60,000 pounds per hour of wet peel; install a second 27 tons per hour pellet cooler; and, the replacement of the operating hour limitations on the peel dryers and pellet coolers with a cap on total fruit processing. The applicant states that the substitution of 25 million boxes of fruit processed annually for the currently allowable 4,500 annual hours of operation does not constitute a production increase.

This facility is located at 19100 SW Warfield Blvd. Indiantown, Martin County; UTM Coordinates: Zone 17, 548.40 km East and 2991.50 km North; Latitude: 27° 01' 45" North and Longitude: 80° 31' 10" West.

STATEMENT OF BASIS

This construction permit is issued under the provisions of Chapter 403 of the Florida Statutes (F.S.), and the Florida Administrative Code (F.A.C.) Chapters 62-4, 62-204, 62-210, 62-212, 62-296, and 62-297. The above named permittee is authorized to construct the emissions units in accordance with the conditions of this permit and as described in the application, approved drawings, plans, and other documents on file with the Department of Environmental Protection (Department).

APPENDICES

The attached appendix is a part of this permit:

Appendix GC General Permit Conditions

Michael G. Cooke, Director
Division of Air Resource
Management

AIR CONSTRUCTION PERMIT
SECTION I. FACILITY INFORMATION

FACILITY AND PROJECT DESCRIPTION

The facility is an existing citrus juice processing facility. The project is a request to replace the existing 30,000 pounds per hour peel dryer (Emissions Unit I. D. -004) with a new peel dryer capable of drying 60,000 pounds per hour of wet peel; install a second 27 tons per hour pellet cooler; and, the replacement of the operating hour limitations on the peel dryers and pellet coolers with a cap on total fruit processing. The applicant states that the substitution of 25 million boxes of fruit processed annually for the currently allowable 4,500 annual hours of operation does not constitute a production increase. The applicant did not seek any other relaxation in currently enforceable conditions for its other existing emissions units.

The emissions units addressed by this permit are retired Citrus Peel Dryer No. 1, I.D. 004; new Citrus Peel Dryer No. 1A, I.D. 013; existing Pellet Cooler No. 1, I.D. 008; and, new Pellet Cooler No. 2, I.D. 014.

The emissions increases associated with this project were estimated as follows in tons per year. Offsetting emissions from the removal of Citrus Peel Dryer (# 1), I. D. -004 were assumed in this estimate.

| Pollutant | Net Increase ¹ | PSD Significance | Subject to PSD? |
|----------------------|---------------------------|------------------|-----------------|
| PM/ PM ₁₀ | 0.76/0.76 | 25/15 | No |
| SO ₂ | 0.06 | 40 | No |
| NO _x | 10.0 | 40 | No |
| CO | 8.4 | 100 | No |
| VOC | 0.55 | 40 | No |

¹ Potential emissions (shown as net increase) were estimated by the Department from allowable natural gas usage and AP-42 emission factors (tables 1.4-1 and 1.4-2), assuming a heat content of 1000 Btu/scf of natural gas, given a design heat input capacity of 93.6 MMBtu/hour and an annual fuel limitation of 400 million cubic feet of natural gas in any 12 consecutive months.

The facility information, project scope, emissions and rule applicability are described in detail in the Department's Technical Evaluation and Determination.

REVIEWING AND PROCESS SCHEDULE

| | |
|------------------|---|
| February 9, 2004 | Received permit application (no application fee required) |
| February 9, 2004 | Application complete |
| April 30, 2004 | Distributed Notice of Intent to Issue and supporting documents |
| May 11, 2004 | Notice of Intent published in The Stuart News and The Port St. Lucie News |

RELEVANT DOCUMENTS

The documents listed below are the basis of the permit. They are specifically related to this permitting action. These documents are on file with the Department.

- Permit application
- Department's Technical Evaluation and Determination
- Department's Intent to Issue

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AIR CONSTRUCTION PERMIT

SECTION II. FACILITY-WIDE SPECIFIC CONDITIONS

The following specific conditions apply to all emissions units at this facility addressed by this permit.

