

**Kraft Foods Global
Maxwell House Coffee
Facility ID No.: 0310004
Duval County**

Title V Air Operation Permit Renewal

**FINAL Permit Project No.: 0310004-016-AV
Renewal of Title V Air Operation Permit No.: 0310004-014-AV**

PERMITTING & COMPLIANCE AUTHORITY:
ENVIRONMENTAL AND COMPLIANCE DEPARTMENT
ENVIRONMENTAL QUALITY DIVISION
117 WEST DUVAL STREET, SUITE 225
JACKSONVILLE, FL 32202
TELEPHONE: (904) 630-4900
FAX: (904) 630-3638

Title V Air Operation Permit Renewal

FINAL Permit No.: 0310004-016-AV

Renewal of Title V Air Operation Permit No.: 0310004-014-AV

Table of Contents

<u>Section</u>	<u>Page Number</u>
Placard Page	1
I. Facility Information	2 - 3
A. Facility Description.	
B. Summary of Emissions Unit ID No(s). and Brief Description(s).	
C. Relevant Documents.	
II. Facility-wide Conditions	3 - 6
III. Emissions Unit(s) and Conditions	6 - 43
Emissions Unit – 501	GFM Boiler
Emissions Unit – 502	GFIC Boiler
Emissions Unit – 503	Thermal Roasters
Emissions Unit – 504	Probat Roasters
Emissions Unit – 505	Continuous Roaster
Emissions Unit – 506	Batch Roasters
Emissions Unit – 509	Hot Chaff System
Emissions Unit – 510	(22) Bunkers
Emissions Unit – 511	GFM Bunkers
Emissions Unit – 512	Thermal Green Bean Conveying System
Emissions Unit – 513	Thermal Cooling Cars
Emissions Unit – 514	Thermal Destoners
Emissions Unit – 515	Thermal Scale
Emissions Unit – 516	Probat Green Bean Feed System
Emissions Unit – 517	Probat Destoner Cooling Cars
Emissions Unit – 518	Probat Cold Chaff System
Emissions Unit – 519	Probat Scales
Emissions Unit – 520	Continuous Green Bean Feed System
Emissions Unit – 521	Continuous Cooling System
Emissions Unit – 522	Stored Product Handling System
Emissions Unit – 523	Continuous Destoner
Emissions Unit – 524	Batch Green Bean Storage Silos
Emissions Unit – 525	Batch Roasters Green Bean Feed System
Emissions Unit – 526	Batch Cooling Cars
Emissions Unit – 527	Batch Destoners
Emissions Unit – 528	BAR Systems Nos. 1, 2 & 3

Title V Air Operation Permit Renewal

FINAL Permit No.: 0310004-016-AV

Renewal of Title V Air Operation Permit No.: 0310004-014-AV

Table of Contents Con't.

Emissions Unit – 529	Coffee Bean Reclaim System
Emissions Unit – 530	SIG-VAC Packaging Machines
Emissions Unit – 531	SIG-VAC Feed System
Emissions Unit – 532	GFIC Sugar Unloading
Emissions Unit – 533	GFIC Minors Dump Station Receiving
Emissions Unit – 534	GFIC Majors Dump Station Receiving
Emissions Unit – 535	GFIC Finished Mix
Emissions Unit – 536	GFM Surge Bins
Emissions Unit – 537	GFM Bean Separator
Emissions Unit – 538	GFM Process
Emissions Unit – 539	Green Coffee Silos
Emissions Unit – 540	Green Coffee Silo Airveying
Emissions Unit – 541	Whole Roasted Bean Storage
Emissions Unit – 543	Rework Station
Emissions Unit – 550	GFM Drying Zone 1
Emissions Unit – 551	GFM Drying Zone 2
Emissions Unit – 552	GFM Drying Zone 3
Emissions Unit – 553	Roasted Whole Bean Handling
Emissions Unit – 554	Green Bean Storage

Appendix A-1, Abbreviations, Acronyms, Citations, and Identification Numbers

Appendix H-1, Permit History

Appendix I-1, List of Insignificant Emissions Units and/or Activities

Appendix LR-1, Local Rule Index

Appendix SS-1, Stack Sampling Facilities

Appendix TV-6, Title V Conditions version dated 06/23/06

Table 1-1, Summary of Air Pollutant Standards and Terms

Table 2-1, Summary of Compliance Requirements

Best Available Control Technology Determination for (2) Boilers

Permittee:

Kraft Foods Global
735 East Bay Street
Jacksonville, FL 32202

FINAL Permit No.: 0310004-016-AV**Facility ID No.:** 0310004**SIC Nos.:** 20**Project:** Title V Air Operation Permit Renewal

The purpose of this permit is to renew the Title V Air Operation Permit and incorporate a construction permit, No. 0310004-015-AC, issued on April 19, 2007. The existing facility is located at 735 East Bay Street, Jacksonville, Duval County, FL; UTM Coordinates: Zone 17, 437.5 km East and 3354.7 km North; Latitude: 30° 19' 27" North and Longitude: 81° 39' 00" West.

This Title V Air Operation Permit Renewal is issued under the provisions of Chapter 403, Florida Statutes (FS), and Florida Administrative Code (FAC) Chapters 62-4, 62-210 and 62-213. The above named permittee is hereby authorized to operate the facility shown on the application and approved drawing(s), plans, and other documents, attached hereto or on file with the Environmental and Compliance Department, Environmental Quality Division (Department), 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
Appendix TV-6, Title V Conditions version dated 06/23/06
Best Available Control Technology Determination for (2) Boilers

Effective Date: February 7, 2008**Renewal Application Due Date: August 1, 2012****Expiration Date: January 31, 2013**

Environmental and Compliance Department
Environmental Quality Division

Vincent A. Seibold, P.E.,
Division Chief

VAS/RR/rdr

S:/PermitV/ TVOP/F/0310004-016f-AV

Section I. Facility Information.

Subsection A. Facility Description.

This facility produces roasted coffee with batch and continuous roasters. The facility consists essentially of material handling, cleaning, roasting, cooling, grinding, and packaging operations.

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

Based on the Title V Air Operation Permit Renewal application received August 28, 2007, 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).

<u>E.U. ID No.</u>	<u>Brief Description</u>
501	GFM Boiler
502	GFIC Boiler
503	Thermal Roasters
504	Probat Roasters
505	Continuous Roaster
506	Batch Roasters
509	Hot Chaff System
510	(22) Bunkers
511	GFM Bunkers
512	Thermal Green Bean Conveying System
513	Thermal Cooling Cars
514	Thermal Destoners
515	Thermal Scale
516	Probat Green Bean Feed System
517	Probat Destoner Cooling Cars
518	Probat Cold Chaff System
519	Probat Scales
520	Continuous Green Bean Feed System
521	Continuous Cooling System
522	Stored Product Handling System
523	Continuous Destoner
524	Batch Green Bean Storage Silos
525	Batch Roasters Green Bean Feed System
526	Batch Cooling Cars
527	Batch Destoners
528	BAR Systems Nos. 1, 2 & 3
529	Coffee Bean Reclaim System
530	SIG-VAC Packaging Machines
531	SIG-VAC Feed System
532	GFIC Sugar Unloading
533	GFIC Minors Dump Station Receiving

E.U.

<u>ID No.</u>	<u>Brief Description</u>
534	GFIC Majors Dump Station Receiving
535	GFIC Finished Mix
536	GFM Surge Bins
537	GFM Bean Separator
538	GFM Process
539	Green Coffee Silos
540	Green Coffee Silo Airveying
541	Whole Roasted Bean Storage
543	Rework Station
550	GFM Drying Zone 1
551	GFM Drying Zone 2
552	GFM Drying Zone 3
553	Roasted Whole Bean Handling
554	Green Bean Storage

Note: 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:

Table 1-1, Summary of Air Pollutant Standards and Terms

Table 2-1, Summary of Compliance Requirements

Appendix A-1, Abbreviations, Acronyms, Citations, and Identification Numbers

Appendix H-1, Permit History

Appendix LR-1, Local Rule Index

These documents are on file with permitting authority:

Title V Air Operation Permit Revision issued July 13, 2007

Application for a Title V Air Operation Permit Renewal received August 28, 2007

Section II. Facility-wide Conditions.

The following conditions apply facility-wide:

1. Appendix TV-6, Title V Conditions, is a part of this permit.
{Permitting note: Appendix TV-6, 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. 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) in accordance with Rule 62-296.320(4)(b)1., FAC, and Rule 2.1001, JEPB. EPA Method 9 is the method of compliance pursuant to Chapter 62-297, FAC, and Rule 2.1101, JEPB. Testing shall be required upon request of the Department.

3. Prevention of Accidental Releases (Section 112(r) of CAA).
 - a. The permittee shall submit its Risk Management Plan (RMP) to the Chemical Emergency Preparedness and Prevention Office (CEPPO) RMP Reporting Center when, and if, such requirement becomes applicable; and
 - b. The permittee shall submit to the permitting authority Title V certification forms or a compliance schedule in accordance with Rule 62-213.440(2), FAC.[40 CFR 68.]
4. Insignificant Emissions Units and/or Activities. Appendix I-1, List of Insignificant Emissions Units and/or Activities, is part of this permit.
[Rules 62-213.440(1), 62-213.430(6), and 62-4.040(1)(b), FAC, and Rules 2.501 and 2.1301, JEPB]
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 installation, VOC or 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), FAC, and Rule 2.1001, JEPB]
6. 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]
7. Permittee shall notify the Department fifteen (15) days prior to Emissions Unit testing.
[Rule 62-297.310(7)(a)9., FAC, and Rule 2.1101, JEPB]
8. 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 62-4.070(3), FAC, and Rule 2.1301, JEPB]
9. 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]
10. Testing of emissions shall be conducted with the Emissions Unit 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 Emissions Units may be tested at less capacity; in this case subsequent Emissions Unit operation is limited to 110 percent of the test load until a new test is conducted. Once the Emissions Unit 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]

11. Copies of the test report(s) shall be filed with the Department within forty-five (45) days of completion of testing.
[Rule 62-297.310(8)(b), FAC, and Rule 2.1101, JEPB]
12. 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, FAC and Rule 2.501, JEPB]
13. Statement of Compliance. The annual statement of compliance pursuant to Rule 62-213.440(3)(a)2., FAC, shall be submitted to the Department and EPA within 60 (sixty) days after the end of the calendar year using DEP Form No. 62-213.900(7), FAC. {Permitting Note: This condition implements the requirements of Rules 62-213.440(3)(a)2. & 3., F.A.C. (see Condition 51. of Appendix TV-6, Title V Conditions)}
[Rules 62-213.440(3) and 62-213.900, FAC, and Rule 2.501, JEPB]
14. Excess emissions resulting from startup, shutdown, or malfunction of any emission 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. 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. In the case of excess emissions resulting from malfunctions, each owner or operator shall notify the Permitting Authority in accordance with Rule 62-4.130, FAC and Rule 2.1301, JEPB. A full written report on the malfunctions shall be submitted to the Permitting Authority in a quarterly report, if requested by the Permitting Authority.
[Rule 62-210.700, FAC, and Rule 2.201, JEPB]
15. The permittee shall submit all compliance related notifications and reports required of this permit to:

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

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

United States Environmental Protection Agency
Region 4
Air, Pesticides & Toxics Management Division
Air & EPCRA Enforcement Branch, Air Enforcement Section
61 Forsyth Street
Atlanta, GA 30303-8960
Telephone: (404) 562-9155
Fax: (404) 562-9163

The following Facility-wide conditions are not federally enforceable

17. 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]

18. The facility shall be subject to the City of Jacksonville Ordinance Code, Title X, Chapter 360 [Environmental Regulation], Chapter 362 [Air and Water Pollution], Chapter 376 [Odor Control], and JEPB Rule 1 [Final Rules with Respect to Organization, Procedure, and Practice].
19. The facility shall be subject to JEPB Rule 2, Parts I through VII, and Parts IX through XIII.

