



**FLORIDA DEPARTMENT OF  
ENVIRONMENTAL PROTECTION**

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**PERMIT ADMENDMENT**

**PERMITTEE**

Silver Springs Citrus, Inc.  
P.O. Box 155  
Howey-In-The-Hills, Florida 34737

Authorized Representative:  
Mr. John Rees, President

Air Permit Project No. 0690014-012-AF  
Permit Expires: 03/30/2016  
Site Name: Silver Springs Citrus  
Project Name: Amendment – AOR (Annual  
Operating Report)

This is an air permit amendment, which amends Air Permit No. 0690014-011-AF by adding an AOR administrative requirement (No. 7, Page 6); and an AOR specific condition (A.19., Page 10). The administrative requirements and specific conditions were renumbered as appropriate. Additionally, this amendment updates Administrative Requirements No. 1 and No. 2 (Page 5) with more recent Department contact information; makes a minor change to the paragraph listed below on Page 1 of the permit; and deletes a small portion of the citation format section of the Appendices on Page A-1.

This is the amended final air operation permit, which authorizes an initial FESOP as a result of the reduction of the facility's pollutant emissions to a level lower than major thresholds of Title V permitting. Silver Springs Citrus (Standard Industrial Classification No. 2037) is located in Lake County at 25411 Mare Avenue in Howey-In-The-Hills, Florida. The UTM coordinates are Zone 17, 423.85 km East, and 3176.35 km North.

The entire permit has been provided, including the amendment changes. This amended final permit is organized by the following sections:

Section 1. General Information

Section 2. Administrative Requirements

Section 3. Facility-wide and Emissions Unit Specific Conditions

Section 4. Appendices

Because of the technical nature of the project, the permit contains numerous acronyms and abbreviations, which are defined in Appendix A of Section 4 of this permit.

This air pollution permit is issued under the provisions of: Chapter 403 of the Florida Statutes (F.S.) and Chapters 62-4, 62-204, 62-210, 62-212, 62-296 and 62-297 of the Florida Administrative Code (F.A.C.). The permittee is authorized to conduct the proposed work in accordance with the conditions of this permit.



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## SECTION 1. GENERAL INFORMATION

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### FACILITY AND PROJECT DESCRIPTION

#### Silver Springs Citrus

Silver Springs Citrus is a citrus processing facility that consists of three (3) process steam boilers. These emissions units are regulated under Rule 62-296.406, F.A.C., Fossil Fuel Steam Generators with less than 250 million Btu per hour input, new and existing units.

The existing facility consists of the following emissions units.

Facility ID No. 0690014	
ID No.	Emission Unit Description
002	1200 HP Process Steam Boiler #3
007	750 HP Hurst Boiler #1
009	750 HP Johnson Boiler

#### Project Description

The purpose of this FESOP is to establish federally enforceable limitations on the facility and affected emissions units that will effectively change the status of the facility to non-TV. As a result of the removal of the facility's citrus peel dryer (EU 001), the pellet cooler (EU 005), the cooling reel (EU 006), and the lime storage silo (EU 008), the facility's overall pollutant emissions have been reduced by 76 percent to a level significantly lower than the major thresholds of Title V permitting.

*NOTE: Please reference the Permit No., Facility ID, and Emission Unit ID in all correspondence, test report submittals, applications, etc.*

#### FACILITY REGULATORY CLASSIFICATION

- The facility is not a major source of hazardous air pollutants (HAP).
- The facility has no units subject to the acid rain provisions of the Clean Air Act (CAA).
- The facility is not a Title V major source of air pollution in accordance with Chapter 213, F.A.C.; however, the facility was previously a Title V major source of air pollution.
- The facility is no longer a major stationary source in accordance with Rule 62-212.400, Prevention of Significant Deterioration (PSD), F.A.C. due to the removal of EU Nos. 001, 005, 006, and 008.

