

602 McKean Street  
Auburndale, FL 33823-4070  
Tel. 863-965-5000



**May 30, 2001**

MR. JOSEPH KAHN, P.E.  
**Florida Department of Environmental Protection**  
DARM, Bureau of Air Regulation  
Mail Station #5505  
2600 Blair Stone Road  
Tallahassee, FL 32399-2400

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Bureau of Air Monitoring  
& Mobile Sources

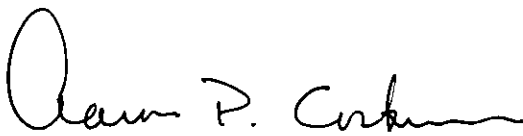
**Re: Cutrale Citrus Juices USA, Inc.**  
**1050023-002-AV**

Dear Mr. Kahn:

Enclosed are two copies of an application requesting a modification to the referenced permit. Cutrale is requesting a modification to the citrus peel drying process that includes emission units 001 (No. 1 dryer) and 003 (No. 2 dryer). As a Title V facility no application fee is required. The modification requests the addition of a fifth waste heat evaporator and a change in the dryer exhaust ducts that will result in the need for a single exhaust stack (see included process description and flow sheets).

If you have any further questions, please contact me at (863) 965-5209 or Kenneth E. Given, P.E. at (813) 651-0878.

Sincerely,  
Cutrale Citrus Juices USA, Inc.

  
AARON P. CORKUM  
Plant Manager

cc: Kenneth Given, P.E., ATC  
Jim McDonald, P.E., FDEP South District

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

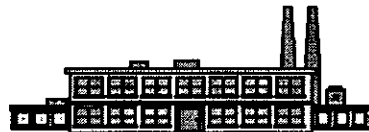
**APPLICATION FOR MODIFICATION  
TO TITLE V AIR PERMIT**

***PREPARED FOR:***

***CUTRALE CITRUS JUICES USA, INC.  
602 McKEAN STREET  
AUBURNDALE, FLORIDA  
POLK COUNTY***

***PREPARED BY:***

***ATC***



***AIR TESTING & CONSULTING***

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



# Department of Environmental Protection

## Division of Air Resources Management

### APPLICATION FOR AIR PERMIT - TITLE V SOURCE

See Instructions for Form No. 62-210.900(1)

#### I. APPLICATION INFORMATION

##### Identification of Facility

1. Facility Owner/Company Name: <b>CUTRALE CITRUS JUICES USA, INC.</b>	
2. Site Name: <b>CUTRALE CITRUS JUICES USA, INC. - AUBURNDALE</b>	
3. Facility Identification Number: <b>1050023</b> [ ] Unknown	
4. Facility Location: Street Address or Other Locator: <b>602 MCKEAN STREET</b> City: <b>AUBURNDALE</b> County: <b>POLK</b> Zip Code: <b>33823</b>	
5. Relocatable Facility? [ ] Yes [ <b>X</b> ] No	6. Existing Permitted Facility? [ <b>X</b> ] Yes [ ] No

##### Application Contact

1. Name and Title of Application Contact: <b>AARON P. CORKUM - PLANT MANAGER - AUBURNDALE</b>	
2. Application Contact Mailing Address: Organization/Firm: <b>CUTRALE CITRUS JUICES USA, INC. - AUBURNDALE</b> Street Address: <b>602 MCKEAN STREET</b> City: <b>AUBURNDALE</b> State: <b>FLORIDA</b> Zip Code: <b>33823</b>	
3. Application Contact Telephone Numbers: Telephone: <b>( 863 ) 965 - 5209</b> Fax: <b>( 863 ) 965 - 5195</b>	

##### Application Processing Information (DEP Use)

1. Date of Receipt of Application:	<i>6-1-01</i>
2. Permit Number:	<i>1050023-014-AC</i>
3. PSD Number (if applicable):	
4. Siting Number (if applicable):	

**Purpose of Application**

**Air Operation Permit Application**

This Application for Air Permit is submitted to obtain: (Check one)

- Initial Title V air operation permit for an existing facility which is classified as a Title V source.
- Initial Title V air operation permit for a facility which, upon start up of one or more newly constructed or modified emissions units addressed in this application, would become classified as a Title V source.  
Current construction permit number: \_\_\_\_\_
- Title V air operation permit revision to address one or more newly constructed or modified emissions units addressed in this application.  
Current construction permit number: \_\_\_\_\_  
Operation permit number to be revised: \_\_\_\_\_
- Title V air operation permit revision or administrative correction to address one or more proposed new or modified emissions units and to be processed concurrently with the air construction permit application. (Also check Air Construction Permit Application below.)  
Operation permit number to be revised/corrected: \_\_\_\_\_
- Title V air operation permit revision for reasons other than construction or modification of an emissions unit. Give reason for the revision; e.g., to comply with a new applicable requirement or to request approval of an "Early Reductions" proposal.  
Operation permit number to be revised: \_\_\_\_\_  
Reason for revision: \_\_\_\_\_