Section III. Emissions Unit(s) and Conditions.

Emissions Unit No. 501 – GFM Boiler

Emissions Unit Description – The operation of a Cleaver Brooks Model CD600 natural gas fired boiler. The boiler shall be used to generate steam and hot water for the green flavor modification process.

Essential Potential to Emit (PTE) Parameters

1. The maximum heat input shall be limited to 25.1×10^6 Btu per hour firing natural gas.
[Rule 62-210.200, FAC, and Rule 2.301, JEPB]
2. This emissions unit is allowed to operate continuously, i.e., 8,760 hours per year.
[Rule 62-210.200, FAC, and Rule 2.301, JEPB]

Emission Limitations and Standards

3. Sulfur dioxide (SO₂) and particulate matter (PM) emissions shall be controlled by use of natural gas in accordance with the Best Available Control Technology (BACT) Determination.
[Rules 62-296.406(2) and (3), FAC, and Rule 2.1001, JEPB]
4. Visible emissions (VE) shall be limited to 20 percent opacity except that VE not exceeding 40 percent opacity are allowed for up to 2 minutes in any one hour period.
[Rule 62-296.406(1), FAC, and 2.1001, JEPB]
5. 40 CFR 60, Subpart Dc, Standards of Performance for Small Industrial-Commercial-Institutional Steam Generating Units, and 40 CFR 60, Subpart A, General Provisions, Reporting Requirements, Notification Requirements, and Standards of Performance shall apply to the source described herein.
[Rule 62-204.800, FAC, and Rule 2.501, JEPB]

Test Methods and Procedures

6. Testing for demonstration of compliance shall be performed in accordance with EPA Reference Method (RM) 9 (as described in 40 CFR 60, Appendix A) for the visual determination of opacity.
[Rule 62-297.310(4)(a)2., FAC, and Rule 2.1101, JEPB]
7. VE shall be tested three (3) years from the date of May 1, 2007.
[Rule 62-4.070(3), FAC, and Rule 2.1301, JEPB]

Recordkeeping and Reporting Requirements

8. Reports and recordkeeping shall be in accordance with the provisions of 40 CFR 60.48c(a) and (g).
[Rule 62-204.800, FAC, and Rule 2.501, JEPB]

9. Records shall be maintained for a minimum of five (5) years and made available to the Department upon request.
[Rule 62-213.440(1)(b), FAC, and Rule 2.501, JEPB]

Emissions Unit No. 502 – GFIC Boiler

Emissions Unit Description – The operation of a Cleaver Brooks Model CD700-80 natural gas fired boiler. The boiler shall be used to generate hot water for the GFIC system.

Essential Potential to Emit (PTE) Parameters

1. The maximum heat input shall be limited to 3.35×10^6 Btu per hour firing natural gas.
[Rule 62-210.200, FAC, and Rule 2.301, JEPB]
2. This emissions unit is allowed to operate continuously, i.e., 8,760 hours per year.
[Rule 62-210.200, FAC, and Rule 2.301, JEPB]

Emission Limitations and Standards

3. SO₂ and PM emissions shall be controlled by use of natural gas in accordance with the BACT Determination.
[Rules 62-296.406(2) and (3), FAC, and Rule 2.1001, JEPB]
4. VE shall be limited to 20 percent opacity except that VE not exceeding 40 percent opacity are allowed for up to 2 minutes in any one hour period.
[Rule 62-296.406(1), FAC, and 2.1001, JEPB]

Test Methods and Procedures

5. 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 62-297.310(4)(a)2., FAC, and Rule 2.1101, JEPB]
6. VE shall be tested three (3) years from the date of May 1, 2007.
[Rule 62-4.070(3), FAC, and Rule 2.1301, JEPB]

Emissions Unit No. 503 – Thermal Roasters

Emissions Unit Description - (2) batch coffee bean roasters.

Control Device - (2) – cyclone in series with afterburner.

Essential Potential to Emit (PTE) Parameters

1. The maximum process rate for each roaster shall not exceed 3,100 pounds of coffee beans per hour.
[Rule 62-210.200, FAC, and Rule 2.301, JEPB]
2. The nominal volumetric flow rate for each roaster is 1,828 cubic feet per minute.
[Rule 62-210.200, FAC, and Rule 2.301, JEPB]
3. This emissions unit is allowed to operate continuously, i.e., 8,760 hours per year.
[Rule 62-210.200, FAC, and Rule 2.301, JEPB]

Emission Limitations and Standards

4. PM emissions for each roaster shall not exceed 0.029 grain per dry standard cubic foot, 0.46 pound per hour, and 2.00 tons per year.
[Applicant's Request, Rule 62-296.712(2), FAC, and Rule 2.1001, JEPB]
5. VE for each roaster shall not exceed 5 percent opacity.
[Rule 62-296.712(2), FAC, and Rule 2.1001, JEPB]

Test Methods and Procedures

6. Testing for demonstration of compliance shall be performed in accordance with EPA RM 5 (as described in 40 CFR 60, Appendix A) for particulate matter.
[Rule 62-297.310(4), FAC, and Rule 2.1101, JEPB]
7. 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 62-297.310(4)(a)2., FAC, and Rule 2.1101, JEPB]
8. PM and VE shall be tested annually (alternating units) from the date of May 1, 2007.
[Rule 62-4.070(3), FAC, and Rule 2.1301, JEPB]

Monitoring of Operations

9. Each afterburner shall maintain a minimum operating temperature of 800 °F.
[Rule 62-296.700(4)(a)6., FAC, and Rule 2.1001, JEPB]
10. The owner or operator shall install, calibrate, maintain, and operate a temperature measurement device for each afterburner.
[Rule 62-296.700(4)(a)6., FAC, and Rule 2.1001, JEPB]

Recordkeeping and Reporting Requirements

11. A record shall be maintained of all periods that the afterburners are shutdown during the operation of the coffee roasters. These records shall contain sufficient information to calculate uncontrolled emissions during the shutdown and shall be a part of the monthly recordkeeping requirements.
[Rule 62-210.700(6), FAC, and Rule 2.301, JEPB]

Emissions Unit No. 504 – Probat Roasters

Emissions Unit Description - (10) batch coffee bean roasters.

Control Device - (10) – cyclone in series with afterburner.

Essential Potential to Emit (PTE) Parameters

1. The maximum process rate for each roaster shall not exceed 3,100 pounds of coffee beans per hour.
[Rule 62-210.200, FAC, and Rule 2.301, JEPB]
2. The nominal volumetric flow rate for each roaster is 3,850 cubic feet per minute.
[Rule 62-210.200, FAC, and Rule 2.301, JEPB]

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

Emission Limitations and Standards

4. PM emissions for each roaster shall not exceed 0.021 grain per dry standard cubic foot, 0.68 pound per hour, and 3.00 tons per year.
[Applicant's Request, Rule 62-296.712(2), FAC, and Rule 2.1001, JEPB]
5. VE for each roaster shall not exceed 5 percent opacity.
[Rule 62-296.712(2), FAC, and Rule 2.1001, JEPB]

Test Methods and Procedures

6. Testing for demonstration of compliance shall be performed in accordance with EPA RM 5 (as described in 40 CFR 60, Appendix A) for particulate matter.
[Rule 62-297.310(4), FAC, and Rule 2.1101, JEPB]
7. 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 62-297.310(4)(a)2., FAC, and Rule 2.1101, JEPB]
8. PM and VE shall be tested annually on two (2) roasters (alternating units) from the date of May 1, 2007.
[Rule 62-4.070(3), FAC, and Rule 2.1301, JEPB]

Monitoring of Operations

9. Each afterburner shall maintain a minimum operating temperature of 800 °F.
[Rule 62-296.700(4)(a)6., FAC, and Rule 2.1001, JEPB]
10. The owner or operator shall install, calibrate, maintain, and operate a temperature measurement device for each afterburner.
[Rule 62-296.700(4)(a)6., FAC, and Rule 2.1001, JEPB]

Recordkeeping and Reporting Requirements

11. A record shall be maintained of all periods that the afterburners are shutdown during the operation of the coffee roasters. These records shall contain sufficient information to calculate uncontrolled emissions during the shutdown and shall be a part of the monthly recordkeeping requirements.
[Rule 62-210.700(6), FAC, and Rule 2.301, JEPB]

Emissions Unit No. 505 – Continuous Roaster

Emissions Unit Description - A six (6) tons per hour continuous coffee bean roaster.

Control Device - Ross-Waldron Afterburner Model IN6011025-1

Essential Potential to Emit (PTE) Parameters

1. The maximum process rate shall not exceed 12,000 pounds of coffee beans per hour.
[Rule 62-210.200, FAC, and Rule 2.301, JEPB]

2. The nominal volumetric flow rate is 10,000 cubic feet per minute.
[Rule 62-210.200, FAC, and Rule 2.301, JEPB]

Emission Limitations and Standards

3. The hours of operation for this emissions unit shall not exceed 8400 hours per year.
[Rule 62-4.070(3), FAC, and Rule 2.1301, JEPB]
4. PM emissions shall not exceed 0.013 grain per dry standard cubic foot, 1.07 pounds per hour, and 4.50 tons per year.
[Applicant's Request, Rule 62-296.712(2), FAC, and Rule 2.1001, JEPB]
5. VE shall not exceed 5 percent opacity.
[Rule 62-296.712(2), FAC, and Rule 2.1001, JEPB]

Test Methods and Procedures

6. Testing for demonstration of compliance shall be performed in accordance with EPA RM 5 (as described in 40 CFR 60, Appendix A) for particulate matter.
[Rule 62-297.310(4), FAC, and Rule 2.1101, JEPB]
7. 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 62-297.310(4)(a)2., FAC, and Rule 2.1101, JEPB]
8. VE shall be tested annually from the date of May 1, 2007.
[Rule 62-4.070(3), FAC, and Rule 2.1301, JEPB]
9. PM shall be tested every two (2) years from the date of May 1, 2007.
[Rule 62-4.070(3), FAC, and Rule 2.1301, JEPB]

Monitoring of Operations

10. The afterburner shall maintain a minimum operating temperature of 800 °F.
[Rule 62-296.700(4)(a)6., FAC, and Rule 2.1001, JEPB]
11. The owner or operator shall install, calibrate, maintain, and operate a temperature measurement device for the afterburner.
[Rule 62-296.700(4)(a)6., FAC, and Rule 2.1001, JEPB]

Recordkeeping and Reporting Requirements

12. A record shall be maintained of all periods that the afterburner is shutdown during the operation of the coffee roaster. These records shall contain sufficient information to calculate uncontrolled emissions during the shutdown and shall be a part of the monthly recordkeeping requirements.
[Rule 62-210.700(6), FAC, and Rule 2.301, JEPB]

Emissions Unit No. 506 – Batch Roasters

Emissions Unit Description - (4) batch coffee bean roasters.

