

**Permittee:**

Fruit Growers Express Company  
2565 West 5<sup>th</sup> Street  
Jacksonville, FL 32254

**Final Permit No.:** 0310316-004-AF**Facility ID No.:** 0310316**SIC No(s).:** 76**Project:** Jacksonville Maintenance Facility

This Federally Enforceable State Operating Permit (FESOP) is for the operation of the Jacksonville Maintenance Facility. This facility is located at 2565 West 5<sup>th</sup> Street, Jacksonville, Duval County, FL 32254; UTM Coordinates: Zone 17, 432.80 km East and 3358.30 km North; Latitude: 30° 21' 23" North and Longitude: 81° 41' 57" West.

This permit is issued under the provisions of Chapter 403, Florida Statutes (FS) and Florida Administrative Code (FAC) Chapters 62-4, 62-204, 62-210, 62-212, 62-213, 62-296, and 62-297. 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 Environmental Resource Management Department, Environmental Quality Division (Department) in accordance with the terms and conditions of this permit.

**Renewal Application Due Date: December 31, 2010****Expiration Date: February 28, 2011**

**Environmental Resource Management Department**  
**Environmental Quality Division**

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**Robert Steven Pace, P.E., Manager**  
**Air Quality Branch**

RSP/RR/rdr

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## **Section I. Facility Information**

### **Subsection A. Facility/Project Description**

This facility consists of abrasive blasting operations, paint spray booth, and a wood shop. Rail cars are processed through abrasive blasting and surface coating operations. The interior and exterior rail car blasting operations are performed in blast booths, while the door panels are processed in booths and in open air. All surface coating operations are performed in a booth.

The facility is a synthetic minor source of air pollution because the operational limit assumed by the owner will limit the potential emissions of regulated air pollutants to less than 100 tons per year and the potential emissions of Hazardous Air Pollutants (HAP) to less than 10 tons per year for a single HAP and less than 25 tons per year for total HAPs pursuant to Rule 62-210.200 (254), FAC, and Rule 2.301, JEPB.

### **Subsection B. Summary of Emission Unit (EU) ID Nos. and Brief Descriptions**

<u><b>EU No.</b></u>	<u><b>EU Description</b></u>	<u><b>Control Device</b></u>
001	Steel Shot Blast Booth	Pangborn Bag Collector Model No. 312 CT-2
002	Paint Spray Booth	Dry filter pads for paint overspray
003	Garnet Grit Blast Booth	BCP Standard Model JPF 272 Dust Collector
004	Open Air Abrasive Blast Operation	
005	Woodworking Shop	Customized bag collector

### **Subsection C. Relevant documents**

Title V Air Operation Permit No. 0310316-003-AV  
Air operating permit application received November 30, 2005

## **Section II. Facility Wide Conditions**

### **Subsection A. General Conditions**

1. The terms, conditions, requirements, limitations, and restrictions set forth herein are "Permit Conditions" and are binding and enforceable pursuant to Sections 403.141, 403.727, or 403.859 through 403.861, Florida Statutes. The permittee is placed on notice that the Department will review this permit periodically and may initiate enforcement action for any violation of these conditions.
2. This permit is valid only for the specific process and operations applied for and indicated in the approved drawings or exhibits. Any unauthorized deviation from the approved drawings, exhibits, specifications, or conditions of this permit may constitute grounds for revocation and enforcement action by the Department.
3. As provided in subsections 403.087(6) and 403.722(5), Florida Statutes, the issuance of this permit does not convey any vested rights or any exclusive privileges. Neither does it authorize any injury to public or private property or any invasion of personal rights, nor any infringement of federal, state, or local laws or regulations. This permit is not a waiver of or approval of any other department permit that may be required for other aspects of the total project which are not addressed in this permit.
4. This permit conveys no title to land or water, does not constitute State recognition or acknowledgement of title, and does not constitute authority for the use of submerged lands unless herein provided and the necessary title or leasehold interests have been obtained from the State. Only the Trustees of the Internal Improvement Trust Fund may express State opinion as to title.

