

Department of Environmental Protection RECEIVED

Division of Air Resource Management

JUN 18 2004

RESPONSIBLE OFFICIAL NOTIFICATION FORM BUREAU OF AIR REGULATION

Note: A responsible official is not necessarily a designated representative under the Acid Rain Program. To become a designated representative, submit a certificate of representation to the U.S. Environmental Protection Agency (EPA) in accordance with 40 CFR Part 72.24.

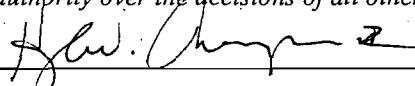
Identification of Facility

1. Facility Owner/Company Name: Cutrale Citrus Juices USA, Inc.	
2. Site Name: Cutrale Citrus Juices USA, Inc. Leesburg	3. County: Lake
4. Title V Air Operation Permit/Project No. (leave blank for initial Title V applications):	

Notification Type (Check one or more)

<input type="checkbox"/> INITIAL:	Notification of responsible officials for an initial Title V application.
<input type="checkbox"/> RENEWAL:	Notification of responsible officials for a renewal Title V application.
<input checked="" type="checkbox"/> CHANGE:	Notification of change in responsible official(s). Effective date of change in responsible official(s) January 1 2004

Primary Responsible Official

1. Name and Position Title of Responsible Official: Jose Zamperlini / Leesburg Plant Manager
2. Responsible Official Mailing Address: 11 Cloud Street Organization/Firm: Cutrale Citrus Juices USA, Inc. Street Address: 11 Cloud Street City:Leesburg State: Florida Zip Code: 34748
3. Responsible Official Telephone Numbers: Telephone: (352) 728-7800 Fax: (352) 728- 7840
4. Responsible Official Qualification (Check one or more of the following options, as applicable): <input checked="" type="checkbox"/> For a corporation, the president, secretary, treasurer, or vice-president of the corporation in charge of a principal business function, or any other person who performs similar policy or decision-making functions for the corporation, or a duly authorized representative of such person if the representative is responsible for the overall operation of one or more manufacturing, production, or operating facilities applying for or subject to a permit under Chapter 62-213, F.A.C. <input type="checkbox"/> For a partnership or sole proprietorship, a general partner or the proprietor, respectively. <input type="checkbox"/> For a municipality, county, state, federal, or other public agency, either a principal executive officer or ranking elected official. <input type="checkbox"/> The designated representative at an Acid Rain source.
5. Responsible Official Statement: <i>I, the undersigned, am a responsible official, as defined in Rule 62-210.200, F.A.C., of the Title V source addressed in this notification. I hereby certify, based on information and belief formed after reasonable inquiry, that the statements made in this notification are true, accurate and complete. Further, I certify that I have authority over the decisions of all other responsible officials, if any, for purposes of Title V permitting.</i>  <hr/> Signature 5/26/04 <hr/> Date

***CUTRALE CITRUS JUICES USA, INC.
LEESBURG FACILITY***

**APPLICATION FOR TITLE V AIR
OPERATION PERMIT RENEWAL**

PREPARED FOR:

***CUTRALE CITRUS JUICES USA, INC.
11 CLOUD STREET
LEESBURG, FLORIDA
LAKE COUNTY***

PREPARED BY:

ATC



AIR TESTING & CONSULTING

***333 FALKENBURG ROAD, SUITE B-214
TAMPA, FLORIDA 33619***

CUTRALE CITRUS JUICES USA, INC. LEESBURG FACILITY

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Supplemental Information

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Supplemental Information

3A - Process Flow Diagram

3B - Control Equipment Description

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Supplemental Information

4A - Process Flow Diagram

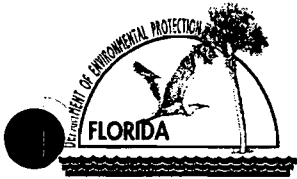
4B - Fuel Specification

4C - Additional Applicable Requirements

4D - Alternative Methods of Operation



APPLICATION INFORMATION



Department of Environmental Protection

Division of Air Resource Management

APPLICATION FOR AIR PERMIT - LONG FORM

I. APPLICATION INFORMATION

Air Construction Permit – Use this form to apply for an air construction permit for a proposed project:

- subject to prevention of significant deterioration (PSD) review, nonattainment area (NAA) new source review, or maximum achievable control technology (MACT) review; or
- where the applicant proposes to assume a restriction on the potential emissions of one or more pollutants to escape a federal program requirement such as PSD review, NAA new source review, Title V, or MACT; or
- at an existing federally enforceable state air operation permit (FESOP) or Title V permitted facility.

Air Operation Permit – Use this form to apply for:

- an initial federally enforceable state air operation permit (FESOP); or
- an initial/revised/renewal Title V air operation permit.

Air Construction Permit & Revised/Renewal Title V Air Operation Permit (Concurrent Processing Option)

– Use this form to apply for both an air construction permit and a revised or renewal Title V air operation permit incorporating the proposed project.

To ensure accuracy, please see form instructions.

Identification of Facility

1. Facility Owner/Company Name: Cutrale Citrus Juices USA, Inc.	
2. Site Name: Cutrale Citrus Juices USA, Inc. - Leesburg	
3. Facility Identification Number: 0690002	
4. Facility Location...: Street Address or Other Locator: 11 Cloud Street City: Leesburg County: Lake Zip Code: 34748	
5. Relocatable Facility? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	6. Existing Title V Permitted Facility? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No

Application Contact

1. Application Contact Name: Aaron P. Corkum	
2. Application Contact Mailing Address... Organization/Firm: Cutrale Citrus Juices USA Street Address: 602 McKean Street City: Auburndale State: Florida Zip Code: 33823-4070	
3. Application Contact Telephone Numbers... Telephone: (863) – 965 - 5209 ext. Fax: (863) 965 - 5195	
4. Application Contact Email Address: acorkum@cutrale.com	

Application Processing Information (DEP Use)

1. Date of Receipt of Application:	
2. Project Number(s):	
3. PSD Number (if applicable):	
4. Siting Number (if applicable):	

APPLICATION INFORMATION

Purpose of Application

This application for air permit is submitted to obtain: (Check one)

Air Construction Permit

Air construction permit.

Air Operation Permit

Initial Title V air operation permit.

Title V air operation permit revision.

Title V air operation permit renewal.

Initial federally enforceable state air operation permit (FESOP) where professional engineer (PE) certification is required.

Initial federally enforceable state air operation permit (FESOP) where professional engineer (PE) certification is not required.

Air Construction Permit and Revised/Renewal Title V Air Operation Permit (Concurrent Processing)

Air construction permit and Title V permit revision, incorporating the proposed project.

Air construction permit and Title V permit renewal, incorporating the proposed project.

Note: By checking one of the above two boxes, you, the applicant, are requesting concurrent processing pursuant to Rule 62-213.405, F.A.C. In such case, you must also check the following box:

I hereby request that the department waive the processing time requirements of the air construction permit to accommodate the processing time frames of the Title V air operation permit.

Application Comment

APPLICATION INFORMATION

Owner/Authorized Representative Statement

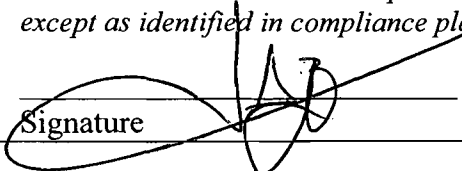
Complete if applying for an air construction permit or an initial FESOP.

1. Owner/Authorized Representative Name :
2. Owner/Authorized Representative Mailing Address... Organization/Firm: Street Address: City: State: Zip Code:
3. Owner/Authorized Representative Telephone Numbers... Telephone: () - ext. Fax: () -
4. Owner/Authorized Representative Email Address:
5. Owner/Authorized Representative Statement: <i>I, the undersigned, am the owner or authorized representative of the facility addressed in this air permit application. I hereby certify, based on information and belief formed after reasonable inquiry, that the statements made in this application are true, accurate and complete and that, to the best of my knowledge, any estimates of emissions reported in this application are based upon reasonable techniques for calculating emissions. The air pollutant emissions units and air pollution control equipment described in this application will be operated and maintained so as to comply with all applicable standards for control of air pollutant emissions found in the statutes of the State of Florida and rules of the Department of Environmental Protection and revisions thereof and all other requirements identified in this application to which the facility is subject. I understand that a permit, if granted by the department, cannot be transferred without authorization from the department, and I will promptly notify the department upon sale or legal transfer of the facility or any permitted emissions unit.</i> _____ Signature _____ Date

APPLICATION INFORMATION

Application Responsible Official Certification

Complete if applying for an initial/revised/renewal Title V permit or concurrent processing of an air construction permit and a revised/renewal Title V permit. If there are multiple responsible officials, the "application responsible official" need not be the "primary responsible official."

1. Application Responsible Official Name: Jose A. Zamperlini
2. Application Responsible Official Qualification (Check one or more of the following options, as applicable): <input checked="" type="checkbox"/> For a corporation, the president, secretary, treasurer, or vice-president of the corporation in charge of a principal business function, or any other person who performs similar policy or decision-making functions for the corporation, or a duly authorized representative of such person if the representative is responsible for the overall operation of one or more manufacturing, production, or operating facilities applying for or subject to a permit under Chapter 62-213, F.A.C. <input type="checkbox"/> For a partnership or sole proprietorship, a general partner or the proprietor, respectively. <input type="checkbox"/> For a municipality, county, state, federal, or other public agency, either a principal executive officer or ranking elected official. <input type="checkbox"/> The designated representative at an Acid Rain source.
3. Application Responsible Official Mailing Address... Organization/Firm: Cutrale Citrus Juices USA, Inc. Street Address: 11 Cloud Street City: Leesburg State: Florida Zip Code: 34748
4. Application Responsible Official Telephone Numbers... Telephone: (352) - 728 - 7820 ext. Fax: (352) 728 - 7840
5. Application Responsible Official Email Address: :
6. Application Responsible Official Certification: <i>I, the undersigned, am a responsible official of the Title V source addressed in this air permit application. I hereby certify, based on information and belief formed after reasonable inquiry, that the statements made in this application are true, accurate and complete and that, to the best of my knowledge, any estimates of emissions reported in this application are based upon reasonable techniques for calculating emissions. The air pollutant emissions units and air pollution control equipment described in this application will be operated and maintained so as to comply with all applicable standards for control of air pollutant emissions found in the statutes of the State of Florida and rules of the Department of Environmental Protection and revisions thereof and all other applicable requirements identified in this application to which the Title V source is subject. I understand that a permit, if granted by the department, cannot be transferred without authorization from the department, and I will promptly notify the department upon sale or legal transfer of the facility or any permitted emissions unit. Finally, I certify that the facility and each emissions unit are in compliance with all applicable requirements to which they are subject, except as identified in compliance plan(s) submitted with this application.</i> Signature  Date <u>06.15.09</u>

APPLICATION INFORMATION

Professional Engineer Certification

1. Professional Engineer Name: Kenneth E. Given Registration Number: 23203
2. Professional Engineer Mailing Address... Organization/Firm: Air Testing & Consulting, Inc. Street Address: 333 Falkenburg Road North Unit B-214 City: Tampa State: Florida Zip Code: 33619
3. Professional Engineer Telephone Numbers... Telephone: (813) 651 - 0878 ext. Fax: (813) 653 - 9082
4. Professional Engineer Email Address: <u>airtest@verizon.net</u>
5. Professional Engineer Statement: <i>I, the undersigned, hereby certify, except as particularly noted herein*, that:</i> <p>(1) <i>To the best of my knowledge, there is reasonable assurance that the air pollutant emissions unit(s) and the air pollution control equipment described in this application for air permit, when properly operated and maintained, will comply with all applicable standards for control of air pollutant emissions found in the Florida Statutes and rules of the Department of Environmental Protection; and</i></p> <p>(2) <i>To the best of my knowledge, any emission estimates reported or relied on in this application are true, accurate, and complete and are either based upon reasonable techniques available for calculating emissions or, for emission estimates of hazardous air pollutants not regulated for an emissions unit addressed in this application, based solely upon the materials, information and calculations submitted with this application.</i></p> <p>(3) <i>If the purpose of this application is to obtain a Title V air operation permit (check here <input checked="" type="checkbox"/>, if so), I further certify that each emissions unit described in this application for air permit, when properly operated and maintained, will comply with the applicable requirements identified in this application to which the unit is subject, except those emissions units for which a compliance plan and schedule is submitted with this application.</i></p> <p>(4) <i>If the purpose of this application is to obtain an air construction permit (check here <input type="checkbox"/>, if so) or concurrently process and obtain an air construction permit and a Title V air operation permit revision or renewal for one or more proposed new or modified emissions units (check here <input type="checkbox"/>, if so), I further certify that the engineering features of each such emissions unit described in this application have been designed or examined by me or individuals under my direct supervision and found to be in conformity with sound engineering principles applicable to the control of emissions of the air pollutants characterized in this application.</i></p> <p>(5) <i>If the purpose of this application is to obtain an initial air operation permit or operation permit revision or renewal for one or more newly constructed or modified emissions units (check here <input type="checkbox"/>, if so), I further certify that, with the exception of any changes detailed as part of this application, each such emissions unit has been constructed or modified in substantial accordance with the information given in the corresponding application for air construction permit and with all provisions contained in such permit.</i></p> <p>Signature: <u>Kenneth E. Given</u> Date: <u>5-20-04</u></p> <p>(seal)</p>

* Attach any exception to certification statement.

FACILITY INFORMATION

FACILITY INFORMATION

Facility Regulatory Classifications

Check all that would apply *following* completion of all projects and implementation of all other changes proposed in this application for air permit. Refer to instructions to distinguish between a “major source” and a “synthetic minor source.”

1. <input type="checkbox"/> Small Business Stationary Source	<input type="checkbox"/> Unknown
2. <input type="checkbox"/> Synthetic Non-Title V Source	
3. <input checked="" type="checkbox"/> Title V Source	
4. <input checked="" type="checkbox"/> Major Source of Air Pollutants, Other than Hazardous Air Pollutants (HAPs)	
5. <input type="checkbox"/> Synthetic Minor Source of Air Pollutants, Other than HAPs	
6. <input type="checkbox"/> Major Source of Hazardous Air Pollutants (HAPs)	
7. <input type="checkbox"/> Synthetic Minor Source of HAPs	
8. <input checked="" type="checkbox"/> One or More Emissions Units Subject to NSPS (40 CFR Part 60)	
9. <input type="checkbox"/> One or More Emissions Units Subject to Emission Guidelines (40 CFR Part 60)	
10. <input type="checkbox"/> One or More Emissions Units Subject to NESHAP (40 CFR Part 61 or Part 63)	
11. <input type="checkbox"/> Title V Source Solely by EPA Designation (40 CFR 70.3(a)(5))	
12. Facility Regulatory Classifications Comment:	

FACILITY INFORMATION

List of Pollutants Emitted by Facility

1. Pollutant Emitted	2. Pollutant Classification	3. Emissions Cap [Y or N]?
PM	A	N
NOx	A	N
SO2	A	N
CO	A	N
VOC	A	N

FACILITY INFORMATION

C. FACILITY ADDITIONAL INFORMATION

Additional Requirements for All Applications, Except as Otherwise Stated

1. Facility Plot Plan: (Required for all permit applications, except Title V air operation permit revision applications if this information was submitted to the department within the previous five years and would not be altered as a result of the revision being sought) <input checked="" type="checkbox"/> Attached, Document ID: <u>A</u> <input type="checkbox"/> Previously Submitted, Date: _____
2. Process Flow Diagram(s): (Required for all permit applications, except Title V air operation permit revision applications if this information was submitted to the department within the previous five years and would not be altered as a result of the revision being sought) <input checked="" type="checkbox"/> Attached, Document ID: <u>B</u> <input type="checkbox"/> Previously Submitted, Date: _____
3. Precautions to Prevent Emissions of Unconfined Particulate Matter: (Required for all permit applications, except Title V air operation permit revision applications if this information was submitted to the department within the previous five years and would not be altered as a result of the revision being sought) <input checked="" type="checkbox"/> Attached, Document ID: <u>C</u> <input type="checkbox"/> Previously Submitted, Date: _____

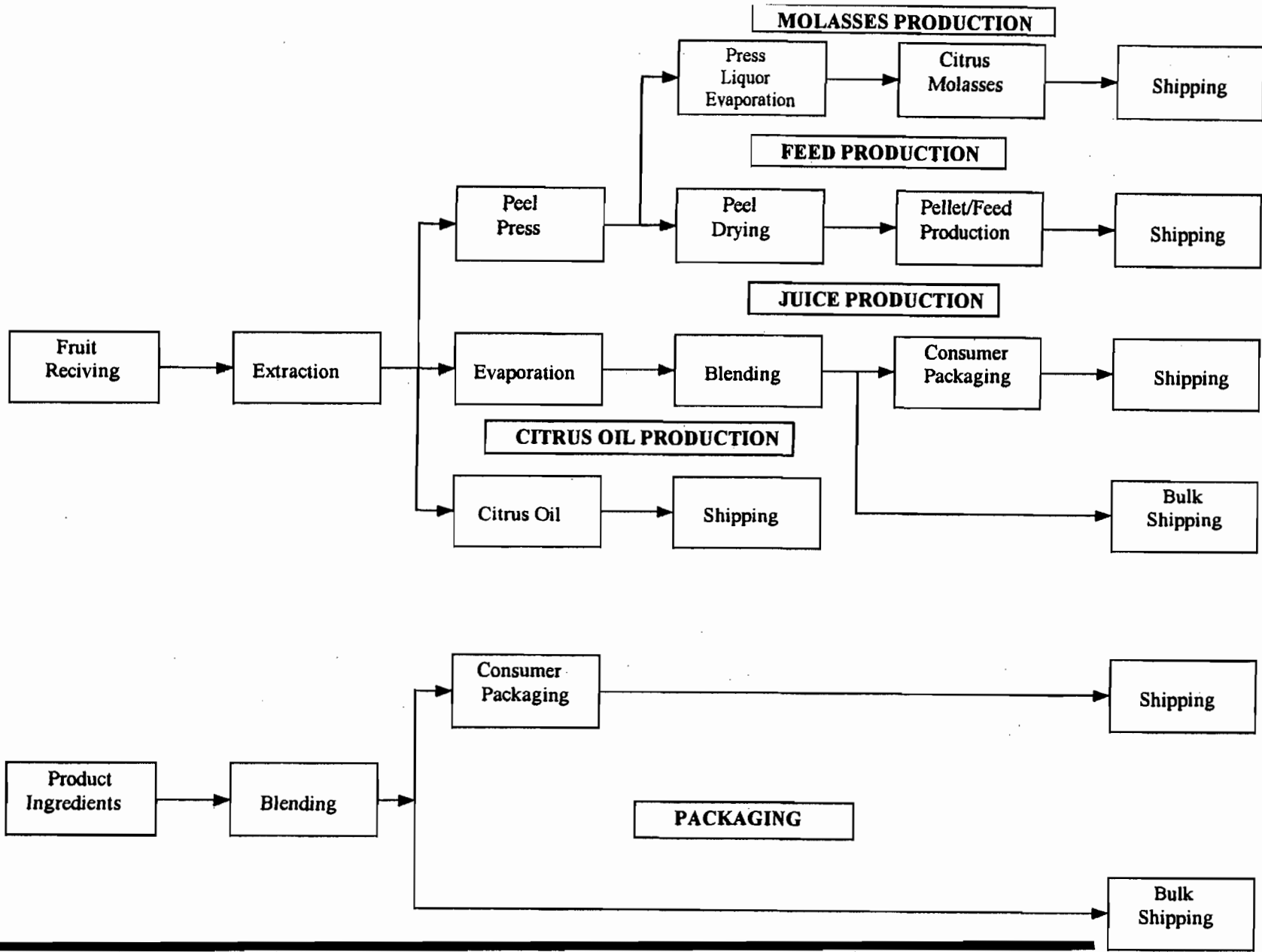
Additional Requirements for Air Construction Permit Applications