Control Device - (4) - cyclone in series with Enetex Catalytic Afterburners.

Essential Potential to Emit (PTE) Parameters

1. The maximum process rate for each roaster shall not exceed 5,500 pounds of coffee beans per hour.
[Rule 62-210.200, FAC, and Rule 2.301, JEPB]
2. The nominal volumetric flow rate for each roaster is 1,984 cubic feet per minute.
[Rule 62-210.200, FAC, and Rule 2.301, JEPB]

Emission Limitations and Standards

3. The hours of operation for this emissions unit shall not exceed 8400 hours per year.
[Rule 62-4.070(3), FAC, and Rule 2.1301, JEPB]
4. PM emissions for each roaster shall not exceed 0.021 grain per dry standard cubic foot, 0.36 pound per hour, and 1.50 tons per year.
[Applicant's Request, Rule 62-296.712(2), FAC, and Rule 2.1001, JEPB]
5. VE for each roaster shall not exceed to 5 percent opacity.
[Rule 62-296.712(2), FAC, and Rule 2.1001, JEPB]

Test Methods and Procedures

6. Testing for demonstration of compliance shall be performed in accordance with EPA RM 5 (as described in 40 CFR 60, Appendix A) for particulate matter.
[Rule 62-297.310(4), FAC, and Rule 2.1101, JEPB]
7. 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 62-297.310(4)(a)2., FAC, and Rule 2.1101, JEPB]
8. PM and VE shall be tested annually (alternating units) from the date of May 1, 2007.
[Rule 62-4.070(3), FAC, and Rule 2.1301, JEPB]

Monitoring of Operations

9. Each afterburner shall maintain a minimum operating temperature of 770 °F.
[Rule 62-296.700(4)(a)6., FAC, and Rule 2.1001, JEPB]
10. The owner or operator shall install, calibrate, maintain, and operate a temperature measurement device for each afterburner.
[Rule 62-296.700(4)(a)6., FAC, and Rule 2.1001, JEPB]

Recordkeeping and Reporting Requirements

11. A record shall be maintained of all periods that the afterburners are shutdown during the operation of the coffee roasters. These records shall contain sufficient information to calculate uncontrolled emissions during the shutdown and shall be a part of the monthly recordkeeping requirements.
[Rule 62-210.700(6), FAC, and Rule 2.301, JEPB]

Emissions Unit No. 509 – Hot Chaff System

Emissions Unit Description - Hot chaff handling system smoke control.

Control Device - Afterburner

Essential Potential to Emit (PTE) Parameters

1. The maximum heat input rate for the afterburner shall not exceed 9×10^6 Btu per hour of natural gas.
[Rule 62-210.200, FAC, and Rule 2.301, JEPB]
2. The nominal volumetric flow rate for the afterburner is 5,891 cubic feet per minute.
[Rule 62-210.200, FAC, and Rule 2.301, JEPB]
3. This emissions unit is allowed to operate continuously, i.e., 8,760 hours per year.
[Rule 62-210.200, FAC, and Rule 2.301, JEPB]

Emission Limitations and Standards

4. PM emissions for the afterburner shall not exceed 0.014 grain per dry standard cubic foot, 0.68 pound per hour, and 3.00 tons per year.
[Applicant's Request, Rule 62-296.712(2), FAC, and Rule 2.1001, JEPB]
5. VE for the afterburner shall not exceed 5 percent opacity.
[Rule 62-296.712(2), FAC, and Rule 2.1001, JEPB]

Test Methods and Procedures

6. Testing for demonstration of compliance shall be performed in accordance with EPA RM 5 (as described in 40 CFR 60, Appendix A) for particulate matter.
[Rule 62-297.310(4), FAC, and Rule 2.1101, JEPB]
7. 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 62-297.310(4)(a)2., FAC, and Rule 2.1101, JEPB]
8. VE shall be tested annually from the date of May 1, 2007.
[Rule 62-4.070(3), FAC, and Rule 2.1301, JEPB]
9. PM shall be tested three (3) years from the date of May 1, 2007.
[Rule 62-4.070(3), FAC, and Rule 2.1301, JEPB]

Monitoring of Operations

10. The afterburner shall maintain a minimum operating temperature of 800 °F.
[Rule 62-296.700(4)(a)6., FAC, and Rule 2.1001, JEPB]
11. The owner or operator shall install, calibrate, maintain, and operate a temperature measurement device for the afterburner.
[Rule 62-296.700(4)(a)6., FAC, and Rule 2.1001, JEPB]

Recordkeeping and Reporting Requirements

12. A record shall be maintained of all periods that the afterburner is shutdown during the operation of the hot chaff system. These records shall contain sufficient information to calculate uncontrolled emissions during the shutdown and shall be a part of the monthly recordkeeping requirements.
[Rule 62-210.700(6), FAC, and Rule 2.301, JEPB]

Emissions Unit No. 510 – Bunkers

Emissions Unit Description - (22) coffee bean storage bunkers.

Control Device - MAC Baghouse Model 120MCF112, Type III.

Essential Potential to Emit (PTE) Parameters

1. The maximum process rate shall not exceed 120,000 pounds per hour of green coffee beans.
[Rule 62-210.200, FAC, and Rule 2.301, JEPB]
2. The nominal volumetric flow rate is 10,000 cubic feet per minute.
[Rule 62-210.200, FAC, and Rule 2.301, JEPB]
3. This emissions unit is allowed to operate continuously, i.e., 8,760 hours per year.
[Rule 62-210.200, FAC, and Rule 2.301, JEPB]

Emission Limitations and Standards

4. PM emissions shall not exceed 0.008 grain per dry standard cubic foot, 0.68 pound per hour, and 3.00 tons per year.
[Applicant's Request, Rule 62-296.711(2), FAC, and Rule 2.1001, JEPB]
5. VE shall not exceed 5 percent opacity.
[Rule 62-296.711(2), FAC, and Rule 2.1001, JEPB]

Test Methods and Procedures

6. Testing for demonstration of compliance shall be performed in accordance with EPA RM 5 (as described in 40 CFR 60, Appendix A) for particulate matter.
[Rule 62-297.310(4), FAC, and Rule 2.1101, JEPB]
7. 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 62-297.310(4)(a)2., FAC, and Rule 2.1101, JEPB]
8. VE shall be tested annually from the date of May 1, 2007.
[Rule 62-4.070(3), FAC, and Rule 2.1301, JEPB]
9. PM shall be tested three (3) years from the date of May 1, 2007.
[Rule 62-4.070(3), FAC, and Rule 2.1301, JEPB]

Emissions Unit No. 511 – GFM Bunkers

Emissions Unit Description - (3) coffee bean storage bunkers.

Control Device - Flex Kleen Model 84CTBC-24 Baghouse

Essential Potential to Emit (PTE) Parameters

1. The maximum process rate shall not exceed 15,000 pounds per hour of coffee beans.
[Rule 62-210.200, FAC, and Rule 2.301, JEPB]
2. The nominal volumetric flow rate is 319 cubic feet per minute.
[Rule 62-210.200, FAC, and Rule 2.301, JEPB]
3. This emissions unit is allowed to operate continuously, i.e., 8,760 hours per year.
[Rule 62-210.200, FAC, and Rule 2.301, JEPB]

Emission Limitations and Standards

4. Particulate matter (PM) emissions shall not exceed one (1) ton per year.
[Rule 62-296.700(2)(c), FAC, and Rule 2.1001, JEPB]
5. Visible emissions (VE) shall not exceed five (5) percent opacity.
[Rule 62-297.620(4), FAC, and Rule 2.1101, JEPB]

Test Methods and Procedures

6. 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 62-297.310(4), FAC, and Rule 2.1101, JEPB]
7. 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 62-297.310(4)(a)2., FAC, and Rule 2.1101, JEPB]
8. VE shall be tested annually from the date of May 1, 2007.
[Rule 62-4.070(3), FAC, and Rule 2.1301, JEPB]

Emissions Unit No. 512 – Thermal Green Bean Conveying System

Emissions Unit Description - Pneumatically conveyed green coffee beans to the Thermal roasters.

Control Device - (2) cyclones in series with a Dracco Baghouse

Essential Potential to Emit (PTE) Parameters

1. The maximum process rate shall be limited to 6,200 pounds per hour of coffee beans.
[Rule 62-210.200, FAC, and Rule 2.301, JEPB]
2. The nominal volumetric flow rate is 931 cubic feet per minute.
[Rule 62-210.200, FAC, and Rule 2.301, JEPB]
3. This emissions unit is allowed to operate continuously, i.e., 8,760 hours per year.
[Rule 62-210.200, FAC, and Rule 2.301, JEPB]

Emission Limitations and Standards

4. PM emissions shall be limited to 0.03 grain per dry standard cubic foot, 0.24 pound per hour, and 1.05 tons per year.
[Rule 62-296.711(2), FAC, and Rule 2.1001, JEPB]
5. VE shall be limited to 5 percent opacity.
[Rule 62-296.711(2), FAC, and Rule 2.1001, JEPB]

Test Methods and Procedures

6. 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 62-297.310(4), FAC, and Rule 2.1101, JEPB]
7. 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 62-297.310(4)(a)2., FAC, and Rule 2.1101, JEPB]
8. VE shall be tested annually from the date of May 1, 2007.
[Rule 62-4.070(3), FAC, and Rule 2.1301, JEPB]

Emissions Unit No. 513 – Thermal Cooling Cars

Emissions Unit Description - Roasted beans from the two (2) Thermal roasters are cooled in two (2) cooling cars prior to destoning.