5. This permit does not relieve the permittee from liability for harm or injury to human health or welfare, animal, or plant life, or property caused by the construction or operation of this permitted source, or from penalties therefore, nor does it allow the permittee to cause pollution in contravention of Florida Statutes and Department rules, unless specifically authorized by an order from the Department.
6. The permittee shall properly operate and maintain the facility and systems of treatment and control (and related appurtenances) that are installed and used by the permittee to achieve compliance with the conditions of this permit, as required by Department rules. This provision includes the operation of backup or auxiliary facilities or similar systems when necessary to achieve compliance with the conditions of the permit and when required by Department rules.
7. The permittee, by accepting this permit, specifically agrees to allow authorized Department personnel, upon presentation of credentials or other documents as may be required by law and at reasonable times, access to the premises where the permitted activity is located or conducted to:
  - a. Have access to and copy any records that must be kept under conditions of the permit;
  - b. Inspect the facility, equipment, practices, or operations regulated or required under this permit; and
  - c. Sample or monitor any substances or parameters at any location reasonably necessary to assure compliance with this permit or Department rules.

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

8. If, for any reason, the permittee does not comply with or will be unable to comply with any condition or limitation specified in this permit, the permittee shall immediately provide the Department with the following information:
  - a. A description of and cause of noncompliance; and
  - b. The period of noncompliance, including dates and times; or, if not corrected, the anticipated time the noncompliance is expected to continue, and steps being taken to reduce, eliminate, and prevent recurrence of the noncompliance. The permittee shall be responsible for any and all damages which may result and may be subject to enforcement action by the Department for penalties or revocation of this permit.
9. In accepting this permit, the permittee understands and agrees that all records, notes, monitoring data and other information relating to the construction or operation of this permitted source which are submitted to the Department may be used by the Department as evidence in any enforcement case involving the permitted source arising under the Florida Statutes or Department rules, except where such use is prescribed by Sections 403.111 and 403.73, Florida Statutes. Such evidence shall only be used to the extent it is consistent with the Florida Rules of Civil Procedure and appropriate evidentiary rules.
10. The permittee agrees to comply with changes in Department rules and Florida Statutes after a reasonable time for compliance; provided, however, the permittee does not waive any other rights granted by Florida Statutes or Department rules.
11. This permit is transferable only upon Department approval in accordance with Rules 62-4.120 and 62-730.300, FAC, as applicable. The permittee shall be liable for any noncompliance of the permitted activity until the transfer is approved by the Department.
12. This permit or a copy thereof shall be kept at the work site of the permitted activity.
13. This permit also constitutes:
  - ( ) Determination of Best Available Control Technology (BACT)
  - ( ) Determination of Prevention of Significant Deterioration (PSD)
  - ( ) Certification of Compliance with State Water Quality Standards (Section 401, PL 92-500)
  - ( ) Compliance with New Source Performance Standards

14. The permittee shall comply with the following:

- a. Upon request, the permittee shall furnish all records and plans required under Department rules. During enforcement actions, the retention period for all records will be extended automatically unless otherwise stipulated by the Department.
  - b. The permittee shall hold at the facility or other location designated by this permit records of all monitoring information (including all calibration and maintenance records and all original strip chart recordings for continuous monitoring instrumentation) required by this permit, copies of all reports required by this permit, and records of all data used to complete the application for this permit. These materials shall be retained at least three years from the date of the sample, measurement, report, or application unless otherwise specified by Department rule.
  - c. Records of monitoring information shall include:
    1. The date, exact place, and time of sampling or measurements;
    2. The person responsible for performing the sampling or measurements;
    3. The date(s) analyses were performed;
    4. The person responsible for performing the analyses;
    5. The analytical techniques or methods used;
    6. The results of such analyses.
15. When requested by the Department, the permittee shall within a reasonable time furnish any information required by law which is needed to determine compliance with the permit. If the permittee becomes aware that relevant facts were not submitted or were incorrect in the permit application or in any report to the Department, such facts or information shall be corrected promptly.