*{Permitting Note: Future projects to increase emissions will be closely reviewed by the Permitting Authority to ensure that the facility did not circumvent PSD preconstruction review by purposely phasing the projects.}*

#### PERMIT HISTORY/AFFECTED PERMITS

Amends Permit No. 0690014-010-AV.

## SECTION 2. ADMINISTRATIVE REQUIREMENTS (FINAL)

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1. Permitting Authority: The permitting authority for this project is the Florida Department of Environmental Protection, Central District, Waste & Air Resource Programs. The Central District's mailing address and phone number is:

Florida Department of Environmental Protection  
Central District Office  
Waste and Air Resource Programs  
3319 Maguire Blvd., Ste. 232  
Orlando, FL 32803-3767  
Telephone: 407-897-4100

All documents related to applications for permits shall be submitted to the above address or electronically to the following address: **DEP\_CD@dep.state.fl.us**. In any electronic submittal, clearly identify the Air Permit Project No. 0690014-012-AF or Permit No. 0690014-011-AF.

2. Compliance Authority: All documents related to compliance activities such as reports, tests, and notifications shall be submitted to the Central District Compliance Assurance Program. (Use the above mailing or e-mail address.)
3. Appendices: The following Appendices are attached as part of this permit:
  - a. Appendix A. Citation Formats and Glossary of Common Terms;
  - b. Appendix B. General Conditions;
  - c. Appendix C. Common Conditions; and
  - d. Appendix D. Common Testing Requirements.
4. Applicable Regulations, Forms and Application Procedures: Unless otherwise specified in this permit, the construction and operation of the subject emissions units shall be in accordance with the capacities and specifications stated in the application. The facility is subject to all applicable provisions of: Chapter 403, F.S.; and Chapters 62-4, 62-204, 62-210, 62-212, 62-213, 62-296 and 62-297, F.A.C. Issuance of this permit does not relieve the permittee from compliance with any applicable federal, state, or local permitting or regulations.
5. New or Additional Conditions: For good cause shown and after notice and an administrative hearing, if requested, the Department may require the permittee to conform to new or additional conditions. The Department shall allow the permittee a reasonable time to conform to the new or additional conditions, and on application of the permittee, the Department may grant additional time.  
[Rule 62-4.080, F.A.C.]
6. Modifications: Unless otherwise exempt by rule, the permittee shall not initiate any construction, reconstruction, or modification at the facility and shall not install/modify any pollution control device at the facility without obtaining prior authorization from the Department. Modification is defined as "Any physical change or changes in the method of operations or addition to a facility that would result in an increase in the actual emissions of any air pollutant subject to air regulations, including any not previously emitted, from any emission unit or facility".  
[Rules 62-210.200 - Definition of "Modification" and 62-210.300(1)(a), F.A.C.]

## SECTION 2. ADMINISTRATIVE REQUIREMENTS (FINAL)

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7. Annual Operating Report: On or before **April 1** of each year, the permittee shall submit a completed DEP Form 62-210.900(5), "Annual Operating Report for Air Pollutant Emitting Facility" (AOR) for the preceding calendar year. The report must be submitted electronically. Go to the following website for the latest information about electronic submittal of AORs: <http://www.dep.state.fl.us/air/emission/eaor/default.htm>  
[Rule 62-210.370(3), F.A.C.]
8. Operation Permit Renewal Application: A completed application for renewal of the operation permit shall be submitted to the Permitting Authority no later than 60 days prior to the expiration date of the operation permit. To properly apply for an operation permit, the applicant shall submit the following:
- the appropriate permit application form (*see current version of Rule 62-210.900, F.A.C. (Forms and Instructions)*), and/or *FDEP Division of Air Resource Management website at: <http://www.dep.state.fl.us/air/>*);
  - the appropriate operation permit application fee from Rule 62-4.050(4)(a), F.A.C.;
  - copies of the most recent compliance test report required by Specific Condition No. A.11., if not previously submitted; and
  - copies of the two most recent months of records/logs specified in Facility –Wide Specific Condition Nos. A.22., A.23., and A.24.