**Air Construction Permit Application**

This Application for Air Permit is submitted to obtain: (Check one)

- Air construction permit to construct or modify one or more emissions units.
- Air construction permit to make federally enforceable an assumed restriction on the potential emissions of one or more existing, permitted emissions units.
- Air construction permit for one or more existing, but unpermitted, emissions units.

**Owner/Authorized Representative or Responsible Official**

1. Name and Title of Owner/Authorized Representative or Responsible Official: Aaron P. Corkum – Plant Manager - Auburndale
2. Owner/Authorized Representative or Responsible Official Mailing Address: Organization/Firm: Cutrale citrus Juices USA, Inc. Street Address: 602 McKean Street City: Auburndale    State: Florida    Zip Code: 33823
3. Owner/Authorized Representative or Responsible Official Telephone Numbers: Telephone: ( 863 ) 965 - 5209    Fax: ( 863 ) 965 - 5195
4. Owner/Authorized Representative or Responsible Official Statement: <i>I, the undersigned, am the owner or authorized representative*(check here [    ], if so) or the responsible official (check here [ X ], if so) of the Title V source addressed in this application, whichever is applicable. 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. 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 any permitted emissions unit.</i>  <p>_____    <u>5/31/01</u></p> <p>Signature    Date</p>

\* Attach letter of authorization if not currently on file.

**Professional Engineer Certification**

1. Professional Engineer Name: <b>Kenneth E. Given</b> Registration Number: <b>23203</b>
2. Professional Engineer Mailing Address:  Organization/Firm: <b>Air Testing &amp; Consulting, Inc.</b> Street Address: <b>333 Falkenburg Rd. N. B-214</b> City: <b>Tampa</b> State: <b>Florida</b> Zip Code: <b>33619</b>
3. Professional Engineer Telephone Numbers: Telephone: ( <b>813</b> ) <b>651 - 0878</b> Fax: ( <b>813</b> ) <b>653 - 9082</b>

4. Professional Engineer Statement:

*I, the undersigned, hereby certify, except as particularly noted herein\*, that:*

*(1) 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*

*(2) 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.*

*If the purpose of this application is to obtain a Title V source air operation permit (check here [ ], 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 schedule is submitted with this application.*

*If the purpose of this application is to obtain an air construction permit for one or more proposed new or modified emissions units (check here [ X ], 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.*

*If the purpose of this application is to obtain an initial air operation permit or operation permit revision for one or more newly constructed or modified emissions units (check here [ ], 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.*

*Kenneth Leven*  
\_\_\_\_\_  
Signature

*5/30/01*  
\_\_\_\_\_  
Date

(seal)

\* Attach any exception to certification statement.

**Scope of Application**

<b>Emissions Unit ID</b>	<b>Description of Emissions Unit</b>	<b>Permit Type</b>	<b>Processing Fee</b>
001	60,000 lbs/hr – Citrus peel dryer No. 1	ACM1	
003	60,000 lbs/hr – Citrus peel dryer No. 2	ACM1	

**Application Processing Fee**

Check one: [ ] Attached - Amount: \$ \_\_\_\_\_ [ X ] Not Applicable

**Construction/Modification Information**

1. Description of Proposed Project or Alterations:

Dryer No. 1 exhausts to waste heat evaporators (WHE) A/B which have a combined heat recovery rating of 106,000 lbs/hr of water. Dryer No. 2 exhausts to waste heat evaporators (WHE) C/D which have heat recovery ratings of 50,000 lbs/hr of water and 60,000 lbs/hr of water, respectively. The A/B WHE exhausts to a 57" diameter stack and the C/D WHE exhausts to a 38" diameter stack.

Cutrale proposes to add a fifth WHE, rated at 60,000 lbs/hr of water. The existing dryer exhaust ducts will be modified so that both dryer exhausts will combine in a manifold upon leaving each dryer's dust separator. The manifold will be tied into the five (A, B, C, D and E) waste heat evaporators. All the exhaust from the evaporators will combine in a manifold and be directed into a new 68" diameter exhaust stack. The new evaporator (E) will include a water scrubbing system to clean the evaporator walls and remove particulate matter.

