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: **Silver Springs Citrus, Inc.**	
2. Site Name: **Silver Springs Citrus**	
3. Facility Identification Number: **06900114**	[ ] Unknown
4. Facility Location: Street Address or Other Locator: **25411 Mare Avenue** City: **Howey-In-The-Hills** County: **Lake** Zip Code: **32748**	
5. Relocatable Facility? [ ] Yes [X] No	6. Existing Permitted Facility? [X] Yes [ ] No

Application Contact

1. Name and Title of Application Contact: **Pradeep Raval, Consultant**
2. Application Contact Mailing Address: Organization/Firm: **Koogler & Associates** Street Address: **4014 NW 13th Street** City: **Gainesville** State: **FL** Zip Code: **32609**
3. Application Contact Telephone Numbers: Telephone: **(352) 377 - 5822** Fax: **(352) 377 - 7158**

Application Processing Information (DEP Use)

1. Date of Receipt of Application:	1-4-01
2. Permit Number:	0690014-004-AC
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)

[X] 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:
_John Rees, President

2. Owner/Authorized Representative or Responsible Official Mailing Address:
Organization/Firm: **Silver Springs Citrus, Inc.**
Street Address: **P.O. Box 155**
City: **Howey-In-The-Hills** State: **FL** Zip Code: **34737**

3. Owner/Authorized Representative or Responsible Official Telephone Numbers:
(352) 324- 2101 Fax: ( ) -

4. Owner/Authorized Representative or Responsible Official Statement:

I, the undersigned, am the owner or authorized representative(check here [ ], if so) or the responsible official (check here [ ], 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.*

John Rees — 1/3/01

Signature Date

* Attach letter of authorization if not currently on file.

Professional Engineer Certification

1. Professional Engineer Name: **John B. Koogler, Ph.D., P.E.**
Registration Number: **12925**

2. Professional Engineer Mailing Address:
Organization/Firm: **Koogler & Associates**
Street Address: **4014 NW 13th Street**
City: **Gainesville** State: **FL** Zip Code: **32609**

3. Professional Engineer Telephone Numbers:
(352) 377 - 5822 Fax: **(352) 377 - 7158**

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.

Signature _____ Date 01/02/01

(seal)

* Attach any exception to certification statement.

Scope of Application

Emissions Unit ID	Description of Emissions Unit	Permit Type	Processing Fee
001	Citrus Peel Dryer with Waste Heat Evaporator	AC1D	0
007	750 HP Hurst Boiler #1	AC1D	0

Application Processing Fee

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

Construction/Modification Information

1. Description of Proposed Project or Alterations:

This application is submitted for allowing the use of diesel fuel as an alternate fuel for the existing peel dryer and the No.1 boiler at the Silver Spring Citrus facility. Under the Title V permit, the dryer is allowed to fire only natural gas while the boiler is allowed to fire natural gas and No. 6 fuel oil.

2. Projected or Actual Date of Commencement of Construction: **January 2001**

3. Projected Date of Completion of Construction: **December 2001**

Application Comment

This application is submitted in the format discussed with FDEP staff. The information presented herein is limited to the requested use of diesel fuel as an additional fuel to the currently permitted fuels for the peel dryer and Boiler No. 1.

II. FACILITY INFORMATION

A. GENERAL FACILITY INFORMATION

Facility Location and Type

1. Facility UTM Coordinates: Zone: **17** East (km): **423.70** North (km): **3176.50**			
2. Facility Latitude/Longitude: Latitude (DD/MM/SS): Longitude (DD/MM/SS):			
3. Governmental Facility Code: **O**	4. Facility Status Code: **A**	5. Facility Major Group SIC Code: **20**	6. Facility SIC(s):
7. Facility Comment (limit to 500 characters): **Citrus Processing Plant**			

Facility Contact

1. Name and Title of Facility Contact: **Jim Tyler**
2. Facility Contact Mailing Address: Organization/Firm: **Silver Springs Citrus, Inc.** Street Address: **P.O. Box 155** City: **Howey-In-The-Hills** State: **FL** Zip Code: **34737**
3. Facility Contact Telephone Numbers: Telephone: **(352) 324 - 2101** Fax: ( ) -

B. FACILITY POLLUTANTS

List of Pollutants Emitted

1. Pollutant Emitted	2. Pollutant Classif.	3. Requested Emissions Cap lb/hour	tons/year	4. Basis for Emissions Cap	5. Pollutant Comment
PM/PM10	**A**				
SO2	**A**				
NOX	**A**				
CO	**A**				
VOC	**A**				

C. FACILITY SUPPLEMENTAL INFORMATION

Supplemental Requirements

1. Area Map Showing Facility Location:
   [ ] Attached, Document ID:_____ [ ] Not Applicable [X] Waiver Requested

2. Facility Plot Plan:
   [ ] Attached, Document ID:_____ [ ] Not Applicable [X] Waiver Requested

3. Process Flow Diagram(s):
   [ ] Attached, Document ID:_____ [ ] Not Applicable [X] Waiver Requested

4. Precautions to Prevent Emissions of Unconfined Particulate Matter:
   [ ] Attached, Document ID:_____ [ ] Not Applicable [X] Waiver Requested

5. Fugitive Emissions Identification:
   [ ] Attached, Document ID:_____ [ ] Not Applicable [X] Waiver Requested

6. Supplemental Information for Construction Permit Application:
   [X] Attached, Document ID: **Att. 1** [ ] Not Applicable

7. Supplemental Requirements Comment:
There is no change in the above source information on file with FDEP that would be affected by this request for alternate fuel use in the peel dryer and Boiler No. 1.