[Rules 62-4.030, 62-4.050, 62-4.070(3), 62-4.090, 62-210.300(2), and 62-210.900, F.A.C.]

**SECTION 3. FACILITY-WIDE AND EMISSIONS UNIT SPECIFIC CONDITIONS (FINAL)**

**A. Facility-Wide Specific Conditions**

This section of the permit addresses the following emissions unit.

<b>ID No.</b>	<b>Emission Unit Description</b>
002	1200 HP Process Steam Boiler #3
007	750 HP Hurst Boiler #1
009	750 HP Johnson Boiler

**PERFORMANCE RESTRICTIONS**

A.1. Permitted Capacity: The maximum operation heat input rate is as follows:

<b>Unit No.</b>	<b>MMBtu/hr Heat Input</b>
002	46.6
007	32.0
009	32.0

[Rules 62-210.200(247), Potential To Emit, 62-212.400(12), Source Obligation, and 62-296.406, F.A.C.]

A.2. Authorized Fuel: The boilers shall only fire the following fuels and shall be limited to a maximum sulfur content of 0.10 percent, by weight:

- a. natural gas;
- b. propane;
- c. d-limonene; or
- d. No. 2 distillate fuel oil.

[Rule 62-210.200(247), Potential To Emit, F.A.C.]

A.3. Restricted Operation: The hours of operation are not limited (8760 hours per year).

[Rules 62-4.070(3) and 62-210.200(247), Potential To Emit, F.A.C.]

**EMISSIONS STANDARDS**

A.4. Visible Emissions (VE): Visible emissions shall not exceed 20 percent opacity, except for one six-minute period per hour which opacity shall not exceed 27 percent.

[Rule 62-296.401, F.A.C.; Construction Permit No. 0690014-009-AC]

A.5. Unconfined Emissions of Particulate Matter: No person shall cause, let, permit, suffer or allow the emissions of unconfined particulate matter from any activity, including vehicular movement; transportation of materials; construction, alteration, demolition or wrecking; or industrially related activities such as loading, unloading, storing or handling; without taking reasonable precautions to prevent such emissions. Reasonable precautions include the following:

- a. Paved roadways; application of water to unpaved roads.

## **SECTION 3. FACILITY-WIDE AND EMISSIONS UNIT SPECIFIC CONDITIONS (FINAL)**

### **A. Facility-Wide Specific Conditions**

- b. Landscaping or planting of vegetation.
- c. Use of enclosures and windbreaks, where practical.

[Rule 62-296.320(4)(c), F.A.C.]

A.6. Particulate Matter (PM): Particulate matter emissions shall be controlled by firing only natural gas; propane; d-limonene; or No. 2 distillate fuel oil with a maximum sulfur content of 0.10 percent, by weight.

[Rule 62-296.406(2), F.A.C. ; Construction Permit No. 0690014-009-AC]

A.7. Sulfur Dioxide (SO<sub>2</sub>): Sulfur dioxide emissions shall be controlled by firing only natural gas; propane, d-limonene; or No. 2 distillate fuel oil with a maximum sulfur content of 0.10 percent, by weight.

[Rule 62-296.406(3), F.A.C.; Construction Permit No. 0690014-009-AC]

### **EXCESS EMISSIONS**

A.8. Excess Emissions (Malfunction): Excess emissions resulting from malfunction of any emissions unit shall be permitted providing (1) best operational practices to minimize emissions are adhered to and (2) the duration of excess emissions shall be minimized but in no case exceed two hours in any 24 hour period unless specifically authorized by the Department for longer duration.

[Rule 62-210.700(1), F.A.C.]

A.9. Excess Emissions (Startup/Shutdown): Excess emissions resulting from existing fossil fuel steam generators resulting from startup or shutdown shall be permitted provided that the best operational practices to minimize emissions are adhered to and the duration of excess emissions shall be minimized.

[Rule 62-210.700(2), F.A.C.]