2. Projected or Actual Date of Commencement of Construction: 7/15/01

3. Projected Date of Completion of Construction: 11/15/01

**Application Comment**

The project will not increase production rates in the dryers and should reduce emissions because of the additional scrubber that is part of the WHE. The purpose of the project is to increase heat recovery and to provide flexibility of operation.



## II. FACILITY INFORMATION

### A. GENERAL FACILITY INFORMATION

#### Facility Location and Type

1. Facility UTM Coordinates: Zone: 17 East (km): 421.6 North (km): 3103.7			
2. Facility Latitude/Longitude: Latitude (DD/MM/SS): Longitude (DD/MM/SS):			
3. Governmental Facility Code: 0	4. Facility Status Code: A	5. Facility Major Group SIC Code: 20	6. Facility SIC(s): 2037
7. Facility Comment (limit to 500 characters):			

#### Facility Contact

1. Name and Title of Facility Contact: Aaron P. Corkum / Plant Manager - Auburndale			
2. Facility Contact Mailing Address: Organization/Firm: Cutrale citrus Juices USA, Inc. Street Address: 602 McKean Street City: Auburndale State: Florida Zip Code: 33823			
3. Facility Contact Telephone Numbers: Telephone: (863) 965 - 5209 Fax: (863) 965 - 5195			

**Facility Regulatory Classifications**

**Check all that apply:**

1. <input type="checkbox"/> Small Business Stationary Source?	<input type="checkbox"/> Unknown
2. <input checked="" type="checkbox"/> Major Source of Pollutants Other than Hazardous Air Pollutants (HAPs)?	
3. <input type="checkbox"/> Synthetic Minor Source of Pollutants Other than HAPs?	
4. <input type="checkbox"/> Major Source of Hazardous Air Pollutants (HAPs)?	
5. <input type="checkbox"/> Synthetic Minor Source of HAPs?	
6. <input checked="" type="checkbox"/> One or More Emissions Units Subject to NSPS?	
7. <input type="checkbox"/> One or More Emission Units Subject to NESHAP?	
8. <input type="checkbox"/> Title V Source by EPA Designation?	
9. Facility Regulatory Classifications Comment (limit to 200 characters):	

**List of Applicable Regulations**

<b>Federal:</b> Title V Core List	Major Facility Regulations - effective 3/25/96 as issued by DEP
<b>State:</b> 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)

## B. FACILITY POLLUTANTS

### List of Pollutants Emitted

1. Pollutant Emitted	2. Pollutant Classif.	3. Requested Emissions Cap		4. Basis for Emissions Cap	5. Pollutant Comment
		lb/hour	tons/year		
PM	A				
NOx	A				
SO <sub>2</sub>	A				
CO	A				
VOC	A				

## C. FACILITY SUPPLEMENTAL INFORMATION

### Supplemental Requirements

1. Area Map Showing Facility Location: <input type="checkbox"/> Attached, Document ID: _____ <input type="checkbox"/> Not Applicable <input checked="" type="checkbox"/> Waiver Requested
2. Facility Plot Plan: <input type="checkbox"/> Attached, Document ID: _____ <input type="checkbox"/> Not Applicable <input checked="" type="checkbox"/> Waiver Requested
3. Process Flow Diagram(s): <input checked="" type="checkbox"/> Attached, Document ID: <u>  A  </u> <input type="checkbox"/> Not Applicable <input type="checkbox"/> Waiver Requested
4. Precautions to Prevent Emissions of Unconfined Particulate Matter: <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable <input type="checkbox"/> Waiver Requested
5. Fugitive Emissions Identification: <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable <input type="checkbox"/> Waiver Requested
6. Supplemental Information for Construction Permit Application: <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable
7. Supplemental Requirements Comment:               

**III. EMISSIONS UNIT INFORMATION**

A separate Emissions Unit Information Section (including subsections A through J as required) must be completed for each emissions unit addressed in this Application for Air Permit. If submitting the application form in hard copy, indicate, in the space provided at the top of each page, the number of this Emissions Unit Information Section and the total number of Emissions Unit Information Sections submitted as part of this application.