Additional Supplemental Requirements for Title V Air Operation Permit Applications

8. List of Proposed Insignificant Activities:
   [ ] Attached, Document ID:_____ [X] Not Applicable

9. List of Equipment/Activities Regulated under Title VI:
   [ ] Attached, Document ID:_____
   [ ] Equipment/Activities On site but Not Required to be Individually Listed
   [X] Not Applicable

10. Alternative Methods of Operation:
    [ ] Attached, Document ID:_____ [X] Not Applicable

11. Alternative Modes of Operation (Emissions Trading):
    [ ] Attached, Document ID:_____ [X] Not Applicable

12. Identification of Additional Applicable Requirements:
    [ ] Attached, Document ID:_____ [X] Not Applicable

13. Risk Management Plan Verification:
    [ ] Plan previously submitted to Chemical Emergency Preparedness and Prevention Office (CEPPO). Verification of submittal attached (Document ID:_____) or previously submitted to DEP (Date and DEP Office:_____)
    [ ] Plan to be submitted to CEPPO (Date required:_____)
    [X] Not Applicable

14. Compliance Report and Plan:
    [ ] Attached, Document ID:_____ [X] Not Applicable

15. Compliance Certification (Hard-copy Required):
    [ ] Attached, Document ID:_____ [X] Not Applicable

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

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

[X] 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. Regulated or Unregulated Emissions Unit? (Check one)

[X] 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.

3. Description of Emissions Unit Addressed in This Section (limit to 60 characters): **Peel Dryer**

4. Emissions Unit Identification Number: [ ] No ID
ID: **001** [ ] ID Unknown

5. Emissions Unit Status Code: **A**	6. Initial Startup Date: **NA**	7. Emissions Unit Major Group SIC Code: **20**	8. Acid Rain Unit? [ ]

9. Emissions Unit Comment: (Limit to 500 Characters)

Emissions Unit Control Equipment

1. Control Equipment/Method Description (Limit to 200 characters per device or method): **Waste heat evaporator**
2. Control Device or Method Code(s): **003**

Emissions Unit Details

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

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

Emissions Unit Operating Capacity and Schedule

1. Maximum Heat Input Rate:	**66**	mmBtu/hr
2. Maximum Incineration Rate:	lb/hr	tons/day
3. Maximum Process or Throughput Rate: **NA**		
4. Maximum Production Rate:		
5. Requested Maximum Operating Schedule: **NA**		
	hours/day	days/week
	weeks/year	hours/year
6. Operating Capacity/Schedule Comment (limit to 200 characters): **Operating schedule will be restricted by annual peel processing rate of 122,285 tons and annual heat input rate of 376,680 mmBtu/yr.**		

C. EMISSIONS UNIT REGULATIONS
(Regulated Emissions Units Only)

List of Applicable Regulations

See page 8.	

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? **Peel Dryer**	2. Emission Point Type Code: **1**	
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: **60** feet	7. Exit Diameter: **4.8** feet
8. Exit Temperature: **160** °F	9. Actual Volumetric Flow Rate: **17,000**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): **Natural Gas Burning**		
2. Source Classification Code (SCC): **3-02-900-03**	3. SCC Units: **Million Cubic Feet Burned**	
4. Maximum Hourly Rate: **0.066**	5. Maximum Annual Rate: **376.7**	6. Estimated Annual Activity Factor:
7. Maximum % Sulfur:	8. Maximum % Ash:	9. Million Btu per SCC Unit: **1000**
10. Segment Comment (limit to 200 characters): **Natural gas or propane as fuel.**		

Segment Description and Rate: Segment ___2__ of __3___

1. Segment Description (Process/Fuel Type) (limit to 500 characters): **No. 2 Fuel Oil Burning**		
2. Source Classification Code (SCC): **3-02-900-02**	3. SCC Units: **1000 Gallons Burned**	
4. Maximum Hourly Rate: **0.47**	5. Maximum Annual Rate: **2691**	6. Estimated Annual Activity Factor:
7. Maximum % Sulfur:**0.05**	8. Maximum % Ash:	9. Million Btu per SCC Unit: **140**
10. Segment Comment (limit to 200 characters):		

Segment Description and Rate: Segment __3__ of __3__

1. Segment Description (Process/Fuel Type) (limit to 500 characters): **Peel drying**		
2. Source Classification Code (SCC): **3-02-999-98**	3. SCC Units: **Tons processed**	
4. Maximum Hourly Rate: **21.23**	5. Maximum Annual Rate: **122,285**	6. Estimated Annual Activity Factor:
7. Maximum % Sulfur:	8. Maximum % Ash:	9. Million Btu per SCC Unit:
10. 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
VOC	**000**	**000**	**NS**
NOx	**000**	**000**	**NS**
PM/PM10	**008**	**000**	**EL**
CO	**000**	**000**	**NS**
SO2	**000**	**000**	**NS**

Emissions Unit Information Section __1__ of __2__

Pollutant Detail Information Page __1__ of __1__

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

Potential/Fugitive Emissions

1. Pollutant Emitted: **PM/PM10**	2. Total Percent Efficiency of Control:
3. Potential Emissions: lb/hour tons/year	4. Synthetically Limited? [ ]
5. Range of Estimated Fugitive Emissions: [ ] 1 [ ] 2 [ ] 3 _____ to _____ tons/year	
6. Emission Factor: Reference:	7. Emissions Method Code:
8. Calculation of Emissions (limit to 600 characters): **See attachment 1 for calculations.**	
9. Pollutant Potential/Fugitive Emissions Comment (limit to 200 characters):	

Allowable Emissions Allowable Emissions __1__ of __1__

1. Basis for Allowable Emissions Code:	2. Future Effective Date of Allowable Emissions:
3. Requested Allowable Emissions and Units:	4. Equivalent Allowable Emissions: lb/hour tons/year
5. Method of Compliance (limit to 60 characters):	
6. Allowable Emissions Comment (Desc. of Operating Method) (limit to 200 characters): **See Attachment 1 for calculations and discussion regarding allowable emissions.**	