A.10. Excess Emissions (Operation & Maintenance): 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.]

### **TESTING REQUIREMENTS**

A.11. Compliance Tests: During each federal fiscal year (October 1<sup>st</sup> to September 30<sup>th</sup>), the emissions unit shall be tested to demonstrate compliance with the emissions standards for particulates and visible emissions specified in Facility-Wide Specific Condition A.4.

[Rule 62-297.310, F.A.C.]

A.12. Test Requirements: Tests shall be conducted in accordance with the applicable requirements specified in Appendix D (Common Testing Requirements) of this permit.

[Rule 62-297.310, F.A.C.]

**SECTION 3. FACILITY-WIDE AND EMISSIONS UNIT SPECIFIC CONDITIONS (FINAL)**

**A. Facility-Wide Specific Conditions**

A.13. Test Method: Required test shall be performed in accordance with the following reference method:

<b>EPA Method</b>	<b>Description of Method and Comments</b>
9	Visual Determination of the Opacity of Emissions from Stationary Sources

The above method is described in Rule 62-204.800, F.A.C. No other method may be used unless prior written approval is received from the Department.  
[Rules 62-204.800 and 62-297.100, F.A.C.]

A.14. Particulate Matter: Compliance with the particulate matter standard is demonstrated by firing only natural gas; propane; d-limonene; or No. 2 distillate fuel oil with a maximum 0.10 percent sulfur, by weight.

[Rule 62-296.406(2), F.A.C.; Construction Permit No. 0690014-009-AC]

A.15. Sulfur Dioxide: The permittee elected to demonstrate compliance by accepting a liquid fuel sulfur limit for fuel oil that will be verified with a fuel analysis provided by the vendor or the permittee upon each fuel delivery. This protocol is allowed because the emissions unit does not have an operating flue gas desulfurization device.

[Rule 62-296.406(3), F.A.C.; Construction Permit No. 0690014-009-AC]

A.16. Fuel Sulfur Content: The fuel sulfur content, percent by weight, for fuel oil shall be evaluated using either ASTM D2622-92, ASTM D4294, both ASTM D4057-88 and ASTM D129-91, or the latest edition.

[Rule 62-213.440 and 62-297.440, F.A.C.]

A.17. Operating Rate During Testing: Testing of emissions shall be conducted with the emissions unit operation at permitted capacity. Permitted capacity is defined as 90 to 100 percent of the maximum operation rate allowed by the permit. If it is impractical to test at permitted capacity, subsequent emissions unit operation is limited to 110 percent of the test load until a new test is conducted. Once the unit is so limited, operation at higher capacities is allowed for no more than 15 consecutive days for the purpose of additional compliance testing to regain the authority to operate at the permitted capacity.

[Rule 62-297.310(2), F.A.C.; Construction Permit No. 0690014-009-AC]

**NOTIFICATION REQUIREMENTS**

A.18. Test Notification: The permittee shall notify the Compliance Authority, at least 15 days prior to the date on which each formal compliance test is to begin, of the date, time and place of each such test, and the test contact person who will be responsible for coordinating and having such test conducted for the permittee.

[Rules 62-4.070(3) and 62-297.310(7)(a)9., F.A.C.]