Control Device - (2) cyclones

Essential Potential to Emit (PTE) Parameters

1. The maximum process rate for each cooling car shall not exceed to 3,100 pounds per hour of coffee beans.
[Rule 62-210.200, FAC, and Rule 2.301, JEPB]
2. The nominal volumetric flow rate for each cooling car is 4,648 cubic feet per minute.
[Rule 62-210.200, FAC, and Rule 2.301, JEPB]
3. This emissions unit is allowed to operate continuously, i.e., 8,760 hours per year.
[Rule 62-210.200, FAC, and Rule 2.301, JEPB]

Emission Limitations and Standards

4. PM emissions for each cooling car shall not exceed 0.017 grain per dry standard cubic foot, 0.68 pound per hour, and 3.00 tons per year.
[Applicant's Request, Rule 62-296.711(2), FAC, and Rule 2.1001, JEPB]
5. VE for each cooling car shall not exceed 5 percent opacity.
[Rule 62-296.711(2), FAC, and Rule 2.1001, JEPB]

Test Methods and Procedures

6. Testing for demonstration of compliance shall be performed in accordance with EPA RM 5 (as described in 40 CFR 60, Appendix A) for particulate matter.
[Rule 62-297.310(4), FAC, and Rule 2.1101, JEPB]
7. 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 62-297.310(4)(a)2., FAC, and Rule 2.1101, JEPB]
8. PM and VE shall be tested annually from the date of May 1, 2007.
[Rule 62-4.070(3), FAC, and Rule 2.1301, JEPB]

Emissions Unit No. 514 – Thermal Destoners

Emissions Unit Description - Two (2) destoners are used to remove stones and other waste from the roasted beans that were not removed in the initial cleaning process.

Control Device - (2) cyclones in series with a MAC Model 96AVR80 Style III Baghouse

Essential Potential to Emit (PTE) Parameters

1. The maximum process rate for each destoner shall not exceed 3,100 pounds per hour of coffee beans.
[Rule 62-210.200, FAC, and Rule 2.301, JEPB]
2. The nominal volumetric flow rate is 7,000 cubic feet per minute.
[Rule 62-210.200, FAC, and Rule 2.301, JEPB]
3. This emissions unit is allowed to operate continuously, i.e., 8,760 hours per year.
[Rule 62-210.200, FAC, and Rule 2.301, JEPB]

Emission Limitations and Standards

4. PM emissions shall not exceed 0.011 grain per dry standard cubic foot, 0.68 pound per hour, and 3.00 tons per year.
[Applicant's Request, Rule 62-296.711(2), FAC, and Rule 2.1001, JEPB]
5. VE shall not exceed 5 percent opacity.
[Rule 62-296.711(2), FAC, and Rule 2.1001, JEPB]

Test Methods and Procedures

6. Testing for demonstration of compliance shall be performed in accordance with EPA RM 5 (as described in 40 CFR 60, Appendix A) for particulate matter.
[Rule 62-297.310(4), FAC, and Rule 2.1101, JEPB]
7. 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 62-297.310(4)(a)2., FAC, and Rule 2.1101, JEPB]
8. PM and VE shall be tested annually from the date of May 1, 2007.
[Rule 62-4.070(3), FAC, and Rule 2.1301, JEPB]

Emissions Unit No. 515 – Thermal Scale

Emissions Unit Description - Roasted beans are pneumatically conveyed to the Thermal scale for product weighing.

Control Device - Cyclone

Essential Potential to Emit (PTE) Parameters

1. The maximum process rate shall be limited to 6,200 pounds per hour of coffee beans.
[Rule 62-210.200, FAC, and Rule 2.301, JEPB]
2. The nominal volumetric flow rate is 1,250 cubic feet per minute.
[Rule 62-210.200, FAC, and Rule 2.301, JEPB]
3. This emissions unit is allowed to operate continuously, i.e., 8,760 hours per year.
[Rule 62-210.200, FAC, and Rule 2.301, JEPB]

Emission Limitations and Standards

4. PM emissions shall be limited to 0.03 grain per dry standard cubic foot, 0.32 pound per hour, and 1.40 tons per year.
[Rule 62-296.711(2), FAC, and Rule 2.1001, JEPB]
5. VE shall be limited to 5 percent opacity.
[Rule 62-296.711(2), FAC, and Rule 2.1001, JEPB]

Test Methods and Procedures

6. 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 62-297.310(4), FAC, and Rule 2.1101, JEPB]
7. 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 62-297.310(4)(a)2., FAC, and Rule 2.1101, JEPB]
8. VE shall be tested annually from the date of May 1, 2007.
[Rule 62-4.070(3), FAC, and Rule 2.1301, JEPB]

Emissions Unit No. 516 – Probat Green Bean Feed System

Emissions Unit Description - Pneumatically conveyed green coffee beans to the Probat roasters.

Control Device - (10) cyclones in series with a Flex Kleen Baghouse

Essential Potential to Emit (PTE) Parameters

1. The maximum process rate shall be limited to 31,000 pounds per hour of coffee beans.
[Rule 62-210.200, FAC, and Rule 2.301, JEPB]

2. The nominal volumetric flow rate is 1,250 cubic feet per minute.
[Rule 62-210.200, FAC, and Rule 2.301, JEPB]
3. This emissions unit is allowed to operate continuously, i.e., 8,760 hours per year.
[Rule 62-210.200, FAC, and Rule 2.301, JEPB]

Emission Limitations and Standards

4. PM emissions shall be limited to 0.03 grain per dry standard cubic foot, 0.32 pound per hour, and 1.40 tons per year.
[Rule 62-296.711(2), FAC, and Rule 2.1001, JEPB]
5. VE shall be limited to 5 percent opacity.
[Rule 62-296.711(2), FAC, and Rule 2.1001, JEPB]

Test Methods and Procedures

6. 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 62-297.310(4), FAC, and Rule 2.1101, JEPB]
7. 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 62-297.310(4)(a)2., FAC, and Rule 2.1101, JEPB]
8. VE shall be tested annually from the date of May 1, 2007.
[Rule 62-4.070(3), FAC, and Rule 2.1301, JEPB]

Emissions Unit No. 517 – Probat Destoner Cooling Cars

Emissions Unit Description - Roasted beans from the ten (10) Probat roasters are cooled in ten (10) cooling cars prior to destoning. Ten (10) destoners are used to remove stones and other waste from the roasted beans that were not removed in the initial cleaning process.

Control Device - (10) cyclones

Essential Potential to Emit (PTE) Parameters

1. The maximum process rate for each destoner/cooling car shall not exceed 3,100 pounds per hour of coffee beans.
[Rule 62-210.200, FAC, and Rule 2.301, JEPB]
2. The nominal volumetric flow rate for each destoner is 7,648 cubic feet per minute.
[Rule 62-210.200, FAC, and Rule 2.301, JEPB]
3. This emissions unit is allowed to operate continuously, i.e., 8,760 hours per year.
[Rule 62-210.200, FAC, and Rule 2.301, JEPB]

Emission Limitations and Standards

4. PM emissions for each destoner shall not exceed 0.01 grain per dry standard cubic foot, 0.68 pound per hour, and 3.00 tons per year.
[Applicant's Request, Rule 62-296.711(2), FAC, and Rule 2.1001, JEPB]
5. VE for each destoner shall not exceed 5 percent opacity.
[Rule 62-296.711(2), FAC, and Rule 2.1001, JEPB]

Test Methods and Procedures

6. Testing for demonstration of compliance shall be performed in accordance with EPA RM 5 (as described in 40 CFR 60, Appendix A) for particulate matter.
[Rule 62-297.310(4), FAC, and Rule 2.1101, JEPB]
7. 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 62-297.310(4)(a)2., FAC, and Rule 2.1101, JEPB]
8. PM and VE shall be tested annually on two (2) destoners (alternating units) from the date of May 1, 2007.
[Rule 62-4.070(3), FAC, and Rule 2.1301, JEPB]

Emissions Unit No. 518 – Probat Cold Chaff System

Emissions Unit Description - Pneumatically conveys cold chaff from the Probat roasters to the grounds pit.

Control Device - Cyclone

Essential Potential to Emit (PTE) Parameters

1. The nominal volumetric flow rate is 3,633 cubic feet per minute.
[Rule 62-210.200, FAC, and Rule 2.301, JEPB]
2. This emissions unit is allowed to operate continuously, i.e., 8,760 hours per year.
[Rule 62-210.200, FAC, and Rule 2.301, JEPB]

Emission Limitations and Standards

3. PM emissions shall not exceed 0.018 grain per dry standard cubic foot, 0.57 pound per hour, and 2.50 tons per year.
[Applicant's Request, Rule 62-296.711(2), FAC, and Rule 2.1001, JEPB]
4. VE shall not exceed 5 percent opacity.
[Rule 62-296.711(2), FAC, and Rule 2.1001, JEPB]

Test Methods and Procedures

5. Testing for demonstration of compliance shall be performed in accordance with EPA RM 5 (as described in 40 CFR 60, Appendix A) for particulate matter.
[Rule 62-297.310(4), FAC, and Rule 2.1101, 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 62-297.310(4)(a)2., FAC, and Rule 2.1101, JEPB]
7. VE shall be tested annually from the date of May 1, 2007.
[Rule 62-4.070(3), FAC, and Rule 2.1301, JEPB]
8. PM shall be tested three (3) years from the date of May 1, 2007.
[Rule 62-4.070(3), FAC, and Rule 2.1301, JEPB]

Emissions Unit No. 519 – Probat Scales

Emissions Unit Description - Roasted beans are pneumatically conveyed to three (3) Probat scales for product weighing.

Control Device - (3) cyclones

Essential Potential to Emit (PTE) Parameters

1. The maximum process rate shall not exceed 31,000 pounds per hour of coffee beans.
[Rule 62-210.200, FAC, and Rule 2.301, JEPB]
2. The nominal volumetric flow rate for each scale is 4,710 cubic feet per minute.
[Rule 62-210.200, FAC, and Rule 2.301, JEPB]
3. This emissions unit is allowed to operate continuously, i.e., 8,760 hours per year.
[Rule 62-210.200, FAC, and Rule 2.301, JEPB]

Emission Limitations and Standards

4. PM emissions for each scale shall not exceed 0.011 grain per dry standard cubic foot, 0.46 pound per hour, and 2.00 tons per year.
[Applicant's Request, Rule 62-296.711(2), FAC, and Rule 2.1001, JEPB]
5. VE for each scale shall not exceed 5 percent opacity.
[Rule 62-296.711(2), FAC, and Rule 2.1001, JEPB]

Test Methods and Procedures

6. Testing for demonstration of compliance shall be performed in accordance with EPA RM 5 (as described in 40 CFR 60, Appendix A) for particulate matter.
[Rule 62-297.310(4), FAC, and Rule 2.1101, JEPB]
7. 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 62-297.310(4)(a)2., FAC, and Rule 2.1101, JEPB]
8. PM and VE shall be tested annually (alternating units) from the date of May 1, 2007.
[Rule 62-4.070(3), FAC, and Rule 2.1301, JEPB]

Emissions Unit No. 520 – Continuous Green Bean Feed System

Emissions Unit Description - Pneumatically conveyed green coffee beans to the Continuous roaster.