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): **Gen. VE**	

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

Continuous Monitoring System: Continuous Monitor _____ of _____

1. Parameter Code: **NA**	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 [ ] Attached, Document ID:_____ [ ] Not Applicable [X] Waiver Requested
2. Fuel Analysis or Specification [ ] Attached, Document ID:_____ [ ] Not Applicable [X] Waiver Requested
3. Detailed Description of Control Equipment [ ] Attached, Document ID:_____ [ ] Not Applicable [X] Waiver Requested
4. Description of Stack Sampling Facilities [ ] Attached, Document ID:_____ [ ] Not Applicable [X] Waiver Requested
5. Compliance Test Report [ ] Attached, Document ID:_____ [ ] Previously submitted, Date:_____ [X] Not Applicable
6. Procedures for Startup and Shutdown [ ] Attached, Document ID:_____ [X] Not Applicable [ ] Waiver Requested
7. Operation and Maintenance Plan [ ] Attached, Document ID:_____ [X] Not Applicable [ ] Waiver Requested
8. Supplemental Information for Construction Permit Application [X] Attached, Document ID: **Att. 1** [ ] Not Applicable
9. Other Information Required by Rule or Statute [ ] Attached, Document ID:_____ [X] Not Applicable
10. Supplemental Requirements Comment: **There is no change in the above information on file with FDEP that would be affected by this request for alternate fuel use in the peel dryer.**

Additional Supplemental Requirements for Title V Air Operation Permit Applications

11. Alternative Methods of Operation
[ ] Attached, Document ID:_____ [X] Not Applicable

12. Alternative Modes of Operation (Emissions Trading)
[ ] Attached, Document ID:_____ [X] Not Applicable

13. Identification of Additional Applicable Requirements
[ ] Attached, Document ID:_____ [X] Not Applicable

14. Compliance Assurance Monitoring Plan
[ ] Attached, Document ID:_____ [X] Not Applicable

15. Acid Rain Part Application (Hard-copy Required)

[ ] Acid Rain Part - Phase II (Form No. 62-210.900(1)(a))
Attached, Document ID:_____

[ ] Repowering Extension Plan (Form No. 62-210.900(1)(a)1.)
Attached, Document ID:_____

[ ] New Unit Exemption (Form No. 62-210.900(1)(a)2.)
Attached, Document ID:_____

[ ] Retired Unit Exemption (Form No. 62-210.900(1)(a)3.)
Attached, Document ID:_____

[ ] Phase II NOx Compliance Plan (Form No. 62-210.900(1)(a)4.)
Attached, Document ID:_____

[ ] Phase NOx Averaging Plan (Form No. 62-210.900(1)(a)5.)
Attached, Document ID:_____

[X] Not Applicable

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

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

[X] 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. Regulated or Unregulated Emissions Unit? (Check one)

[X] 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.

3. Description of Emissions Unit Addressed in This Section (limit to 60 characters):
Boiler No. 1

4. Emissions Unit Identification Number:
ID: **007**
[ ] No ID
[ ] ID Unknown

5. Emissions Unit Status Code: **A**	6. Initial Startup Date: **NA**	7. Emissions Unit Major Group SIC Code: **20**	8. Acid Rain Unit? [ ]

9. Emissions Unit Comment: (Limit to 500 Characters) **750 HP Hurst Boiler #1**

Emissions Unit Control Equipment

1. Control Equipment/Method Description (Limit to 200 characters per device or method): **NA**
2. Control Device or Method Code(s):

Emissions Unit Details

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

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

Emissions Unit Operating Capacity and Schedule

1. Maximum Heat Input Rate:	**32**	mmBtu/hr
2. Maximum Incineration Rate:	lb/hr	tons/day
3. Maximum Process or Throughput Rate: **NA**		
4. Maximum Production Rate:		
5. Requested Maximum Operating Schedule: **NA**		
	hours/day	days/week
	weeks/year	hours/year
6. Operating Capacity/Schedule Comment (limit to 200 characters): **Operating schedule will be restricted by annual heat input rate of 184,320 mmBtu/yr (current limit).**		

C. EMISSIONS UNIT REGULATIONS
(Regulated Emissions Units Only)

List of Applicable Regulations

See page 8.	

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? **Boiler No. 1**	2. Emission Point Type Code: **1**	
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: **20** feet	7. Exit Diameter: **2.2** feet
8. Exit Temperature: **350** °F	9. Actual Volumetric Flow Rate: **21,700**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 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): **Natural Gas Burning**		
2. Source Classification Code (SCC): **1-02-006-02**	3. SCC Units: **Million Cubic Feet Burned**	
4. Maximum Hourly Rate: **0.032**	5. Maximum Annual Rate: **184.3**	6. Estimated Annual Activity Factor:
7. Maximum % Sulfur:	8. Maximum % Ash:	9. Million Btu per SCC Unit: **1000**
10. Segment Comment (limit to 200 characters): **Natural gas or propane as fuel, currently permitted.**		

Segment Description and Rate: Segment ___2__ of __3___

1. Segment Description (Process/Fuel Type) (limit to 500 characters): **No. 2 Fuel Oil Burning**		
2. Source Classification Code (SCC): **1-02-005-02**	3. SCC Units: **1000 Gallons Burned**	
4. Maximum Hourly Rate: **0.23**	5. Maximum Annual Rate: **1317**	6. Estimated Annual Activity Factor:
7. Maximum % Sulfur:**0.05**	8. Maximum % Ash:	9. Million Btu per SCC Unit: **140**
10. Segment Comment (limit to 200 characters): **New alternate fuel requested**		

Emissions Unit Information Section __2__ of __2__

Segment Description and Rate: Segment __3__ of __3__

1. Segment Description (Process/Fuel Type) (limit to 500 characters): **Residual Oil - No. 6 Oil Burning**		
2. Source Classification Code (SCC): **1-02-004-02**	3. SCC Units: **1000 Gallons Burned**	
4. Maximum Hourly Rate: **0.21**	5. Maximum Annual Rate: **1229**	6. Estimated Annual Activity Factor:
7. Maximum % Sulfur: **1.5**	8. Maximum % Ash: **0.1**	9. Million Btu per SCC Unit: **150**
10. Segment Comment (limit to 200 characters): **Currently permitted fuel.**		

F. EMISSIONS UNIT POLLUTANTS
(All Emissions Units)

1. Pollutant Emitted	2. Primary Control Device Code	3. Secondary Control Device Code	4. Pollutant Regulatory Code
VOC	**000**	**000**	**NS**
NOx	**000**	**000**	**NS**
PM/PM10	**008**	**000**	**EL**
CO	**000**	**000**	**NS**
SO2	**000**	**000**	**EL**