1. Area Map Showing Facility Location: <input type="checkbox"/> Attached, Document ID: _____ <input type="checkbox"/> Not Applicable (existing permitted facility)
2. Description of Proposed Construction or Modification: <input type="checkbox"/> Attached, Document ID: _____
3. Rule Applicability Analysis: <input type="checkbox"/> Attached, Document ID: _____
4. List of Exempt Emissions Units (Rule 62-210.300(3)(a) or (b)1., F.A.C.): <input type="checkbox"/> Attached, Document ID: _____ <input type="checkbox"/> Not Applicable (no exempt units at facility)
5. Fugitive Emissions Identification (Rule 62-212.400(2), F.A.C.): <input type="checkbox"/> Attached, Document ID: _____ <input type="checkbox"/> Not Applicable
6. Preconstruction Air Quality Monitoring and Analysis (Rule 62-212.400(5)(f), F.A.C.): <input type="checkbox"/> Attached, Document ID: _____ <input type="checkbox"/> Not Applicable
7. Ambient Impact Analysis (Rule 62-212.400(5)(d), F.A.C.): <input type="checkbox"/> Attached, Document ID: _____ <input type="checkbox"/> Not Applicable
8. Air Quality Impact since 1977 (Rule 62-212.400(5)(h)5., F.A.C.): <input type="checkbox"/> Attached, Document ID: _____ <input type="checkbox"/> Not Applicable
9. Additional Impact Analyses (Rules 62-212.400(5)(e)1. and 62-212.500(4)(e), F.A.C.): <input type="checkbox"/> Attached, Document ID: _____ <input type="checkbox"/> Not Applicable
10. Alternative Analysis Requirement (Rule 62-212.500(4)(g), F.A.C.): <input type="checkbox"/> Attached, Document ID: _____ <input type="checkbox"/> Not Applicable

**FACILITY SUPPLEMENTAL
INFORMATION**

A - FACILITY PLOT PLAN

B - PROCESS FLOW DIAGRAM



PROCESS FLOW DIAGRAM- CUTRALE CITRUS JUICES USA - LEESBURG

**C - PRECAUTIONS TO
PREVENT EMISSIONS OF
UNCONFINED PARTICULATE
MATTER**

Precautions To Prevent Emissions of Unconfined Particulate Matter

Cutrale Citrus Juices USA has taken and will continue to take reasonable precautions to prevent emissions of unconfined particulate matter such as:

- Paving and maintenance of roads, parking areas and yards.
- Application of water or non-hazardous chemicals to control emissions from such activities as demolition of buildings, grading roads, construction, and land clearing.
- Application of water or non-hazardous chemicals or other dust suppressants to unpaved roads, yards, open stock piles and similar activities.
- Removal of particulate matter from roads and other paved areas to prevent reentrainment, and from buildings or work areas to prevent particulate from becoming airborne.
- Use of hoods, fans, filters, and similar equipment to contain, capture and/or vent particulate matter.
- Confine abrasive blasting where possible.
- Enclosures or covers on conveyor systems.

**D - INSIGNIFICANT
ACTIVITIES**

**CUTRALE CITRUS JUICES USA - LEESBURG
LIST OF INSIGNIFICANT ACTIVITIES**

LOCATION	PROCESS/ACTIVITY	EXPLANATION
Warehouses	Work Area	Estimated PM < 5 TPY
Fruit Receiving	Fruit Unloading and Storage	Estimated PM < 5 TPY
Juice Extraction	Juice Recovery	Estimated VOC <5 TPY
Juice Processing	Filtering, storage, etc. Diesel Storage Tank Extraction Work Area, Centrifuge	Estimated PM < 5 TPY Estimated VOC < 5 TPY Estimated VOC < 5 TPY
Feed Mill	Lime handling (unloading, storage, mixing with peel) Barometric System Cooling Towers Peel Bins and Conveyors Work Area Dried Feed Handling Dried Feed Loading	Estimated PM < 5 TPY Estimated VOC <5 TPY Estimated VOC <5 TPY Inside Building Inside Building Estimated PM < 5 TPY
Maintenance	Parts Washing	Estimated VOC <5 TPY
Cold Storage	Cooling System	Exempt per 62-210.300(3)8
Primary Freezer	Refrigeration	Exempt per 62-210.300(3)8
Concentrate Packaging/Blending	Barometric System Cooling Towers, Vacuum Vent	Estimated VOC <5 TPY
Concentrate Packaging/Lab	Inks, Adhesives	Estimated VOC <5 TPY
Refrigeration Engine Room	Compressors, Condensers	Exempt per 62-210.300(3)8
Tech. Lab	Hoods, Sink Drain Vents	Estimated VOC <5 TPY
Feedmill Pellet Storage	Pellet Piles	Inside Building
Concentrate Storage Building	Concentrate Tanks	Estimated VOC <5 TPY
Outdoors	#6 Fuel Oil Storage Diesel Storage Tank Sucrose and Fructose Tanks	Estimated VOC <5 TPY Estimated VOC <5 TPY Estimated VOC <5 TPY
Essence Tank Farm	Tanks	Estimated VOC <5 TPY
Wastewater System	Wastewater Collection. Treatment and Disposal	Estimated VOC <5 TPY
Waste Heat Evaporators	Vacuum Vent	Estimated VOC <5 TPY

LOCATION	PROCESS/ACTIVITY	EXPLANATION
Plant-wide	Diesel Generators	Emergency Use Only
Plant-wide Storage Tanks not listed above -	Juice Citrus Oils Sugar Additives Juice By-product Fruit Pulp Propylene Glycol #6 Fuel Oil Diesel Gasoline Propane Lubricants Petroleum Oils	Estimated VOC <5 TPY Estimated VOC <5 TPY Estimated VOC <5 TPY Estimated VOC <5 TPY Estimated VOC <5 TPY Estimated VOC <5 TPY Estimated VOC <5 TPY Estimated VOC <5 TPY Estimated VOC <5 TPY Relief vent only Estimated VOC <5 TPY Estimated VOC <5 TPY

**E – IDENTIFICATION OF
APPLICABLE REQUIREMENTS**

List of Applicable Regulations

Federal: Title V Core List	Major Facility Regulations - effective 3/25/96 as issued by DEP (copy attached)
40CFR60, NSPS Subpart A	General Provisions
State: 62-4, F.A.C.	Permitting Requirements
62-210.350(1)(a)(1) , F.A.C.	Public Notice for Construction Permit
62-297.620, F.A.C.	Exceptions and Approval of Alternate Procedures and Requirements
62-210.700, F.A.C.	Excess Emissions
62-212.300, F.A.C.	General Preconstruction Review Requirements
62-297.401, F.A.C.	EPA Test Procedures
62-297.310, F.A.C.	General Test Requirements
62-297.400, F.A.C.	EPA Methods Adopted by Reference
62-212.400	Prevention of Significant Deterioration (PSD)
Title V Core List	Major Facility Regulations - effective 3/25/96 as issued by DEP (copy attached)
Local: None	



TITLE V CORE LIST

[Note: The Title V Core List is meant to simplify the completion of the "List of Applicable Regulations" for DEP Form No. 62-210.900(1), Application for Air Permit - Long Form. The Title V Core List is a list of rules to which all Title V Sources are presumptively subject. The Title V Core List may be referenced in its entirety, or with specific exceptions. The Department may periodically update the Title V Core List.]

Federal: (description)

40 CFR 61: National Emission Standards for Hazardous Air Pollutants (NESHAP)
40 CFR 61, Subpart M: National Emission Standard for Asbestos.

40 CFR 82: Protection of Stratospheric Ozone.
40 CFR 82, Subpart B: Servicing of Motor Vehicle Air Conditioners (MVAC).
40 CFR 82, Subpart F: Recycling and Emissions Reduction.

State: (description)

CHAPTER 62-4, F.A.C.: PERMITS, effective 10-16-95

62-4.030, F.A.C.: General Prohibition.
62-4.040, F.A.C.: Exemptions.
62-4.050, F.A.C.: Procedure to Obtain Permits; Application.
62-4.060, F.A.C.: Consultation.
62-4.070, F.A.C.: Standards for Issuing or Denying Permits; Issuance; Denial.
62-4.080, F.A.C.: Modification of Permit Conditions.
62-4.090, F.A.C.: Renewals.
62-4.100, F.A.C.: Suspension and Revocation.
62-4.110, F.A.C.: Financial Responsibility.
62-4.120, F.A.C.: Transfer of Permits.
62-4.130, F.A.C.: Plant Operation - Problems.
62-4.150, F.A.C.: Review.
62-4.160, F.A.C.: Permit Conditions.
62-4.210, F.A.C.: Construction Permits.
62-4.220, F.A.C.: Operation Permit for New Sources.

**CHAPTER 62-103, F.A.C.: RULES OF ADMINISTRATIVE PROCEDURE,
effective 12-31-95**

62-103.150, F.A.C.: Public Notice of Application and Proposed Agency Action.
62-103.155, F.A.C.: Petition for Administrative Hearing; Waiver of Right to
Administrative Proceeding.

CHAPTER 62-210, F.A.C.: STATIONARY SOURCES - GENERAL REQUIREMENTS, effective 03-21-96

62-210.300, F.A.C.: Permits Required.
62-210.300(1), F.A.C.: Air Construction Permits.
62-210.300(2), F.A.C.: Air Operation Permits.
62-210.300(3), F.A.C.: Exemptions.
62-210.300(3)(a), F.A.C.: Full Exemptions.
62-210.300(3)(b), F.A.C.: Temporary Exemption.

62-210.300(5), F.A.C.: Notification of Startup.
62-210.300(6), F.A.C.: Emissions Unit Reclassification.

62-210.350, F.A.C.: Public Notice and Comment.
62-210.350(3), F.A.C.: Additional Public Notice Requirements for Facilities Subject to Operation Permits for Title V Sources.

62-210.360, F.A.C.: Administrative Permit Corrections.

62-210.370(3), F.A.C.: Annual Operating Report for Air Pollutant Emitting Facility.

62-210.650, F.A.C.: Circumvention.

62-210.900, F.A.C.: Forms and Instructions.
62-210.900(1) Application for Air Permit - Long Form, Form and Instructions.
62-210.900(5) Annual Operating Report for Air Pollutant Emitting Facility, Form and Instructions.

CHAPTER 62-213, F.A.C.: OPERATION PERMITS FOR MAJOR SOURCES OF AIR POLLUTION, effective 03-20-96

62-213.205, F.A.C.: Annual Emissions Fee.
62-213.400, F.A.C.: Permits and Permit Revisions Required.
62-213.410, F.A.C.: Changes Without Permit Revision.
62-213.412, F.A.C.: Immediate Implementation Pending Revision Process.
62-213.420, F.A.C.: Permit Applications.
62-213.430, F.A.C.: Permit Issuance, Renewal, and Revision.
62-213.440, F.A.C.: Permit Content.
62-213.460, F.A.C.: Permit Shield.

62-213.900, F.A.C.: Forms and Instructions.
62-213.900(1) Major Air Pollution Source Annual Emissions Fee Form, Form and Instructions.

CHAPTER 62-256, F.A.C.: OPEN BURNING AND FROST PROTECTION FIRES, effective 11-30-94

CHAPTER 62-257, F.A.C.: ASBESTOS NOTIFICATION AND FEE, effective 03/24/96

CHAPTER 62-281, F.A.C.: MOTOR VEHICLE AIR CONDITIONING REFRIGERANT RECOVERY AND RECYCLING, effective 03-07-96

CHAPTER 62-296, F.A.C.: STATIONARY SOURCES - EMISSION STANDARDS, effective 03-13-96

62-296.320(2), F.A.C.: Objectionable Odor Prohibited.

62-296.320(3), F.A.C.: Industrial, Commercial, and Municipal Open Burning Prohibited.

62-296.320(4)(c), F.A.C.: Unconfined Emissions of Particulate Matter.

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F - COMPLIANCE REPORT

Compliance Report

Permit Number / Emission Unit	Compliance Status
EU ID: 004 BOILER No. 4	In compliance with all applicable requirements based on annual testing and AOR.
EU ID: 005 DRYER/WASTE HEAT EVAPORATOR	In compliance with all applicable requirements based on annual testing and AOR.
EU ID: 007 COGENERATION SYSTEM	In compliance with all applicable requirements based on annual testing and AOR.
EU ID: 006 CITRUS PEEL COOLER	In compliance with all applicable requirements based on annual testing and AOR.

**G – VERIFICATION OF RISK
MANAGEMENT PLAN
SUBMISSION TO EPA**

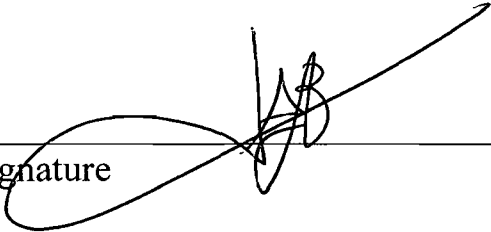
Risk Management Plan Submission

This facility is subject to section 112 (r) of the Clean Air Act and is required to submit a risk management plan. The plan is being prepared and will be submitted prior to the due date of June 1, 2004.

**H - COMPLIANCE
CERTIFICATION**

Compliance Certification

"I, the undersigned, am the responsible official as defined in Chapter 62-210.200, F.A.C., of the Title V source for which this report is being submitted. I hereby certify, based on information and belief formed after reasonable inquiry, that the statements made and data contained in this report are true, accurate, and complete."



Signature

06.15.04

Date

JOSE A. ZAMPERLINI

Printed Name

PLANT MANAGER

Title

Department of Environmental Protection

Division of Air Resource Management

STATEMENT OF COMPLIANCE - TITLE V SOURCE



REASON FOR SUBMISSION (Check one to indicate why this statement of compliance is being submitted)

<input checked="" type="checkbox"/> Annual Requirement	<input type="checkbox"/> Transfer of Permit	<input type="checkbox"/> Permanent Facility Shutdown
--	---	--

REPORTING PERIOD*	REPORT DEADLINE**
JANUARY 1 through JUNE 15 of 2004 (year)	_____

*The statement of compliance must cover all conditions that were in effect during the indicated reporting period, including any conditions that were added, deleted, or changed through permit revision.

**See Rule 62-213.440(3)(a)2., F.A.C.

Facility Owner/Company Name: CUTRALE CITRUS JUICES USA

Site Name: LEESBURG Facility ID No. 0690002 County: LAKE

COMPLIANCE STATEMENT (Check only one of the following three options)

A. This facility was in compliance with all terms and conditions of the Title V Air Operation Permit and, if applicable, the Acid Rain Part, and there were no reportable incidents of deviations from applicable requirements associated with any malfunction or breakdown of process, fuel burning or emission control equipment, or monitoring systems during the reporting period identified above.

B. This facility was in compliance with all terms and conditions of the Title V Air Operation Permit and, if applicable, the Acid Rain Part; however, there were one or more reportable incidents of deviations from applicable requirements associated with malfunctions or breakdowns of process, fuel burning or emission control equipment, or monitoring systems during the reporting period identified above, which were reported to the Department. For each incident of deviation, the following information is included:

1. Date of report previously submitted identifying the incident of deviation.
2. Description of the incident.

C. This facility was in compliance with all terms and conditions of the Title V Air Operation Permit and, if applicable, the Acid Rain Part, EXCEPT those identified in the pages attached to this report and any reportable incidents of deviations from applicable requirements associated with malfunctions or breakdowns of process, fuel burning or emission control equipment, or monitoring systems during the reporting period identified above, which were reported to the Department. For each item of noncompliance, the following information is included:

1. Emissions unit identification number.
2. Specific permit condition number (note whether the permit condition has been added, deleted, or changed during certification period).
3. Description of the requirement of the permit condition.
4. Basis for the determination of noncompliance (for monitored parameters, indicate whether monitoring was continuous, i.e., recorded at least every 15 minutes, or intermittent).
5. Beginning and ending dates of periods of noncompliance.
6. Identification of the probable cause of noncompliance and description of corrective action or preventative measures implemented.
7. Dates of any reports previously submitted identifying this incident of noncompliance.

For each incident of deviation, as described in paragraph **B.** above, the following information is included:

1. Date of report previously submitted identifying the incident of deviation.
2. Description of the incident.

STATEMENT OF COMPLIANCE - TITLE V SOURCE

RESPONSIBLE OFFICIAL CERTIFICATION

I, the undersigned, am a responsible official (Title V air permit application or responsible official notification form on file with the Department) of the Title V source for which this document is being submitted. With respect to all matters other than Acid Rain program requirements, I hereby certify, based on the information and belief formed after reasonable inquiry, that the statements made and data contained in this document are true, accurate, and complete.

(Signature of Title V Source Responsible Official)

06.11.05

(Date)

Name: JOSE A. ZAMPERLINI Title: PLANT MANAGER

DESIGNATED REPRESENTATIVE CERTIFICATION (only applicable to Acid Rain source)

I, the undersigned, am authorized to make this submission on behalf of the owners and operators of the Acid Rain source or Acid Rain units for which the submission is made. I certify under penalty of law that I have personally examined, and am familiar with, the statements and information submitted in this document and all its attachments. Based on my inquiry of those individuals with primary responsibility for obtaining the information, I certify that the statements and information are to the best of my knowledge and belief true, accurate, and complete. I am aware that there are significant penalties for submitting false statements and information or omitting required statements and information, including the possibility of fine or imprisonment.

(Signature of Acid Rain Source Designated Representative)

(Date)

Name: _____ Title: _____

{Note: Attachments, if required, are created by a responsible official or designated representative, as appropriate, and should consist of the information specified and any supporting records. Additional information may also be attached by a responsible official or designated representative when elaboration is required for clarity. This report is to be submitted to both the compliance authority (DEP district or local air program) and the U.S. Environmental Protection Agency (EPA) (U.S. EPA Region 4, Air and EPCRA Enforcement Branch, 61 Forsyth Street, Atlanta GA 30303).}

**EMISSIONS UNITS
INFORMATION**

**EMISSION UNIT NO. 1 -
BOILER #4**

EMISSIONS UNIT INFORMATION

Section [1] of [4]

A. GENERAL EMISSIONS UNIT INFORMATION

Title V Air Operation Permit Emissions Unit Classification

1. Regulated or Unregulated Emissions Unit? (Check one, if applying for an initial, revised or renewal Title V air operation permit. Skip this item if applying for an air construction permit or FESOP only.)