Control Device - MAC Model 54AVS25 Baghouse

Essential Potential to Emit (PTE) Parameters

1. The maximum process rate shall be limited to 12,000 pounds per hour of coffee beans.
[Rule 62-210.200, FAC, and Rule 2.301, JEPB]
2. The nominal volumetric flow rate is 1,000 cubic feet per minute.
[Rule 62-210.200, FAC, and Rule 2.301, JEPB]

Emission Limitations and Standards

3. The hours of operation for this emissions unit shall not exceed 8400 hours per year.
[Rule 62-4.070(3), FAC, and Rule 2.1301, JEPB]
4. PM emissions shall be limited to less than one (1) ton per year.
[Rule 62-296.700(2)(c), FAC, and Rule 2.1001, JEPB]
5. VE shall be limited to five (5) percent opacity.
[Rule 62-297.620(4), FAC, and Rule 2.1101, JEPB]

Test Methods and Procedures

6. Testing for demonstration of compliance shall be performed in accordance with EPA RM 5 (as described in 40 CFR 60, Appendix A) for particulate matter.
[Rule 62-297.310(4), FAC, and Rule 2.1101, JEPB]
7. 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 62-297.310(4)(a)2., FAC, and Rule 2.1101, JEPB]
8. VE shall be tested annually from the date of May 1, 2007.
[Rule 62-4.070(3), FAC, and Rule 2.1301, JEPB]
9. PM shall be tested every two (2) years from the date of May 1, 2007.
[Rule 62-4.070(3), FAC, and Rule 2.1301, JEPB]

Emissions Unit No. 521– Continuous Cooling System

Emissions Unit Description - Roasted beans from the Continuous roaster are cooled in the cooling system prior to destoning.

Control Device - Ducon Model 700/150 Cyclone

Essential Potential to Emit (PTE) Parameters

1. The maximum process rate shall not exceed 12,000 pounds of coffee beans per hour.
[Rule 62-210.200, FAC, and Rule 2.301, JEPB]

2. The nominal volumetric flow rate is 10,000 cubic feet per minute.
[Rule 62-210.200, FAC, and Rule 2.301, JEPB]

Emission Limitations and Standards

3. The hours of operation for this emissions unit shall not exceed 8400 hours per year.
[Rule 62-4.070(3), FAC, and Rule 2.1301, JEPB]
4. PM emissions shall not exceed 0.013 grain per dry standard cubic foot, 1.07 pounds per hour, and 4.50 tons per year.
[Applicant's Request, Rule 62-296.711(2), FAC, and Rule 2.1001, JEPB]
5. VE shall not exceed 5 percent opacity.
[Rule 62-296.711(2), FAC, and Rule 2.1001, JEPB]

Test Methods and Procedures

6. Testing for demonstration of compliance shall be performed in accordance with EPA RM 5 (as described in 40 CFR 60, Appendix A) for particulate matter.
[Rule 62-297.310(4), FAC, and Rule 2.1101, JEPB]
7. 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 62-297.310(4)(a)2., FAC, and Rule 2.1101, JEPB]
8. VE shall be tested annually from the date of May 1, 2007.
[Rule 62-4.070(3), FAC, and Rule 2.1301, JEPB]
9. PM shall be tested every two (2) years from the date of May 1, 2007.
[Rule 62-4.070(3), FAC, and Rule 2.1301, JEPB]

Emissions Unit No. 522 – Stored Product Handling System

Emissions Unit Description - Pneumatically conveyed roasted beans from the Continuous Destoner and scale.

Control Device - Buhler-MAIG Model RPPR 7/3 Baghouse

Essential Potential to Emit (PTE) Parameters

1. The maximum process rate shall be limited to 12,000 pounds per hour of coffee beans.
[Rule 62-210.200, FAC, and Rule 2.301, JEPB]
2. The nominal volumetric flow rate is 214 cubic feet per minute.
[Rule 62-210.200, FAC, and Rule 2.301, JEPB]

Emission Limitations and Standards

3. The hours of operation for this emissions unit shall not exceed 8400 hours per year.
[Rule 62-4.070(3), FAC, and Rule 2.1301, JEPB]
4. PM emissions shall be limited to less than one (1) ton per year.
[Rule 62-296.700(2)(c), FAC, and Rule 2.1001, JEPB]

5. VE shall be limited to five (5) percent opacity.
[Rule 62-297.620(4), FAC, and Rule 2.1101, JEPB]

Test Methods and Procedures

6. Testing for demonstration of compliance shall be performed in accordance with EPA RM 5 (as described in 40 CFR 60, Appendix A) for particulate matter.
[Rule 62-297.310(4), FAC, and Rule 2.1101, JEPB]
7. 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 62-297.310(4)(a)2., FAC, and Rule 2.1101, JEPB]
8. VE shall be tested annually from the date of May 1, 2007.
[Rule 62-4.070(3), FAC, and Rule 2.1301, JEPB]
9. PM shall be tested every two (2) years from the date of May 1, 2007.
[Rule 62-4.070(3), FAC, and Rule 2.1301, JEPB]

Emissions Unit No. 523 – Continuous Destoner

Emissions Unit Description - The destoner is used to remove stones and other waste from the roasted beans that were not removed in the initial cleaning process.

Control Device - Flex-Kleen Model 100WRBS 80 III G Baghouse

Essential Potential to Emit (PTE) Parameters

1. The maximum process rate shall be limited to 12,000 pounds per hour of coffee beans.
[Rule 62-210.200, FAC, and Rule 2.301, JEPB]
2. The nominal volumetric flow rate is 5,665 cubic feet per minute.
[Rule 62-210.200, FAC, and Rule 2.301, JEPB]

Emission Limitations and Standards

3. The hours of operation for this emissions unit shall not exceed 8400 hours per year.
[Rule 62-4.070(3), FAC, and Rule 2.1301, JEPB]
4. PM emissions shall be limited to less than one (1) ton per year.
[Rule 62-296.700(2)(c), FAC, and Rule 2.1001, JEPB]
5. VE shall be limited to five (5) percent opacity.
[Rule 62-297.620(4), FAC, and Rule 2.1101, JEPB]

Test Methods and Procedures

6. Testing for demonstration of compliance shall be performed in accordance with EPA RM 5 (as described in 40 CFR 60, Appendix A) for particulate matter.
[Rule 62-297.310(4), FAC, and Rule 2.1101, JEPB]

7. 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 62-297.310(4)(a)2., FAC, and Rule 2.1101, JEPB]
8. VE shall be tested annually from the date of May 1, 2007.
[Rule 62-4.070(3), FAC, and Rule 2.1301, JEPB]
9. PM shall be tested every two (2) years from the date of May 1, 2007.
[Rule 62-4.070(3), FAC, and Rule 2.1301, JEPB]

Emissions Unit No. 524 – Batch Green Bean Storage Silos

Emissions Unit Description - Pneumatically conveyed beans to the blend before roasting silos (BBR-3).

Control Device - Kice Baghouse Model HR24-9H

Essential Potential to Emit (PTE) Parameters

1. The maximum process rate shall be limited to 22,000 pounds per hour of coffee beans.
[Rule 62-210.200, FAC, and Rule 2.301, JEPB]
2. The nominal volumetric flow rate is 2,386 cubic feet per minute.
[Rule 62-210.200, FAC, and Rule 2.301, JEPB]

Emission Limitations and Standards

3. The hours of operation for this emissions unit shall not exceed 8400 hours per year.
[Rule 62-4.070(3), FAC, and Rule 2.1301, JEPB]
4. PM emissions shall be limited to less than one (1) ton per year.
[Rule 62-296.700(2)(c), FAC, and Rule 2.1001, JEPB]
5. VE shall be limited to five (5) percent opacity.
[Rule 62-297.620(4), FAC, and Rule 2.1101, JEPB]

Test Methods and Procedures

6. 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 62-297.310(4), FAC, and Rule 2.1101, JEPB]
7. 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 62-297.310(4)(a)2., FAC, and Rule 2.1101, JEPB]
8. VE shall be tested annually from the date of May 1, 2007.
[Rule 62-4.070(3), FAC, and Rule 2.1301, JEPB]

Emissions Unit No. 525 – Batch Roasters Green Bean Feed System

Emissions Unit Description - Pneumatically conveys green coffee beans to the four (4) Batch roasters.

Control Device - Flex-Kleen Model 84-WRWS-48 Baghouse

Essential Potential to Emit (PTE) Parameters

1. The maximum process rate shall be limited to 22,000 pounds per hour of coffee beans.
[Rule 62-210.200, FAC, and Rule 2.301, JEPB]
2. The nominal volumetric flow rate is 1,432 cubic feet per minute.
[Rule 62-210.200, FAC, and Rule 2.301, JEPB]

Emission Limitations and Standards

3. The hours of operation for this emissions unit shall not exceed 8400 hours per year.
[Rule 62-4.070(3), FAC, and Rule 2.1301, JEPB]
4. PM emissions shall be limited to less than one (1) ton per year.
[Rule 62-296.700(2)(c), FAC, and Rule 2.1001, JEPB]
5. VE shall be limited to five (5) percent opacity.
[Rule 62-297.620(4), FAC, and Rule 2.1101, JEPB]

Test Methods and Procedures

6. 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 62-297.310(4), FAC, and Rule 2.1101, JEPB]
7. 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 62-297.310(4)(a)2., FAC, and Rule 2.1101, JEPB]
8. VE shall be tested annually from the date of May 1, 2007.
[Rule 62-4.070(3), FAC, and Rule 2.1301, JEPB]

Emissions Unit No. 526 – Batch Cooling Cars

Emissions Unit Description - Roasted beans from the four (4) Batch roasters are cooled in four (4) cooling cars prior to destoning.

Control Device - (4) Ducon Cyclones Model 700/330

Essential Potential to Emit (PTE) Parameters

1. The maximum process rate for each cooling car shall be limited to 5,500 pounds per hour of coffee beans.
[Rule 62-210.200, FAC, and Rule 2.301, JEPB]
2. The nominal volumetric flow rate for each cooling car is 5,151 cubic feet per minute.
[Rule 62-210.200, FAC, and Rule 2.301, JEPB]

Emission Limitations and Standards

3. The hours of operation for this emissions unit shall not exceed 8400 hours per year.
[Rule 62-4.070(3), FAC, and Rule 2.1301, JEPB]
4. PM emissions for each cooling car shall be limited to less than one (1) ton per year.
[Rule 62-296.700(2)(c), FAC, and Rule 2.1001, JEPB]
5. VE for each cooling car shall be limited to five (5) percent opacity.
[Rule 62-297.620(4), FAC, and Rule 2.1101, JEPB]

Test Methods and Procedures

6. 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 62-297.310(4), FAC, and Rule 2.1101, JEPB]
7. 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 62-297.310(4)(a)2., FAC, and Rule 2.1101, JEPB]
8. VE shall be tested annually (alternating units) from the date of May 1, 2007.
[Rule 62-4.070(3), FAC, and Rule 2.1301, JEPB]

Emissions Unit No. 527 – Batch Destoners

Emissions Unit Description - Four (4) destoners are used to remove stones and other waste from the roasted beans that were not removed in the initial cleaning process.