Emissions Unit Information Section ___2___ **of** ___2___

Pollutant Detail Information Page ___1___ **of** ___1___

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

Potential/Fugitive Emissions

1. Pollutant Emitted: **PM/PM10/SO2**	2. Total Percent Efficiency of Control:
3. Potential Emissions: lb/hour tons/year	4. Synthetically Limited? [ ]
5. Range of Estimated Fugitive Emissions: [ ] 1 [ ] 2 [ ] 3 _____ to _____ tons/year	
6. Emission Factor: Reference:	7. Emissions Method Code: **3**
8. Calculation of Emissions (limit to 600 characters): **See Attachment 1 for calculations.**	
9. Pollutant Potential/Fugitive Emissions Comment (limit to 200 characters):	

Allowable Emissions Allowable Emissions ___1___ of ___1___

1. Basis for Allowable Emissions Code:	2. Future Effective Date of Allowable Emissions:
3. Requested Allowable Emissions and Units:	4. Equivalent Allowable Emissions: lb/hour tons/year
5. Method of Compliance (limit to 60 characters):	
6. Allowable Emissions Comment (Desc. of Operating Method) (limit to 200 characters): **BACT for the source indicates 1.5%S fuel oil as the PM and SO2 limit. See emission calculations and discussion on allowable emissions in Attachment 1.**	

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: **VE**	2. Basis for Allowable Opacity: [X] Rule [ ] Other
3. Requested Allowable Opacity: Normal Conditions: **20** % Exceptional Conditions: **40%** Maximum Period of Excess Opacity Allowed: **2** min/hour	
4. Method of Compliance: **EPA Method 9**	
5. Visible Emissions Comment (limit to 200 characters): **VE**	

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

Continuous Monitoring System: Continuous Monitor _____ of _____

1. Parameter Code: **NA**	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 [ ] Attached, Document ID:_____ [ ] Not Applicable [X] Waiver Requested
2. Fuel Analysis or Specification [ ] Attached, Document ID:_____ [ ] Not Applicable [X] Waiver Requested
3. Detailed Description of Control Equipment [ ] Attached, Document ID:_____ [ ] Not Applicable [X] Waiver Requested
4. Description of Stack Sampling Facilities [ ] Attached, Document ID:_____ [ ] Not Applicable [X] Waiver Requested
5. Compliance Test Report [ ] Attached, Document ID:_____ [ ] Previously submitted, Date:_____ [X] Not Applicable
6. Procedures for Startup and Shutdown [ ] Attached, Document ID:_____ [X] Not Applicable [ ] Waiver Requested
7. Operation and Maintenance Plan [ ] Attached, Document ID:_____ [X] Not Applicable [ ] Waiver Requested
8. Supplemental Information for Construction Permit Application [X] Attached, Document ID: **Att. 1** [ ] Not Applicable
9. Other Information Required by Rule or Statute [ ] Attached, Document ID:_____ [X] Not Applicable
10. Supplemental Requirements Comment: **There is no change in the above information on file with FDEP that would be affected by this request for alternate fuel use in the boiler.**

Additional Supplemental Requirements for Title V Air Operation Permit Applications

11. Alternative Methods of Operation
[ ] Attached, Document ID:_____ [X] Not Applicable

12. Alternative Modes of Operation (Emissions Trading)
[ ] Attached, Document ID:_____ [X] Not Applicable

13. Identification of Additional Applicable Requirements
[ ] Attached, Document ID:_____ [X] Not Applicable

14. Compliance Assurance Monitoring Plan
[ ] Attached, Document ID:_____ [X] Not Applicable

15. Acid Rain Part Application (Hard-copy Required)

[ ] Acid Rain Part - Phase II (Form No. 62-210.900(1)(a))
Attached, Document ID:_____

[ ] Repowering Extension Plan (Form No. 62-210.900(1)(a)1.)
Attached, Document ID:_____

[ ] New Unit Exemption (Form No. 62-210.900(1)(a)2.)
Attached, Document ID:_____

[ ] Retired Unit Exemption (Form No. 62-210.900(1)(a)3.)
Attached, Document ID:_____

[ ] Phase II NOx Compliance Plan (Form No. 62-210.900(1)(a)4.)
Attached, Document ID:_____

[ ] Phase NOx Averaging Plan (Form No. 62-210.900(1)(a)5.)
Attached, Document ID:_____

[X] Not Applicable

ATTACHMENT 1 – SUPPLEMENTAL INFORMATION

Silver Springs Citrus, Inc., currently burns natural gas in the peel dryer and Boiler No. 1. Although the boiler is permitted to burn No. 6 fuel oil, this fuel has not been used in many years.

This request is submitted in order to add No. 2 fuel oil, with a maximum sulfur content of 0.05%, by weight, as an alternate fuel for the dryer and Boiler No. 1. The attached emission calculations indicate that the fuel change-related net emission increases, associated with the use of diesel fuel in place of natural gas, will be below the PSD significant thresholds. Furthermore, the change in fuel type will not debottleneck the existing process. It will simply allow the use of an alternate fuel to provide the same heat input. Consequently, PSD review is not triggered by this request.

It is our understanding that the existing fuel systems in both the peel dryer and Boiler No. 1 are capable of burning diesel fuel. Consequently, NSPS, under 40 CFR 60 Subpart Dc, is not triggered. An evaluation is currently underway to identify what adjustments, if any, will be required to the burner systems for combustion optimization. If the evaluation identifies any information that would indicate that the combustion systems are not "capable of accommodating" the diesel fuel, we will immediately submit the information and an update the application.

The BACT requirement for the boiler, associated with burning diesel fuel, under Rule 62-296.406, FAC, would reflect the use of fuel oil with a sulfur content not to exceed 0.05% by weight. This BACT is in line with FDEP's determination for similar sources.

Based on the discussion above, it is requested that FDEP modify only the specific conditions of the permit relating to fuel use, in order to add diesel fuel as an alternate fuel for the peel dryer and Boiler No. 1. Suggested language is as follows (revisions indicated by underlining):

"A2. Method of Operation – (i.e. fuels):
The fuel used by the peel dryer shall be limited to natural gas, propane or No. 2 fuel oil with no more than 0.05% sulfur, by weight. The maximum heat input rate shall not exceed 376,680 MMBtu per twelve consecutive months."