**A. GENERAL EMISSIONS UNIT INFORMATION  
(All Emissions Units)**

**Emissions Unit Description and Status**

<p>1. Type of Emissions Unit Addressed in This Section: (Check one)</p> <p><input type="checkbox"/> 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).</p> <p><input checked="" type="checkbox"/> 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.</p> <p><input type="checkbox"/> 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.</p>			
<p>2. Regulated or Unregulated Emissions Unit? (Check one)</p> <p><input checked="" type="checkbox"/> The emissions unit addressed in this Emissions Unit Information Section is a regulated emissions unit.</p> <p><input type="checkbox"/> The emissions unit addressed in this Emissions Unit Information Section is an unregulated emissions unit.</p>			
<p>3. Description of Emissions Unit Addressed in This Section (limit to 60 characters): Dryers No. 1 and No.2 with common exhaust stack</p>			
<p>4. Emissions Unit Identification Number: ID: 001 and 003</p>		<p><input type="checkbox"/> No ID <input type="checkbox"/> ID Unknown</p>	
<p>5. Emissions Unit Status Code: A</p>	<p>6. Initial Startup Date: 001 - 1972, 003 - 1976</p>	<p>7. Emissions Unit Major Group SIC Code: 20</p>	<p>8. Acid Rain Unit? <input type="checkbox"/></p>
<p>9. Emissions Unit Comment: (Limit to 500 Characters)</p>			

**Emissions Unit Control Equipment**

1. Control Equipment/Method Description (Limit to 200 characters per device or method): Cyclone followed by a wet scrubber (integrated with waste heat evaporator)
2. Control Device or Method Code(s):075, 003

**Emissions Unit Details**

1. Package Unit: Manufacturer:	Model Number:
2. Generator Nameplate Rating:	MW
3. Incinerator Information: Dwell Temperature:	°F
Dwell Time:	seconds
Incinerator Afterburner Temperature:	°F

**B. EMISSIONS UNIT CAPACITY INFORMATION  
(Regulated Emissions Units Only)**

**Emissions Unit Operating Capacity and Schedule**

1. Maximum Heat Input Rate:	180	mmBtu/hr
2. Maximum Incineration Rate:	lb/hr	tons/day
3. Maximum Process or Throughput Rate:	110 TPH	
4. Maximum Production Rate:		
5. Requested Maximum Operating Schedule:	hours/day	days/week
	weeks/year	8,760 hours/year
6. Operating Capacity/Schedule Comment (limit to 200 characters): Each dryer is rated at 55 TPH and 90 MMBTU/hr. The feed consists of citrus peel, lime and approximately 68 - 72% water		

**C. EMISSIONS UNIT REGULATIONS**  
**(Regulated Emissions Units Only)**

**List of Applicable Regulations**

<b>State:</b>	62-296.320(4)(a), F.A.C.	General PM Emission Limiting Standard - Process Weight Table
	62-296.320(4)(b), F.A.C.	General Visible Emission Standard



**D. EMISSION POINT (STACK/VENT) INFORMATION  
(Regulated Emissions Units Only)**

**Emission Point Description and Type**

1. Identification of Point on Plot Plan or Flow Diagram? ATTACHMENT A		2. Emission Point Type Code: 2	
3. Descriptions of Emission Points Comprising this Emissions Unit for VE Tracking (limit to 100 characters per point):			
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: 5.7 feet	
8. Exit Temperature: 135 °F	9. Actual Volumetric Flow Rate: 60,000 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 Comment (limit to 200 characters):			

**E. SEGMENT (PROCESS/FUEL) INFORMATION**  
(All Emissions Units)

**Segment Description and Rate:** Segment 1 of 3

1. Segment Description (Process/Fuel Type) (limit to 500 characters): Citrus peel drying		
3. Source Classification Code (SCC): 3-02-999-98		3. SCC Units: Tons Processed
4. Maximum Hourly Rate: 110	5. Maximum Annual Rate: 963,600	6. Estimated Annual Activity Factor:
7. Maximum % Sulfur:	8. Maximum % Ash:	9. Million Btu per SCC Unit:
10. Segment Comment (limit to 200 characters): Each dryer processes 55 TPH or a total of 110 TPH		

**Segment Description and Rate:** Segment 2 of 3

1. Segment Description (Process/Fuel Type) (limit to 500 characters): Dryer fired with natural gas		
2. Source Classification Code (SCC): 3-90-006-99		3. SCC Units: MMBTU/HR
3. Maximum Hourly Rate: 0.1714	4. Maximum Annual Rate: 1501.7	6. Estimated Annual Activity Factor:
7. Maximum % Sulfur:	8. Maximum % Ash:	9. Million Btu per SCC Unit: 1050
10. Segment Comment (limit to 200 characters): Each dryer fires at 0.0857 MMBTU/HR or a total of 0.1714 MMBTU/HR		

