FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION

NORTHEAST DISTRICT
8800 BAYMEADOWS WAY WEST, SUITE 100
JACKSONVILLE, FLORIDA 32256

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LT. GOVERNOR

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SECRETARY

Permittee:
Kraft Foods Group, Inc., Maxwell House Coffee
735 East Bay Street
Jacksonville, FL 32202

Permit No.: 0310004-026-AC
Facility ID No.: 0310004
SIC No(s).: 20

This is the final air construction permit which authorizes an after-the-fact modification of the Gevalia Grinding and SIG-VAC Packaging Machine process with the reduction of the baghouse fan from 5,000 Cubic Feet per Minute (CFM) to 500 CFM and to update the allowable emissions, operating capacity, and process description for the Emission Unit No. 530. The permit also updates the descriptions for emission units EU 509, EU 513, EU 524, and EU 538, revises the rule reference for emission unit 559 particulate matter emissions and visible emissions, and changes the testing schedule for each emission unit to reflect "federal fiscal year" or "within twelve (12) months of permit renewal."

This work occurred at the Kraft Foods Group, Inc., Maxwell House Coffee facility which produces roasted coffee with batch and continuous roasters.

This facility is located at 735 East Bay Street, Jacksonville, Duval County, FL; UTM Coordinates: Zone 17, 437.54 km East and 3354.71 km North; Latitude: 30° 19' 27" North and Longitude: 81° 38' 53" West.

As noted in the Final Determination provided with this final permit, only minor changes and clarifications were made to the draft permit.

This final permit is organized by the following sections.

Section 1. General Information

Section 2. Administrative Requirements

Section 3. Emissions Unit Specific Conditions

Section 4. Appendices

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

This air pollution construction permit is issued under the provisions of: Chapter 403 of the Florida Statutes (F.S.) and Chapters 62-4, 62-204, 62-210, 62-212, 62-296 and 62-297 of the Florida Administrative Code (F.A.C.). The permittee is authorized to conduct the proposed work in accordance with the conditions of this permit. This project is subject to the general preconstruction review requirements in Rule 62-212.300, F.A.C. and is not subject to the preconstruction review requirements for major stationary sources in Rule 62-212.400, F.A.C. for the Prevention of Significant Deterioration (PSD) of Air Quality.

Upon issuance of this final permit, any party to this order has the right to seek judicial review of it under Section 120.68 of the Florida Statutes by filing a notice of appeal under Rule 9.110 of the Florida Rules of Appellate Procedure with the clerk of the Department of Environmental Protection in the Office of General Counsel (Mail Station #35, 3900 Commonwealth Boulevard, Tallahassee, Florida, 32399-3000) and by filing a copy of the notice of appeal accompanied by the applicable filing fees with the appropriate District Court of Appeal. The notice must be filed within 30 days after this order is filed with the clerk of the Department.

Executed in Jacksonville, Florida

DRAFT

Richard S. Rachal III, P.G.
Program Administrator
Waste and Air Resource Management Program

CERTIFICATE OF SERVICE

The undersigned duly designated deputy agency clerk hereby certifies that this Final Air Permit package (including the Final Determination and Final Permit) was sent by electronic mail (or a link to these documents made available electronically on a publicly accessible server) with received receipt requested before the close of business on _____ to the persons listed below.

Jay Waryold, Kraft Foods Group, Inc.: jwaryold@kraftfoods.com
Rick Brimo, Kraft Foods Group, Inc.: RBrimo@kraft.com
Stephen Alexander, P.E., Whitmer Environmental Services, Inc.: steveair57@yahoo.com
George Whitmer, Whitmer Environmental Services, Inc.: george@whitmerenv.com

Clerk Stamp

FILING AND ACKNOWLEDGMENT FILED, on this date, pursuant to Section 120.52(7), Florida Statutes, with the designated agency clerk, receipt of which is hereby acknowledged.

DRAFT

_____ _____
(Clerk) (Date)

Facility/Project Description

Kraft Foods Group, Inc., Maxwell House Coffee produces roasted coffee with batch and continuous roasters. The facility consists essentially of material handling, cleaning, roasting, cooling, grinding, and packaging operations.

Proposed Project

The purpose of this permit is to authorize an after-the-fact modification of the Gevalia Grinding and SIG-VAC Packaging Machine process with the reduction of the baghouse fan from 5,000 Cubic Feet per Minute (CFM) to 500 CFM and to update the allowable emissions, operating capacity, and process description for the Emission Unit No. 530. The permit also updates the descriptions for emission units EU 509, EU 513, EU 524, and EU 538, and changes the testing schedule for each emission unit to reflect "federal fiscal year" or "within twelve (12) months of permit renewal."

The following emissions units are modified as a result of this project:

E.U. ID No.	Brief Description
501	GFM Boiler
503	Thermalo Roasters
504	Probat Roasters
506	Batch Roasters
509	Hot Chaff System
510	(22) Bunkers
511	GFM Bunkers
512	Thermalo Green Bean Conveying System
513	Thermalo Cooling Cars
516	Probat Green Bean Feed System
517	Probat Destoner Cooling Cars
518	Probat Cold Chaff System
519	Probat Scales
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	Whole Roasted Bean Storage
530	Gevalia and SIG-VAC Packaging Machines
532	GFIC Sugar Unloading
533	GFIC Minors Dump Station Receiving
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

E.U. ID No.	Brief Description
550	GFM Drying Zone 1
551	GFM Drying Zone 2
552	GFM Drying Zone 3
559	Tassimo Green Bean Storage Tanks

FACILITY REGULATORY CLASSIFICATION

- The facility is a major source of air pollution because the potential emissions of at least one regulated air pollutant is greater than 100 tons per year pursuant to Chapter 62-210, F.A.C., and Rule 2.301, Jacksonville Environmental Protection Board (JEPB).
- The facility has no units subject to the acid rain provisions of the Clean Air Act (CAA).
- The facility is a Title V major source of air pollution in accordance with Chapter 213, F.A.C. and Rule 2.501, JEPB.
- The facility is not a major stationary source in accordance with Rule 62-212.400(PSD), F.A.C. and Rule 2.401, JEPB
- The facility is not a major source of hazardous air pollutants (HAP).