"A9 a. Compliance with the fuel oil sulfur limitation shall be demonstrated by retaining the fuel analysis certification for each shipment received."

"B1. Method of Operation – (i.e. fuels):
The fuels used and the maximum heat input rates shall be as follows:
Boiler No. 1 – Natural gas, propane, or No. 6 fuel oil with a maximum sulfur content of 1.5%, by weight, or No. 2 fuel oil with a maximum sulfur content of 0.05%, by weight – 184,320 MMBtu per twelve consecutive months.

Boiler No. 3 – Natural gas....."

"B4. BACT Determined by DEP:
The amount of particulate and sulfur dioxide emissions from Boiler No. 1 will be limited by the firing of natural gas, propane, No. 6 fuel oil with a sulfur content not to exceed 1.5%, by weight, or No. 1/2/3 fuel oil with a sulfur content not to exceed 0.05%, by weight. The amount..."

A copy of the current Title V permit's specific conditions is attached for the sake of convenience.

EMISSION CALCULATIONS RELATED TO FUEL CHANGE

Actual Natural Gas Usage

YEAR	Dryer mmcf gas	Boiler 1 mmcf gas	TOTAL mmcf gas
1998	140.6	100.2	240.8
1999	97.9	73.0	170.9
2000*	124.2	100.5	224.7
3-yr avg	120.9	91.2	212.1
2-yr avg	111.0	86.8	197.8

NOTE*: Usage through Dec 6th, 2000.

Estimated Actual Emissions at 197.8 mmcf, 2-yr average

Pollutant	AP-42 Factor lb/mmcf	Emission tpy
PM	7.6	0.75
SO2	0.6	0.06
NOX	100.0	9.89
CO	84.0	8.31
VOC	5.5	0.54

Proposed Emissions

Current annual cap for Dryer = 376680 mmBtu/yr

Current annual cap for Boiler = 184320 mmBtu/yr

Quantity of No. 2 fuel oil = 376680 + 184320 mmBtu / 140 mmBtu/thousand gal

= 4007 thousand gal

Estimated Proposed Emissions at 4007 tgal of No. 2 fuel oil use

Net Emissions Increase

Pollutant	AP-42 Factor lb/tgal	Emission tpy	Proposed tpy	Actual tpy	Net tpy	PSD level tpy	Exceed PSD
PM	2	4.01	4.01	0.75	3.26	15	NO
SO2	7.1	14.23	14.23	0.06	14.17	40	NO
NOX	20	40.07	40.07	9.89	30.18	40	NO
CO	5	10.02	10.02	8.31	1.71	100	NO
VOC	0.2	0.40	0.40	0.54	-0.14	40	NO

TITLE V PERMIT CONDITIONS

Department of Environmental Protection

Jeb Bush
Governor

Central District
3319 Maguire Boulevard, Suite 232
Orlando, Florida 32803-3767

David B. Struhs
Secretary

Permittee:
Silver Springs Citrus, Inc.
Post Office Box 155
Howey-in-the-Hills, FL 34737

FINAL Permit No.: 0690014-002-AV
Facility ID No.: 0690014
SIC Nos.: 20, 2033, 2037, 2048
Project: Initial Title V Air Operation Permit

Attn: John Rees, President

This permit is for the operation of the Silver Springs Citrus Facility. This facility is located at 25411 Mare Avenue, Howey-in-the-Hills, Lake County; UTM Coordinates: Zone 17, 423.7 km East and 3176.5 km North; Latitude: 28° 42' 56" North and Longitude: 81° 46' 53" West.

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

Referenced attachments made a part of this permit:
APPENDIX I-1, List of Insignificant Emissions Units and/or Activities
APPENDIX SS-1, STACK SAMPLING FACILITIES(version dated 10/7/96)
APPENDIX TV-3, TITLE V CONDITIONS (version dated 4/30/99)
TABLE 297.310-1, CALIBRATION SCHEDULE(version dated 10/7/96)

Renewal Application Due Date: **July 30, 2003**
Expiration Date: **January 30, 2004**

FLORIDA DEPARTMENT OF
ENVIRONMENTAL PROTECTION

L. T. Kozlov, P.E.
Program Administrator
Air Resources Management

LTK/jte

Section I. Facility Information.

Subsection A. Facility Description.

This facility consists of a citrus peel dryer equipped with a waste heat evaporator manufactured by Gulf Machinery Co. to control particulate emissions; a pellet cooler equipped with a cyclone (California Machinery, Model M21832) to control particulate emissions; a cooling reel equipped with a cyclone (Gulf Machinery, Model CMC25SF) to control particulate emissions; and two process steam boilers as follows:
- Boiler No. 1 - 750 hp Hurst, Series 400
- Boiler No. 3 - 1200 hp Johnston

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

Based on the initial Title V permit application received June 17, 1996, this facility is not a major source of hazardous air pollutants (HAPs).

Subsection B. Summary of Emissions Unit ID No(s). and Brief Description(s).

E.U. ID No.	Brief Description
-001	Citrus Peel Dryer
-005	Pellet Cooler
-006	Cooling Reel
-007	Process Steam Boiler No. 1
-002	Process Steam Boiler No. 3

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

Subsection C. Relevant Documents.

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

These documents are provided to the permittee for information purposes only:
Appendix A-1, Abbreviations, Acronyms, Citations, and Identification Numbers
Appendix H-1, Permit History / ID Number Transfers

These documents are on file with permitting authority:
Initial Title V Permit Application received June 17, 1996.
Additional information requested January 29, 1999.
Additional information received February 10, 1999.
Additional information requested January 22, 1999.
Additional information received May 3, 1999.

Section II. Facility-wide Conditions.

The following conditions apply facility-wide:

1. APPENDIX TV-3, TITLE V CONDITIONS (version 4/30/99), is a part of this permit. APPENDIX TV-3, TITLE V CONDITIONS, is distributed to the permittee only. Other persons requesting copies of these conditions shall be provided one copy when requested or otherwise appropriate.