**Emissions Unit Information Section 1 of 1**

**Segment Description and Rate: Segment 3 of 3**

1. Segment Description (Process/Fuel Type ) (limit to 500 characters): Dryer fired with fuel oil		
5. Source Classification Code (SCC): 3-90-004-99		3. SCC Units: MGAL/HR
6. Maximum Hourly Rate: 1.2	7. Maximum Annual Rate: 10512	6. Estimated Annual Activity Factor:
8. Maximum % Sulfur: 1.95	8. Maximum % Ash:	11. Million Btu per SCC Unit: 150
12. Segment Comment (limit to 200 characters): Each dryer fires at 0.6 MGAL/HR or a total of 1.2 MGAL/HR		

**Segment Description and Rate: Segment \_\_\_ of \_\_\_**

1. Segment Description (Process/Fuel Type ) (limit to 500 characters):		
9. Source Classification Code (SCC):		3. SCC Units:
10. Maximum Hourly Rate:	11. Maximum Annual Rate:	6. Estimated Annual Activity Factor:
12. Maximum % Sulfur:	8. Maximum % Ash:	13. Million Btu per SCC Unit:
14. Segment Comment (limit to 200 characters):		

**F. EMISSIONS UNIT POLLUTANTS  
(All Emissions Units)**

1. Pollutant Emitted	2. Primary Control Device Code	3. Secondary Control Device Code	4. Pollutant Regulatory Code
PM	075	003	EL
SO <sub>2</sub>	N/A	003	EL
NO <sub>x</sub>	N/A	N/A	NS
CO	N/A	N/A	NS
VOC	N/A	N/A	NS

**G. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION**  
**(Regulated Emissions Units -**  
**Emissions-Limited and Preconstruction Review Pollutants Only)**

**Potential/Fugitive Emissions**

1. Pollutant Emitted: PM		2. Total Percent Efficiency of Control:	
3. Potential Emissions: 36.72 lbs/hour		160.84 tons/year	4. Synthetically Limited? [ ]
5. Range of Estimated Fugitive Emissions: [ ] 1 [ ] 2 [ ] 3 _____ to _____ tons/year			
6. Emission Factor: 36.72 lbs/hr Reference: Process Weight Table		7. Emissions Method Code: 0	
8. Calculation of Emissions (limit to 600 characters):  $E = 17.31P^{0.16} = 17.31 \times (110)^{0.16} = 36.72 \text{ lbs/hr}$ $36.72 \text{ lbs/hr} \times 8,760 \text{ hrs/yr} \times \text{ton}/2,000 \text{ lbs} = 160.84 \text{ tons}$			
9. Pollutant Potential/Fugitive Emissions Comment (limit to 200 characters):			

**Allowable Emissions** Allowable Emissions  1  of  1

1. Basis for Allowable Emissions Code: RULE	2. Future Effective Date of Allowable Emissions:
3. Requested Allowable Emissions and Units: 36.72 lbs/hr	4. Equivalent Allowable Emissions: 36.72 lb/hour 160.84 tons/year
5. Method of Compliance (limit to 60 characters): EPA Method 5	
6. Allowable Emissions Comment (Desc. of Operating Method) (limit to 200 characters):	

**H. VISIBLE EMISSIONS INFORMATION**  
 (Only Regulated Emissions Units Subject to a VE Limitation)

**Visible Emissions Limitation:** Visible Emissions Limitation  1  of  1

1. Visible Emissions Subtype: VE20	2. Basis for Allowable Opacity: [ X ] Rule [ ] Other
3. Requested Allowable Opacity: Normal Conditions: 20 %      Exceptional Conditions: % Maximum Period of Excess Opacity Allowed: min/hour	
4. Method of Compliance: EPA Method 9	
5. Visible Emissions Comment (limit to 200 characters):	

**I. CONTINUOUS MONITOR INFORMATION**  
 (Only Regulated Emissions Units Subject to Continuous Monitoring)

**Continuous Monitoring System:** Continuous Monitor \_\_\_\_\_ of \_\_\_\_\_

1. Parameter Code:	2. Pollutant(s):
3. CMS Requirement:	[ ] Rule [ ] Other
4. Monitor Information: Manufacturer: _____ Model Number: _____      Serial Number: _____	
5. Installation Date:	6. Performance Specification Test Date:
7. Continuous Monitor Comment (limit to 200 characters):	