The emissions unit addressed in this Emissions Unit Information Section is a regulated emissions unit.

The emissions unit addressed in this Emissions Unit Information Section is an unregulated emissions unit.

Emissions Unit Description and Status

1. Type of Emissions Unit Addressed in this Section: (Check one)

This Emissions Unit Information Section addresses, as a single emissions unit, a single process or production unit, or activity, which produces one or more air pollutants and which has at least one definable emission point (stack or vent).

This Emissions Unit Information Section addresses, as a single emissions unit, a group of process or production units and activities which has at least one definable emission point (stack or vent) but may also produce fugitive emissions.

This Emissions Unit Information Section addresses, as a single emissions unit, one or more process or production units and activities which produce fugitive emissions only.

2. Description of Emissions Unit Addressed in this Section: B&W Steam Boiler No. 4 rated at 78 MMBtu/hr

3. Emissions Unit Identification Number: 004

4. Emissions Unit Status Code: A	5. Commence Construction Date:	6. Initial Startup Date: 1998	7. Emissions Unit Major Group SIC Code: 20	8. Acid Rain Unit? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
-------------------------------------	--------------------------------	----------------------------------	---	--

9. Package Unit:
Manufacturer: B&W Model Number: 1079

10. Generator Nameplate Rating: MW

11. Emissions Unit Comment:

EMISSIONS UNIT INFORMATION

Section [1] of [4]

Emissions Unit Control Equipment

1. Control Equipment/Method(s) Description:

N/A

2. Control Device or Method Code(s):

EMISSIONS UNIT INFORMATION

Section [1] of [4]

C. EMISSION POINT (STACK/VENT) INFORMATION
(Optional for unregulated emissions units.)**Emission Point Description and Type**

1. Identification of Point on Plot Plan or Flow Diagram: 004		2. Emission Point Type Code: 1			
3. Descriptions of Emission Points Comprising this Emissions Unit for VE Tracking:					
4. ID Numbers or Descriptions of Emission Units with this Emission Point in Common:					
5. Discharge Type Code: V		6. Stack Height: 25 feet		7. Exit Diameter: 6 feet	
8. Exit Temperature: 450°F		9. Actual Volumetric Flow Rate: 26,000 acfm		10. Water Vapor: %	
11. Maximum Dry Standard Flow Rate: dscfm			12. Nonstack Emission Point Height: feet		
13. Emission Point UTM Coordinates... Zone: East (km): North (km):			14. Emission Point Latitude/Longitude... Latitude (DD/MM/SS) Longitude (DD/MM/SS)		
15. Emission Point Comment:					

EMISSIONS UNIT INFORMATION

Section [1] of [4]

D. SEGMENT (PROCESS/FUEL) INFORMATION

Segment Description and Rate: Segment 1 of 3

1. Segment Description (Process/Fuel Type): Firing natural gas		
2. Source Classification Code (SCC): 1-02-006-02		3. SCC Units: MMCF Burned
4. Maximum Hourly Rate: 0.074	5. Maximum Annual Rate: 542	6. Estimated Annual Activity Factor:
7. Maximum % Sulfur:	8. Maximum % Ash:	9. Million Btu per SCC Unit: 1050
10. Segment Comment:		

Segment Description and Rate: Segment 2 of 3

1. Segment Description (Process/Fuel Type): Boiler fired with fuel oil with a maximum of 0.5% sulfur		
2. Source Classification Code (SCC): 1-02-005-01		3. SCC Units: Mgal Burned
4. Maximum Hourly Rate: 0.557	5. Maximum Annual Rate: 229	6. Estimated Annual Activity Factor:
7. Maximum % Sulfur: 0.5	8. Maximum % Ash:	9. Million Btu per SCC Unit: 140
10. Segment Comment:		

EMISSIONS UNIT INFORMATION

Section [2] of [10]

D. SEGMENT (PROCESS/FUEL) INFORMATION (CONTINUED)

Segment Description and Rate: Segment 3 of 3

1. Segment Description (Process/Fuel Type): Dryer fired with fuel oil		
2. Source Classification Code (SCC): 1-02-005-01		3. SCC Units: Mgal Burned
4. Maximum Hourly Rate: 0.557	5. Maximum Annual Rate: 3,730	6. Estimated Annual Activity Factor:
7. Maximum % Sulfur: 0.05	8. Maximum % Ash:	9. Million Btu per SCC Unit: 140
10. Segment Comment:		

Segment Description and Rate: Segment _____ of _____

1. Segment Description (Process/Fuel Type):		
2. Source Classification Code (SCC):		3. SCC Units:
4. Maximum Hourly Rate:	5. Maximum Annual Rate:	6. Estimated Annual Activity Factor:
7. Maximum % Sulfur:	8. Maximum % Ash:	9. Million Btu per SCC Unit:
10. Segment Comment:		

**F2. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION -
ALLOWABLE EMISSIONS**

Complete if the pollutant identified in Subsection F1 is or would be subject to a numerical emissions limitation.

Allowable Emissions Allowable Emissions ___ of ___

1. Basis for Allowable Emissions Code:	2. Future Effective Date of Allowable Emissions:
3. Allowable Emissions and Units:	4. Equivalent Allowable Emissions: lb/hour tons/year
5. Method of Compliance:	
6. Allowable Emissions Comment (Description of Operating Method):	

Allowable Emissions Allowable Emissions ___ of ___

1. Basis for Allowable Emissions Code:	2. Future Effective Date of Allowable Emissions:
3. Allowable Emissions and Units:	4. Equivalent Allowable Emissions:
5. Method of Compliance:	
6. Allowable Emissions Comment (Description of Operating Method):	

Allowable Emissions Allowable Emissions ___ of ___

1. Basis for Allowable Emissions Code:	2. Future Effective Date of Allowable Emissions:
3. Allowable Emissions and Units:	4. Equivalent Allowable Emissions: lb/hour tons/year
5. Method of Compliance:	
6. Allowable Emissions Comment (Description of Operating Method):	

**F2. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION -
 ALLOWABLE EMISSIONS**

Complete if the pollutant identified in Subsection F1 is or would be subject to a numerical emissions limitation.

Allowable Emissions Allowable Emissions __ of __

1. Basis for Allowable Emissions Code:	2. Future Effective Date of Allowable Emissions:
3. Allowable Emissions and Units:	4. Equivalent Allowable Emissions: lb/hour tons/year
5. Method of Compliance:	
6. Allowable Emissions Comment (Description of Operating Method):	

Allowable Emissions Allowable Emissions __ of __

1. Basis for Allowable Emissions Code:	2. Future Effective Date of Allowable Emissions:
3. Allowable Emissions and Units:	4. Equivalent Allowable Emissions:
5. Method of Compliance:	
6. Allowable Emissions Comment (Description of Operating Method):	

Allowable Emissions Allowable Emissions _____ of _____

1. Basis for Allowable Emissions Code:	2. Future Effective Date of Allowable Emissions:
3. Allowable Emissions and Units:	4. Equivalent Allowable Emissions: lb/hour tons/year
5. Method of Compliance:	
6. Allowable Emissions Comment (Description of Operating Method):	

EMISSIONS UNIT INFORMATION

Section [1] of [4]

G. VISIBLE EMISSIONS INFORMATION

Complete if this emissions unit is or would be subject to a unit-specific visible emissions limitation.

Visible Emissions Limitation: Visible Emissions Limitation 1 of 1

1. Visible Emissions Subtype: VE20	2. Basis for Allowable Opacity: <input checked="" type="checkbox"/> Rule <input type="checkbox"/> Other
3. Allowable Opacity: Normal Conditions: 20 % Exceptional Conditions: 40 % Maximum Period of Excess Opacity Allowed: 2 min/hour	
4. Method of Compliance: DEP Method 9	
5. Visible Emissions Comment: 62-296.406(1), F.A.C.	

Visible Emissions Limitation: Visible Emissions Limitation ____ of ____

1. Visible Emissions Subtype:	2. Basis for Allowable Opacity: <input type="checkbox"/> Rule <input type="checkbox"/> Other
3. Allowable Opacity: Normal Conditions: % Exceptional Conditions: % Maximum Period of Excess Opacity Allowed: min/hour	
4. Method of Compliance:	
5. Visible Emissions Comment:	

EMISSIONS UNIT INFORMATION

Section [1] of [4]

H. CONTINUOUS MONITOR INFORMATION

Complete if this emissions unit is or would be subject to continuous monitoring.

Continuous Monitoring System: Continuous Monitor _____ of _____

1. Parameter Code:	2. Pollutant(s):
3. CMS Requirement:	<input type="checkbox"/> Rule <input type="checkbox"/> Other
4. Monitor Information... Manufacturer: Model Number: Serial Number:	
5. Installation Date:	6. Performance Specification Test Date:
7. Continuous Monitor Comment:	

Continuous Monitoring System: Continuous Monitor _____ of _____

1. Parameter Code:	2. Pollutant(s):
3. CMS Requirement:	<input type="checkbox"/> Rule <input type="checkbox"/> Other
4. Monitor Information... Manufacturer: Model Number: Serial Number:	
5. Installation Date:	6. Performance Specification Test Date:
7. Continuous Monitor Comment:	

EMISSIONS UNIT INFORMATION

Section [1] of [4]

H. CONTINUOUS MONITOR INFORMATION (CONTINUED)

Complete if this emissions unit is or would be subject to continuous monitoring.

Continuous Monitoring System: Continuous Monitor _____ of _____

1. Parameter Code:	2. Pollutant(s):
3. CMS Requirement:	<input type="checkbox"/> Rule <input type="checkbox"/> Other
4. Monitor Information... Manufacturer: Model Number: Serial Number:	
5. Installation Date:	6. Performance Specification Test Date:
7. Continuous Monitor Comment:	

Continuous Monitoring System: Continuous Monitor _____ of _____

1. Parameter Code:	2. Pollutant(s):
3. CMS Requirement:	<input type="checkbox"/> Rule <input type="checkbox"/> Other
4. Monitor Information... Manufacturer: Model Number: Serial Number:	
5. Installation Date:	6. Performance Specification Test Date:
7. Continuous Monitor Comment:	

EMISSIONS UNIT INFORMATION

Section [1] of [4]

I. EMISSIONS UNIT ADDITIONAL INFORMATION

Additional Requirements for All Applications, Except as Otherwise Stated

1. Process Flow Diagram (Required for all permit applications, except Title V air operation permit revision applications if this information was submitted to the department within the previous five years and would not be altered as a result of the revision being sought) <input checked="" type="checkbox"/> Attached, Document ID: <u>1A</u> <input type="checkbox"/> Previously Submitted, Date _____
2. Fuel Analysis or Specification (Required for all permit applications, except Title V air operation permit revision applications if this information was submitted to the department within the previous five years and would not be altered as a result of the revision being sought) <input checked="" type="checkbox"/> Attached, Document ID: <u>1B</u> <input type="checkbox"/> Previously Submitted, Date _____
3. Detailed Description of Control Equipment (Required for all permit applications, except Title V air operation permit revision applications if this information was submitted to the department within the previous five years and would not be altered as a result of the revision being sought) <input type="checkbox"/> Attached, Document ID: <u>1C</u> <input type="checkbox"/> Previously Submitted, Date _____
4. Procedures for Startup and Shutdown (Required for all operation permit applications, except Title V air operation permit revision applications if this information was submitted to the department within the previous five years and would not be altered as a result of the revision being sought) <input type="checkbox"/> Attached, Document ID: <u> </u> <input type="checkbox"/> Previously Submitted, Date _____ <input checked="" type="checkbox"/> Not Applicable (construction application)
5. Operation and Maintenance Plan (Required for all permit applications, except Title V air operation permit revision applications if this information was submitted to the department within the previous five years and would not be altered as a result of the revision being sought) <input type="checkbox"/> Attached, Document ID: <u> </u> <input type="checkbox"/> Previously Submitted, Date _____ <input checked="" type="checkbox"/> Not Applicable
6. Compliance Demonstration Reports/Records <input type="checkbox"/> Attached, Document ID: _____ Test Date(s)/Pollutant(s) Tested: _____ <input checked="" type="checkbox"/> Previously Submitted, Date: _____ Test Date(s)/Pollutant(s) Tested: <u>FEB. 9, 2004/VE</u> <input type="checkbox"/> To be Submitted, Date (if known): _____ Test Date(s)/Pollutant(s) Tested: _____ <input type="checkbox"/> Not Applicable Note: For FESOP applications, all required compliance demonstration records/reports must be submitted at the time of application. For Title V air operation permit applications, all required compliance demonstration reports/records must be submitted at the time of application, or a compliance plan must be submitted at the time of application.
7. Other Information Required by Rule or Statute <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable

EMISSIONS UNIT INFORMATION

Section [1] of [4]

Additional Requirements for Air Construction Permit Applications

1. Control Technology Review and Analysis (Rules 62-212.400(6) and 62-212.500(7), F.A.C.; 40 CFR 63.43(d) and (e)) <input type="checkbox"/> Attached, Document ID: _____ <input type="checkbox"/> Not Applicable
2. Good Engineering Practice Stack Height Analysis (Rule 62-212.400(5)(h)6., F.A.C., and Rule 62-212.500(4)(f), F.A.C.) <input type="checkbox"/> Attached, Document ID: _____ <input type="checkbox"/> Not Applicable
3. Description of Stack Sampling Facilities (Required for proposed new stack sampling facilities only) <input type="checkbox"/> Attached, Document ID: _____ <input type="checkbox"/> Not Applicable

Additional Requirements for Title V Air Operation Permit Applications

1. Identification of Applicable Requirements <input checked="" type="checkbox"/> Attached, Document ID: <u>1D</u>
2. Compliance Assurance Monitoring <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable
3. Alternative Methods of Operation <input checked="" type="checkbox"/> Attached, Document ID: <u>1E</u> <input type="checkbox"/> Not Applicable
4. Alternative Modes of Operation (Emissions Trading) <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable
5. Acid Rain Part Application <input type="checkbox"/> Certificate of Representation (EPA Form No. 7610-1) <input type="checkbox"/> Copy Attached, Document ID: _____ <input type="checkbox"/> Acid Rain Part (Form No. 62-210.900(1)(a)) <input type="checkbox"/> Attached, Document ID: _____ <input type="checkbox"/> Previously Submitted, Date: _____ <input type="checkbox"/> Repowering Extension Plan (Form No. 62-210.900(1)(a)1.) <input type="checkbox"/> Attached, Document ID: _____ <input type="checkbox"/> Previously Submitted, Date: _____ <input type="checkbox"/> New Unit Exemption (Form No. 62-210.900(1)(a)2.) <input type="checkbox"/> Attached, Document ID: _____ <input type="checkbox"/> Previously Submitted, Date: _____ <input type="checkbox"/> Retired Unit Exemption (Form No. 62-210.900(1)(a)3.) <input type="checkbox"/> Attached, Document ID: _____ <input type="checkbox"/> Previously Submitted, Date: _____ <input type="checkbox"/> Phase II NOx Compliance Plan (Form No. 62-210.900(1)(a)4.) <input type="checkbox"/> Attached, Document ID: _____ <input type="checkbox"/> Previously Submitted, Date: _____ <input type="checkbox"/> Phase II NOx Averaging Plan (Form No. 62-210.900(1)(a)5.) <input type="checkbox"/> Attached, Document ID: _____ <input type="checkbox"/> Previously Submitted, Date: _____ <input checked="" type="checkbox"/> Not Applicable

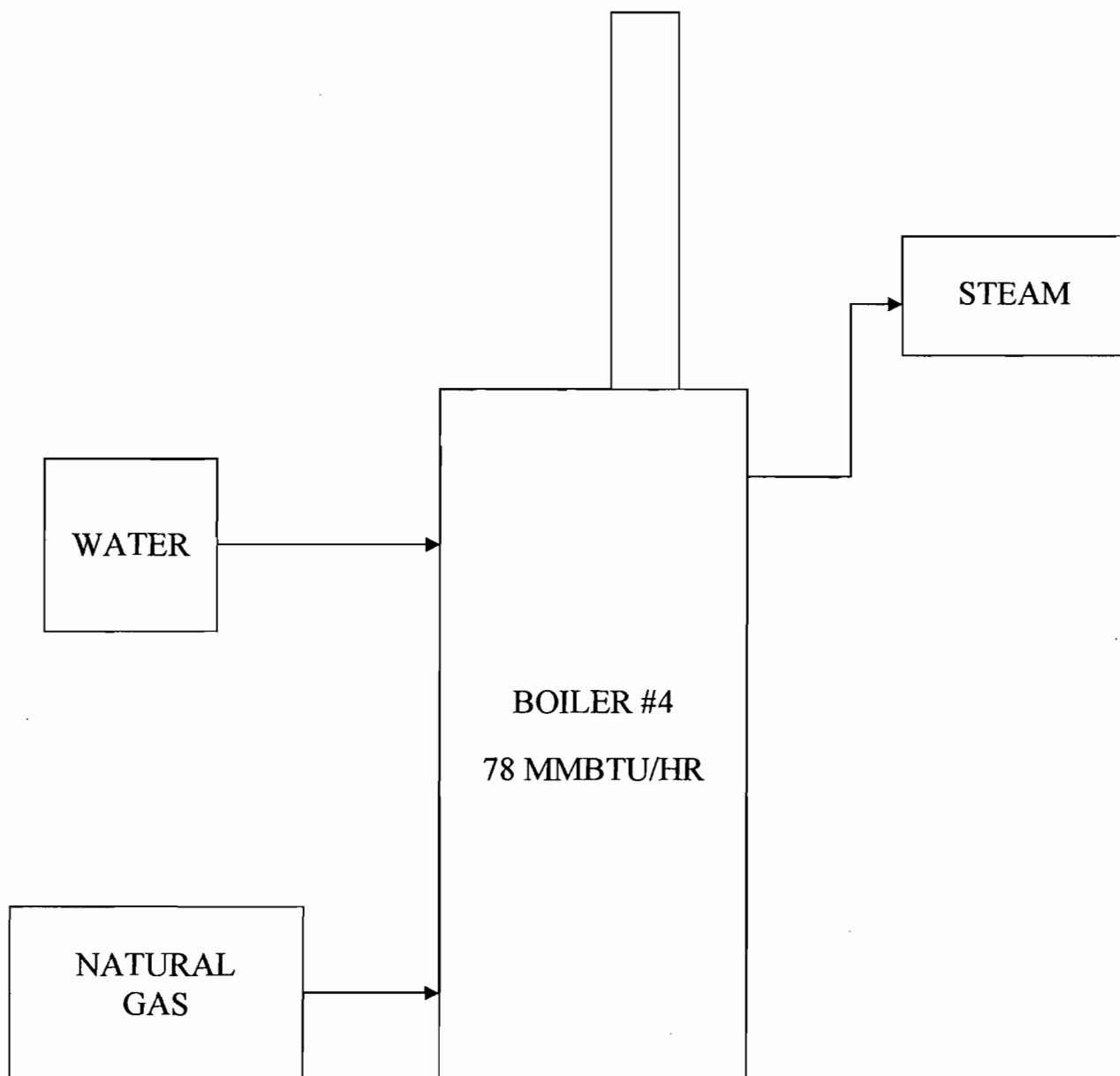
EMISSIONS UNIT INFORMATION

Section [1] of [4]