ADMINISTRATIVE

1. Regulating Agencies: All documents related to applications for permits to construct, operate or modify an emissions unit should be submitted to the Bureau of Air Regulation (BAR), Florida Department of Environmental Protection at Mail Station #5505, 2600 Blair Stone Road, Tallahassee, Florida 32399-2400, phone number 850/488-0114. All documents related to reports, tests, minor modifications and notifications shall be submitted to the Department's Southeast District office Air Program, at 400 North Congress Avenue, PO Box 15425, Suite 232, West Palm Beach, Florida 33401, and phone number 561/681-6600.
2. General Conditions: The owner and operator are subject to and shall operate under the attached General Permit Conditions G.1 through G.15 listed in Appendix GC of this permit. General Permit Conditions are binding and enforceable pursuant to Chapter 403, F.S. [Rule 62-4.160, F.A.C.]
3. Terminology: The terms used in this permit have specific meanings as defined in the corresponding chapters of the Florida Administrative Code.
4. Applicable Regulations, Forms and Application Procedures: Unless otherwise indicated in this permit, the construction and operation of the subject emissions unit shall be in accordance with the capacities and specifications stated in the application. The facility is subject to all applicable provisions of Chapter 403, F.S.; Chapters 62-4, 62-110, 62-204, 62-212, 62-213, 62-296, 62-297, F.A.C.; and, the Code of Federal Regulations Title 40, Part 60, adopted by reference in the F.A.C. regulations. The permittee shall use the applicable forms listed in Rule 62-210.900, F.A.C. and follow the application procedures in Chapter 62-4, F.A.C. Issuance of this permit does not relieve the facility owner or operator from compliance with any applicable federal, state, or local permitting or regulations. [Rules 62-204.800, 62-210.300 and 62-210.900, F.A.C.]
5. New or Additional Conditions: Pursuant to Rule 62-4.080, F.A.C., for good cause shown and after notice and an administrative hearing, if requested, the Department may require the permittee to conform to new or additional conditions. The Department shall allow the permittee a reasonable time to conform to the new or additional conditions, and on application of the permittee, the Department may grant additional time. [Rule 62-4.080, F.A.C.]
6. Expiration: This air construction permit shall expire on May 31, 2009. The permittee, for good cause, may request that this construction permit be extended. Such a request shall be submitted to the Department's Bureau of Air Regulation prior to 60 days before the expiration of the permit. [Rules 62-210.300(1), 62-4.070(4), 62-4.080, and 62-4.210, F.A.C.]
7. Modifications: No emissions unit or facility subject to this permit shall be constructed or modified without obtaining an air construction permit from the Department. Such permit must be obtained prior to the beginning of construction or modification. [Rules 62-210.300(1) and 62-212.300(1)(a), F.A.C.]
8. Title V Operation Permit Required: This permit authorizes construction and/or installation of the permitted emissions unit and initial operation to determine compliance with Department rules. A revision to the Title V operation permit is required for regular operation of the permitted emissions unit. The owner or operator shall apply for a Title V operation permit at least ninety days prior to expiration of this permit, but no later than 180 days after commencing operation. To apply for a Title

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SECTION II. FACILITY-WIDE SPECIFIC CONDITIONS

V operation permit, the applicant shall submit the appropriate application form, compliance test results, and such additional information as the Department may by law require. The application shall be submitted to the Department's Southeast District office. [Rules 62-4.030, 62-4.050, 62-4.220, and Chapter 62-213, F.A.C.]

OPERATIONAL REQUIREMENTS

9. Plant Operation - Problems: If temporarily unable to comply with any of the conditions of the permit due to breakdown of equipment or destruction by hazard of fire, wind or by other cause, the permittee shall immediately notify the Department's Southeast District office. The notification shall include pertinent information as to the cause of the problem, and what steps are being taken to correct the problem and to prevent its recurrence, and where applicable, the owner's intent toward reconstruction of destroyed facilities. Such notification does not release the permittee from any liability for failure to comply with Department rules. [Rule 62-4.130, F.A.C.]
10. Circumvention: No person shall circumvent any air pollution control device or allow the emission of air pollutants without the applicable air pollution control device operating properly. [Rule 62-210.650, F.A.C.]
11. Excess Emissions: This permit does not change any authorization for excess emissions provided by other Department permits for other emissions units. The following excess emissions provisions of state rule apply to these emissions units (emissions unit I.D. 005, 008, 013 and 014) as specified below.
 - (a) Excess emissions resulting from start-up and shutdown are 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.
 - (b) Excess emissions resulting from malfunction of this 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.
 - (c) 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 start-up, shutdown, or malfunction shall be prohibited.