**J. EMISSIONS UNIT SUPPLEMENTAL INFORMATION**  
**(Regulated Emissions Units Only)**

**Supplemental Requirements**

1. Process Flow Diagram <input checked="" type="checkbox"/> Attached, Document ID: <u>A</u> <input type="checkbox"/> Not Applicable <input type="checkbox"/> Waiver Requested
2. Fuel Analysis or Specification <input type="checkbox"/> Attached, Document ID: _____ <input type="checkbox"/> Not Applicable <input checked="" type="checkbox"/> Waiver Requested
3. Detailed Description of Control Equipment <input type="checkbox"/> Attached, Document ID: _____ <input type="checkbox"/> Not Applicable <input checked="" type="checkbox"/> Waiver Requested
4. Description of Stack Sampling Facilities <input checked="" type="checkbox"/> Attached, Document ID: <u>A</u> <input type="checkbox"/> Not Applicable <input type="checkbox"/> Waiver Requested
5. Compliance Test Report <input type="checkbox"/> Attached, Document ID: _____ <input type="checkbox"/> Previously submitted, Date: _____ <input checked="" type="checkbox"/> Not Applicable
6. Procedures for Startup and Shutdown <input type="checkbox"/> Attached, Document ID: _____ <input type="checkbox"/> Not Applicable <input type="checkbox"/> Waiver Requested
7. Operation and Maintenance Plan <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable <input type="checkbox"/> Waiver Requested
8. Supplemental Information for Construction Permit Application <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable
9. Other Information Required by Rule or Statute <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable
10. Supplemental Requirements Comment:

# **A – PROCESS FLOW**



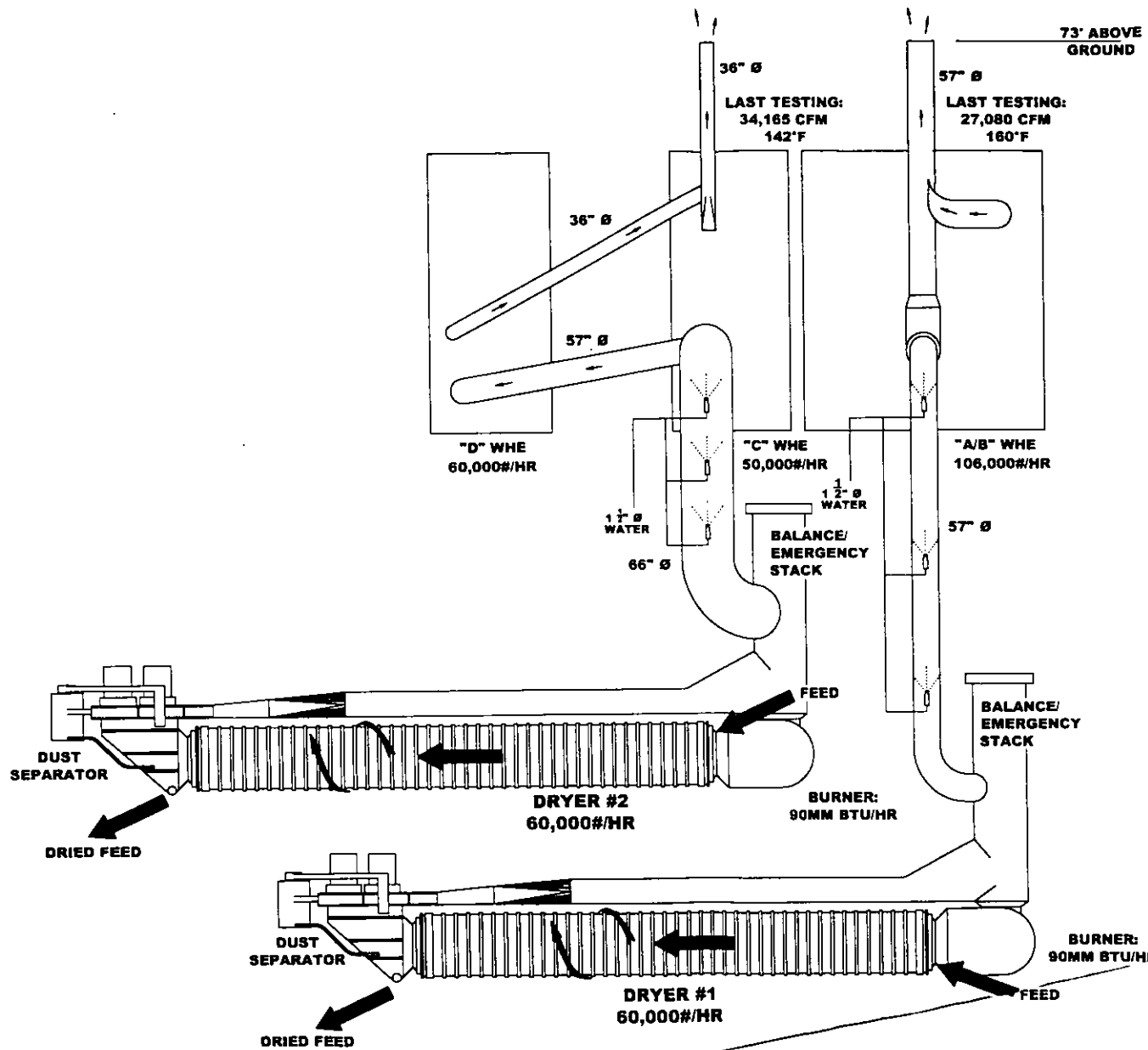
## PROCESS DESCRIPTION

Cutrale – Auburndale has two citrus peel dryers, each rated at 60,000 lbs/hr hour of water evaporation capacity. The permitted rate for each is 55 tons per hour of citrus peel feed at a 90 MMBTU/hr firing rate.