Control Device - (4) Flex-Kleen Model 100-WRWS-64 Baghouses

Essential Potential to Emit (PTE) Parameters

1. The maximum process rate for each destoner shall be limited to 5,500 pounds per hour of coffee beans.
[Rule 62-210.200, FAC, and Rule 2.301, JEPB]
2. The nominal volumetric flow rate for each destoner is 6,344 cubic feet per minute.
[Rule 62-210.200, FAC, and Rule 2.301, JEPB]

Emission Limitations and Standards

3. The hours of operation for this emissions unit shall not exceed 8400 hours per year.
[Rule 62-4.070(3), FAC, and Rule 2.1301, JEPB]
4. PM emissions for each destoner shall be limited to less than one (1) ton per year.
[Rule 62-296.700(2)(c), FAC, and Rule 2.1001, JEPB]
5. VE for each destoner shall be limited to five (5) percent opacity.
[Rule 62-297.620(4), FAC, and Rule 2.1101, JEPB]

Test Methods and Procedures

6. 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 62-297.310(4), FAC, and Rule 2.1101, JEPB]
7. 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 62-297.310(4)(a)2., FAC, and Rule 2.1101, JEPB]
8. VE shall be tested annually (alternating units) from the date of May 1, 2007.
[Rule 62-297.620(4), FAC, and Rule 2.1101, JEPB]

Emissions Unit No. 528 – BAR Systems Nos. 1, 2, and 3

Emissions Unit Description - Three (3) blend after roasting (BAR) pneumatic handling systems and silos.

Control Device - (2) Flex-Kleen Model 100-WSTS-81 Baghouses

Essential Potential to Emit (PTE) Parameters

1. The nominal volumetric flow rate for each baghouse is 5,481 cubic feet per minute.
[Rule 62-210.200, FAC, and Rule 2.301, JEPB]

Emission Limitations and Standards

2. The hours of operation for this emissions unit shall not exceed 8400 hours per year.
[Rule 62-4.070(3), FAC, and Rule 2.1301, JEPB]
3. PM emissions for each baghouse shall be limited to less than one (1) ton per year.
[Rule 62-296.700(2)(c), FAC, and Rule 2.1001, JEPB]
4. VE for each baghouse shall be limited to five (5) percent opacity.
[Rule 62-297.620(4), FAC, and Rule 2.1101, 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 62-297.310(4), FAC, and Rule 2.1101, 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 62-297.310(4)(a)2., FAC, and Rule 2.1101, JEPB]
7. VE shall be tested annually (alternating units) from the date of May 1, 2007.
[Rule 62-4.070(3), FAC, and Rule 2.1301, JEPB]

Emissions Unit No. 529 – Coffee Bean Reclaim System

Emissions Unit Description - Reclaimed roasted beans from the BAR systems are pneumatically conveyed to the Rework Station.

Control Device - Flex-Kleen Model WRBS-48 Baghouse

Essential Potential to Emit (PTE) Parameters

1. The nominal volumetric flow rate is 931 cubic feet per minute.
[Rule 62-210.200, FAC, and Rule 2.301, JEPB]
2. This emissions unit is allowed to operate continuously, i.e., 8,760 hours per year.
[Rule 62-210.200, FAC, and Rule 2.301, JEPB]

Emission Limitations and Standards

3. PM emissions shall be limited to 0.03 grain per dry standard cubic foot, 0.24 pound per hour, and 1.05 tons per year.
[Rule 62-296.711(2), FAC, and Rule 2.1001, JEPB]
4. VE shall be limited to 5 percent opacity.
[Rule 62-296.711(2), FAC, and Rule 2.1001, JEPB]

Test Methods and Procedures

5. Testing for demonstration of compliance shall be performed, upon request, in accordance with EPA RM 5 (as described in 40 CFR 60, Appendix A) for particulate matter.
[Rule 62-297.310(4), FAC, and Rule 2.1101, 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 62-297.310(4)(a)2., FAC, and Rule 2.1101, JEPB]
7. VE shall be tested annually from the date of May 1, 2007.
[Rule 62-4.070(3), FAC, and Rule 2.1301, JEPB]

Emissions Unit No. 530 – SIG-VAC Packaging Machines

Emissions Unit Description - Ground coffee packaging operation.

Control Device - Flex-Kleen Model 84-WRBC-80 Baghouse

Essential Potential to Emit (PTE) Parameters

1. The maximum process rate shall not exceed 12,600 pounds per hour of ground coffee.
[Rule 62-210.200, FAC, and Rule 2.301, JEPB]
2. The nominal volumetric flow rate is 5,000 cubic feet per minute.
[Rule 62-210.200, FAC, and Rule 2.301, JEPB]
3. This emissions unit is allowed to operate continuously, i.e., 8,760 hours per year.
[Rule 62-210.200, FAC, and Rule 2.301, JEPB]

Emission Limitations and Standards

4. PM emissions shall not exceed 0.011 grain per dry standard cubic foot, 0.46 pound per hour, and 2.00 tons per year.
[Applicant's Request, Rule 62-296.711(2), FAC, and Rule 2.1001, JEPB]
5. VE shall not exceed 5 percent opacity.
[Rule 62-296.711(2), FAC, and Rule 2.1001, JEPB]

Test Methods and Procedures

6. Testing for demonstration of compliance shall be performed in accordance with EPA RM 5 (as described in 40 CFR 60, Appendix A) for particulate matter.
[Rule 62-297.310(4), FAC, and Rule 2.1101, JEPB]
7. 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 62-297.310(4)(a)2., FAC, and Rule 2.1101, JEPB]
8. VE shall be tested annually from the date of May 1, 2007.
[Rule 62-4.070(3), FAC, and Rule 2.1301, JEPB]
9. PM shall be tested five (5) years from the date of May 1, 2007.
[Rule 62-4.070(3), FAC, and Rule 2.1301, JEPB]

Emissions Unit No. 531 – SIG-VAC Feed System

Emissions Unit Description - Pneumatically conveyed ground coffee to the packaging operation.

Control Device - Flex-Kleen Model 84-BVB5-16 Baghouse

Essential Potential to Emit (PTE) Parameters

1. The maximum process rate shall be limited to 12,600 pounds per hour of ground coffee.
[Rule 62-210.200, FAC, and Rule 2.301, JEPB]
2. The nominal volumetric flow rate is 500 cubic feet per minute.
[Rule 62-210.200, FAC, and Rule 2.301, JEPB]
3. This emissions unit is allowed to operate continuously, i.e., 8,760 hours per year.
[Rule 62-210.200, FAC, and Rule 2.301, JEPB]

Emission Limitations and Standards

4. PM emissions shall be limited to less than one (1) ton per year.
[Rule 62-296.700(2)(c), FAC, and Rule 2.1001, JEPB]
5. VE shall be limited to five (5) percent opacity.
[Rule 62-297.620(4), FAC, and Rule 2.1101, JEPB]

Test Methods and Procedures

6. 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 62-297.310(4), FAC, and Rule 2.1101, JEPB]
7. 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 62-297.310(4)(a)2., FAC, and Rule 2.1101, JEPB]
8. VE shall be tested annually from the date of May 1, 2007.
[Rule 62-4.070(3), FAC, and Rule 2.1301, JEPB]

Emissions Unit No. 532 – GFIC Sugar Unloading

Emissions Unit Description - International coffee ingredients sugar unloading station.

Control Device - Shick Tube-veyor Bin Vent, Model 58AJ25 B

Essential Potential to Emit (PTE) Parameters

1. The maximum process rate shall be limited to 50,000 pounds per hour.
[Rule 62-210.200, FAC, and Rule 2.301, JEPB]
2. The nominal volumetric flow rate is 450 cubic feet per minute.
[Rule 62-210.200, FAC, and Rule 2.301, JEPB]
3. This emissions unit is allowed to operate continuously, i.e., 8,760 hours per year.
[Rule 62-210.200, FAC, and Rule 2.301, JEPB]

Emission Limitations and Standards

4. PM emissions shall be limited to less than one (1) ton per year.
[Rule 62-296.700(2)(c), FAC, and Rule 2.1001, JEPB]
5. VE shall be limited to five (5) percent opacity.
[Rule 62-297.620(4), FAC, and Rule 2.1101, JEPB]

Test Methods and Procedures

6. 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 62-297.310(4), FAC, and Rule 2.1101, JEPB]
7. 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 62-297.310(4)(a)2., FAC, and Rule 2.1101, JEPB]
8. VE shall be tested annually from the date of May 1, 2007.
[Rule 62-4.070(3), FAC, and Rule 2.1301, JEPB]

Emissions Unit No. 533 – GFIC Minors Dump Station Receiving

Emissions Unit Description - International coffee minor ingredients handling process.

Control Device - IAC Bin Vent Model FRIP-AZ-4

Essential Potential to Emit (PTE) Parameters

1. The maximum process rate shall be limited to 20,000 pounds per hour.
[Rule 62-210.200, FAC, and Rule 2.301, JEPB]
2. The nominal volumetric flow rate is 400 cubic feet per minute.
[Rule 62-210.200, FAC, and Rule 2.301, JEPB]
3. This emissions unit is allowed to operate continuously, i.e., 8,760 hours per year.
[Rule 62-210.200, FAC, and Rule 2.301, JEPB]

Emission Limitations and Standards

4. PM emissions shall be limited to less than one (1) ton per year.
[Rule 62-296.700(2)(c), FAC, and Rule 2.1001, JEPB]
5. VE shall be limited to five (5) percent opacity.
[Rule 62-297.620(4), FAC, and Rule 2.1101, JEPB]

Test Methods and Procedures

6. 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 62-297.310(4), FAC, and Rule 2.1101, JEPB]
7. 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 62-297.310(4)(a)2., FAC, and Rule 2.1101, JEPB]
8. VE shall be tested annually from the date of May 1, 2007.
[Rule 62-4.070(3), FAC, and Rule 2.1301, JEPB]

Emissions Unit No. 534 – GFIC Majors Dump Station Receiving

Emissions Unit Description - International coffee major ingredients handling process.

Control Device - Flex Kleen Baghouse

Essential Potential to Emit (PTE) Parameters

1. The maximum process rate shall not exceed 20,000 pounds per hour.
[Rule 62-210.200, FAC, and Rule 2.301, JEPB]
2. The nominal volumetric flow rate is 7,000 cubic feet per minute.
[Rule 62-210.200, FAC, and Rule 2.301, JEPB]

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

Emission Limitations and Standards

4. PM emissions shall not exceed 0.011 grain per dry standard cubic foot, 0.68 pound per hour, and 3.00 tons per year.
[Applicant's Request, Rule 62-296.711(2), FAC, and Rule 2.1001, JEPB]
5. VE shall not exceed 5 percent opacity.
[Rule 62-296.711(2), FAC, and Rule 2.1001, JEPB]

Test Methods and Procedures

6. Testing for demonstration of compliance shall be performed in accordance with EPA RM 5 (as described in 40 CFR 60, Appendix A) for particulate matter.
[Rule 62-297.310(4), FAC, and Rule 2.1101, JEPB]
7. 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 62-297.310(4)(a)2., FAC, and Rule 2.1101, JEPB]
8. VE shall be tested annually from the date of May 1, 2007.
[Rule 62-4.070(3), FAC, and Rule 2.1301, JEPB]
9. PM shall be tested three (3) years from the date of May 1, 2007.
[Rule 62-4.070(3), FAC, and Rule 2.1301, JEPB]

Emissions Unit No. 535 – GFIC Finished Mix

Emissions Unit Description - International coffee finished mix handling process.