[Rules 62-210.700(1), (4) and (5), F.A.C.]

COMPLIANCE MONITORING AND TESTING REQUIREMENTS

12. Determination of Process Variables: [Rule 62-297.310(5), F.A.C.]
 - (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

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SECTION II. FACILITY-WIDE SPECIFIC CONDITIONS

with sufficient accuracy to allow the applicable process variable to be determined within 10% of its true value.

REPORTING AND RECORD KEEPING REQUIREMENTS

13. Duration of Record Keeping: Upon request, the permittee shall furnish all records and plans required under Department rules. During enforcement actions, the retention period for all records will be extended automatically unless otherwise stipulated by the Department. The permittee shall hold at the facility or other location designated by this permit records of all monitoring information (including all calibration and maintenance records and all original strip chart recordings for continuous monitoring instrumentation) required by the permit, copies of all reports required by this permit, and records of all data used to complete the application for this permit. These materials shall be retained at least five years from the date of the sample, measurement, report, or application unless otherwise specified by Department rule. [Rules 62-4.160(14)(a)&(b) and 62-213.440(1)(b)2.b., F.A.C.]
14. Excess Emissions Report: In case of excess emissions resulting from malfunction, the owner or operator shall notify the Department's Southeast District office within one working day of: the nature, extent, and duration of the excess emissions; the cause of the excess emissions; and the actions taken to correct the problem. In addition, the Department may request a written summary report of the incident. A full written report on the malfunctions shall be submitted in a quarterly report if requested by the Department. [Rules 62-4.130 and 62-210.700(6), F.A.C.]
15. Annual Operating Report for Air Pollutant Emitting Facility: The Annual Operating Report for Air Pollutant Emitting Facility shall be completed each year and shall be submitted to the Department's Southeast District office and, if applicable, the appropriate local program by March 1 of the following year. [Rule 62-210.370(3), F.A.C.]

AIR CONSTRUCTION PERMIT

SECTION III. EMISSIONS UNITS SPECIFIC CONDITIONS

The following specific conditions apply to the following emissions units after construction.

Subsection A. This section addresses the following emission units.

| EMISSIONS UNIT NO. | EMISSIONS UNIT DESCRIPTION |
|---------------------------|--|
| -013 | Citrus Peel Dryer (# 1A) / Waste Heat Evaporator with a medium efficiency scrubber |
| -005 | Citrus Peel Dryer (# 2) / Waste Heat Evaporator with a medium efficiency scrubber |

The new citrus peel dryer No.1A is manufactured by GUMACO, model 60. It is equipped with a 60,000 lb/hr. waste heat evaporator and a wet scrubber to control particulate matter emissions. Peel dryer No. 2 is manufactured by Cook, model 60 and is equipped with a 60,000 lb/hr. waste heat evaporator and a medium efficiency scrubber to control particulate matter emissions. Commercial operation began in 1993. The 50,000 lb/hr. waste heat evaporator from retired citrus peel dryer #1 will continue to operate on steam from the co-generation plant.

The following conditions apply to the emission units listed above:

ESSENTIAL POTENTIAL TO EMIT (PTE) PARAMETERS

A.1. Capacity.

| E.U. ID No. | Maximum Heat Input MMBtu/hr. | Maximum Evaporative Capacity of the Dryer lb. H₂O/hr. | Maximum Process Rate tons/hour | Maximum Evaporative Capacity of the WHE lb. H₂O/hr. | Fuel Type |
|--------------------|-------------------------------------|---|---------------------------------------|---|------------------|
| 013 | 93.6 | 60,000 | 39 | 60,000 | natural gas |
| 005 | 93.6 | 60,000 | 39 | 60,000 | natural gas |

[Rules 62-4160(2) and 62-210. 200 (PTE), F.A.C.]