Additional Requirements Comment

**BOILER #4 SUPPLEMENTAL
INFORMATION**

1A- PROCESS FLOW DIAGRAM



**CUTRALE CITRUS JUICES USA - LEESBURG
BOILER #4**

1B - FUEL SPECIFICATION

FGT SYSTEM CHROMATOGRAPHS
Spot Analysis of Natural Gas for Delivery in Florida

Date	Time
4/5/00	11:31 AM

8030 8031

Perry	Perry	Brooker	Gainesville	West Palm
36" Stream #1	30" Stream #2	24" Stream	8" Stream	24" Stream
Mole%	Mole%	Mole%	Mole%	Mole%

Components					
Hexane	0.0470	0.0659	0.0553	0.0598	0.0571
Propane	0.3025	0.3695	0.3348	0.2250	0.3776
Iso-Butane	0.0763	0.0929	0.0834	0.0526	0.0876
N-Butane	0.0711	0.0810	0.0734	0.0471	0.0798
Iso-Pentane	0.0274	0.0354	0.0303	0.0201	0.0302
N-Pentane	0.0171	0.0224	0.0186	0.0135	0.0194
Nitrogen	0.2644	0.4139	0.3467	0.2591	0.3618
Methane	96.9132	95.6349	96.0777	97.0133	95.8773
CO2	0.7133	0.7202	0.7155	0.7654	0.6672
Ethane	1.5675	2.5638	2.2642	1.5441	2.4420
Totals	100.0000	100.0000	100.0000	100.0000	100.0000

Btu	1027.7	1036.5	1033.3	1024.9	1036.0	Dry Btu/cf @ 14.73
-----	--------	--------	--------	--------	--------	--------------------

Gravity	0.5777	0.5850	0.5822	0.5767	0.5832	Real Relative Den:
---------	--------	--------	--------	--------	--------	--------------------

Total Sulfur	4.4984	2.0907	1.7440
	0.2811	0.1307	0.1090

PPM
Grains/hcf

Current H2O	0.0000	0.8287	2.1064	Lbs. Per MMcf
-------------	--------	--------	--------	---------------

AMERADA HESS CORPORATION
TYPICAL MARKETING SPECIFICATIONS
TAMPA TERMINAL
NO. 2 FUEL OIL

API GRAVITY	34.7
FLASH POINT	141
POUR POINT	-5
CLOUD POINT	18
% SULPHUR	0.03
CETANE	48.5
BTU	139,240
COLOR	DYED

**1C - APPLICABLE
REQUIREMENTS**

List of Applicable Regulations

Federal: 40CFR60, Subpart Dc	Small Industrial Boilers
State: 62-296.406(2)	Fossil Fuel Steam Generators - < 250 MMBtu/hr input - PM Standard
62-296.406(2)	Fossil Fuel Steam Generators - < 250 MMBtu/hr input - SO2 Standard
Local: None	

**1D – ALTERNATIVE METHODS
OF OPERATION**

Alternative Methods of Operation

The steam boiler #4 is fired with natural gas with distillate oil with a sulfur content not more than 0.05% by weight for backup. Also, the boiler can be fired with up to 229,000 gallons of distillate oil with a maximum of 0.5% sulfur.

**EMISSION UNIT NO. 2 -
CITRUS PEEL DRYER/WHE**

EMISSIONS UNIT INFORMATION

Section [2] of [4]

A. GENERAL EMISSIONS UNIT INFORMATION

Title V Air Operation Permit Emissions Unit Classification

1. Regulated or Unregulated Emissions Unit? (Check one, if applying for an initial, revised or renewal Title V air operation permit. Skip this item if applying for an air construction permit or FESOP only.)

The emissions unit addressed in this Emissions Unit Information Section is a regulated emissions unit.

The emissions unit addressed in this Emissions Unit Information Section is an unregulated emissions unit.

Emissions Unit Description and Status

1. Type of Emissions Unit Addressed in this Section: (Check one)

This Emissions Unit Information Section addresses, as a single emissions unit, a single process or production unit, or activity, which produces one or more air pollutants and which has at least one definable emission point (stack or vent).

This Emissions Unit Information Section addresses, as a single emissions unit, a group of process or production units and activities which has at least one definable emission point (stack or vent) but may also produce fugitive emissions.

This Emissions Unit Information Section addresses, as a single emissions unit, one or more process or production units and activities which produce fugitive emissions only.

2. Description of Emissions Unit Addressed in this Section: 60M Citrus Peel Dryer w/ Waste Heat Evaporators

3. Emissions Unit Identification Number: 005

4. Emissions Unit Status Code: A	5. Commence Construction Date:	6. Initial Startup Date: 1972	7. Emissions Unit Major Group SIC Code: 20	8. Acid Rain Unit? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
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9. Package Unit:
Manufacturer: _____ Model Number: _____

10. Generator Nameplate Rating: _____ MW

11. Emissions Unit Comment:

EMISSIONS UNIT INFORMATION

Section [2] of [4]

Emissions Unit Control Equipment

1. Control Equipment/Method(s) Description:

A cyclone is used to recover peel from dryer exhaust for return to the dryer to be recovered as product. The exhaust then passes through waste heat evaporators to recover heat from the exhaust gases. The WHEs have scrubber systems to keep the internals clean. They also remove particulate from the exhaust stream.

2. Control Device or Method Code(s): 075, 003

EMISSIONS UNIT INFORMATION

Section [2] of [4]

B. EMISSIONS UNIT CAPACITY INFORMATION

(Optional for unregulated emissions units.)

Emissions Unit Operating Capacity and Schedule

1. Maximum Process or Throughput Rate:	52.2 TPH		
2. Maximum Production Rate:			
3. Maximum Heat Input Rate:	90 million Btu/hr		
4. Maximum Incineration Rate:	pounds/hr		
	tons/day		
5. Requested Maximum Operating Schedule:	hours/day	days/week	
	weeks/year	8,760	hours/year
6. Operating Capacity/Schedule Comment:			

EMISSIONS UNIT INFORMATION

Section [1] of [4]

C. EMISSION POINT (STACK/VENT) INFORMATION
 (Optional for unregulated emissions units.)

Emission Point Description and Type

1. Identification of Point on Plot Plan or Flow Diagram: 005		2. Emission Point Type Code: 1	
3. Descriptions of Emission Points Comprising this Emissions Unit for VE Tracking:			
4. ID Numbers or Descriptions of Emission Units with this Emission Point in Common:			
5. Discharge Type Code: V	6. Stack Height: 90 feet		7. Exit Diameter: 4.75 feet
8. Exit Temperature: 173	9. Actual Volumetric Flow Rate: 39,000 acfm		10. Water Vapor: %
11. Maximum Dry Standard Flow Rate: dscfm		12. Nonstack Emission Point Height: feet	
13. Emission Point UTM Coordinates... Zone: East (km): North (km):		14. Emission Point Latitude/Longitude... Latitude (DD/MM/SS) Longitude (DD/MM/SS)	
15. Emission Point Comment:			

EMISSIONS UNIT INFORMATION

Section [2] of [4]

D. SEGMENT (PROCESS/FUEL) INFORMATION

Segment Description and Rate: Segment 1 of 3

1. Segment Description (Process/Fuel Type): Drying of citrus peel		
2. Source Classification Code (SCC): 3-02-040-01		3. SCC Units: Tons Processed
4. Maximum Hourly Rate: 52.2	5. Maximum Annual Rate: 457,272	6. Estimated Annual Activity Factor:
7. Maximum % Sulfur:	8. Maximum % Ash:	9. Million Btu per SCC Unit:
10. Segment Comment: Maximum rate based on maximum capacity and running all year. Hourly rate based on 68 – 72% moisture.		

Segment Description and Rate: Segment 2 of 3

1. Segment Description (Process/Fuel Type): Dryer fired with natural gas		
2. Source Classification Code (SCC): 3-90-006-89		3. SCC Units: MMCF Burned
4. Maximum Hourly Rate: 0.0857	5. Maximum Annual Rate: 750.7	6. Estimated Annual Activity Factor:
7. Maximum % Sulfur:	8. Maximum % Ash:	9. Million Btu per SCC Unit: 1050
10. Segment Comment:		

EMISSIONS UNIT INFORMATION

Section [2] of [4]

D. SEGMENT (PROCESS/FUEL) INFORMATION (CONTINUED)

Segment Description and Rate: Segment 3 of 3 _____

1. Segment Description (Process/Fuel Type): Dryer fired with fuel oil		
2. Source Classification Code (SCC): 3-90-004-89		3. SCC Units: Mgal Burned
4. Maximum Hourly Rate: 0.6	5. Maximum Annual Rate: 5,256	6. Estimated Annual Activity Factor:
7. Maximum % Sulfur: 1.5	8. Maximum % Ash:	9. Million Btu per SCC Unit: 150
10. Segment Comment:		

Segment Description and Rate: Segment _____ of _____

1. Segment Description (Process/Fuel Type):		
2. Source Classification Code (SCC):		3. SCC Units:
4. Maximum Hourly Rate:	5. Maximum Annual Rate:	6. Estimated Annual Activity Factor:
7. Maximum % Sulfur:	8. Maximum % Ash:	9. Million Btu per SCC Unit:
10. Segment Comment:		

**F1. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION –
 POTENTIAL/ESTIMATED FUGITIVE EMISSIONS**

(Optional for unregulated emissions units.)

Potential/Estimated Fugitive Emissions

Complete for each pollutant identified in Subsection E if applying for an air construction permit or concurrent processing of an air construction permit and a revised or renewal Title V permit. Complete for each emissions-limited pollutant identified in Subsection E if applying for an air operation permit.

1. Pollutant Emitted: PM		2. Total Percent Efficiency of Control:	
3. Potential Emissions: 32.59 lb/hour 119 tons/year		4. Synthetically Limited? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
5. Range of Estimated Fugitive Emissions (as applicable): to tons/year			
6. Emission Factor: 32.59 lbs/hr Reference: Process Weight Table - 296.320-1		7. Emissions Method Code: 0	
8. Calculation of Emissions: $E = 17.31P^{0.16} = 17.31 \times (52.2)^{0.16} = 32.59 \text{ lbs/hr}$ $32.59 \text{ lbs/hr} \times 8,760 \text{ hrs/yr} \times \text{ton}/2,000 \text{ lbs} = 142.7 \text{ tons}$			
9. Pollutant Potential/Estimated Fugitive Emissions Comment: Permit limits PM to 119 TPY			

**F2. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION -
ALLOWABLE EMISSIONS**

Complete if the pollutant identified in Subsection F1 is or would be subject to a numerical emissions limitation.

Allowable Emissions Allowable Emissions 1 of 1

1. Basis for Allowable Emissions Code: RULE	2. Future Effective Date of Allowable Emissions:
3. Allowable Emissions and Units: 32.59 lbs/hr	4. Equivalent Allowable Emissions: 32.59 lb/hour 119 tons/year
5. Method of Compliance: Annual Method 5 compliance test	
6. Allowable Emissions Comment (Description of Operating Method): 62-296.320(4)(a)2 – Process Weight Table Total set by permit	

Allowable Emissions Allowable Emissions ____ of ____

1. Basis for Allowable Emissions Code:	2. Future Effective Date of Allowable Emissions:
3. Allowable Emissions and Units:	4. Equivalent Allowable Emissions:
5. Method of Compliance:	
6. Allowable Emissions Comment (Description of Operating Method):	

Allowable Emissions Allowable Emissions ____ of ____

1. Basis for Allowable Emissions Code:	2. Future Effective Date of Allowable Emissions:
3. Allowable Emissions and Units:	4. Equivalent Allowable Emissions: lb/hour tons/year
5. Method of Compliance:	
6. Allowable Emissions Comment (Description of Operating Method):	

**F1. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION –
 POTENTIAL/ESTIMATED FUGITIVE EMISSIONS**

(Optional for unregulated emissions units.)

Potential/Estimated Fugitive Emissions

Complete for each pollutant identified in Subsection E if applying for an air construction permit or concurrent processing of an air construction permit and a revised or renewal Title V permit. Complete for each emissions-limited pollutant identified in Subsection E if applying for an air operation permit.

1. Pollutant Emitted: SO ₂	2. Total Percent Efficiency of Control: 50%
3. Potential Emissions: 71.37 lb/hour 38 tons/year	4. Synthetically Limited? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
5. Range of Estimated Fugitive Emissions (as applicable): to tons/year	
6. Emission Factor: 158.6 x (%S) lbs/MGal Reference: SCC - 1-03-004-01	7. Emissions Method Code: 3
8. Calculation of Emissions: (158.6 x 1.5) lbs/MGal x 0.600 Mgal/hr x 0.5 = 71.37 lbs/hr 71.37 lbs/hr x 8,760 hrs/yr x ton/2,000 lbs = 312.6 TPY Permit limits SO ₂ to 38 TPY	
9. Pollutant Potential/Estimated Fugitive Emissions Comment: Potential emissions based on 100% use of fuel oil and continuous operation. Typically, unit burns approximately 95 - 100% natural gas and 0-5% fuel oil. Present permit allows use of #6 fuel oil at a maximum of 1.95% S. Scrubber efficiency is estimated at 50% based on stack test on a similar unit showing 55% removal of SO ₂	

**F2. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION -
 ALLOWABLE EMISSIONS**

Complete if the pollutant identified in Subsection F1 is or would be subject to a numerical emissions limitation.

Allowable Emissions Allowable Emissions 1 of

1. Basis for Allowable Emissions Code: OTHER	2. Future Effective Date of Allowable Emissions:
3. Allowable Emissions and Units: 1.5% S	4. Equivalent Allowable Emissions: 184.4 lb/hour 38 tons/year
5. Method of Compliance: %S MEASURED IN FUEL BY VENDOR	
6. Allowable Emissions Comment (Description of Operating Method): Permit limits SO ₂ to 38 TPY	

Allowable Emissions Allowable Emissions of

1. Basis for Allowable Emissions Code:	2. Future Effective Date of Allowable Emissions:
3. Allowable Emissions and Units:	4. Equivalent Allowable Emissions:
5. Method of Compliance:	
6. Allowable Emissions Comment (Description of Operating Method):	

Allowable Emissions Allowable Emissions of

1. Basis for Allowable Emissions Code:	2. Future Effective Date of Allowable Emissions:
3. Allowable Emissions and Units:	4. Equivalent Allowable Emissions: lb/hour tons/year
5. Method of Compliance:	
6. Allowable Emissions Comment (Description of Operating Method):	

**F1. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION –
 POTENTIAL/ESTIMATED FUGITIVE EMISSIONS**

(Optional for unregulated emissions units.)

Potential/Estimated Fugitive Emissions

Complete for each pollutant identified in Subsection E if applying for an air construction permit or concurrent processing of an air construction permit and a revised or renewal Title V permit. Complete for each emissions-limited pollutant identified in Subsection E if applying for an air operation permit.

1. Pollutant Emitted: NOx		2. Total Percent Efficiency of Control:	
3. Potential Emissions: 33 lb/hour 38 tons/year		4. Synthetically Limited? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
5. Range of Estimated Fugitive Emissions (as applicable): to tons/year			
6. Emission Factor: 55 lbs/MGal Reference: SCC - 1-03-004-01		7. Emissions Method Code: 3	
8. Calculation of Emissions: 55 lbs/MGal x 0.600 Mgal/hr = 33 lbs/hr 33 lbs/hr x 8,760 hrs/yr x ton/2,000 lbs = 144.54 TPY			
9. Pollutant Potential/Estimated Fugitive Emissions Comment: Potential emissions based on 100% use of fuel oil and continuous operation. Typically, unit burns approximately 95 - 100% natural gas and 0-5% fuel oil. Permit limits NOx to 38 TPY			

**F2. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION -
 ALLOWABLE EMISSIONS**

Complete if the pollutant identified in Subsection F1 is or would be subject to a numerical emissions limitation.

Allowable Emissions Allowable Emissions 1 of

1. Basis for Allowable Emissions Code: OTHER	2. Future Effective Date of Allowable Emissions:
3. Allowable Emissions and Units: 38 TPY	4. Equivalent Allowable Emissions: 33 lb/hour 38 tons/year
5. Method of Compliance: Amount of fuel burned and AP-42 factors	
6. Allowable Emissions Comment (Description of Operating Method): Permit limits NOx to 38 TPY	

Allowable Emissions Allowable Emissions of

1. Basis for Allowable Emissions Code:	2. Future Effective Date of Allowable Emissions:
3. Allowable Emissions and Units:	4. Equivalent Allowable Emissions:
5. Method of Compliance:	
6. Allowable Emissions Comment (Description of Operating Method):	

Allowable Emissions Allowable Emissions of

1. Basis for Allowable Emissions Code:	2. Future Effective Date of Allowable Emissions:
3. Allowable Emissions and Units:	4. Equivalent Allowable Emissions: lb/hour tons/year
5. Method of Compliance:	
6. Allowable Emissions Comment (Description of Operating Method):	

EMISSIONS UNIT INFORMATION

Section [2] of [4]

G. VISIBLE EMISSIONS INFORMATION

Complete if this emissions unit is or would be subject to a unit-specific visible emissions limitation.

Visible Emissions Limitation: Visible Emissions Limitation 1 of 1

1. Visible Emissions Subtype: VE20	2. Basis for Allowable Opacity: <input checked="" type="checkbox"/> Rule <input type="checkbox"/> Other
3. Allowable Opacity: Normal Conditions: 20 % Exceptional Conditions: % Maximum Period of Excess Opacity Allowed: min/hour	
4. Method of Compliance: DEP Method 9	
5. Visible Emissions Comment: 62-296.320(4)(b)1, F.A.C.	

Visible Emissions Limitation: Visible Emissions Limitation ____ of ____

1. Visible Emissions Subtype:	2. Basis for Allowable Opacity: <input type="checkbox"/> Rule <input type="checkbox"/> Other
3. Allowable Opacity: Normal Conditions: % Exceptional Conditions: % Maximum Period of Excess Opacity Allowed: min/hour	
4. Method of Compliance:	
5. Visible Emissions Comment:	

EMISSIONS UNIT INFORMATION

Section [2] of [4]

H. CONTINUOUS MONITOR INFORMATION

Complete if this emissions unit is or would be subject to continuous monitoring.