[Rule 62-4.160, FAC, and Rule 2.1301, Jacksonville Environmental Protection Board (JEPB)]

**Subsection B. Specific Conditions**

1. Permittee shall notify the Department fifteen (15) days prior to EU testing.  
[Rule 62-297.310(7)(a)(9), FAC, and Rule 2.1101, JEPB]
2. Copies of the test report(s) shall be submitted to the Department within forty-five (45) days of completion of testing.  
[Rule 62-297.310(8)(b), FAC, and Rule 2.1101, JEPB]
3. Testing of emissions shall be conducted with the EU 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 EU may be tested at less than capacity; in this case subsequent EU operation is limited to 110 percent of the test load until a new test is conducted. Once the EU is so limited, then operation at higher capacities is allowed for no more than 15 consecutive days for the purposes of additional compliance testing to regain the permitted capacity in the permit.  
[Rule 62-297.310(2), FAC, and Rule 2.1101, JEPB]
4. Any revision(s) to a permit (and application) shall be submitted to and approved by the Department prior to implementing.  
[Rule 62-4.080(2), FAC, and Rule 2.1301, JEPB]
5. Control equipment shall be provided with a method of access that is safe and readily accessible.  
[Rule 62-297.310(6), FAC, and Rule 2.1101, JEPB]
6. Stack sampling facilities shall comply with the requirements of Rule 62-297.310(6), FAC, and Rule 2.1101, JEPB.

7. 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), FAC, and Rule 2.1001, JEPB]
8. Unconfined particulate matter emissions from yard operations, open stock piling of materials and/or materials handling operations shall be controlled by using the following reasonable precautions.
  - Reduced speed for vehicular traffic.
  - Use of liquid resinous adhesives or other liquid dust suppressants or wetting agents.
  - Use of paving or other asphaltic materials.
  - Removal of particulate matter from paved roads and/or other paved areas by vacuum cleaning or otherwise by wetting prior to sweeping.
  - Covering of trucks, trailers, front end loaders, and other vehicles or containers to prevent spillage of particulate matter during transport.
  - Use of mulch, hydro seeding, grassing, and/or other vegetative ground cover on barren areas to prevent or reduce particulate matter from being windblown.
  - Use of hoods, fans, filters, and similar equipment to contain, capture, and vent particulate matter.
  - Enclosures or covering of conveyor systems.[Rule 62-296.320(4)(c)2., FAC, and Rule 2.1001, JEPB]
9. Maximum facility wide emissions shall not exceed 94.50 tons per year for volatile organic compounds. Maximum facility wide emissions shall not exceed 9.80 tons per year for any single Hazardous Air Pollutant (HAP) and 24.0 tons per year for total HAP in order to maintain emissions below the major source HAP threshold. All tons per year limits are based on a 12-month rolling total.  
[Applicant's request, Rule 62-4.070(3), FAC, and Rule 2.1301, JEPB]
10. Quarterly reports shall be submitted to the Department describing the usage of solvents, coatings, and VOC/HAP contents and emissions. The quarterly reports shall be submitted by the 30th day of the following month after the end of each quarter (January - March, April - June, July - September, and October - December). The final report, which is due by the 30th of January for the quarter of October - December, shall include a synopsis of the preceding year.  
[Rule 62-4.070(3), FAC, and Rule 2.1301, JEPB]
11. An Operation and Maintenance Plan shall be attached to and shall be part of this permit for each baghouse/dust collector. All activities shall be performed as scheduled and recorded in accordance with all Operation and Maintenance Plans. Data shall be made available to the Department upon request. Records shall be maintained on file for a minimum period of five (5) years.  
[Rule 62-296.700(6), FAC, and Rule 2.1001, JEPB]
12. Permittee shall submit an annual operation report to the Department for this (these) emission unit(s) on the form(s) supplied for each calendar year on or before March 1.  
[Rule 62-210.370(3), FAC, and Rule 2.301, JEPB]
13. The permittee shall apply for a renewal operation permit sixty (60) days prior to the expiration date of this permit.  
[Rule 62-4.090, FAC, and Rule 2.1301, JEPB]

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

Environmental Resource Management Department  
Environmental Quality Division  
117 West Duval Street, Suite 225  
Jacksonville, FL 32202  
Telephone: (904) 630-4900  
Fax: (904) 630-3638

### **Section III. Emissions Unit(s) and Conditions**

#### **Emissions Unit No. 001 - Steel Shot Blast Booth**

Emissions Unit Description - Abrasive blasting of metal parts.