A.2. Methods of Operation. The only fuel allowed to be burned is natural gas. Total fuel use shall not exceed 400 million cubic feet of natural gas in any 12 consecutive months. Any change in fuels shall require a permit modification from the Department prior to use. [0850002-001-AC]

A.3. Hours of Operation. The hours of operation for the pellet coolers are not limited. See Specific Condition A.4. [Rules 62-4.160(2), F.A.C. and Rule 62-210.200200(PTE), F.A.C.]

A.4. Fruit Throughput Limited: The owner or operator shall not process more than 25.0 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

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SECTION III. EMISSIONS UNITS SPECIFIC CONDITIONS

records and shall be completed no later than the 10th day of each following month. [Rule 62-4.070(3), F.A.C.]

A.5. The waste heat evaporators are capable of being fired with steam rather than waste heat from the peel dryers. No compliance testing is required on a waste heat evaporator if the associated peel dryer has not been operated during the calendar year. [0850002-001-AC]

Emission Limitations and Standards

A.6. Visible Emissions. Visible emissions from the dryers/WHE shall not be equal to or greater than 20% opacity. [Rule 62-296.320(b)1., F.A.C.]

A.7. Particulate Matter Emissions. Peel dryers No.1, and No. 2 are subject to Rule 62-296.320(4)(a) Process Weight Table 296.320-1, F.A.C. For process weight rates in excess of 30 tons per hour, the respective allowable emission rates, E in pounds per hour is given below:

$$E=17.31 P^{0.16}$$

The maximum allowable particulate matter emissions for each dryer is 29.57 lb/hr. or 66.5 tons per twelve consecutive month period.
[Rule 62-296.320(4)(a), F.A.C.]

Test Methods and Procedures

A.8. The peel dryers shall be tested for visible emissions for a 30 minute period each federal fiscal year (Oct 1-Sept 30) and shall be tested for particulate matter emissions prior to permit renewal. [Rules 62-297.310(7)(a)4 and 62-213.440, F.A.C.]

A.9. Compliance with the emission limitations shall be determined each federal fiscal year (Oct.1- Sept. 30) using EPA Methods 1, 2, 3, 4, 5, 9, 10 and Method 25A or Method 18 as contained in 40 CFR 60, Appendix A, and adopted by reference in Chapter 62-297, F.A.C. or alternate sampling procedure, ASP No. 97-G-01. The minimum requirements for stationary point source emission test procedures and reporting shall be in accordance with Rule 62-297, F.A.C. and 40 CFR 60, Appendix A. When using EPA Method 5, an acetone wash shall be used and the minimum sample volume shall be 32 dry standard cubic feet. [Rules 62-296(4)(a)(i) and 62-297.401, F.A.C.]

A.10. Compliance with the monitoring requirements of this permit for monitoring equipment not previously installed prior to issuance of this permit shall commence on the date of the next required compliance test after issuance of this permit. [Rule 62-213.440(1)(b), F.A.C.]

A.11. Testing of emission shall be conducted with the source operating at permitted capacity. Permitted capacity is defined as 90-100 percent of the maximum operating rate allowed by the permit. If it is impractical to test at permitted capacity, an emission unit may be tested at less

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SECTION III. EMISSIONS UNITS SPECIFIC CONDITIONS

than the maximum permitted capacity; in this case subsequent emission unit operation is limited to 110 percent of the test rate until a new test is conducted. Once the unit is so limited, operation at higher capacities is allowed for no more than 15 consecutive days for the purposes of additional compliance testing to regain the authority to operate at the permitted capacity. [Rule 62-297.310(2), F.A.C.]

Recordkeeping and Reporting Requirements

A.12. The following records shall be maintained:

Daily

- Total boxes of fruit processed
- Total combined pressed wet peel to the dryers in tons/day.
- Average daily pressed wet peel to the dryers in tons/hr.
- Total combined natural gas usage to the dryers.
- Average daily natural gas usage to the dryers in MMBtu/hr.

Daily records shall be completed by the end of the next business day

Monthly

- Total boxes of fruit processed along with the most recent consecutive 12 month total boxes of fruit processed.
- Total combined pressed wet peel to the dryers in tons/month
- Monthly average pressed wet peel input rate to the dryers in tons/hr.
- Total natural gas usage to the dryers.
- Monthly average heat input rate to the dryers in MMBtu/hr.