Continuous Monitoring System: Continuous Monitor _____ of _____

1. Parameter Code:	2. Pollutant(s):
3. CMS Requirement:	<input type="checkbox"/> Rule <input type="checkbox"/> Other
4. Monitor Information... Manufacturer: Model Number: Serial Number:	
5. Installation Date:	6. Performance Specification Test Date:
7. Continuous Monitor Comment:	

Continuous Monitoring System: Continuous Monitor _____ of _____

1. Parameter Code:	2. Pollutant(s):
3. CMS Requirement:	<input type="checkbox"/> Rule <input type="checkbox"/> Other
4. Monitor Information... Manufacturer: Model Number: Serial Number:	
5. Installation Date:	6. Performance Specification Test Date:
7. Continuous Monitor Comment:	

EMISSIONS UNIT INFORMATION

Section [2] of [4]

H. CONTINUOUS MONITOR INFORMATION (CONTINUED)

Complete if this emissions unit is or would be subject to continuous monitoring.

Continuous Monitoring System: Continuous Monitor _____ of _____

1. Parameter Code:	2. Pollutant(s):
3. CMS Requirement:	<input type="checkbox"/> Rule <input type="checkbox"/> Other
4. Monitor Information... Manufacturer: Model Number: Serial Number:	
5. Installation Date:	6. Performance Specification Test Date:
7. Continuous Monitor Comment:	

Continuous Monitoring System: Continuous Monitor _____ of _____

1. Parameter Code:	2. Pollutant(s):
3. CMS Requirement:	<input type="checkbox"/> Rule <input type="checkbox"/> Other
4. Monitor Information... Manufacturer: Model Number: Serial Number:	
5. Installation Date:	6. Performance Specification Test Date:
7. Continuous Monitor Comment:	

EMISSIONS UNIT INFORMATION

Section [2] of [4]

I. EMISSIONS UNIT ADDITIONAL INFORMATION

Additional Requirements for All Applications, Except as Otherwise Stated

<p>1. Process Flow Diagram (Required for all permit applications, except Title V air operation permit revision applications if this information was submitted to the department within the previous five years and would not be altered as a result of the revision being sought)</p> <p><input checked="" type="checkbox"/> Attached, Document ID: <u>2A</u> <input type="checkbox"/> Previously Submitted, Date _____</p>
<p>2. Fuel Analysis or Specification (Required for all permit applications, except Title V air operation permit revision applications if this information was submitted to the department within the previous five years and would not be altered as a result of the revision being sought)</p> <p><input checked="" type="checkbox"/> Attached, Document ID: <u>2B</u> <input type="checkbox"/> Previously Submitted, Date _____</p>
<p>3. Detailed Description of Control Equipment (Required for all permit applications, except Title V air operation permit revision applications if this information was submitted to the department within the previous five years and would not be altered as a result of the revision being sought)</p> <p><input checked="" type="checkbox"/> Attached, Document ID: <u>2C</u> <input type="checkbox"/> Previously Submitted, Date _____</p>
<p>4. Procedures for Startup and Shutdown (Required for all operation permit applications, except Title V air operation permit revision applications if this information was submitted to the department within the previous five years and would not be altered as a result of the revision being sought)</p> <p><input type="checkbox"/> Attached, Document ID: _____ <input type="checkbox"/> Previously Submitted, Date _____</p> <p><input type="checkbox"/> Not Applicable (construction application)</p>
<p>5. Operation and Maintenance Plan (Required for all permit applications, except Title V air operation permit revision applications if this information was submitted to the department within the previous five years and would not be altered as a result of the revision being sought)</p> <p><input type="checkbox"/> Attached, Document ID: _____ <input type="checkbox"/> Previously Submitted, Date _____</p> <p><input type="checkbox"/> Not Applicable</p>
<p>6. Compliance Demonstration Reports/Records</p> <p><input type="checkbox"/> Attached, Document ID: _____</p> <p> Test Date(s)/Pollutant(s) Tested: _____</p> <p> _____</p> <p><input checked="" type="checkbox"/> Previously Submitted, Date: _____</p> <p> Test Date(s)/Pollutant(s) Tested: <u>FEB. 10, 2004 / PM</u></p> <p> _____</p> <p><input type="checkbox"/> To be Submitted, Date (if known): _____</p> <p> Test Date(s)/Pollutant(s) Tested: _____</p> <p> _____</p> <p><input type="checkbox"/> Not Applicable</p> <p>Note: For FESOP applications, all required compliance demonstration records/reports must be submitted at the time of application. For Title V air operation permit applications, all required compliance demonstration reports/records must be submitted at the time of application, or a compliance plan must be submitted at the time of application.</p>
<p>7. Other Information Required by Rule or Statute</p> <p><input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable</p>

EMISSIONS UNIT INFORMATION

Section [2] of [4]

Additional Requirements for Air Construction Permit Applications

1. Control Technology Review and Analysis (Rules 62-212.400(6) and 62-212.500(7), F.A.C.; 40 CFR 63.43(d) and (e)) <input type="checkbox"/> Attached, Document ID: _____ <input type="checkbox"/> Not Applicable
2. Good Engineering Practice Stack Height Analysis (Rule 62-212.400(5)(h)6., F.A.C., and Rule 62-212.500(4)(f), F.A.C.) <input type="checkbox"/> Attached, Document ID: _____ <input type="checkbox"/> Not Applicable
3. Description of Stack Sampling Facilities (Required for proposed new stack sampling facilities only) <input type="checkbox"/> Attached, Document ID: _____ <input type="checkbox"/> Not Applicable

Additional Requirements for Title V Air Operation Permit Applications

1. Identification of Applicable Requirements <input checked="" type="checkbox"/> Attached, Document ID: <u>2F</u>
2. Compliance Assurance Monitoring <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable
3. Alternative Methods of Operation <input checked="" type="checkbox"/> Attached, Document ID: <u>2G</u> <input type="checkbox"/> Not Applicable
4. Alternative Modes of Operation (Emissions Trading) <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable
5. Acid Rain Part Application <input type="checkbox"/> Certificate of Representation (EPA Form No. 7610-1) <input type="checkbox"/> Copy Attached, Document ID: _____ <input type="checkbox"/> Acid Rain Part (Form No. 62-210.900(1)(a)) <input type="checkbox"/> Attached, Document ID: _____ <input type="checkbox"/> Previously Submitted, Date: _____ <input type="checkbox"/> Repowering Extension Plan (Form No. 62-210.900(1)(a)1.) <input type="checkbox"/> Attached, Document ID: _____ <input type="checkbox"/> Previously Submitted, Date: _____ <input type="checkbox"/> New Unit Exemption (Form No. 62-210.900(1)(a)2.) <input type="checkbox"/> Attached, Document ID: _____ <input type="checkbox"/> Previously Submitted, Date: _____ <input type="checkbox"/> Retired Unit Exemption (Form No. 62-210.900(1)(a)3.) <input type="checkbox"/> Attached, Document ID: _____ <input type="checkbox"/> Previously Submitted, Date: _____ <input type="checkbox"/> Phase II NOx Compliance Plan (Form No. 62-210.900(1)(a)4.) <input type="checkbox"/> Attached, Document ID: _____ <input type="checkbox"/> Previously Submitted, Date: _____ <input type="checkbox"/> Phase II NOx Averaging Plan (Form No. 62-210.900(1)(a)5.) <input type="checkbox"/> Attached, Document ID: _____ <input type="checkbox"/> Previously Submitted, Date: _____ <input checked="" type="checkbox"/> Not Applicable

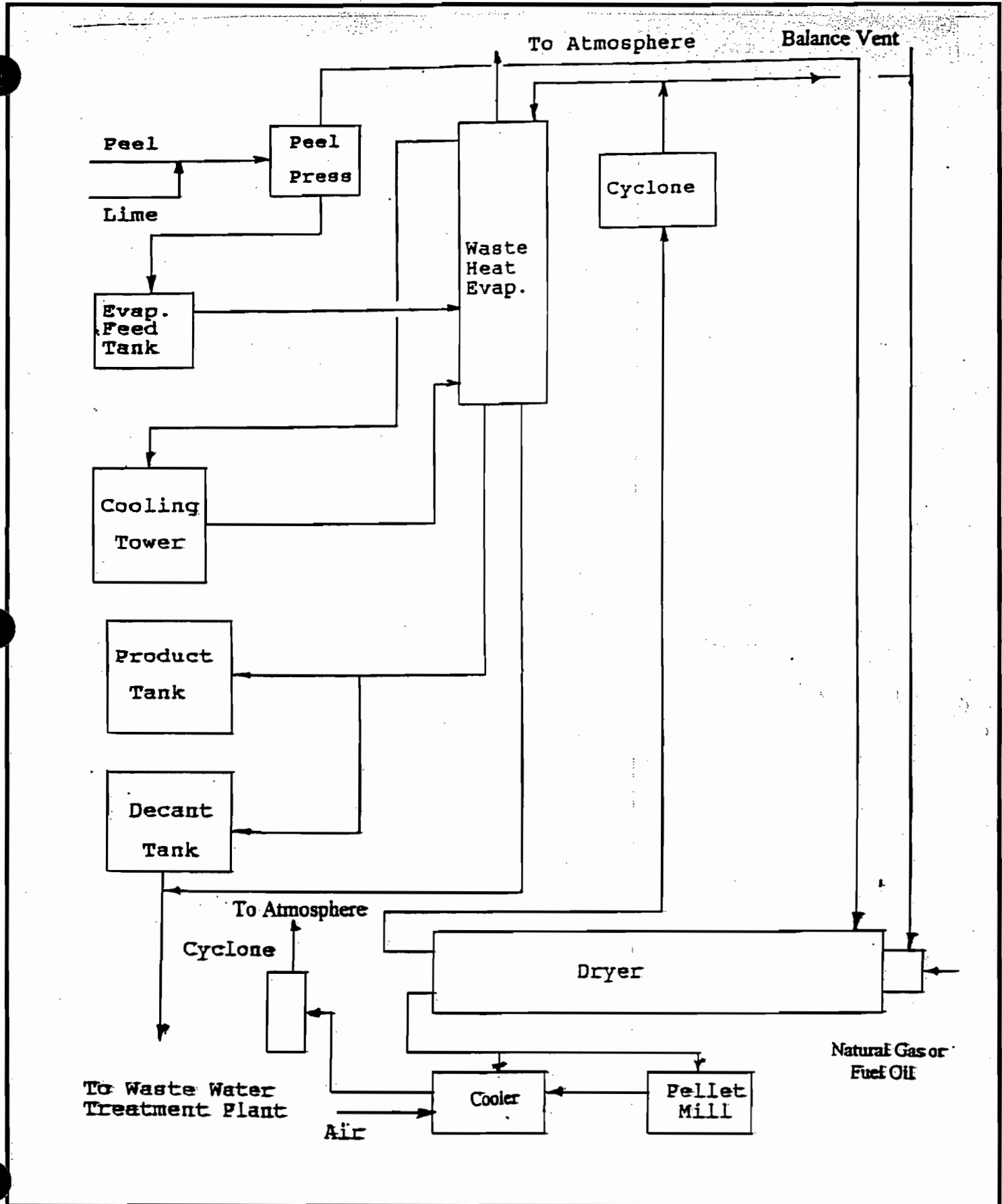
EMISSIONS UNIT INFORMATION

Section [2] of [4]

Additional Requirements Comment

**CITRUS PEEL DRYER / WHE
SUPPLEMENTAL
INFORMATION**

**2A - PROCESS FLOW
DIAGRAM**



**CUTRALE CITRUS JUICES USA - LEESBURG
CITRUS PEEL DRYING/COOLING SYSTEM**

2B - FUEL SPECIFICATION

FGT SYSTEM CHROMATOGRAPHS

FGT SYSTEM CHROMATOGRAPHS
Spot Analysis of Natural Gas for Delivery in Florida

Date	Time
4/5/00	11:31 AM

8030	8031			
Perry	Perry	Brooker	Gainesville	West Palm
36" Stream #1	30" Stream #2	24" Stream	8" Stream	24" Stream
Mole%	Mole%	Mole%	Mole%	Mole%

Components					
Hexane	0.0470	0.0659	0.0553	0.0598	0.0571
Propane	0.3025	0.3695	0.3348	0.2250	0.3776
Iso-Butane	0.0763	0.0929	0.0834	0.0526	0.0876
N-Butane	0.0711	0.0810	0.0734	0.0471	0.0798
Iso-Pentane	0.0274	0.0354	0.0303	0.0201	0.0302
N-Pentane	0.0171	0.0224	0.0186	0.0135	0.0194
Nitrogen	0.2644	0.4139	0.3467	0.2591	0.3618
Methane	96.9132	95.6349	96.0777	97.0133	95.8773
CO2	0.7133	0.7202	0.7155	0.7654	0.6672
Ethane	1.5675	2.5638	2.2642	1.5441	2.4420
Totals	100.0000	100.0000	100.0000	100.0000	100.0000

Btu	1027.7	1036.5	1033.3	1024.9	1036.0	Dry Btu/cf @ 14.73
-----	--------	--------	--------	--------	--------	--------------------

Gravity	0.5777	0.5850	0.5822	0.5767	0.5832	Real Relative Den:
---------	--------	--------	--------	--------	--------	--------------------

Total Sulfur	4.4984	2.0907	1.7440			PPM
	0.2811	0.1307	0.1090			Grains/hcf

Current H2O	0.0000		0.8287		2.1064	Lbs. Per MMcf
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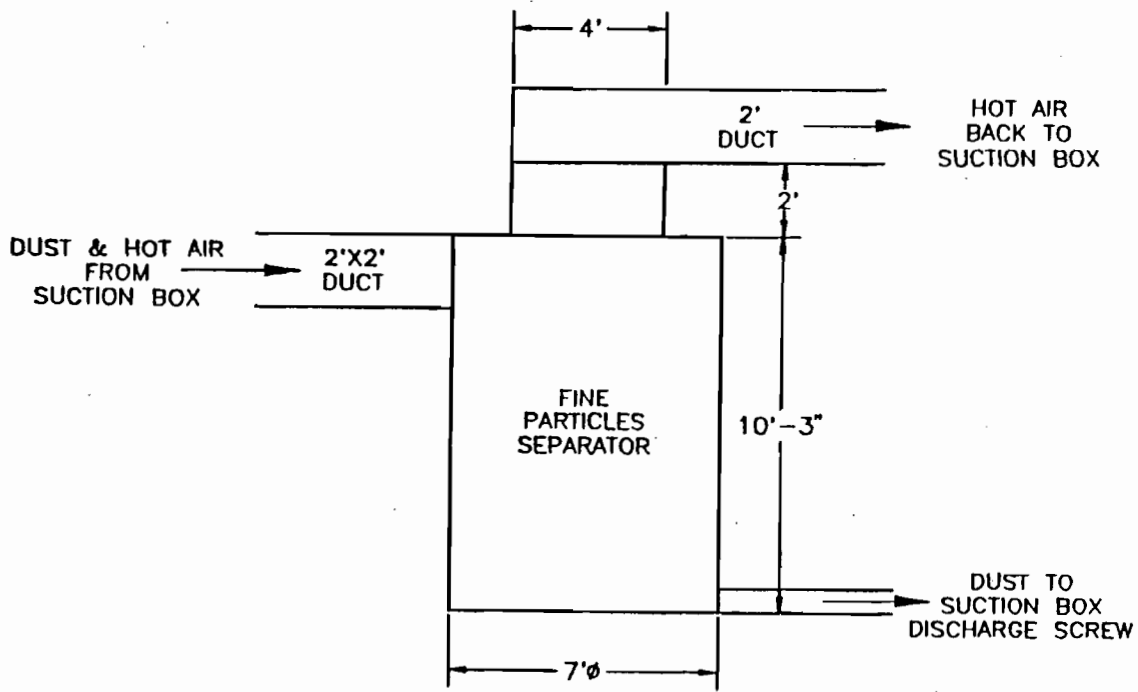
COASTAL FUELS MARKETING, INC
PORT MANATEE, FL

13.31.29

LAB			Calculated BLEND
DATE TESTED			
TANK			
PRODUCT			615B
VOLUME			100.0
BLEND %			100.0
	Test Method	UNITS	
SPECIFIC GRAVITY		60/60 F	1.0111
API GRAVITY	D-1298	60 F	8.45
FLASH POINT	D-93	DEG F	190
VISCOSITY (@122 F)	D-445	SFS	290.4
	D-445	cSt	615.7
POUR POINT	D-97	DEG F	32
SULFUR	D-4294	% WT.	1.440
WATER BY DISTILLATION	D-95	% VOL.	0.54
SEDIMENT BY HOT FILTRATION IP 350B		% WT.	0.051
GROSS HEAT OF COMBUSTION	D-240	BTU/GAL.	152479
ASH (sample. g)	D482	% WT.	0.096
ASPHALTINES	IP-143	% WT.	5.17
CARBON RESIDUE	D-4530	% WT.	18.05
VANADIUM	D-5863A	ppm	97.1
SODIUM	D-5863B	ppm	39.0
ALUMINUM	D-5184	ppm	52.0
SILICON	D-5184	ppm	79.7