2. **Not federally enforceable.** General Pollutant Emission Limiting Standards. Objectionable Odor Prohibited. The permittee shall not cause, suffer, allow, or permit the discharge of air pollutants which cause or contribute to an objectionable odor.
[Rule 62-296.320(2), F.A.C.]

3. General Particulate Emission Limiting Standards. General Visible Emissions Standard. Except for emissions units that are subject to a particulate matter or opacity limit set forth or established by rule and reflected by conditions in this permit, no person shall cause, let, permit, suffer or allow to be discharged into the atmosphere the emissions of air pollutants from any activity, the density of which is equal to or greater than that designated as Number 1 on the Ringelmann Chart (20 percent opacity). EPA Method 9 is the method of compliance pursuant to 62-297, F.A.C.
[Rule 62-296.320(4)(b)1., F.A.C.]

4. Prevention of Accidental Releases (Section 112(r) of CAA). If required by 40 CFR 68, the permittee shall submit to the implementing agency:
   a. a risk management plan (RMP) when, and if, such requirement becomes applicable; and
   b. certification forms and/or RMPs according to the promulgated rule schedule.
[40 CFR 68]

5. General Pollutant Emission Limiting Standards. Volatile Organic Compounds (VOC) Emissions or Organic Solvents (OS) Emissions. The permittee shall allow no person to store, pump, handle, process, load, unload or use in any process or installation, volatile organic compounds (VOC) or organic solvents (OS) without applying known and existing vapor emission control devices or systems deemed necessary and ordered by the Department.
[Rule 62-296.320(1)(a), F.A.C.]

6. Insignificant Emissions Units and/or Activities. Appendix I-1, List of Insignificant Emissions Units and/or Activities, is a part of this permit.
[Rule 62-213.440(1), 62-213.440(6), and 62-4.040(1)(b), F.A.C.]

7. **Not Federally Enforceable.** Reasonable precautions shall be taken to prevent and control the generation of unconfined emissions of particulate matter. These provisions are applicable to any source, including but not limited to, vehicular movement, transportation of materials, construction, alteration, demolition or wrecking, or industrial related activities such as loading, unloading, storing and handling. These precautions shall include good work practices such as the use of water to keep roadways and work areas damp to control dust and windborne emissions.
[Rule 62-296.320(4)(c)2., F.A.C.]

8. Excess emissions resulting from startup, shutdown or malfunction of any source shall be permitted providing (1) best operational practices to minimize emissions are adhered to (2) the duration of excess emissions shall be minimized but in no case exceed two hours in any 24 hour period unless specifically authorized by the Department for longer duration.
[Rule 62-210.700(1), F.A.C.]
{Permitting Note: This rule is not applicable to sources subject to PSD, NSPS, NESHAP regulations.}

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

10. A statement that a situation arising from sudden and unforeseeable events beyond the control of the source which causes an exceedance of a technology-based emissions limitation because of unavoidable increases in emissions attributable to the situation and which requires immediate corrective action to restore normal operation, shall be an affirmative defense to an enforcement action in accordance with the provisions and requirements of 40 CFR 70.6(g)(2) and (3).
[Rule 62-213.440(1)(d)5, F.A.C.]

Test Methods and Procedures

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

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

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

14. Testing of emissions shall be conducted with the source operating at permitted capacity. Permitted capacity is defined as 90-100 percent of the maximum operating rate allowed by the permit. If it is impracticable to test at permitted capacity, then sources may be tested at less than capacity; in this case subsequent source operation is limited to 110 percent of the test load until a new test is conducted. Once the unit is so limited, then operation at higher capacities is allowed for no more than 30 consecutive days for the purposes of additional compliance testing to regain the permitted capacity in the permit.
[Rules 62-297.310, and 62-4.070(3), F.A.C.]

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

16. The permittee shall submit to the Air Compliance Section of Central District Office of the Department each calendar year, on or before March 1, a completed DEP Form 62-213.900 (5), an "Annual Operating Report for Air Pollutant Emitting Facility", for the preceding calendar year containing the following information pursuant to Subsection 403.061(13), F.S.:

a. Annual amount of materials and/or fuels utilized;
b. Annual emissions (note calculation basis);
c. Hours of operation;
d. Any changes in the information contained in the permit.

The annual "Statement of Compliance: (ref. Appendix TV-3) shall be submitted with the AOR.
[Rule 62-210.370(3), F.A.C., ref. Appendix TV-3]

17. Test Reports

a. The owner or operator of an emissions unit for which a compliance test is required shall file a report with the Air Compliance Section of Central District Office of the Department, and the applicable local program(s) on the results of each such test.

b. The required test report shall be filed with the Department as soon as practical but no later than 45 days after the last sampling run of each test is completed or with the operating permit application, whichever is earlier.

c. The report shall provide sufficient detail on the emissions unit tested (at a minimum , the "Project", "Facility ID" and "Point ID"), the test procedures used to allow the Department to determine if the test report was properly conducted and the test results properly computed. Testing procedures shall be consistent with the requirements of Rule 62-297.310(7), F.A.C.

d. The test report, other than for an EPA or DEP Method 9 test, as a minimum, shall provide the following information:

1. The normal type and amount of fuels used and materials processed, and the types and amounts of fuels used and material processed during each test run.
2. The normal operating parameters of air pollution control devices installed on each emission unit (e.g., pressure drop, scrubber liquid flow rate, scrubber liquid pressure, total current, etc.), and the operating parameters of air pollution control devices during each test run.

[Rules 62-297.310(8), F.A.C., and 62-4.070(3), F.A.C.]

18. Hours of Operation - Unless otherwise noted, all emission units are allowed to operate continuously, i.e., 8760 hours per year.
[Rule 62-4.070(3), F.A.C.]

19. At a minimum, all records and logs required by this permit shall be updated monthly. (Also reference appendix TV-3, items 12.(14)(b) and (c) and 43.
[Rule 62-4.070(3), F.A.C.]

20. When appropriate, any recording, monitoring, or reporting requirements that are time-specific shall be in accordance with the effective date of the permit, which defines day one.
[Rule 62-213.440, F.A.C.]