Monthly logs shall be completed by the 10th day of the following month.

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

A.13. Test Reports

Test reports shall provide sufficient detail on the emission 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. Test reports, other than for an EPA or DEP Method 9 test, shall include at a minimum the following information and other information as necessary to make a complete report required pursuant to F.A.C. Rule 297.310(8)(c):

- 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.
- 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.

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- The type of air pollution control devices installed on the emission 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.
- All measured and calculated data required to be determined by each applicable test procedure for each run.
- The detailed calculations for one run for each pollutant for each unit that relate the collected data to the calculated emission rate.
- The applicable emission standard, and the resulting maximum allowable emission rate for the emission unit, plus the test result in the same form and unit of measure.

[Rule 62-297.310(8), F.A.C.]

A.14. The requirements for stack sampling facilities, source sampling and reporting, shall be in accordance with Chapter 62-297, F.A.C., Stationary Sources - Emission Monitoring. [Rule 62-297.401, F.A.C.]

A.15. The permittee shall notify the Air Compliance Section of the Southeast District Office of the Department at least 15 days prior to the date on which each formal compliance test is to begin of the date, time, and place of each such test, and the contact person who will be responsible for coordinating and having such test conducted. [Rule 62-297.310(7)(a)9., F.A.C.]

A.16. The visible emission tests shall be conducted by a certified observer and be a minimum of thirty minutes in duration, unless otherwise specified within. The test observation period shall include the period during which the highest opacity can reasonably be expected to occur. [Rule 62-297.310(4)(a)2, F.A.C.]

A.17. When the Department, after investigation, has good reason (such as complaints, increased visible emission or questionable maintenance of control equipment) to believe that any applicable emission standard in Rules 62-204 through 62-297 or in a permit issued pursuant to those rules is being violated, it shall require the owner or operator of the emission unit to conduct compliance tests which identify the nature and quantity of pollutant emission from the emission unit and to provide a report on the results of said tests to the Department. [Rule 62-297.310(7)b, F.A.C.]

AIR CONSTRUCTION PERMIT
SECTION III. EMISSIONS UNITS SPECIFIC CONDITIONS

The following specific conditions apply to the following emissions units after construction.

Subsection B. This section addresses the following emission unit.

| EMISSIONS UNIT NO. | EMISSIONS UNIT DESCRIPTION |
|-----------------------|----------------------------|
| -008 | Pellet Cooler #1 |
| -014 | Pellet Cooler #2 |

Dried citrus peel from the dryers is feed to the citrus pellet mill coolers. The dried peel are cooled with ambient air and formed into animal feed pellets. The pellet coolers are model 30 units manufactured by CPM and are equipped with a centrifugal cyclone to control particulate emission. Commercial operation began in 1973 for Pellet Cooler #1.

Essential Potential to Emit (PTE) Parameters

B.1. Capacity. The maximum process input rate for each pellet cooler, including the moisture in the dried peel, shall not exceed 27 tons/hr. [Rule 62-210.200(PTE), F.A.C.]

B.2. Hours of Operation. The hours of operation for the pellet coolers are not limited. See Specific Condition **B.3.** [Rules 62-4.160(2), F.A.C. and Rule 62-210.200200(PTE), F.A.C.]

B.3. Fruit Throughput Limited: The owner or operator shall not process more than 25.0 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 10th day of each following month. [Rule 62-4.070(3), F.A.C.]

Emission Limitations and Standards

B.4. Visible Emissions. Visible emissions from the pellet cooler shall not be equal to or greater than 20 percent opacity. [Rule 62-296.320(b)1, F.A.C.]

B.5. Particulate Matter Emissions. The pellet coolers are subject to Rule 62-296.320(4)(a) Process Weight Table 296.320-1, F.A.C. For process weight rates up to 30 tons per hour, the respective allowable emission rates, E, in pounds per hour is given below:

$$E=3.59 P^{0.62}$$

The maximum allowable particulate matter emissions for each pellet cooler is 27.7 lb/hr. or 62.3 tons per twelve consecutive month period.
 [Rule 62-296.320(4)(a), F.A.C.]