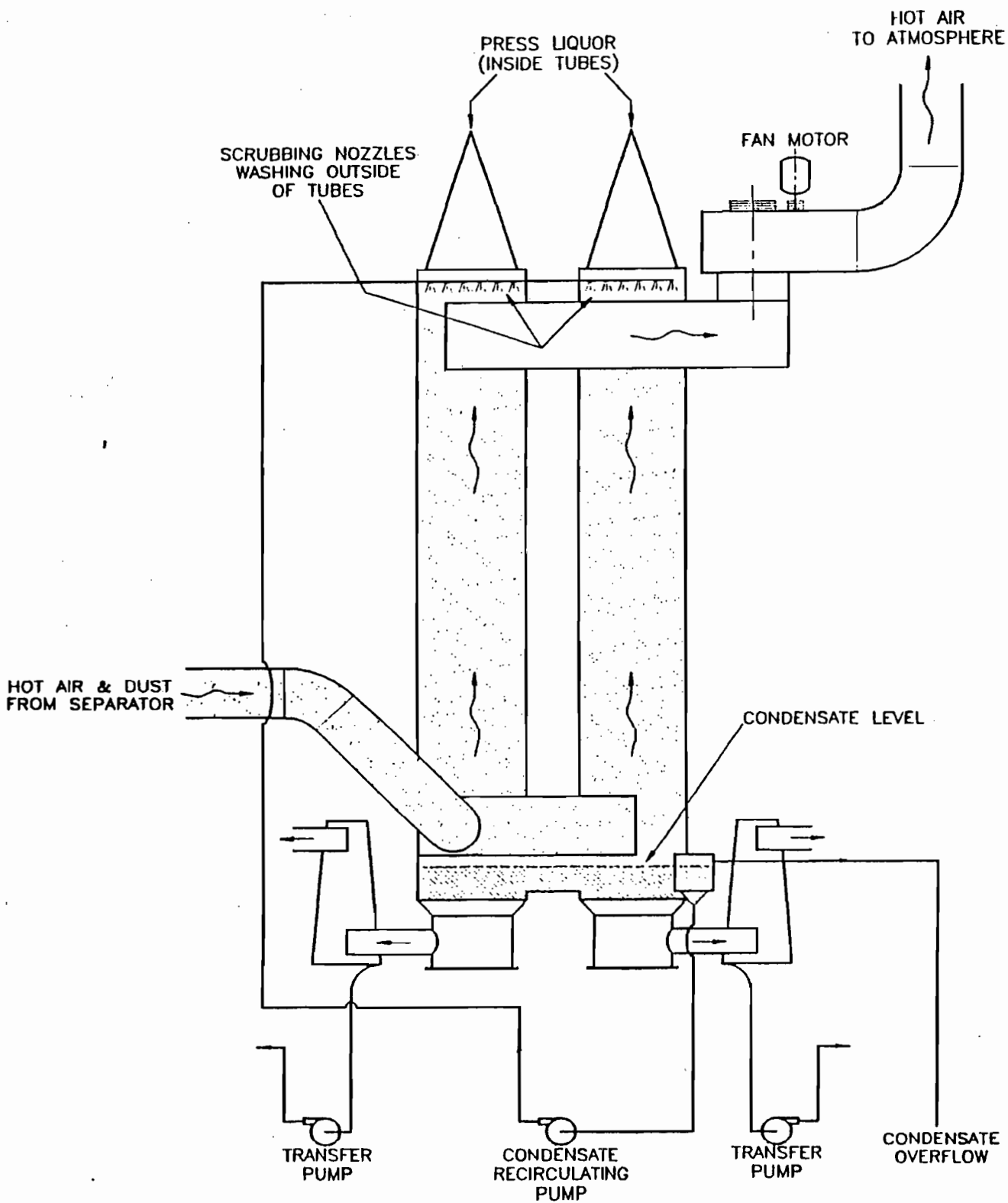
**2C - CONTROL EQUIPMENT
DESCRIPTION**

- (6) FANS ON SUCTION BOX
- (3) FOR RECIRCULATION
- (3) SEND AIR TO W.H. EVAPORATOR



DRYER CONTROL
EQUIPMENT SEPARATOR

SCALE 1"=3'
DATE 06/03/88
BY BSC
DRAWING NO.
ES-A423-P-018



TYPICAL W.H. EVAPORATOR
WET SCRUBBER SYSTEM

SCALE NONE
DATE 08/04/98
B1 BSC
DRAWING NO.
ES-A423-P-019

**2D - APPLICABLE
REQUIREMENTS**

List of Applicable Regulations

Federal:		See Facility Additional Information Attachment Document ID: E
State:	62-296.320(4)(a),	General PM Emission Limiting Standard - Process Weight Table
F.A.C.		
	62-296.320(4)(b), F.A.C.	General Visible Emission Standard
Local:	None	

**2E – ALTERNATIVE METHODS
OF OPERATION**

Alternative Methods of Operation

The citrus peel dryer is normally fired on natural gas with fuel oil at a maximum of 1.5% sulfur used as backup fuel.

**EMISSION UNIT NO. 3 -
FEED COOLER**

EMISSIONS UNIT INFORMATION

Section [3] of [4]

A. GENERAL EMISSIONS UNIT INFORMATION

Title V Air Operation Permit Emissions Unit Classification

1. Regulated or Unregulated Emissions Unit? (Check one, if applying for an initial, revised or renewal Title V air operation permit. Skip this item if applying for an air construction permit or FESOP only.)

The emissions unit addressed in this Emissions Unit Information Section is a regulated emissions unit.

The emissions unit addressed in this Emissions Unit Information Section is an unregulated emissions unit.

Emissions Unit Description and Status

1. Type of Emissions Unit Addressed in this Section: (Check one)

This Emissions Unit Information Section addresses, as a single emissions unit, a single process or production unit, or activity, which produces one or more air pollutants and which has at least one definable emission point (stack or vent).

This Emissions Unit Information Section addresses, as a single emissions unit, a group of process or production units and activities which has at least one definable emission point (stack or vent) but may also produce fugitive emissions.

This Emissions Unit Information Section addresses, as a single emissions unit, one or more process or production units and activities which produce fugitive emissions only.

2. Description of Emissions Unit Addressed in this Section:

Pelletizer w/Horizontal Cooler

3. Emissions Unit Identification Number: 006

4. Emissions Unit Status Code:

A

5. Commence Construction Date:

6. Initial Startup Date:

1972

7. Emissions Unit Major Group SIC Code:

20

8. Acid Rain Unit?

Yes

No

9. Package Unit:

Manufacturer:

Model Number:

10. Generator Nameplate Rating: MW

11. Emissions Unit Comment:

EMISSIONS UNIT INFORMATION

Section [3] of [4]

Emissions Unit Control Equipment

1. Control Equipment/Method(s) Description:
Cyclone is used to recover product from exhaust stream.

2. Control Device or Method Code(s): 075

EMISSIONS UNIT INFORMATION

Section [3] of [4]

C. EMISSION POINT (STACK/VENT) INFORMATION
(Optional for unregulated emissions units.)

Emission Point Description and Type

1. Identification of Point on Plot Plan or Flow Diagram: 006		2. Emission Point Type Code: 1			
3. Descriptions of Emission Points Comprising this Emissions Unit for VE Tracking:					
4. ID Numbers or Descriptions of Emission Units with this Emission Point in Common:					
5. Discharge Type Code: V		6. Stack Height: 40 feet		7. Exit Diameter: 2.1 feet	
8. Exit Temperature: 100°F		9. Actual Volumetric Flow Rate: 15,200 acfm		10. Water Vapor: %	
11. Maximum Dry Standard Flow Rate: dscfm			12. Nonstack Emission Point Height: feet		
13. Emission Point UTM Coordinates... Zone: East (km): North (km):			14. Emission Point Latitude/Longitude... Latitude (DD/MM/SS) Longitude (DD/MM/SS)		
15. Emission Point Comment:					

EMISSIONS UNIT INFORMATION

Section [3] of [4]

D. SEGMENT (PROCESS/FUEL) INFORMATION

Segment Description and Rate: Segment 1 of 1

1. Segment Description (Process/Fuel Type): Citrus pellet cooling		
2. Source Classification Code (SCC): 3-02-008-06		3. SCC Units: Tons processed
4. Maximum Hourly Rate: 14	5. Maximum Annual Rate: 122,640	6. Estimated Annual Activity Factor:
7. Maximum % Sulfur:	8. Maximum % Ash:	9. Million Btu per SCC Unit:
10. Segment Comment: Rate: 14 TPH at 6 – 12% moisture		

Segment Description and Rate: Segment ____ of ____

1. Segment Description (Process/Fuel Type):		
2. Source Classification Code (SCC):		3. SCC Units:
4. Maximum Hourly Rate:	5. Maximum Annual Rate:	6. Estimated Annual Activity Factor:
7. Maximum % Sulfur:	8. Maximum % Ash:	9. Million Btu per SCC Unit:
10. Segment Comment:		

EMISSIONS UNIT INFORMATION

Section [3] of [4]

D. SEGMENT (PROCESS/FUEL) INFORMATION (CONTINUED)

Segment Description and Rate: Segment _____ of _____

1. Segment Description (Process/Fuel Type):		
2. Source Classification Code (SCC):		3. SCC Units:
4. Maximum Hourly Rate:	5. Maximum Annual Rate:	6. Estimated Annual Activity Factor:
7. Maximum % Sulfur:	8. Maximum % Ash:	9. Million Btu per SCC Unit:
10. Segment Comment:		

Segment Description and Rate: Segment _____ of _____

1. Segment Description (Process/Fuel Type):		
2. Source Classification Code (SCC):		3. SCC Units:
4. Maximum Hourly Rate:	5. Maximum Annual Rate:	6. Estimated Annual Activity Factor:
7. Maximum % Sulfur:	8. Maximum % Ash:	9. Million Btu per SCC Unit:
10. Segment Comment:		

**F1. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION –
POTENTIAL/ESTIMATED FUGITIVE EMISSIONS**

(Optional for unregulated emissions units.)

Potential/Estimated Fugitive Emissions

Complete for each pollutant identified in Subsection E if applying for an air construction permit or concurrent processing of an air construction permit and a revised or renewal Title V permit. Complete for each emissions-limited pollutant identified in Subsection E if applying for an air operation permit.

1. Pollutant Emitted: PM	2. Total Percent Efficiency of Control:
3. Potential Emissions: 18.43 lb/hour 55.8 tons/year	4. Synthetically Limited? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
5. Range of Estimated Fugitive Emissions (as applicable): to tons/year	
6. Emission Factor: 18.43 lbs/hr Reference: 62-296.320(4)(a)2 – Process Weight Table	7. Emissions Method Code: 0
8. Calculation of Emissions: $E = 3.59p^{0.62} = 3.59 \times (14)^{0.62} = 18.43 \text{ lbs/hr}$ $E = 18.43 \text{ lbs/hr} \times 8,760 \text{ hrs/yr} \times \text{ton}/2,000 \text{ lbs} = 80.7 \text{ tons}$	
9. Pollutant Potential/Estimated Fugitive Emissions Comment: Permit limits PM to 55.8 TPY	

**F2. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION -
 ALLOWABLE EMISSIONS**

Complete if the pollutant identified in Subsection F1 is or would be subject to a numerical emissions limitation.

Allowable Emissions Allowable Emissions 1 of 1

1. Basis for Allowable Emissions Code: RULE	2. Future Effective Date of Allowable Emissions:
3. Allowable Emissions and Units: 18.43 lbs/hr	4. Equivalent Allowable Emissions: 18.43 lb/hour 55.8 tons/year
5. Method of Compliance: DEP Method 9	
6. Allowable Emissions Comment (Description of Operating Method): 62-296.320(4)(a)2 – Process Weight Table Permit limits PM to 55.8 TPY	

Allowable Emissions Allowable Emissions _____ of _____

1. Basis for Allowable Emissions Code:	2. Future Effective Date of Allowable Emissions:
3. Allowable Emissions and Units:	4. Equivalent Allowable Emissions: lb/hour tons/year
5. Method of Compliance:	
6. Allowable Emissions Comment (Description of Operating Method):	

Allowable Emissions Allowable Emissions _____ of _____

1. Basis for Allowable Emissions Code:	2. Future Effective Date of Allowable Emissions:
3. Allowable Emissions and Units:	4. Equivalent Allowable Emissions: lb/hour tons/year
5. Method of Compliance:	
6. Allowable Emissions Comment (Description of Operating Method):	

EMISSIONS UNIT INFORMATION

Section [3] of [4]

G. VISIBLE EMISSIONS INFORMATION

Complete if this emissions unit is or would be subject to a unit-specific visible emissions limitation.

Visible Emissions Limitation: Visible Emissions Limitation 1 of 1

1. Visible Emissions Subtype: VE20	2. Basis for Allowable Opacity: <input checked="" type="checkbox"/> Rule <input type="checkbox"/> Other
3. Allowable Opacity: Normal Conditions: 20 % Exceptional Conditions: % Maximum Period of Excess Opacity Allowed: min/hour	
4. Method of Compliance: DEP Method 9	
5. Visible Emissions Comment: 62-296.320(4)(b)(1), F.A.C.	

Visible Emissions Limitation: Visible Emissions Limitation ____ of ____

1. Visible Emissions Subtype:	2. Basis for Allowable Opacity: <input type="checkbox"/> Rule <input type="checkbox"/> Other
3. Allowable Opacity: Normal Conditions: % Exceptional Conditions: % Maximum Period of Excess Opacity Allowed: min/hour	
4. Method of Compliance:	
5. Visible Emissions Comment:	

EMISSIONS UNIT INFORMATION

Section [3] of [4]

H. CONTINUOUS MONITOR INFORMATION

Complete if this emissions unit is or would be subject to continuous monitoring.

Continuous Monitoring System: Continuous Monitor _____ of _____

1. Parameter Code:	2. Pollutant(s):
3. CMS Requirement:	<input type="checkbox"/> Rule <input type="checkbox"/> Other
4. Monitor Information... Manufacturer: Model Number: Serial Number:	
5. Installation Date:	6. Performance Specification Test Date:
7. Continuous Monitor Comment:	

Continuous Monitoring System: Continuous Monitor _____ of _____

1. Parameter Code:	2. Pollutant(s):
3. CMS Requirement:	<input type="checkbox"/> Rule <input type="checkbox"/> Other
4. Monitor Information... Manufacturer: Model Number: Serial Number:	
5. Installation Date:	6. Performance Specification Test Date:
7. Continuous Monitor Comment:	

EMISSIONS UNIT INFORMATION

Section [3] of [4]

H. CONTINUOUS MONITOR INFORMATION (CONTINUED)

Complete if this emissions unit is or would be subject to continuous monitoring.

Continuous Monitoring System: Continuous Monitor ____ of ____

1. Parameter Code:	2. Pollutant(s):
3. CMS Requirement:	<input type="checkbox"/> Rule <input type="checkbox"/> Other
4. Monitor Information... Manufacturer: Model Number: Serial Number:	
5. Installation Date:	6. Performance Specification Test Date:
7. Continuous Monitor Comment:	

Continuous Monitoring System: Continuous Monitor ____ of ____

1. Parameter Code:	2. Pollutant(s):
3. CMS Requirement:	<input type="checkbox"/> Rule <input type="checkbox"/> Other
4. Monitor Information... Manufacturer: Model Number: Serial Number:	
5. Installation Date:	6. Performance Specification Test Date:
7. Continuous Monitor Comment:	

EMISSIONS UNIT INFORMATION

Section [3] of [4]

I. EMISSIONS UNIT ADDITIONAL INFORMATION

Additional Requirements for All Applications, Except as Otherwise Stated

1. Process Flow Diagram (Required for all permit applications, except Title V air operation permit revision applications if this information was submitted to the department within the previous five years and would not be altered as a result of the revision being sought) <input checked="" type="checkbox"/> Attached, Document ID: <u>3A</u> <input type="checkbox"/> Previously Submitted, Date _____
2. Fuel Analysis or Specification (Required for all permit applications, except Title V air operation permit revision applications if this information was submitted to the department within the previous five years and would not be altered as a result of the revision being sought) <input type="checkbox"/> Attached, Document ID: _____ <input type="checkbox"/> Previously Submitted, Date _____
3. Detailed Description of Control Equipment (Required for all permit applications, except Title V air operation permit revision applications if this information was submitted to the department within the previous five years and would not be altered as a result of the revision being sought) <input checked="" type="checkbox"/> Attached, Document ID: <u>3B</u> <input type="checkbox"/> Previously Submitted, Date _____
4. Procedures for Startup and Shutdown (Required for all operation permit applications, except Title V air operation permit revision applications if this information was submitted to the department within the previous five years and would not be altered as a result of the revision being sought) <input type="checkbox"/> Attached, Document ID: _____ <input type="checkbox"/> Previously Submitted, Date _____ <input checked="" type="checkbox"/> Not Applicable (construction application)
5. Operation and Maintenance Plan (Required for all permit applications, except Title V air operation permit revision applications if this information was submitted to the department within the previous five years and would not be altered as a result of the revision being sought) <input type="checkbox"/> Attached, Document ID: _____ <input type="checkbox"/> Previously Submitted, Date _____ <input checked="" type="checkbox"/> Not Applicable
6. Compliance Demonstration Reports/Records <input type="checkbox"/> Attached, Document ID: _____ Test Date(s)/Pollutant(s) Tested: _____ <input checked="" type="checkbox"/> Previously Submitted, Date: _____ Test Date(s)/Pollutant(s) Tested: <u>Feb. 11, 2004 / PM</u> <input type="checkbox"/> To be Submitted, Date (if known): _____ Test Date(s)/Pollutant(s) Tested: _____ <input type="checkbox"/> Not Applicable Note: For FESOP applications, all required compliance demonstration records/reports must be submitted at the time of application. For Title V air operation permit applications, all required compliance demonstration reports/records must be submitted at the time of application, or a compliance plan must be submitted at the time of application.
7. Other Information Required by Rule or Statute <input type="checkbox"/> Attached, Document ID: _____ <input type="checkbox"/> Not Applicable

EMISSIONS UNIT INFORMATION

Section [3] of [4]

Additional Requirements for Air Construction Permit Applications

1. Control Technology Review and Analysis (Rules 62-212.400(6) and 62-212.500(7), F.A.C.; 40 CFR 63.43(d) and (e)) <input type="checkbox"/> Attached, Document ID: _____ <input type="checkbox"/> Not Applicable
2. Good Engineering Practice Stack Height Analysis (Rule 62-212.400(5)(h)6., F.A.C., and Rule 62-212.500(4)(f), F.A.C.) <input type="checkbox"/> Attached, Document ID: _____ <input type="checkbox"/> Not Applicable
3. Description of Stack Sampling Facilities (Required for proposed new stack sampling facilities only) <input type="checkbox"/> Attached, Document ID: _____ <input type="checkbox"/> Not Applicable

Additional Requirements for Title V Air Operation Permit Applications

1. Identification of Applicable Requirements <input checked="" type="checkbox"/> Attached, Document ID: 3C
2. Compliance Assurance Monitoring <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable
3. Alternative Methods of Operation <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable
4. Alternative Modes of Operation (Emissions Trading) <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable
5. Acid Rain Part Application <input type="checkbox"/> Certificate of Representation (EPA Form No. 7610-1) <input type="checkbox"/> Copy Attached, Document ID: _____ <input type="checkbox"/> Acid Rain Part (Form No. 62-210.900(1)(a)) <input type="checkbox"/> Attached, Document ID: _____ <input type="checkbox"/> Previously Submitted, Date: _____ <input type="checkbox"/> Repowering Extension Plan (Form No. 62-210.900(1)(a)1.) <input type="checkbox"/> Attached, Document ID: _____ <input type="checkbox"/> Previously Submitted, Date: _____ <input type="checkbox"/> New Unit Exemption (Form No. 62-210.900(1)(a)2.) <input type="checkbox"/> Attached, Document ID: _____ <input type="checkbox"/> Previously Submitted, Date: _____ <input type="checkbox"/> Retired Unit Exemption (Form No. 62-210.900(1)(a)3.) <input type="checkbox"/> Attached, Document ID: _____ <input type="checkbox"/> Previously Submitted, Date: _____ <input type="checkbox"/> Phase II NOx Compliance Plan (Form No. 62-210.900(1)(a)4.) <input type="checkbox"/> Attached, Document ID: _____ <input type="checkbox"/> Previously Submitted, Date: _____ <input type="checkbox"/> Phase II NOx Averaging Plan (Form No. 62-210.900(1)(a)5.) <input type="checkbox"/> Attached, Document ID: _____ <input type="checkbox"/> Previously Submitted, Date: _____ <input checked="" type="checkbox"/> Not Applicable