Control Device - AZO Bin Vent Model F500-65

Essential Potential to Emit (PTE) Parameters

1. The maximum process rate shall be limited to 20,000 pounds per hour.
[Rule 62-210.200, FAC, and Rule 2.301, JEPB]
2. The nominal volumetric flow rate is 500 cubic feet per minute.
[Rule 62-210.200, FAC, and Rule 2.301, JEPB]
3. This emissions unit is allowed to operate continuously, i.e., 8,760 hours per year.
[Rule 62-210.200, FAC, and Rule 2.301, JEPB]

Emission Limitations and Standards

4. PM emissions shall be limited to less than one (1) ton per year.
[Rule 62-296.700(2)(c), FAC, and Rule 2.1001, JEPB]
5. VE shall be limited to five (5) percent opacity.
[Rule 62-297.620(4), FAC, and Rule 2.1101, JEPB]

Test Methods and Procedures

6. 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 62-297.310(4), FAC, and Rule 2.1101, JEPB]
7. 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 62-297.310(4)(a)2., FAC, and Rule 2.1101, JEPB]
8. VE shall be tested annually from the date of May 1, 2007.
[Rule 62-4.070(3), FAC, and Rule 2.1301, JEPB]

Emissions Unit No. 536 – GFM Surge Bins

Emissions Unit Description - Green bean coffee processing operation utilizing surge bins, weight bin, and scale.

Control Device - Flex-Kleen Model 45-PVTL-16 Baghouse

Essential Potential to Emit (PTE) Parameters

1. The maximum process rate shall not exceed 15,000 pounds per hour of green coffee beans.
[Rule 62-210.200, FAC, and Rule 2.301, JEPB]
2. The nominal volumetric flow rate is 964 cubic feet per minute.
[Rule 62-210.200, FAC, and Rule 2.301, JEPB]
3. This emissions unit is allowed to operate continuously, i.e., 8,760 hours per year.
[Rule 62-210.200, FAC, and Rule 2.301, JEPB]

Emission Limitations and Standards

4. PM emissions shall not exceed 0.03 grain per dry standard cubic foot, 0.25 pound per hour, and 1.10 tons per year.
[Rule 62-296.711(2), FAC, and Rule 2.1001, JEPB]
5. VE shall not exceed 5 percent opacity.
[Rule 62-296.711(2), FAC, and Rule 2.1001, JEPB]

Test Methods and Procedures

6. 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 62-296.711(3), FAC, and Rule 2.1001, JEPB]
7. 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 62-296.711(3), FAC, and Rule 2.1001, JEPB]
8. VE shall be tested annually from the date of May 1, 2007.
[Rule 62-4.070(3), FAC, and Rule 2.1301, JEPB]

Emissions Unit No. 537 – GFM Bean Separator

Emissions Unit Description - Green bean coffee processing operation feed system.

Control Device - Hoffman Pulse Air Dust Collector Model GS-5578

Essential Potential to Emit (PTE) Parameters

1. The maximum process rate shall not exceed 15,000 pounds per hour of green coffee beans.
[Rule 62-210.200, FAC, and Rule 2.301, JEPB]
2. The nominal volumetric flow rate is 3,674 cubic feet per minute.
[Rule 62-210.200, FAC, and Rule 2.301, JEPB]
3. This emissions unit is allowed to operate continuously, i.e., 8,760 hours per year.
[Rule 62-210.200, FAC, and Rule 2.301, JEPB]

Emission Limitations and Standards

4. PM emissions shall not exceed 0.014 grain per dry standard cubic foot, 0.46 pound per hour, and 2.00 tons per year.
[Applicant's Request, Rule 62-296.711(2), FAC, and Rule 2.1001, JEPB]
5. VE shall not exceed 5 percent opacity.
[Rule 62-296.711(2), FAC, and Rule 2.1001, JEPB]

Test Methods and Procedures

6. Testing for demonstration of compliance shall be performed in accordance with EPA RM 5 (as described in 40 CFR 60, Appendix A) for particulate matter.
[Rule 62-296.711(3), FAC, and Rule 2.1001, JEPB]
7. 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 62-296.711(3), FAC, and Rule 2.1001, JEPB]
8. VE shall be tested annually from the date of May 1, 2007.
[Rule 62-4.070(3), FAC, and Rule 2.1301, JEPB]
9. PM shall be tested three (3) years from the date of May 1, 2007.
[Rule 62-4.070(3), FAC, and Rule 2.1301, JEPB]

Emissions Unit No. 538 – GFM Process

Emissions Unit Description - Green bean coffee flavor enhancing process operation. This operation includes a centrifugal washer with wet scrubber, surge bins, pressure vessels, and condenser. The entire operation exhausts to the atmosphere through a single vent stack.

Essential Potential to Emit (PTE) Parameters

1. The maximum process rate shall not exceed 15,000 pounds per hour of green coffee beans.
[Rule 62-210.200, FAC, and Rule 2.301, JEPB]

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

Emission Limitations and Standards

4. PM emissions shall not exceed 0.02 grain per dry standard cubic foot, 1.37 pounds per hour, and 6.00 tons per year.
[Applicant's Request, Rule 62-296.712(2), FAC, and Rule 2.1001, JEPB]
5. VE shall not exceed 5 percent opacity.
[Rule 62-296.712(2), FAC, and Rule 2.1001, JEPB]

Test Methods and Procedures

6. Testing for demonstration of compliance 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]
7. 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]
8. VE shall be tested annually from the date of May 1, 2007.
[Rule 62-4.070(3), FAC, and Rule 2.1301, JEPB]
9. PM shall be tested three (3) years from the date of May 1, 2007.
[Rule 62-4.070(3), FAC, and Rule 2.1301, JEPB]

Emissions Unit No. 539 – Green Coffee Silos

Emissions Unit Description - (2) green coffee bean storage silos.

Control Device - (2) cyclones

Essential Potential to Emit (PTE) Parameters

1. The maximum process rate shall not exceed 42,000 pounds per hour of green coffee beans.
[Rule 62-210.200, FAC, and Rule 2.301, JEPB]
2. The nominal volumetric flow rate for each silo is 5,000 cubic feet per minute.
[Rule 62-210.200, FAC, and Rule 2.301, JEPB]
3. This emissions unit is allowed to operate continuously, i.e., 8,760 hours per year.
[Rule 62-210.200, FAC, and Rule 2.301, JEPB]

Emission Limitations and Standards

4. PM emissions for each silo shall not exceed 0.016 grain per dry standard cubic foot, 0.68 pound per hour, and 3.00 tons per year.
[Applicant's Request, Rule 62-296.711(2), FAC, and Rule 2.1001, JEPB]
5. VE for each silo shall not exceed 5 percent opacity.
[Rule 62-296.711(2), FAC, and Rule 2.1001, JEPB]

Test Methods and Procedures

6. Testing for demonstration of compliance shall be performed in accordance with EPA RM 5 (as described in 40 CFR 60, Appendix A) for particulate matter.
[Rule 62-297.310(4), FAC, and Rule 2.1101, JEPB]
7. 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 62-297.310(4)(a)2., FAC, and Rule 2.1101, JEPB]
8. VE shall be tested on one silo annually from the date of May 1, 2007.
[Rule 62-4.070(3), FAC, and Rule 2.1301, JEPB]
9. PM shall be tested on one silo three (3) years from the date of May 1, 2007.
[Rule 62-4.070(3), FAC, and Rule 2.1301, JEPB]

Emissions Unit No. 540 – Green Coffee Silo Airveying

Emissions Unit Description - Pneumatically conveyed coffee beans to the Green Coffee Silos.

Control Device - (4) cyclones

Essential Potential to Emit (PTE) Parameters

1. The maximum process rate shall not exceed 36,990 pounds per hour of green coffee beans.
[Rule 62-210.200, FAC, and Rule 2.301, JEPB]
2. The nominal volumetric flow rate for each cyclone is 2,131 cubic feet per minute.
[Rule 62-210.200, FAC, and Rule 2.301, JEPB]
3. This emissions unit is allowed to operate continuously, i.e., 8,760 hours per year.
[Rule 62-210.200, FAC, and Rule 2.301, JEPB]

Emission Limitations and Standards

4. PM emissions for each cyclone shall not exceed 0.025 grain per dry standard cubic foot, 0.46 pound per hour, and 2.00 tons per year.
[Applicant's Request, Rule 62-296.711(2), FAC, and Rule 2.1001, JEPB]
5. VE for each cyclone shall not exceed 5 percent opacity.
[Rule 62-296.711(2), FAC, and Rule 2.1001, JEPB]

Test Methods and Procedures

6. Testing for demonstration of compliance shall be performed in accordance with EPA RM 5 (as described in 40 CFR 60, Appendix A) for particulate matter.
[Rule 62-297.310(4), FAC, and Rule 2.1101, JEPB]
7. 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 62-297.310(4)(a)2., FAC, and Rule 2.1101, JEPB]
8. VE shall be tested on one cyclone annually from the date of May 1, 2007.
[Rule 62-4.070(3), FAC, and Rule 2.1301, JEPB]
9. PM shall be tested on one cyclone three (3) years from the date of May 1, 2007.
[Rule 62-4.070(3), FAC, and Rule 2.1301, JEPB]

Emissions Unit No. 541 – Whole Roasted Bean Storage

Emissions Unit Description - Pneumatically conveyed coffee beans to the Whole Roasted Bean Storage silos.

Control Device - MAC Model 96 AVS 64 Baghouse

Essential Potential to Emit (PTE) Parameters

1. The maximum process rate shall not exceed 36,990 pounds per hour of green coffee beans.
[Rule 62-210.200, FAC, and Rule 2.301, JEPB]
2. The nominal volumetric flow rate for each cyclone is 3,600 cubic feet per minute.
[Rule 62-210.200, FAC, and Rule 2.301, JEPB]
3. This emissions unit is allowed to operate continuously, i.e., 8,760 hours per year.
[Rule 62-210.200, FAC, and Rule 2.301, JEPB]

Emission Limitations and Standards

4. PM emissions shall not exceed 0.015 grain per dry standard cubic foot, 0.46 pound per hour, and 2.00 tons per year.
[Applicant's Request, Rule 62-296.711(2), FAC, and Rule 2.1001, JEPB]
5. VE shall not exceed 5 percent opacity.
[Rule 62-296.711(2), FAC, and Rule 2.1001, JEPB]

Test Methods and Procedures

6. Testing for demonstration of compliance shall be performed in accordance with EPA RM 5 (as described in 40 CFR 60, Appendix A) for particulate matter.
[Rule 62-297.310(4), FAC, and Rule 2.1101, JEPB]
7. 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 62-297.310(4)(a)2., FAC, and Rule 2.1101, JEPB]

8. VE shall be tested annually from the date of May 1, 2007.
[Rule 62-4.070(3), FAC, and Rule 2.1301, JEPB]
9. PM shall be tested three (3) years from the date of May 1, 2007.
[Rule 62-4.070(3), FAC, and Rule 2.1301, JEPB]

Emissions Unit No. 543 – Rework Station

Emissions Unit Description - The collection of partially roasted and ground coffee for reintroduction into the coffee processing systems.