Louis Dreyfus Citrus, Inc.
 New Citrus Peel Dryer and Pellet Cooler

0850002-006-AC

AIR CONSTRUCTION PERMIT

SECTION III. EMISSIONS UNITS SPECIFIC CONDITIONS

Test Methods and Procedures

B.6. Visible Emission Test. Compliance with the visible emission limitation shall be determined using EPA Method 9. The pellet cooler shall be tested for visible emission for a 30 minute period each federal fiscal year (Oct 1-Sept 30). [Rule 62-297.310(7)(a), F.A.C.]

B.7. Particulate Matter Emission Test. The test method for particulate matter emission shall be EPA Method 5, incorporated and adopted by reference in Chapter 62-297, F.A.C. and shall be tested for particulate matter emissions prior to permit renewal. An acetone wash shall be used. The minimum sample volume shall be 32 dry standard cubic feet. [Rule 62-297.310(4)2a(i), F.A.C.]

B.8. Compliance with the monitoring requirements of this permit for monitoring equipment not previously installed prior to issuance of this permit shall commence on the date of the next - - required compliance test after issuance of this permit. [Rule 62-213.440(1)(b), F.A.C.]

B.9. Testing of emission shall be conducted with the source operating at permitted capacity. Permitted capacity is defined as 90-100 percent of the maximum operating rate allowed by the permit. If it is impractical to test at permitted capacity, an emission unit may be tested at less than the maximum permitted capacity; in this case subsequent emission unit operation is limited to 110 percent of the test rate until a new test is conducted. Once the unit is so limited, operation at higher capacities is allowed for no more than 15 consecutive days for the purposes of additional compliance testing to regain the authority to operate at the permitted capacity. [Rule 62-297.310(2), F.A.C.]

Recordkeeping and Reporting Requirements

B.10. The following records shall be maintained:

Daily

- Total boxes of fruit processed
- Total of dry peel to the cooler in tons.
- Daily average dry peel input rate to the cooler in tons/hr.

Daily records shall be completed by the end of the next business date.

AIR CONSTRUCTION PERMIT
SECTION III. EMISSIONS UNITS SPECIFIC CONDITIONS

Monthly

- Total boxes of fruit processed along with the most recent consecutive 12 month total boxes of fruit processed.
- Total peel to the cooler in tons/month.

Monthly logs shall be completed by the 10th day of the following month.

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

B.11. Test Reports

Test reports shall provide sufficient detail on the emission 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. Test reports, other than for an EPA or DEP Method 9 test, shall include at a minimum the following information and other information as necessary to make a complete report required pursuant to F.A.C. Rule 297.310(8)(c):

- 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.
- 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.
- The type of air pollution control devices installed on the emission 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.
- All measured and calculated data required to be determined by each applicable test procedure for each run.
- The detailed calculations for one run for each pollutant for each unit that relate the collected data to the calculated emission rate.
- The applicable emission standard, and the resulting maximum allowable emission rate for the emission unit, plus the test result in the same form and unit of measure.

[Rule 62-297.310(8), F.A.C.]

B.12. The requirements for stack sampling facilities, source sampling and reporting, shall be in accordance with Chapter 62-297, F.A.C., Stationary Sources - Emission Monitoring. [Rule 62-297.401, F.A.C.]

B.13. The permittee shall notify the Air Compliance Section of the Southeast District Office of the Department at least 15 days prior to the date on which each formal compliance test is to begin of the date, time, and place of each such test, and the contact person who will be responsible for coordinating and having such test conducted. [Rule 62-297.310(7)(a)9., F.A.C.]

B.14. The visible emission tests shall be conducted by a certified observer and be a minimum of thirty minutes in duration, unless otherwise specified within. The test observation period shall include the period during which the highest opacity can reasonably be expected to occur. [Rule 62-297.310(4)(a)2, F.A.C.]

AIR CONSTRUCTION PERMIT

SECTION III. EMISSIONS UNITS SPECIFIC CONDITIONS

B.15. When the Department, after investigation, has good reason (such as complaints, increased visible emission or questionable maintenance of control equipment) to believe that any applicable emission standard in Rules 62-204 through 62-297 or in a permit issued pursuant to those rules is being violated, it shall require the owner or operator of the emission unit to conduct compliance tests which identify the nature and quantity of pollutant emission from the emission unit and to provide a report on the results of said tests to the Department. [Rule 62- 297.310(7) b, F.A.C.]