21. The permittee shall submit all compliance related notifications and reports required of this permit to:

Department of Environmental Protection
Central District Office
3319 Maguire Blvd., Suite 232
Orlando, Florida 32803
Telephone: 407/894-7555
Fax: 407/897-5963

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

United States Environmental Protection Agency
Region 4
Air, Pesticides & Toxics Management Division
Air & EPCA Enforcement Branch
61 Forsyth Street
Atlanta, Georgia 30303
Telephone: 404/562-9099
Fax: 404/562-9095

23. At least 180 days prior to the expiration date of this operation permit, the permittee shall submit to this office four copies of an air permit application, DEP Form No. 62-210.900(1). [Rule 62-4.090(1), F.A.C., Reference Appendix TV-3, item 5.]

Section III. Emissions Unit(s) and Conditions.

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

E.U. ID No.	Brief Description
-001	Citrus Peel Dryer
-005	Pellet Cooler
-006	Cooling Reel

A citrus peel dryer equipped with a waste heat evaporator manufactured by Gulf Machinery Co. to control particulate emissions; a pellet cooler equipped with a cyclone (California Machinery, Model M21832) to control particulate emissions; a cooling reel equipped with a cyclone (Gulf Machinery, Model CMC25SF) to control particulate emissions.

These emissions units are regulated under Rule 62-296.320, F.A.C., General Pollutant Emission Limiting Standards.

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

Essential Potential to Emit (PTE) Parameters

A1. Capacity.
a) The maximum process input rate (wet peel) for the peel dryer shall not exceed 122,285 tons per twelve consecutive months.
b) The maximum process rate for the pellet cooler shall not exceed 37,668 tons per twelve consecutive months.
c) The maximum process rate for the cooling reel shall not exceed 4,380 tons per twelve consecutive months.

[Rules 62-4.160(2), F.A.C. and 62-210.200, (PTE), F.A.C., operating permit AO35-219964 and construction permit AC35-74812]

A2. Methods of Operation - (i.e., Fuels).
The fuel used by the peel dryer shall be limited to natural gas or propane only. The maximum heat input rate shall not exceed 376,680 MMBTU per twelve consecutive months.
[Rules 62-210.200, (PTE), F.A.C. and 62-4.160(2), F.A.C., and operating permit AO35-219964]

A3. Hours of Operation. The hours of operation for the peel dryer shall not exceed 5,760 hours per twelve consecutive months. The hours of operation for the pellet cooler and cooling reel are not limited.
[Rules 62-4.160(2) and 62-210.200(PTE), F.A.C., and operating permits AO35-219964 and AO35-251769]

Emission Limitations and Standards

A4. The peel dryer is subject to Rule 62-296.320(4)(a) Process Weight Table 296.320-1, F.A.C. For process weight rates up to 30 tons per hour, P, the respective allowable emission rates, E in pounds per hour is given below:

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

The maximum process weight is 21.23 tons/hour which equates to a particulate emission limit of 23.87 lbs. per hour and 68.75 tons per twelve consecutive months.
[Rule 62-296.320(4)(a), F.A.C. and operating permit AO35-219964]

A5. The pellet cooler is subject to Rule 62-296.320(4)(a) Process Weight Table 296.320-1, F.A.C. For process weight rates up to 30 tons per hour, P, the respective allowable emission rates, E in pounds per hour is given below:

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

The maximum process weight is 4.3 tons/hour which equates to a particulate emission limit of 8.86 lbs. per hour and is capped at 11.5 tons per twelve consecutive months, as requested by the applicant.
[Rule 62-296.320(4)(a), F.A.C. and construction permit AC35-74812]

A6. The cooling reel is subject to Rule 62-296.320(4)(a) Process Weight Table 296.320-1, F.A.C. For process weight rates up to 30 tons per hour, P, the respective allowable emission rates, E in pounds per hour is given below:

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

The maximum process weight is 0.5 tons/hour which equates to a particulate emission limit of 2.34 lbs. per hour and is capped at 5.8 tons per twelve consecutive months, as requested by the applicant.
[Rule 62-296.320(4)(a), F.A.C. and construction permit AC35-74812]

A7. Visible emissions from each emission unit shall not be equal to or greater than 20% opacity. [Rule 62-296.320(4)(b)(1), F.A.C.] Pursuant to Alternate Sampling Procedure No. ASP-93-J-01, visible emissions from the citrus cooling reel and citrus pellet cooler shall not exceed 5% opacity as measured by EPA Method 9. The Department retains the right to require an EPA Method 5 particulate mass emission compliance test pursuant to Rule 17-297.340(2), F.A.C., if after investigation it is believed that the use of EPA Method 5 is necessary to determine whether the particulate mass emission standard is being violated.

Test Methods and Procedures

A8. The peel dryer shall be tested for visible emissions for a 30 minute period annually on, or during the 60 day period prior to December 18. Each emission unit shall be tested for particulate matter emissions prior to permit renewal. Testing of emissions must be conducted when the emission unit being tested is in operation and the test observation period shall include the period during which the highest opacity emissions can reasonably be expected to occur. A statement of each units process rate and the fuel type and heat input rate, if applicable, shall be included with all test reports.
[Rules 62-297.310(7)(a), F.A.C. and 62-4.070(3), F.A.C.]

A9. Compliance with the emission limitations shall be determined using EPA Methods 1, 2, 3, 4, 5, and 9 contained in 40 CFR 60, Appendix A and adopted by reference in Rule 62-297, F.A.C. The minimum requirements for stationary point source emission test procedures and reporting shall be in accordance with Rule 62-297, F.A.C. and 40 CFR 60 Appendix A.
[Rule 62-297, F.A.C.]

A10. The maximum permitted process rates during compliance testing are as follows:
a) peel dryer - 21.23 tons/hr. wet peel input
b) pellet cooler - 4.3 tons/hr.
c) cooling reel - 0.5 tons/hr.
[Operating permit AO35-219964 and construction permit AC35-74812]

A11. Compliance Schedule. In accordance with the following compliance schedule the emission units shall be in compliance with the following requirements within the specified time after issuance of this permit. The applicant shall notify the Department in writing, within 15 days after the date specified for each milestone, to include the achievement of compliance, of progress achieved, requirements met, requirements not met, corrective measures adopted and an explanation of any measures not met by the completion date for the milestone or for compliance. All reports shall be accompanied by a certification, signed by a responsible official in accordance with Rule 62-213.420(4), F.A.C.