Particulate Matter (PM) Control Device: Pangborn Bag Collector Model No. 312 CT-2

#### **Essential Potential to Emit (PTE) Parameters**

1. This emissions unit is allowed to operate continuously, i.e., 8,760 hours per year.  
[Rule 62-210.200(211), FAC, and Rule 2.301, JEPB]
2. The nominal volumetric flow rate from this emissions unit is 42,000 cubic feet per minute.  
[Rule 62-210.200(211), FAC, and Rule 2.301, JEPB]

#### **Emission Limitations and Standards**

3. PM emissions shall not exceed 0.03 grains per dry standard cubic feet, 10.80 pounds per hour, and 47.30 tons per year.  
[Rule 62-296.712(2), FAC, and 2.1001, JEPB]
4. Visible emissions (VE) shall not exceed 5 percent opacity.  
[Rule 62-296.712(2), FAC, and 2.1001, JEPB]

#### **Test Methods and Procedures**

5. Testing for demonstration of compliance, upon request, shall be performed in accordance with EPA Reference Method (RM) 5 (as described in 40 CFR 60, Appendix A) for particulate matter.  
[Rule 62-296.712(3), FAC, and Rule 2.1001, JEPB]
6. Testing for demonstration of compliance shall be performed in accordance with EPA RM 9 (as described in 40 CFR 60, Appendix A) for the visual determination of opacity.  
[Rule 62-296.712(3), FAC, and Rule 2.1001, JEPB]
7. VE shall be tested at intervals of five (5) years from the date of August 1, 2005.  
[Rule 62-4.070(3), FAC, and Rule 2.1301, JEPB]

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### **Emissions Unit No. 002 - Paint Spray Booth**

Emissions Unit Description - Surface coating of rail cars - application of primers, paints, and thinners

PM Control Device: Dry filter pads for paint overspray

#### **Essential PTE Parameters**

1. This emissions unit is allowed to operate continuously, i.e., 8,760 hours per year.  
[Rule 62-210.200(211), FAC, and Rule 2.301, JEPB]

#### **Emissions Limitations and Standards**

2. Paints and primers (as applied) shall not exceed a maximum of 3.50 pounds of volatile organic compounds (VOC) per gallon of coating, excluding water.  
[Rule 62-296.513(2)(a)2., FAC, and Rule 2.1001, JEPB]

#### **Test Methods and Procedures**

3. Testing for demonstration of compliance shall be performed in accordance with EPA Reference Method (RM) 24 (as described in 40 CFR 60, Appendix A) for VOC. Manufacturers data sheets with VOC and HAP contents may be substituted with the approval of the Department.  
[Rule 62-296.513(4), FAC and Rule 2.1001, JEPB]

#### **Recordkeeping and Reporting Requirements**

4. Records shall be maintained on a monthly basis for the following:
  - a. Gallons of coating(s) applied
  - b. VOC content (lbs/gal) of coatings as applied
  - c. HAP content (lbs/gal) of coatings as applied
  - d. Gallons of solvent / thinner usage
  - e. VOC content (lbs/gal) of solvent / thinner
  - f. HAP content (lbs/gal) of solvent / thinner
  - g. Total VOC emissions
  - h. Total HAP emissions
  - i. Individual HAP emissionsRecords shall be maintained for a minimum of five (5) years and made available to the Department upon request.  
[Rule 62-296.500(2), FAC, and Rule 2.1001, JEPB]

### **Emissions Unit No. 003 - Garnet Grit Blast Building**

Emissions Unit Description - Abrasive blasting of fabricated metal parts

PM Control Device: BCP Standard Model JPF 272 Dust Collector

#### **Essential PTE Parameters**

1. This emissions unit is allowed to operate continuously, i.e., 8,760 hours per year.  
[Rule 62-210.200(211), FAC, and Rule 2.301, JEPB]

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2. The nominal volumetric flow rate from this emissions unit is 30,000 cubic feet per minute.  
[Rule 62-210.200(211), FAC, and Rule 2.301, JEPB]

**Emissions Limitations and Standards**

3. PM emissions shall not exceed 0.03 grains per dry standard cubic feet, 7.71 pounds per hour, and 33.77 tons per year.  
[Rule 62-296.712(2), FAC, and 2.1001, JEPB]
4. VE shall not exceed 5 percent opacity.  
[Rule 62-296.712(2), FAC, and 2.1001, JEPB]

**Test Methods and Procedures**

5. Testing for demonstration of compliance, upon request, shall be performed in accordance with EPA RM 5 (as described in 40 CFR 60, Appendix A) for particulate matter.  
[Rule 62-296.712(3), FAC, and Rule 2.1001, JEPB]
6. Testing for demonstration of compliance shall be performed in accordance with EPA RM 9 (as described in 40 CFR 60, Appendix A) for the visual determination of opacity.  
[Rule 62-296.712(3), FAC, and Rule 2.1001, JEPB]
7. VE shall be tested at intervals of five (5) years from the date of August 1, 2005.  
[Rule 62-4.070(3), FAC, and Rule 2.1301, JEPB]

**Emissions Unit No. 004 - Open Air Abrasive Blast Operation**

Emissions Unit Description - Abrasive blasting of metal parts.