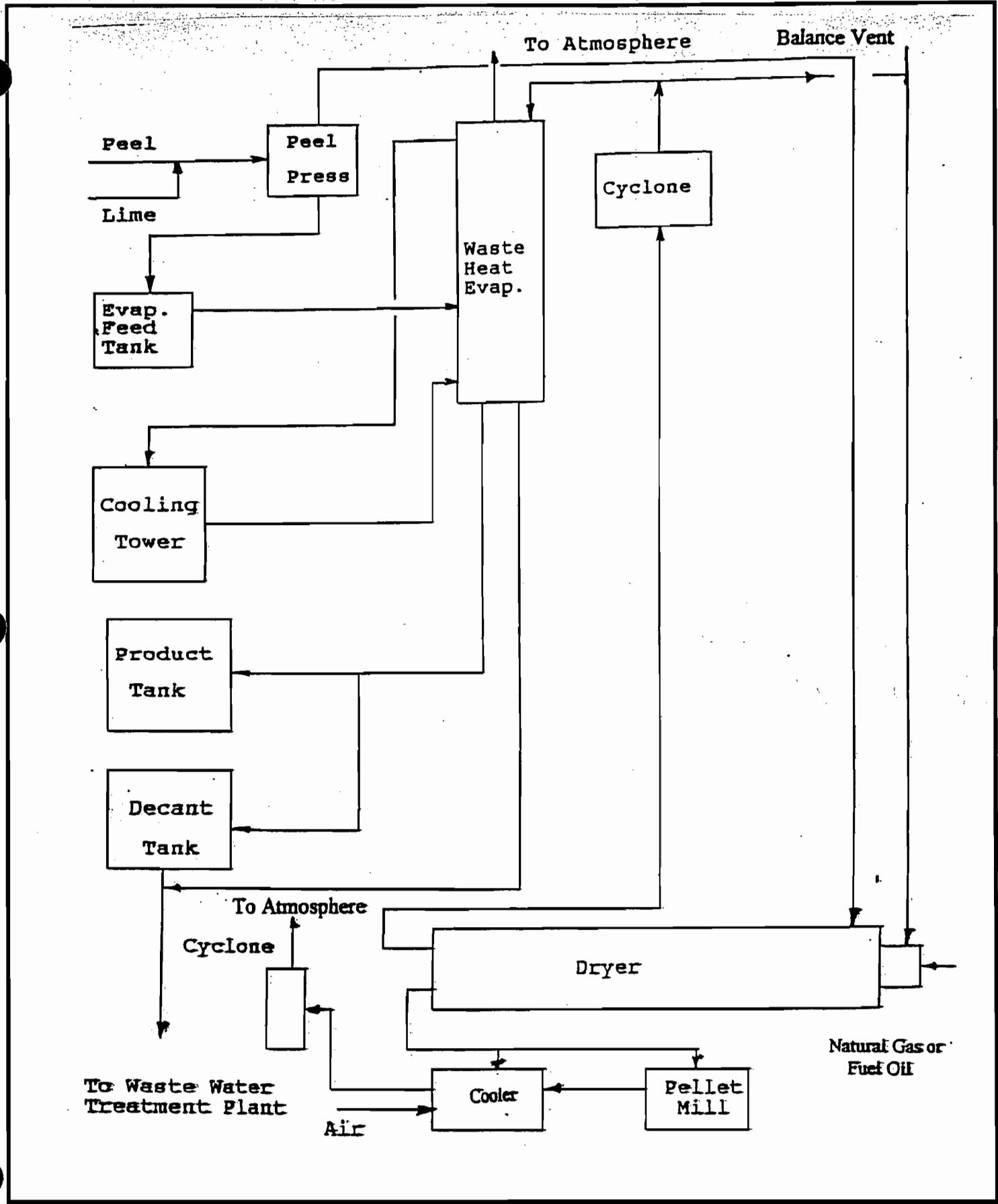
EMISSIONS UNIT INFORMATION

Section [3] of [4]

Additional Requirements Comment

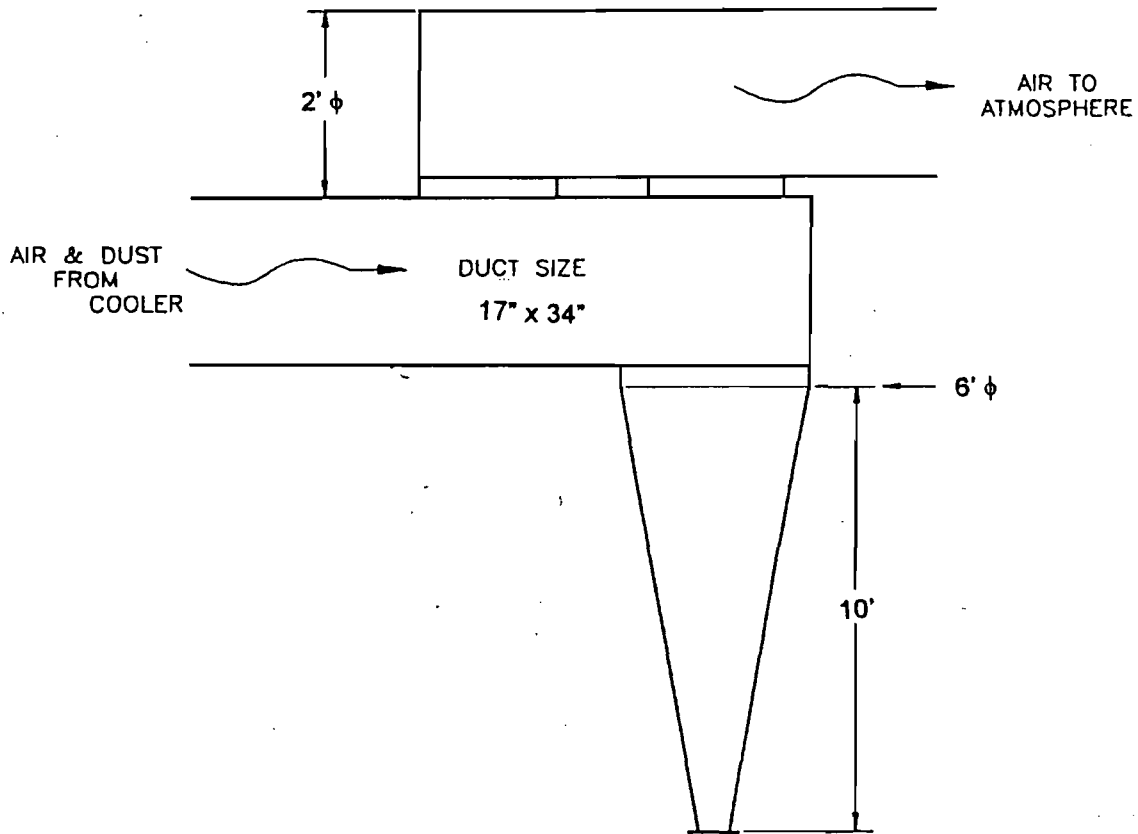
**FEED COOLER -
SUPPLEMENTAL
INFORMATION**

**3A - PROCESS FLOW
DIAGRAM**



**CUTRALE CITRUS JUICES USA - LEESBURG
CITRUS PEEL DRYING/COOLING SYSTEM**

**3B - CONTROL EQUIPMENT
DESCRIPTION**



SCALE 1"=3'
DATE 06/04/96
BY BSC
DRAWING NO.
ES-A423-P-020

**CUTRALE CITRUS JUICES USA – LEESBURG
CYCLONE SEPARATOR**

**3C - ADDITIONAL APPLICABLE
REQUIREMENTS**

List of Applicable Regulations

Federal:		See Facility Additional Information Attachment Document ID: E
State:	62-296.320(4)(a),	General PM Emission Limiting Standard - Process Weight Table
F.A.C.	62-296.320(4)(b), F.A.C.	General Visible Emission Standard
Local:	None	

**EMISSION UNIT NO. 4 -
COGENERATION SYSTEM**

EMISSIONS UNIT INFORMATION

Section [4] of [4]

A. GENERAL EMISSIONS UNIT INFORMATION

Title V Air Operation Permit Emissions Unit Classification

1. Regulated or Unregulated Emissions Unit? (Check one, if applying for an initial, revised or renewal Title V air operation permit. Skip this item if applying for an air construction permit or FESOP only.)

The emissions unit addressed in this Emissions Unit Information Section is a regulated emissions unit.

The emissions unit addressed in this Emissions Unit Information Section is an unregulated emissions unit.

Emissions Unit Description and Status

1. Type of Emissions Unit Addressed in this Section: (Check one)

This Emissions Unit Information Section addresses, as a single emissions unit, a single process or production unit, or activity, which produces one or more air pollutants and which has at least one definable emission point (stack or vent).

This Emissions Unit Information Section addresses, as a single emissions unit, a group of process or production units and activities which has at least one definable emission point (stack or vent) but may also produce fugitive emissions.

This Emissions Unit Information Section addresses, as a single emissions unit, one or more process or production units and activities which produce fugitive emissions only.

3. Description of Emissions Unit Addressed in this Section:
Cogeneration System w/Coen Duct Burner and ERI waste heat boiler

3. Emissions Unit Identification Number: 007

4. Emissions Unit Status Code: A	5. Commence Construction Date:	6. Initial Startup Date: 1988	7. Emissions Unit Major Group SIC Code: 20	8. Acid Rain Unit? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
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9. Package Unit:
Manufacturer: Solar Centaur Model Number: "H"

10. Generator Nameplate Rating: 4 MW

11. Emissions Unit Comment:

EMISSIONS UNIT INFORMATION

Section [4] of [4]

Emissions Unit Control Equipment

1. Control Equipment/Method(s) Description:
None

2. Control Device or Method Code(s):

EMISSIONS UNIT INFORMATION

Section [4] of [4]

C. EMISSION POINT (STACK/VENT) INFORMATION
 (Optional for unregulated emissions units.)

Emission Point Description and Type

1. Identification of Point on Plot Plan or Flow Diagram: 007		2. Emission Point Type Code: 1	
3. Descriptions of Emission Points Comprising this Emissions Unit for VE Tracking:			
4. ID Numbers or Descriptions of Emission Units with this Emission Point in Common:			
5. Discharge Type Code: V	6. Stack Height: 40 feet	7. Exit Diameter: 4.7 feet	
8. Exit Temperature: 480°F	9. Actual Volumetric Flow Rate: 46,700 acfm	10. Water Vapor: %	
11. Maximum Dry Standard Flow Rate: dscfm		12. Nonstack Emission Point Height: feet	
13. Emission Point UTM Coordinates... Zone: East (km): North (km):		14. Emission Point Latitude/Longitude... Latitude (DD/MM/SS) Longitude (DD/MM/SS)	
<p>15. Emission Point Comment: The Cogeneration system has two stacks; Stack #1 is located at the exhaust of the turbine prior to the boiler and Stack #2 is located at the exhaust of the boiler. Their use is dependent upon the mode of operation:</p> <p>1) If no steam generation is required the turbine exhaust gases are exhausted through the #1 stack.</p> <p>2) If less steam is required than would be generated by passing all the turbine exhaust gases through the boiler, then part of the exhaust stream would be diverted through the boiler and the rest through the #1 stack.</p> <p>When the steam requirement is equal to or greater than that would be generated by passing all the turbine exhaust gases through the boiler, then all the exhaust would pass through the boiler and out stack #2. In this mode the Coen duct burner may also be fired depending on steam needs.</p>			

EMISSIONS UNIT INFORMATION

Section [4] of [4]

D. SEGMENT (PROCESS/FUEL) INFORMATION**Segment Description and Rate:** Segment 1 of 4

1. Segment Description (Process/Fuel Type): Turbine fired with natural gas		
2. Source Classification Code (SCC): 2-01-002-01		3. SCC Units: MMCF Burned
4. Maximum Hourly Rate: 0.0533	5. Maximum Annual Rate: 396.4	6. Estimated Annual Activity Factor:
7. Maximum % Sulfur:	8. Maximum % Ash:	9. Million Btu per SCC Unit: 1050
10. Segment Comment:		

Segment Description and Rate: Segment 2 of 4

1. Segment Description (Process/Fuel Type): Turbine fired with #2 fuel oil		
2. Source Classification Code (SCC): 2-01-001-01		3. SCC Units: Mgal Burned
4. Maximum Hourly Rate: 0.342	5. Maximum Annual Rate: 562.9	6. Estimated Annual Activity Factor:
7. Maximum % Sulfur: 0.5	8. Maximum % Ash:	9. Million Btu per SCC Unit: 140
10. Segment Comment:		

EMISSIONS UNIT INFORMATION

Section [4] of [4]

D. SEGMENT (PROCESS/FUEL) INFORMATION (CONTINUED)**Segment Description and Rate:** Segment 3 of 4

1. Segment Description (Process/Fuel Type): Duct Burner fired with natural gas		
2. Source Classification Code (SCC): 1-03-006-02		3. SCC Units: MMCF Burned
4. Maximum Hourly Rate: 0.0951	5. Maximum Annual Rate: 380.6	6. Estimated Annual Activity Factor:
7. Maximum % Sulfur:	8. Maximum % Ash:	9. Million Btu per SCC Unit: 1050
10. Segment Comment:		

Segment Description and Rate: Segment 4 of 4

1. Segment Description (Process/Fuel Type): Duct burner fired with fuel oil		
2. Source Classification Code (SCC): 1-03-004-01		3. SCC Units: Mgal Burned
4. Maximum Hourly Rate: 0.612	5. Maximum Annual Rate: 367.2	6. Estimated Annual Activity Factor:
7. Maximum % Sulfur: 1.5	8. Maximum % Ash:	9. Million Btu per SCC Unit: 150
10. Segment Comment: Limited to 600 hrs		

**F1. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION –
POTENTIAL/ESTIMATED FUGITIVE EMISSIONS**

(Optional for unregulated emissions units.)

Potential/Estimated Fugitive Emissions

Complete for each pollutant identified in Subsection E if applying for an air construction permit or concurrent processing of an air construction permit and a revised or renewal Title V permit. Complete for each emissions-limited pollutant identified in Subsection E if applying for an air operation permit.

1. Pollutant Emitted: NOX		2. Total Percent Efficiency of Control:	
3. Potential Emissions: 82.94 lb/hour 136 tons/year		4. Synthetically Limited? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
5. Range of Estimated Fugitive Emissions (as applicable): to tons/year			
6. Emission Factor: Turbine: gas – 0.32 lbs/MMBtu, #2 F.O. – 0.88 lbs/MMBtu (67.8 lbs per Mgal) Duct Burner: gas – 140 lbs/MMBtu, #6 F.O. – 55 lbs/Mgal Reference: AP-42		7. Emissions Method Code: 3	
8. Calculation of Emissions: Turbine: 0.88 lb/MMBtu x 56 MMBtu/hr = 49.28 lbs/hr (0.88 lbs/Mgal x 136.8 Mgal + 0.32 lb/MMBtu x 56 MMBtu/hr x (8,760 - 342) hrs/yr) x ton/2,000 lbs = 75.48 tons Duct Burner: 55 lbs/Mgal x 0.612 Mgal/hr = 33.66 lbs/hr (55 lbs/Mgal x 365.4 Mgal + 140 lbs/MMCF x 0.0951 MMCFH x (8,760 - 1171) hrs/yr) x ton/2,000 lbs = 60.57 tons			
9. Pollutant Potential/Estimated Fugitive Emissions Comment: Hourly rate based on firing fuel oil; yearly rate based on firing maximum amount of fuel oil and natural gas the remainder of the year. Present permit sets amount and sulfur content of fuel oil that can be fired.			

**F2. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION -
ALLOWABLE EMISSIONS**

Complete if the pollutant identified in Subsection F1 is or would be subject to a numerical emissions limitation.

Allowable Emissions Allowable Emissions 1 of 1

1. Basis for Allowable Emissions Code: RULE	2. Future Effective Date of Allowable Emissions:
3. Allowable Emissions and Units: 168 ppmv	4. Equivalent Allowable Emissions: 28.9 lb/hour 126.6 tons/year
5. Method of Compliance: EPA Method 20	
6. Allowable Emissions Comment (Description of Operating Method): Turbine is subject to NSPS - 40CFR, Subpart GG Turbine flow rate = 24,000 dscfm x 60 min/hr x 168 x 10 ⁻⁶ x 46 lbs/mole x mole/385 CF = 28.9 lbs/hr x 8,760 hrs/yr x ton/2,000 lbs = 126.6 TPY No limit when firing fuel oil in turbine.	

Allowable Emissions Allowable Emissions ____ of ____

1. Basis for Allowable Emissions Code:	2. Future Effective Date of Allowable Emissions:
3. Allowable Emissions and Units:	4. Equivalent Allowable Emissions: lb/hour tons/year
5. Method of Compliance:	
6. Allowable Emissions Comment (Description of Operating Method):	

Allowable Emissions Allowable Emissions ____ of ____

1. Basis for Allowable Emissions Code:	2. Future Effective Date of Allowable Emissions:
3. Allowable Emissions and Units:	4. Equivalent Allowable Emissions: lb/hour tons/year
5. Method of Compliance:	
6. Allowable Emissions Comment (Description of Operating Method):	

**F1. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION –
POTENTIAL/ESTIMATED FUGITIVE EMISSIONS**

(Optional for unregulated emissions units.)

Potential/Estimated Fugitive Emissions

Complete for each pollutant identified in Subsection E if applying for an air construction permit or concurrent processing of an air construction permit and a revised or renewal Title V permit. Complete for each emissions-limited pollutant identified in Subsection E if applying for an air operation permit.

1. Pollutant Emitted: SO ₂		2. Total Percent Efficiency of Control:	
3. Potential Emissions: 172.4 lb/hour 119.3 ton/year		4. Synthetically Limited? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
5. Range of Estimated Fugitive Emissions (as applicable): to tons/year			
6. Emission Factor: Turbine: gas – 0.6 lbs/MMCF, #2 F.O. – 1.01(%S) lbs/MMBtu Duct Burner: gas – 0.6 lbs/MMCF, #6 F.O. – 157(%S) lbs/Mgal Reference: AP-42		7. Emissions Method Code: 3	
8. Calculation of Emissions: Turbine: (1.01) x (0.5) lbs/MMBtu x 56 MMBtu/hr = 28.28 lbs/hr (1.01) x (0.5) lbs/MMBtu x 136.8 Mgal + 0.6 lb/MMBtu x 0.0533 MMBtu/hr x (8,760 - 342) hrs/yr x ton/2,000 lbs = 0.169 tons Duct Burner: (157 x (1.5) lbs/Mgal x 0.612 Mgal/hr = 144.126 lbs/hr (157 x (1.5) lbs/Mgal x 365.4 Mgal + 0.6 lbs/MMCF x 0.0951 MMCFH x (8,760 - 1171) hrs/yr) x ton/2,000 lbs = 43.82 tons			
9. Pollutant Potential/Estimated Fugitive Emissions Comment: Hourly rate based on firing fuel oil; yearly rate based on firing maximum amount of fuel oil and natural gas the remainder of the year. Turbine emission rate on gas based on recent stack test. Present permit sets amount and sulfur content of fuel oil that can be fired.			