Referenced Standard	Task Description	Time to Complete Following Permit Issuance
62-213.420(1)(b)2., F.A.C.	Submit updated CO & VOC potential to emit estimates and provide a PSD applicability determination.	90 days
62-213.420(1)(b)2., F.A.C.	Submit a proposed compliance procedure to determine VOC emissions, including parametric monitoring to provide a regular compliance demonstration between emission tests, such as measured oil recovery rates, etc.	90 days

[Rule 62-213.440(2), F.A.C.]

Monitoring of Operations

A12. Determination of Process Variables.
(a) Required Equipment. The owner or operator of an emissions unit for which compliance tests are required shall install, operate, and maintain equipment or instruments necessary to determine process variables, such as process weight input or heat input, when such data are needed in conjunction with emissions data to determine the compliance of the emissions unit with applicable emission limiting standards.
(b) Accuracy of Equipment. Equipment or instruments used to directly or indirectly determine process variables, including devices such as belt scales, weight hoppers, flow meters, and tank scales, shall be calibrated and adjusted to indicate the true value of the parameter being measured with sufficient accuracy to allow the applicable process variable to be determined within 10% of its true value.
[Rule 62-297.310(5), F.A.C.]

Recordkeeping and Reporting Requirements

A13. In order to demonstrate compliance with conditions no. A1, A2, A3, A4, A5, and A6, the permittee shall maintain a log at the facility for a period of at least 5 years from the date the data is recorded. The log at a minimum shall contain the following:

Monthly
a) month
- fuel type

b) consecutive 12 month total of:
- process rates
- hours of operation
- heat input rates

[Rules 62-4.070(3) and 62-213.440(1)(b)2., F.A.C.]

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

E.U. ID No.	Brief Description
-007	Process Steam Boiler No. 1
-002	Process Steam Boiler No. 3

Three process steam boilers as follows:
- Boiler No. 1 - 750 hp Hurst, Series 400
- Boiler No. 3 - 1200 hp Johnston

These emission units are regulated under Rule 62-296.406, F.A.C., Fossil Fuel Steam Generators with less than 250 Million Btu per Hour Heat Input, New and Existing Units.

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

Essential Potential to Emit (PTE) Parameters

B1. Methods of Operation - (i.e., Fuels).
The fuel used and the maximum heat input rates shall be as follows:

- Boiler No. 1 - Natural gas, propane, or no. 6 fuel oil with a maximum sulfur content of 1.5%, by weight - 184,320 MMBTU per twelve consecutive months.
- Boiler No. 3 - Natural gas, propane, or new no. 2 fuel oil only with a maximum sulfur content of 0.05%, by weight - 408,216 MMBTU per twelve consecutive months.

[Rules 62-210.200, (PTE), F.A.C. and 62-4.160(2), F.A.C., operating permits AO35-206547 and construction permit 0690014-001-AC]

B2. Hours of Operation. The hours of operation for boiler number 1 shall not exceed 5,760 hours per twelve consecutive months and for boiler number 3 the hours are not limited.
[Rules 62-4.160(2) and 62-210.200(PTE), F.A.C., operating permits AO35-206547 and construction permit 0690014-001-AC]

Emission Limitations and Standards

B3. Visible emissions from each boiler shall not exceed 20% opacity, except for one two-minute period per hour during which opacity shall not exceed 40%.
[Rule 62-296.406(1), F.A.C.]

B4. BACT Determined by DEP:

The amount of particulate and sulfur dioxide emissions from boiler no. 1 will be limited by the firing of natural gas, propane, or no. 6 fuel oil with a sulfur content not to exceed 1.5%, by weight. The amount of particulate and sulfur dioxide emissions from boiler no. 3 will be limited by the firing of natural gas, propane, or no. 2 fuel oil with a sulfur content not to exceed 0.05%, by weight.
[Rule 62-296.406(2)&(3), F.A.C., operating permit AO35-206547, and construction permit 0690014-001-AC]

Test Methods and Procedures

B5. Each boiler shall be tested for visible emissions for a 60 minute period annually on, or during the 60 day period prior to December 18. Testing of emissions must be conducted when the emission unit being tested is in operation and the test observation period shall include the period during which the highest opacity emissions can reasonably be expected to occur. A statement of each units fuel type and heat input rate shall be included with all test reports.
[Rules 62-297.310(7)(a), F.A.C. and 62-4.070(3), F.A.C.]

B6. Compliance with the visible emission limitation shall be determined using EPA Method 9 contained in 40 CFR 60, Appendix A and adopted by reference in Rule 62-297, F.A.C. The minimum requirements for stationary point source emission test procedures and reporting shall be in accordance with Rule 62-297, F.A.C. and 40 CFR 60 Appendix A.
[Rule 62-297, F.A.C.]

B7. The permittee shall demonstrate compliance with the liquid fuel sulfur limit by the vendor providing a fuel analysis upon each fuel delivery or on analysis of as-received samples taken at the facility.
[Rules 62-213.440 and 62-296.406(3), F.A.C.]

B8. The fuel sulfur content, percent by weight, for liquid fuels shall be evaluated using one of ASTM D2622-94, ASTM D4294-90(95), ASTM 1552-95, ASTM D1266-91, or both ASTM D4057-88 and ASTM D129-95 or latest editions.
[Rules 62-213.440, 62-296.406(3), 62-070(3), and 62-297.440, F.A.C.]

Monitoring of Operations

B9. Determination of Process Variables.

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

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

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

Recordkeeping and Reporting Requirements

B10. In order to demonstrate compliance with conditions no. B1, B2, and B4, the permittee shall maintain a log at the facility for a period of at least 5 years from the date the data is recorded. The log at a minimum shall contain the following:

Monthly

a) month
- fuel type
- fuel oil sulfur content

b) consecutive 12 month
total of:
- heat input rates
- hours of operation

[Rules 62-4.070(3) and 62-213.440(1)(b)2., F.A.C.]