Control Device - Kice Model HRB12-8 Baghouse

Essential Potential to Emit (PTE) Parameters

1. The nominal volumetric flow rate is 1,892 cubic feet per minute.
[Rule 62-210.200, FAC, and Rule 2.301, JEPB]
2. This emissions unit is allowed to operate continuously, i.e., 8,760 hours per year.
[Rule 62-210.200, FAC, and Rule 2.301, JEPB]

Emission Limitations and Standards

3. PM emissions shall be limited to 0.03 grain per dry standard cubic foot, 0.49 pound per hour, and 2.15 tons per year.
[Rule 62-296.711(2), FAC, and Rule 2.1001, JEPB]
4. VE shall be limited to 5 percent opacity.
[Rule 62-296.711(2), FAC, and Rule 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 62-297.310(4), FAC, and Rule 2.1101, 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 62-297.310(4)(a)2., FAC, and Rule 2.1101, JEPB]
7. VE shall be tested annually from the date of May 1, 2007.
[Rule 62-4.070(3), FAC, and Rule 2.1301, JEPB]

Emissions Unit No. 550 – GFM Drying Zone 1

Emissions Unit Description - Green bean coffee flavor enhancing process operation dryer.

Control Device - Fisher-Klosterman Cyclone, Model XQ-465-60S

Essential Potential to Emit (PTE) Parameters

1. The maximum process rate shall not exceed 15,000 pounds per hour of green coffee beans.
[Rule 62-210.200, FAC, and Rule 2.301, JEPB]
2. The maximum heat input rate shall not exceed 16.80×10^6 Btu per hour or 16,000 cubic feet per hour of natural gas.
[Rule 62-210.200, FAC, and Rule 2.301, JEPB]
3. The nominal volumetric flow rate is 52,625 cubic feet per minute.
[Rule 62-210.200, FAC, and Rule 2.301, JEPB]
4. This emissions unit is allowed to operate continuously, i.e., 8,760 hours per year.
[Rule 62-210.200, FAC, and Rule 2.301, JEPB]

Emission Limitations and Standards

5. PM emissions shall not exceed 0.01 grain per dry standard cubic foot, 4.47 pounds per hour, and 19.56 tons per year.
[Applicant's Request, Rule 62-296.712(2), FAC, and Rule 2.1001, JEPB]
6. VE shall not exceed 5 percent opacity.
[Rule 62-296.712(2), FAC, and Rule 2.1001, JEPB]

Test Methods and Procedures

7. Testing for demonstration of compliance 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]
8. 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]
9. VE shall be tested annually from the date of May 1, 2007.
[Rule 62-4.070(3), FAC, and Rule 2.1301, JEPB]
10. PM shall be tested three (3) years from the date of May 1, 2007.
[Rule 62-4.070(3), FAC, and Rule 2.1301, JEPB]

Emissions Unit No. 551 – GFM Drying Zone 2

Emissions Unit Description - Green bean coffee flavor enhancing process operation dryer.

Control Device - Fisher-Klosterman Cyclone, Model XQ-465-49S

Essential Potential to Emit (PTE) Parameters

1. The maximum process rate shall not exceed 15,000 pounds per hour of green coffee beans.
[Rule 62-210.200, FAC, and Rule 2.301, JEPB]

2. The maximum heat input rate shall not exceed 5.25×10^6 Btu per hour or 5,000 cubic feet per hour of natural gas.
[Rule 62-210.200, FAC, and Rule 2.301, JEPB]
3. The nominal volumetric flow rate is 10,500 cubic feet per minute.
[Rule 62-210.200, FAC, and Rule 2.301, JEPB]
4. This emissions unit is allowed to operate continuously, i.e., 8,760 hours per year.
[Rule 62-210.200, FAC, and Rule 2.301, JEPB]

Emission Limitations and Standards

5. PM emissions shall not exceed 0.01 grain per dry standard cubic foot, 0.89 pound per hour, and 3.90 tons per year.
[Applicant's Request, Rule 62-296.712(2), FAC, and Rule 2.1001, JEPB]
6. VE shall not exceed 5 percent opacity.
[Rule 62-296.712(2), FAC, and Rule 2.1001, JEPB]

Test Methods and Procedures

7. Testing for demonstration of compliance 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]
8. 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]
9. VE shall be tested annually from the date of May 1, 2007.
[Rule 62-4.070(3), FAC, and Rule 2.1301, JEPB]
10. PM shall be tested three (3) years from the date of May 1, 2007.
[Rule 62-4.070(3), FAC, and Rule 2.1301, JEPB]

Emissions Unit No. 552 – GFM Drying Zone 3

Emissions Unit Description - Green bean coffee flavor enhancing process operation dryer.

Control Device - Fisher-Klosterman Cyclone, Model XQ-465-52S

Essential Potential to Emit (PTE) Parameters

1. The maximum process rate shall not exceed 15,000 pounds per hour of green coffee beans.
[Rule 62-210.200, FAC, and Rule 2.301, JEPB]
2. The maximum heat input rate shall not exceed 7.35×10^6 Btu per hour or 7,000 cubic feet per hour of natural gas.
[Rule 62-210.200, FAC, and Rule 2.301, JEPB]
3. The nominal volumetric flow rate is 39,475 cubic feet per minute.
[Rule 62-210.200, FAC, and Rule 2.301, JEPB]

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

Emission Limitations and Standards

5. PM emissions shall not exceed 0.01 grain per dry standard cubic foot, 3.35 pounds per hour, and 14.67 tons per year.
[Applicant's Request, Rule 62-296.712(2), FAC, and Rule 2.1001, JEPB]
6. VE shall not exceed 5 percent opacity.
[Rule 62-296.712(2), FAC, and Rule 2.1001, JEPB]

Test Methods and Procedures

7. Testing for demonstration of compliance 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]
8. 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]
9. VE shall be tested annually from the date of May 1, 2007.
[Rule 62-4.070(3), FAC, and Rule 2.1301, JEPB]
10. PM shall be tested three (3) years from the date of May 1, 2007.
[Rule 62-4.070(3), FAC, and Rule 2.1301, JEPB]

Emissions Unit No. 553 – Roasted Whole Bean Handling

Emissions Unit Description - Whole roasted beans are processed from the Probat Roasters through a bean separator, bean cooler and a bag loading operations.

Control Device - (2) MAC Model 72 FRT 52 Baghouses and (1) DFF Sprout-Matador Type 21/2400S Baghouse

Essential Potential to Emit (PTE) Parameters

1. The maximum process rate shall not exceed 20,000 pounds per hour of green coffee beans.
[Rule 62-210.200, FAC, and Rule 2.301, JEPB]
2. The nominal volumetric flow rate for each emissions point is as follows:

	Control Device	Cubic feet per minute
Bean separator	MAC Model 72 FRT 52	1,950
Bean cooler	DFF Type 21/2400S	2,400
Bag loading	MAC Model 72 FRT 52	1,950

[Rule 62-210.200, FAC, and Rule 2.301, JEPB]

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

Emission Limitations and Standards

4. Particulate matter (PM) emissions from the bean separator shall not exceed 0.016 grain per dry standard cubic foot, 0.27 pound per hour, and 1.17 tons per year.
[Applicant's Request, Rule 62-296.711(2), FAC, and Rule 2.1001, JEPB]
5. PM emissions from the bean cooler shall not exceed 0.017 grain per dry standard cubic foot, 0.35 pound per hour, and 1.53 tons per year.
[Applicant's Request, Rule 62-296.711(2), FAC, and Rule 2.1001, JEPB]
6. PM emissions from the bag loading operation shall not exceed 0.016 grain per dry standard cubic foot, 0.27 pound per hour, and 1.17 tons per year.
[Applicant's Request, Rule 62-296.711(2), FAC, and Rule 2.1001, JEPB]
7. Visible emissions (VE) from each emissions point shall not exceed 5 percent opacity.
[Rule 62-296.711(2), FAC, and Rule 2.1001, JEPB]

Test Methods and Procedures

8. Testing for demonstration of compliance shall be performed in accordance with EPA RM 5 (as described in 40 CFR 60, Appendix A) for particulate matter.
[Rule 62-297.310(4), FAC, and Rule 2.1101, JEPB]
9. 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 62-297.310(4)(a)2., FAC, and Rule 2.1101, JEPB]
10. VE shall be tested annually from the date of May 1, 2007.
[Rule 62-4.070(3), FAC, and Rule 2.1301, JEPB]
11. PM shall be tested three (3) years from the date of May 1, 2007.
[Rule 62-4.070(3), FAC, and Rule 2.1301, JEPB]

Emissions Unit No. 554 – Green Bean Storage

Emissions Unit Description - Green coffee beans are transferred from storage bins to two green bean cleaners prior to being airveyed to storage bunkers.

Control Device - (2) DFF Sprout-Matador Type 21/2400S Baghouses

Essential Potential to Emit (PTE) Parameters

1. The maximum process rate shall not exceed 50,000 pounds per hour of green coffee beans.
[Rule 62-210.200, FAC, and Rule 2.301, JEPB]
2. The nominal volumetric flow rate for each emissions point is 2,400 cubic feet per minute.
[Rule 62-210.200, FAC, and Rule 2.301, JEPB]
3. This emissions unit is allowed to operate continuously, i.e., 8,760 hours per year.
[Rule 62-210.200, FAC, and Rule 2.301, JEPB]

Emission Limitations and Standards

4. PM emissions (each emissions point) shall not exceed 0.017 grain per dry standard cubic foot, 0.35 pound per hour, and 1.53 tons per year.
[Applicant's Request, Rule 62-296.711(2), FAC, and Rule 2.1001, JEPB]
5. VE (each emissions point) shall not exceed 5 percent opacity.
[Rule 62-296.711(2), FAC, and Rule 2.1001, JEPB]

Test Methods and Procedures

6. Testing for demonstration of compliance shall be performed in accordance with EPA RM 5 (as described in 40 CFR 60, Appendix A) for particulate matter.
[Rule 62-297.310(4), FAC, and Rule 2.1101, JEPB]
7. 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 62-297.310(4)(a)2., FAC, and Rule 2.1101, JEPB]
8. VE shall be tested annually from the date of May 1, 2007.
[Rule 62-4.070(3), FAC, and Rule 2.1301, JEPB]
9. PM shall be tested three (3) years from the date of May 1, 2007.
[Rule 62-4.070(3), FAC, and Rule 2.1301, JEPB]