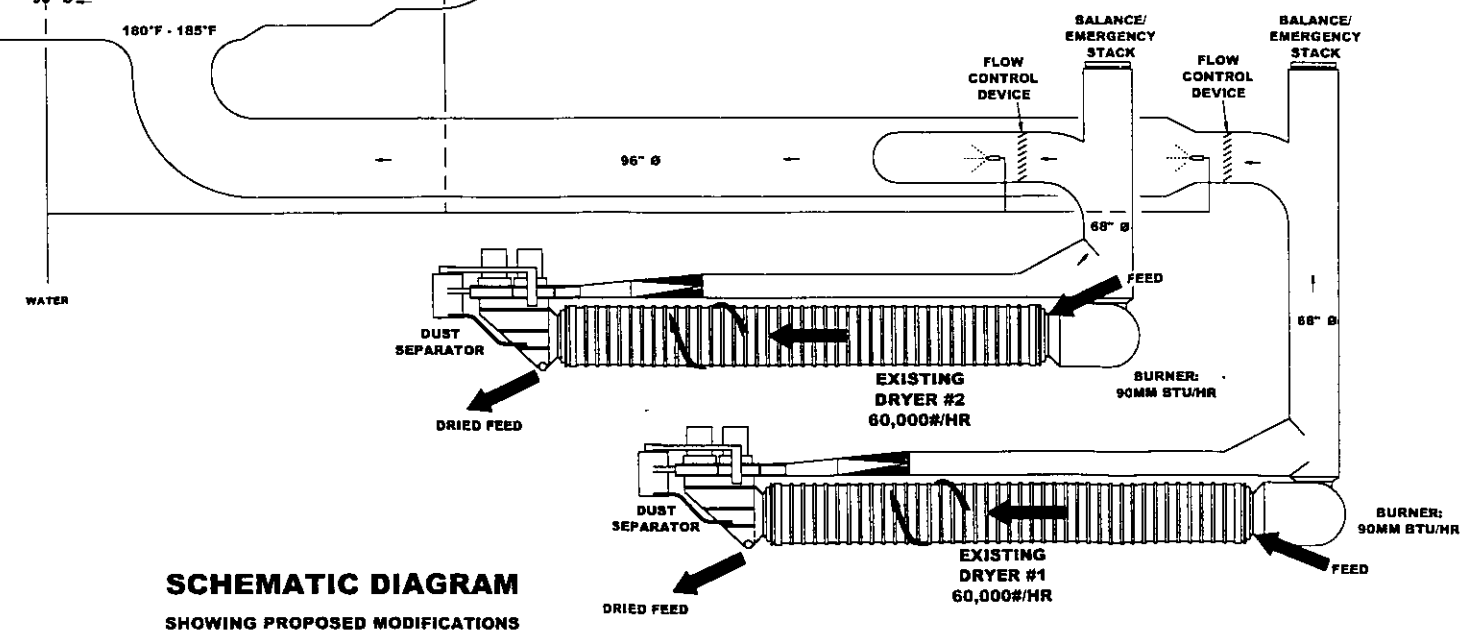
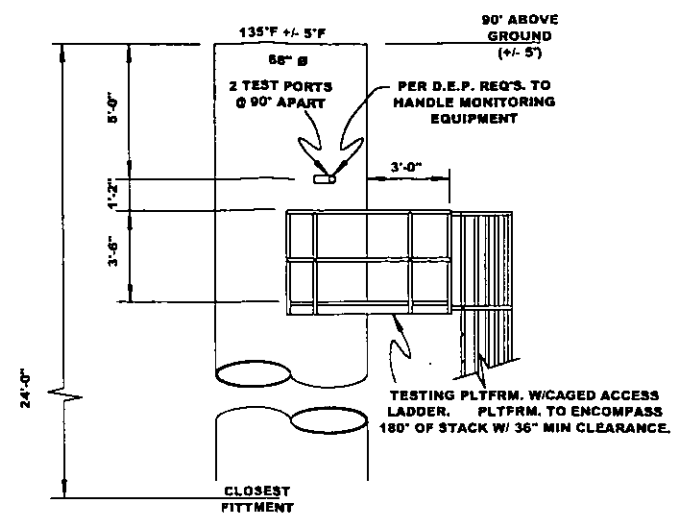
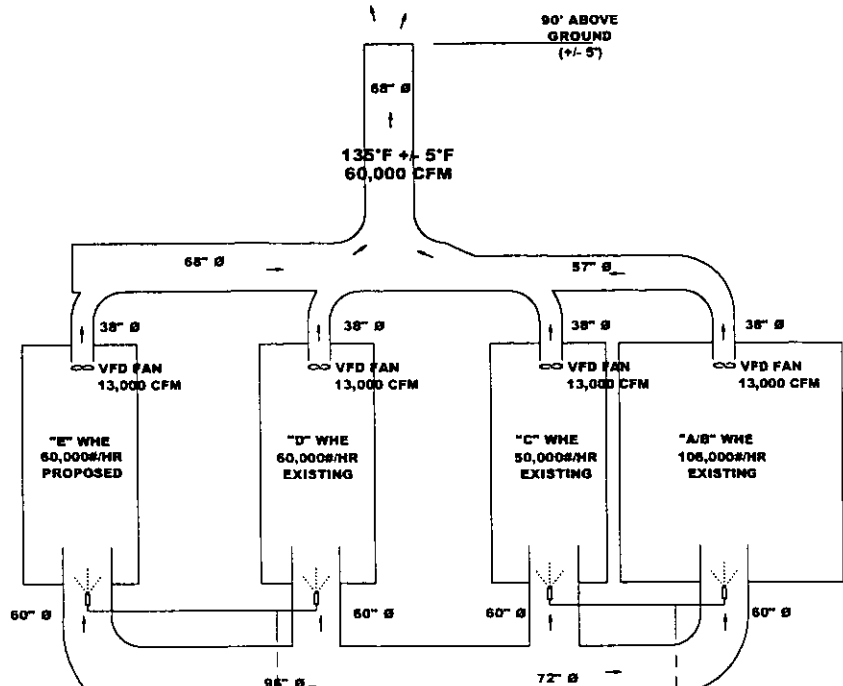
Dryer No. 1 (ID: 001) exhausts through A and B waste heat evaporators into a 57" diameter exhaust stack. A and B evaporators together are rated at 106,000 lbs/hr capacity. Dryer No. 2 (ID: 003) exhausts through C and D waste heat evaporators into a 38" diameter exhaust stack. C evaporator is rated at 50,000 lbs/hr and D is rated at 60,000 lbs/hr (see sketch – EXISTING SCHEMATIC).

Cutrale plans to install a fifth evaporator, E, and to modify the existing exhaust ducts. The exhaust from each dryer's dust separator will tie into a header leading to the waste heat evaporators. Just prior to the evaporators the exhaust gases will enter a manifold which ties into the evaporators which are parallel to each other (see sketch – SCHEMATIC DIAGRAM – Proposed Modification). Each evaporator will have a fan with a variable speed drive that will pull exhaust gas through its respective evaporator. The variable speed drive will allow flexibility in controlled of the exhaust gases. The discharge from the evaporators will tie into a manifold that discharges into a new 68" diameter stack.

Cutrale proposes to consider this arrangement as a single emission source permitted at 110 tons per hour with an emission limit based upon the Process Weight Table, Table 296.320-1. This will require one annual compliance test, at the new rate of 110 TPH.



**EXISTING SCHEMATIC**



**SCHEMATIC DIAGRAM**  
SHOWING PROPOSED MODIFICATIONS

**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."

Aaron P. Corkum  
Signature

5/31/01  
Date

AARON P. CORKUM  
Printed Name

PLANT MANAGER - AUBURNDALE  
Title