APPENDIX GC
GENERAL PERMIT CONDITIONS [RULE 62-4.160, F.A.C.]

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

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

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

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

APPENDIX GC
GENERAL PERMIT CONDITIONS [RULE 62-4.160, F.A.C.]

- G.9 In accepting this permit, the permittee understands and agrees that all records, notes, monitoring data and other information relating to the construction or operation of this permitted source which are submitted to the Department may be used by the Department as evidence in any enforcement case involving the permitted source arising under the Florida Statutes or Department rules, except where such use is prescribed by Sections 403.73 and 403.111, Florida Statutes. Such evidence shall only be used to the extent it is consistent with the Florida Rules of Civil Procedure and appropriate evidentiary rules.
- G.10 The permittee agrees to comply with changes in Department rules and Florida Statutes after a reasonable time for compliance, provided, however, the permittee does not waive any other rights granted by Florida Statutes or Department rules.
- G.11 This permit is transferable only upon Department approval in accordance with Florida Administrative Code Rules 62-4.120 and 62-730.300, F.A.C., as applicable. The permittee shall be liable for any non-compliance of the permitted activity until the transfer is approved by the Department.
- G.12 This permit or a copy thereof shall be kept at the work site of the permitted activity.
- G.13 This permit also constitutes:
- (a) Determination of Best Available Control Technology ();
 - (b) Determination of Prevention of Significant Deterioration (); and
 - (c) Compliance with New Source Performance Standards ().
- G.14 The permittee shall comply with the following:
- (a) Upon request, the permittee shall furnish all records and plans required under Department rules. During enforcement actions, the retention period for all records will be extended automatically unless otherwise stipulated by the Department.
 - (b) The permittee shall hold at the facility or other location designated by this permit records of all monitoring information (including all calibration and maintenance records and all original strip chart recordings for continuous monitoring instrumentation) required by the permit, copies of all reports required by this permit, and records of all data used to complete the application or this permit. These materials shall be retained at least three years from the date of the sample, measurement, report, or application unless otherwise specified by Department rule.
 - (c) Records of monitoring information shall include:
 - 1. The date, exact place, and time of sampling or measurements;
 - 2. The person responsible for performing the sampling or measurements;
 - 3. The dates analyses were performed;
 - 4. The person responsible for performing the analyses;
 - 5. The analytical techniques or methods used; and
 - 6. The results of such analyses.
- G.15 When requested by the Department, the permittee shall within a reasonable time furnish any information, required by law, which is needed to determine compliance with the permit. If the permittee becomes aware that relevant facts were not submitted or were incorrect in the permit application or in any report to the Department, such facts or information shall be corrected promptly.

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. Dave Baldwin, Plant Manager
 Louis Dreyfus Citrus, Inc.
 19100 Southwest Warfield Boulevard
 Indiantown, Florida 34956

COMPLETE THIS SECTION ON DELIVERY

A. Signature Agent
 X *Wendy Caven* Addressee

B. Received by (Printed Name) G. Date of Delivery
 10-15-04

D. Is delivery address different from item 1? Yes
 If YES, enter delivery address below: No

3. Service Type
 Certified Mail Express Mail
 Registered Return Receipt for Merchandise
 Insured Mail C.O.D.

4. Restricted Delivery? (Extra Fee) Yes

2. Article Number (Transfer from service label) 7001 1140 0002 1578 1338

**U.S. Postal Service
 CERTIFIED MAIL RECEIPT
 (Domestic Mail Only; No Insurance Coverage Provided)**

7001 1140 0002 1578 1338

Dave Baldwin, Plant Manager

| | |
|---|-----------|
| Postage | \$ |
| Certified Fee | |
| Return Receipt Fee (Endorsement Required) | |
| Restricted Delivery Fee (Endorsement Required) | |
| Total Postage & Fees | \$ |

Postmark
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Sent To
 Mr. Dave Baldwin, Plant Manager
 Street, Apt. No.;
 or PO Box No. 19100 Southwest Warfield Boulevard
 City, State, ZIP+ 4 Indiantown, Florida 34956