**Essential PTE Parameters**

1. The maximum process rate shall not exceed 1,000 pounds per hour, and 260 tons per year of abrasive blast media.  
[Rule 62-210.200(211), FAC, and Rule 2.301, JEPB]
2. This emissions unit is allowed to operate a maximum of 520 hours per year.  
[Rule 62-210.200(211), FAC, and Rule 2.301, JEPB]

**Emissions Limitations and Standards**

3. Unconfined PM emissions shall be controlled by using reasonable precautions.  
[Rule 62-296.320(4)(c), FAC, and Rule 2.1001, JEPB]
4. Reasonable precautions may include, but shall not be limited to the following:
  - Reduced speed for vehicular traffic
  - Use of liquid resinous adhesives or other liquid dust suppressants or wetting agents
  - Use of paving or other asphaltic materials
  - Removal of particulate matter from paved roads and/or other paved areas by vacuum cleaning or otherwise by wetting prior to sweeping
  - Covering of trucks, trailers, front end loaders, and other vehicles or containers to prevent spillage of particulate matter during transport



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- Use of mulch, hydroseeding, grassing, and/or other vegetative ground cover on barren areas to prevent or reduce particulate matter from being windblown
- Use of hoods, fans, filters, and similar equipment to contain, capture, and vent particulate matter
- Enclosure or covering of conveyor systems

[Rule 62-296.320(4)(c)2., FAC, and Rule 2.1001, JEPB]

### **Recordkeeping and Reporting Requirements**

5. Records shall be maintained on a monthly basis for the following:

- a. Abrasive blast media usage
- b. Hours of operation for open air abrasive blasting

Records shall be maintained for a minimum of five (5) years and made available to the Department upon request.

[Rule 62-213.440, FAC and Rule 2.501, JEPB]

### **Emissions Unit No. 005 - Woodworking Shop**

Emissions Unit Description - Woodworking equipment including a drill press, planer and saws

PM Control Device: Customized bag collector

### **Essential PTE Parameters**

1. This emissions unit is allowed to operate continuously, i.e., 8,760 hours per year.  
[Rule 62-210.200(211), FAC, and Rule 2.301, JEPB]
2. The nominal volumetric flow rate from this emissions unit is 3,000 cubic feet per minute.  
[Rule 62-210.200(211), FAC, and Rule 2.301, JEPB]

### **Emissions Limitations and Standards**

3. PM emissions shall not exceed 0.03 grains per dry standard cubic feet, 0.77 pounds per hour, and 3.37 tons per year.  
[Rule 62-296.712(2), FAC, and 2.1001, JEPB]
4. VE shall not exceed 5 percent opacity.  
[Rule 62-296.712(2), FAC, and 2.1001, JEPB]

### **Test Methods and Procedures**

5. Testing for demonstration of compliance, upon request, shall be performed in accordance with EPA RM 5 (as described in 40 CFR 60, Appendix A) for particulate matter.  
[Rule 62-296.712(3), FAC, and Rule 2.1001, JEPB]
6. Testing for demonstration of compliance shall be performed in accordance with EPA RM 9 (as described in 40 CFR 60, Appendix A) for the visual determination of opacity.  
[Rule 62-296.712(3), FAC, and Rule 2.1001, JEPB]
7. VE shall be tested at intervals of five (5) years from the date of August 1, 2005.  
[Rule 62-4.070(3), FAC, and Rule 2.1301, JEPB]

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**FILING AND ACKNOWLEDGMENT**

**FILED**, on this date, pursuant to S.120.52(7), Florida Statutes, with the designated Department Clerk, receipt of which is hereby acknowledged.

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Clerk

\_\_\_\_\_  
Date