## **SECTION 3. FACILITY-WIDE AND EMISSIONS UNIT SPECIFIC CONDITIONS (FINAL)**

### **A. Facility-Wide Specific Conditions**

#### **RECORDS AND REPORTS**

- A.19. Annual Operating Report: On or before **April 1** of each year, the permittee shall submit a completed DEP Form 62-210.900(5), "Annual Operating Report for Air Pollutant Emitting Facility" (AOR) for the preceding calendar year. The report must be submitted electronically. Go to the following website for the latest information about electronic submittal of AORs: <http://www.dep.state.fl.us/air/emission/eaor/default.htm>  
[Rule 62-210.370(3), F.A.C.]
- A.20. Test Reports: The permittee shall prepare and submit reports for all required tests in accordance with the requirements specified in Appendix D (Common Testing Requirements) of this permit, that is, "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."  
[Rule 62-297.310(8), F.A.C.]
- A.21. Excess Emissions Reporting: In case of excess emissions resulting from malfunctions, each owner or operator shall notify the Department in accordance with Rule 62-4.130, F.A.C. A full written report on the malfunctions shall be submitted in a quarterly report, if requested by the Department. [Rules 62-4.070(3) and 62-210.700(6), F.A.C.]
- A.22. Fuel Sulfur Content Records: The permittee shall keep records of all fuel analysis provided by the vendor or the permittee verifying the liquid sulfur content upon each fuel oil delivery. Fuel records shall also be kept relating to General Condition 14.c. in Appendix B (General Conditions). [Rules 62-4.070(3) and 62-296.406(3), F.A.C.]
- A.23. Daily Logs: In order to provide information to document compliance with the fuel heat input rate limitation of facility-Wide Specific Condition No. A.1., the permittee shall monitor and maintain daily record logs of the amount of each fuel used and the hours of operation. The logs shall be kept at the facility for a period of five years and shall be made available to the Department upon request. [Rules 62-4.070(3) and 62-296.406(3), F.A.C.]
- A.24. Monthly Log: In order to document continuing compliance with Specific Condition No. A.1., the following records shall be kept monthly:
- a. Facility name, Facility ID No. (0690014), Emission Unit ID No. and Description (i.e., EU 002, 1200 HP Process Steam Boiler #3);
  - b. Month/Year of record;
  - c. Consecutive 12-month total of the amount of each fuel used; and
  - d. Consecutive 12-month totals of operational hours.
- [Rule 62-4.070(3), F.A.C.]

Note: A consecutive 12-month total is equal to the total for the month in question plus the totals for the eleven months previous to the month in question. A consecutive 12-month total treats each month of the year as the end of a 12-month period. A 12-month total is not a year-

## **SECTION 3. FACILITY-WIDE AND EMISSIONS UNIT SPECIFIC CONDITIONS (FINAL)**

### **A. Facility-Wide Specific Conditions**

to-date total. Facilities that have not been operating for 12 months should retain 12-month totals using whatever number of months of data are available until such a time as a consecutive 12-month total can be maintained each month. **The monthly logs shall be completed by the end of the following month.** All records shall be recorded in a permanent form suitable for inspection by the Department upon request and shall be kept at the facility for a minimum of the most recent five (5) year period. [Rule 62-4.070(3), F.A.C.]

A.25. Best Management Practices for Carbon Monoxide (CO): The facility shall operate its boilers in accordance with the manufacturer's operating manual, or recommended operating practices provided by the manufacturer, equipment vendor, or a professional engineer registered in Florida, as well as with the practices described in the paragraph. The facility shall report to the Department any failure to follow these practices, and shall make such report in writing within 7 days from discovery of such failure. Records and copies of reports shall be maintained on site for a period of five years and shall be made available to the Department upon request. The facility shall:

- a. Train boiler operators to perform the operating practices of this paragraph using the manuals and plans described, and allow only trained employees to operate boilers;
- b. Maintain a written plan with operating procedures for startup, shutdown and malfunction of the equipment, and follow that plan during these events;
- c. Operate and maintain the burner and burner controls to maintain proper air to fuel ratio;
- d. Visually check the flame characteristics once per operating shift;
- e. Make burner and burner control adjustments on an annual basis, or more frequently as required by visual checks;
- f. Perform an inspection of combustion equipment as prescribed by the equipment manufacturer or registered professional engineer, but no less often than annually, and replace parts that are worn or improperly operating;
- g. Keep records of combustion operations that document the operating practices described in this paragraph, such documentation shall include a manual, which can be the manufacturer's operational manual, and daily logs; and
- h. Document maintenance performed on equipment, and all normal processing equipment and operating practices changes.

[Rule 62-4.070(3), F.A.C.]