**F2. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION -
ALLOWABLE EMISSIONS**

Complete if the pollutant identified in Subsection F1 is or would be subject to a numerical emissions limitation.

Allowable Emissions Allowable Emissions 1 of 1

1. Basis for Allowable Emissions Code: RULE	2. Future Effective Date of Allowable Emissions:
3. Allowable Emissions and Units: 150 ppm	4. Equivalent Allowable Emissions: 35.9 lb/hour 157.27tons/year
5. Method of Compliance: Tracking fuel use and emission factors.	
6. Allowable Emissions Comment (Description of Operating Method): Turbine is subject to NSPS - 40CFR, Subpart GG Turbine flow rate = 24,000 dscfm x 60 min/hr x 150 x 10 ⁻⁶ x 64 lbs/mole x mole/385 CF = 35.9 lbs/hr x 8,760 hrs/yr x ton/2,000 lbs = 157.27 TPY	

Allowable Emissions Allowable Emissions _____ of _____

1. Basis for Allowable Emissions Code:	2. Future Effective Date of Allowable Emissions:
3. Allowable Emissions and Units:	4. Equivalent Allowable Emissions: lb/hour tons/year
5. Method of Compliance:	
6. Allowable Emissions Comment (Description of Operating Method):	

Allowable Emissions Allowable Emissions _____ of _____

1. Basis for Allowable Emissions Code:	2. Future Effective Date of Allowable Emissions:
3. Allowable Emissions and Units:	4. Equivalent Allowable Emissions: lb/hour tons/year
5. Method of Compliance:	
6. Allowable Emissions Comment (Description of Operating Method):	

EMISSIONS UNIT INFORMATION

Section [4] of [4]

G. VISIBLE EMISSIONS INFORMATION

Complete if this emissions unit is or would be subject to a unit-specific visible emissions limitation.

Visible Emissions Limitation: Visible Emissions Limitation 1 of 1

1. Visible Emissions Subtype: VE15	2. Basis for Allowable Opacity: <input checked="" type="checkbox"/> Rule <input type="checkbox"/> Other
3. Allowable Opacity: Normal Conditions: 15 % Exceptional Conditions: % Maximum Period of Excess Opacity Allowed: min/hour	
4. Method of Compliance: DEP Method 9	
4. Visible Emissions Comment: turbine is subject to NSPS – 40 CFR, Subpart GG Permit sets VE at 15%	

Visible Emissions Limitation: Visible Emissions Limitation ____ of ____

1. Visible Emissions Subtype:	2. Basis for Allowable Opacity: <input type="checkbox"/> Rule <input type="checkbox"/> Other
3. Allowable Opacity: Normal Conditions: % Exceptional Conditions: % Maximum Period of Excess Opacity Allowed: min/hour	
4. Method of Compliance:	
5. Visible Emissions Comment:	

EMISSIONS UNIT INFORMATION

Section [4] of [4]

H. CONTINUOUS MONITOR INFORMATION

Complete if this emissions unit is or would be subject to continuous monitoring.

Continuous Monitoring System: Continuous Monitor _____ of _____

1. Parameter Code:	2. Pollutant(s):
3. CMS Requirement:	<input type="checkbox"/> Rule <input type="checkbox"/> Other
4. Monitor Information... Manufacturer: Model Number: Serial Number:	
5. Installation Date:	6. Performance Specification Test Date:
7. Continuous Monitor Comment:	

Continuous Monitoring System: Continuous Monitor _____ of _____

1. Parameter Code:	2. Pollutant(s):
3. CMS Requirement:	<input type="checkbox"/> Rule <input type="checkbox"/> Other
4. Monitor Information... Manufacturer: Model Number: Serial Number:	
5. Installation Date:	6. Performance Specification Test Date:
7. Continuous Monitor Comment:	

EMISSIONS UNIT INFORMATION

Section [4] of [4]

H. CONTINUOUS MONITOR INFORMATION (CONTINUED)

Complete if this emissions unit is or would be subject to continuous monitoring.

Continuous Monitoring System: Continuous Monitor _____ of _____

1. Parameter Code:	2. Pollutant(s):
3. CMS Requirement:	<input type="checkbox"/> Rule <input type="checkbox"/> Other
4. Monitor Information... Manufacturer: Model Number:	Serial Number:
5. Installation Date:	6. Performance Specification Test Date:
7. Continuous Monitor Comment:	

Continuous Monitoring System: Continuous Monitor _____ of _____

1. Parameter Code:	2. Pollutant(s):
3. CMS Requirement:	<input type="checkbox"/> Rule <input type="checkbox"/> Other
4. Monitor Information... Manufacturer: Model Number:	Serial Number:
5. Installation Date:	6. Performance Specification Test Date:
7. Continuous Monitor Comment:	

EMISSIONS UNIT INFORMATION

Section [4] of [4]

I. EMISSIONS UNIT ADDITIONAL INFORMATION

Additional Requirements for All Applications, Except as Otherwise Stated

1. Process Flow Diagram (Required for all permit applications, except Title V air operation permit revision applications if this information was submitted to the department within the previous five years and would not be altered as a result of the revision being sought) <input checked="" type="checkbox"/> Attached, Document ID: <u>7A</u> <input type="checkbox"/> Previously Submitted, Date _____
2. Fuel Analysis or Specification (Required for all permit applications, except Title V air operation permit revision applications if this information was submitted to the department within the previous five years and would not be altered as a result of the revision being sought) <input checked="" type="checkbox"/> Attached, Document ID: <u>7B</u> <input type="checkbox"/> Previously Submitted, Date _____
3. Detailed Description of Control Equipment (Required for all permit applications, except Title V air operation permit revision applications if this information was submitted to the department within the previous five years and would not be altered as a result of the revision being sought) <input type="checkbox"/> Attached, Document ID: _____ <input type="checkbox"/> Previously Submitted, Date _____
4. Procedures for Startup and Shutdown (Required for all operation permit applications, except Title V air operation permit revision applications if this information was submitted to the department within the previous five years and would not be altered as a result of the revision being sought) <input type="checkbox"/> Attached, Document ID: _____ <input type="checkbox"/> Previously Submitted, Date _____ <input checked="" type="checkbox"/> Not Applicable (construction application)
5. Operation and Maintenance Plan (Required for all permit applications, except Title V air operation permit revision applications if this information was submitted to the department within the previous five years and would not be altered as a result of the revision being sought) <input type="checkbox"/> Attached, Document ID: _____ <input type="checkbox"/> Previously Submitted, Date _____ <input checked="" type="checkbox"/> Not Applicable
6. Compliance Demonstration Reports/Records <input type="checkbox"/> Attached, Document ID: _____ Test Date(s)/Pollutant(s) Tested: _____ <input checked="" type="checkbox"/> Previously Submitted, Date: _____ Test Date(s)/Pollutant(s) Tested: <u>Feb. 9, 2004/NOx</u> <input type="checkbox"/> To be Submitted, Date (if known): _____ Test Date(s)/Pollutant(s) Tested: _____ <input type="checkbox"/> Not Applicable Note: For FESOP applications, all required compliance demonstration records/reports must be submitted at the time of application. For Title V air operation permit applications, all required compliance demonstration reports/records must be submitted at the time of application, or a compliance plan must be submitted at the time of application.
7. Other Information Required by Rule or Statute <input type="checkbox"/> Attached, Document ID: _____ <input type="checkbox"/> Not Applicable

EMISSIONS UNIT INFORMATION

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Additional Requirements for Air Construction Permit Applications

1. Control Technology Review and Analysis (Rules 62-212.400(6) and 62-212.500(7), F.A.C.; 40 CFR 63.43(d) and (e)) <input type="checkbox"/> Attached, Document ID: _____ <input type="checkbox"/> Not Applicable
2. Good Engineering Practice Stack Height Analysis (Rule 62-212.400(5)(h)6., F.A.C., and Rule 62-212.500(4)(f), F.A.C.) <input type="checkbox"/> Attached, Document ID: _____ <input type="checkbox"/> Not Applicable
3. Description of Stack Sampling Facilities (Required for proposed new stack sampling facilities only) <input type="checkbox"/> Attached, Document ID: _____ <input type="checkbox"/> Not Applicable

Additional Requirements for Title V Air Operation Permit Applications

1. Identification of Applicable Requirements <input checked="" type="checkbox"/> Attached, Document ID: <u>7C</u>
2. Compliance Assurance Monitoring <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable
3. Alternative Methods of Operation <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable
4. Alternative Modes of Operation (Emissions Trading) <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable
5. Acid Rain Part Application <input type="checkbox"/> Certificate of Representation (EPA Form No. 7610-1) <input type="checkbox"/> Copy Attached, Document ID: _____ <input type="checkbox"/> Acid Rain Part (Form No. 62-210.900(1)(a)) <input type="checkbox"/> Attached, Document ID: _____ <input type="checkbox"/> Previously Submitted, Date: _____ <input type="checkbox"/> Repowering Extension Plan (Form No. 62-210.900(1)(a)1.) <input type="checkbox"/> Attached, Document ID: _____ <input type="checkbox"/> Previously Submitted, Date: _____ <input type="checkbox"/> New Unit Exemption (Form No. 62-210.900(1)(a)2.) <input type="checkbox"/> Attached, Document ID: _____ <input type="checkbox"/> Previously Submitted, Date: _____ <input type="checkbox"/> Retired Unit Exemption (Form No. 62-210.900(1)(a)3.) <input type="checkbox"/> Attached, Document ID: _____ <input type="checkbox"/> Previously Submitted, Date: _____ <input type="checkbox"/> Phase II NOx Compliance Plan (Form No. 62-210.900(1)(a)4.) <input type="checkbox"/> Attached, Document ID: _____ <input type="checkbox"/> Previously Submitted, Date: _____ <input type="checkbox"/> Phase II NOx Averaging Plan (Form No. 62-210.900(1)(a)5.) <input type="checkbox"/> Attached, Document ID: _____ <input type="checkbox"/> Previously Submitted, Date: _____ <input checked="" type="checkbox"/> Not Applicable

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Section [4] of [4]

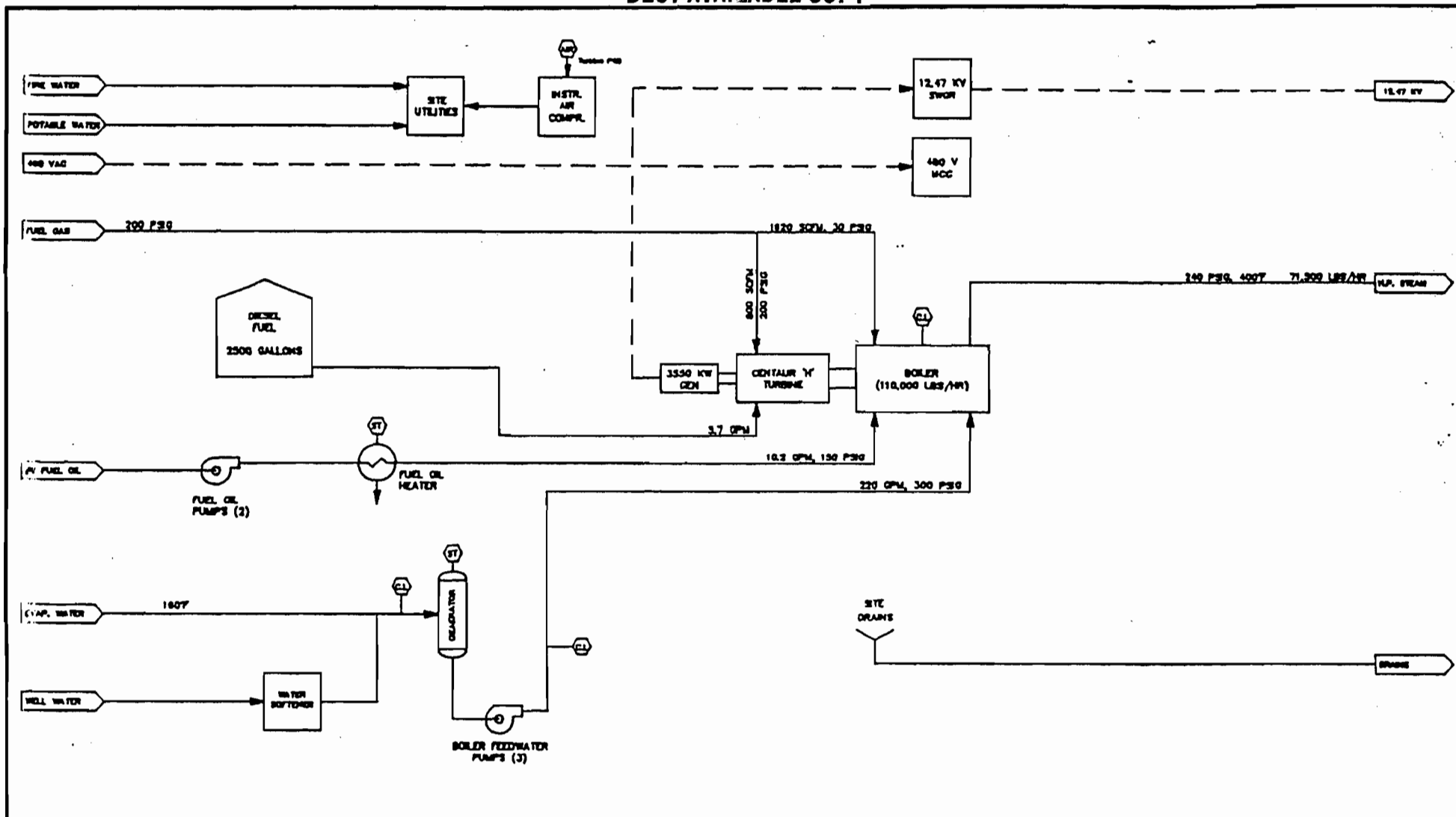
Additional Requirements Comment



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**COGENERATION SYSTEM -
SUPPLEMENTAL INFORMATION**

**4A - PROCESS FLOW
DIAGRAM**

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 CHEMICAL INJECTION
 STEAM

PROJECT		DATE	
F. BARNES		1/77	
DESIGN		DATE	
L. SCALUS		1/77	
CHECK		DATE	
DRAFT		DATE	
D.P.		1/77	
SOLAR PROJECT FILE NO. PD-60322		DRAWING NO.	
CUSTOMER IDENT. NO.		SCALE	
CENTRAC		NONE	
REV. 1		REV. 1	
60322-1500-F-001			

4B - FUEL SPECIFICATION

FGT SYSTEM CHROMATOGRAPHS

Spot Analysis of Natural Gas for Delivery in Florida

Date	Time
4/5/00	11:31 AM

8030 8031

	Perry	Perry	Brooker	Gainsville	West Palm
	36" Stream #1	30" Stream #2	24" Stream	8" Stream	24" Stream
	Mole%	Mole%	Mole%	Mole%	Mole%
Components					
Hexane	0.0470	0.0659	0.0553	0.0598	0.0571
Propane	0.3025	0.3695	0.3348	0.2250	0.3776
Iso-Butane	0.0763	0.0929	0.0834	0.0526	0.0876
N-Butane	0.0711	0.0810	0.0734	0.0471	0.0798
Iso-Pentane	0.0274	0.0354	0.0303	0.0201	0.0302
N-Pentane	0.0171	0.0224	0.0186	0.0135	0.0194
Nitrogen	0.2644	0.4139	0.3467	0.2591	0.3618
Methane	96.9132	95.6349	96.0777	97.0133	95.8773
CO2	0.7133	0.7202	0.7155	0.7654	0.6672
Ethane	1.5675	2.5638	2.2642	1.5441	2.4420
Totals	100.0000	100.0000	100.0000	100.0000	100.0000

Btu	1027.7	1036.5	1033.3	1024.9	1036.0	Dry Btu/cf @ 14.73
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Gravity	0.5777	0.5850	0.5822	0.5767	0.5832	Real Relative Density
---------	--------	--------	--------	--------	--------	-----------------------

Total Sulfur	4.4984	2.0907	1.7440			PPM
	0.2811	0.1307	0.1090			Grains/hcf

Current H2O	0.0000		0.8287		2.1064	Lbs. Per MMcf
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AMERADA HESS CORPORATION
TYPICAL MARKETING SPECIFICATIONS

TAMPA TERMINAL
NO. 2 FUEL OIL

API GRAVITY	34.7
FLASH POINT	141
POUR POINT	-5
CLOUD POINT	18
% SULPHUR	0.03
CETANE	48.5
BTU	139,240
COLOR	DYED

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COASTAL FUELS MARKETING, INC
 PORT MANATEE, FL

	13.31.29		Calculated BLEND
LAB			
DATE TESTED			
TANK			
PRODUCT			615B
VOLUME			100.0
BLEND %			100.0
	Test Method	UNITS	
SPECIFIC GRAVITY		60/60 F	1.0111
API GRAVITY	D-1298	60 F	8.45
FLASH POINT	D-93	DEG F	190
VISCOSITY (@122 F)	D-445	SFS	290.4
	D-445	cSt	615.7
POUR POINT	D-97	DEG F	32
SULFUR	D-4294	% WT.	1.440
WATER BY DISTILLATION	D-95	% VOL.	0.54
SEDIMENT BY HOT FILTRATION	IP 350B	% WT.	0.051
GROSS HEAT OF COMBUSTION	D-240	BTU/GAL.	152479
ASH (sample. g)	D482	% WT.	0.096
ASPHALTINES	IP-143	% WT.	5.17
CARBON RESIDUE	D-4530	% WT.	16.06
VANADIUM	D-5863A	ppm	97.1
SODIUM	D-5863B	ppm	29.0
ALUMINUM	D-5184	ppm	52.0
SILICON	D-5184	ppm	79.7

**4C - APPLICABLE
REQUIREMENTS**

List of Applicable Regulations

Federal:	40CFR60, Subpart GG	Stationary Gas Turbines
State:	62-296.406(2)	Fossil Fuel Steam Generators - < 250 MMBtu/hr input - PM Standard
	62-296.406(2)	Fossil Fuel Steam Generators - < 250 MMBtu/hr input - SO2 Standard
Local:	None	

**4D - ALTERNATIVE METHODS
OF OPERATION**

Alternative Methods of Operation

The turbine is normally fired with natural gas but can be fired with No.2 fuel oil with a maximum of 0.5% sulfur for up to a maximum of 136,800 gallons per year. The duct burner is normally fired with natural gas but can be fired with fuel oil with a maximum of 1.5% sulfur for up to a maximum of 365,400 gallons per year.