1. Permitting Authority & Compliance Authority: The permitting authority for this project is the Florida Department of Environmental Protection (Department), Northeast District Office, Waste and Air Resource Management, 8800 Baymeadows Way West, Suite 100, Jacksonville, FL 32256. All documents related to applications for permits to operate an emissions unit shall be submitted to the Northeast District Office, Waste and Air Resource Management Program.

   The compliance authority for this project is the Florida Department of Environmental Protection (Department), Northeast District Office, Compliance Assurance, 8800 Baymeadows Way West, Suite 100, Jacksonville, FL 32256. All documents related to compliance for an emissions unit shall be submitted to the Northeast District Office, Compliance Assurance.

   The Permitting Authority and Compliance Authority phone number is 904-256-1700.

2. Appendices: The following Appendices are attached as part of this permit:

   a. Appendix A. Citation Formats and Glossary of Common Terms;

   b. Appendix B. General Conditions;

   c. Appendix C. Common Conditions; and

   d. Appendix D. Common Testing Requirements.

3. Applicable Regulations, Forms and Application Procedures: Unless otherwise specified in this permit, the construction and operation of the subject emissions units shall be in accordance with the capacities and specifications stated in the application. The facility is subject to all applicable provisions of: Chapter 403, F.S.; and Chapters 62-4, 62-204, 62-210, 62-212, 62-213, 62-296 and 62-297, F.A.C. Issuance of this permit does not relieve the permittee from compliance with any applicable federal, state, or local permitting or regulations.

4. New or Additional Conditions: For good cause shown and after notice and an administrative hearing, if requested, the Department may require the permittee to conform to new or additional conditions. The Department shall allow the permittee a reasonable time to conform to the new or additional conditions, and on application of the permittee, the Department may grant additional time. [Rule 62-4.080, F.A.C.]

5. Modifications: The permittee shall notify the Compliance Authority upon commencement of construction. No new emissions unit shall be constructed and no existing emissions unit shall be modified without obtaining an air construction permit from the Department. Such permit shall be obtained prior to beginning construction or modification. [Rules 62-210.300(1) and 62-212.300(1)(a), F.A.C.]

6. Relation to Other Permits: The conditions of this permit supplements all other previously issued air construction and operation permits for these emissions units. These conditions are in addition to all other applicable permit conditions and regulatory requirements. The permittee shall continue to comply with the conditions of those permits, which include restrictions and standards regarding capacities, production, operation, fuels, emissions, monitoring, recordkeeping, reporting, and the like.
   [Rules 62-4.210, 62-4.030, and 62-210.300(1)(b), F.A.C.]

7. Source Obligation:

   (a) At such time that a particular source or modification becomes a major stationary source or major modification (as these terms were defined at the time the source obtained the enforceable limitation) solely by virtue of a relaxation in any enforceable limitation which was established after August 7, 1980, on the capacity of the source or modification otherwise to emit a pollutant, such as a restriction on hours of operation, then the requirements of subsections 62-212.400(4) through (12), F.A.C., shall apply to the source or modification as though construction had not yet commenced on the source or modification.

   (b) At such time that a particular source or modification becomes a major stationary source or major modification (as these terms were defined at the time the source obtained the enforceable limitation) solely by exceeding its projected actual emissions, then the requirements of subsections 62-212.400(4) through (12), F.A.C., shall apply to the source or modification as though construction had not yet commenced on the source or modification. [Rule 62-212.400(12), F.A.C.]

8. Permit Renewal Date: Permit Renewal Date means the expiration date of the latest Title V Air Operating permit.

The specific conditions in this section apply to the following emissions unit:

EU No.	Brief Description
501	Cleaver Brooks Model CD600 natural gas fired boiler. The boiler is used to generate steam and hot water for the green flavor modification process.

The following condition is being modified. All other conditions for this EU will be unchanged.

Test Methods and Procedures

1. **Visible Emissions- Test Frequency.** VE shall be tested within twelve (12) months of permit renewal date. [Rule 62-4.070(3), FAC, Rule 2.1401, JEPB, and Application No. 0310004-026-AC]

This section addresses the following emissions unit.

Emissions Unit Number	Brief Description
503	Thermalo Roasters: (2) batch coffee bean roasters controlled by 2 cyclones in series with an afterburner.

The following condition is being modified. All other conditions for this EU will be unchanged.

Test Methods and Procedures

1. **Particulate Matter Emissions and Visible Emissions- Test Frequency.** Particulate Matter Emissions and Visible Emissions shall be tested annually (alternating Roaster units), each federal fiscal year (October 1 – September 30).

   [Rule 62-297.310(4)(a)2., FAC, Rule 2.1401, JEPB, and Application No. 0310004-026-AC]

This section addresses the following emissions unit.

Emissions Unit Number	Brief Description
504	Probat Roasters: (10) batch coffee bean roasters controlled by 10 cyclones in series with an afterburner.

The following condition is being modified. All other conditions for this EU will be unchanged.

Test Methods and Procedures

1. **Particulate Matter Emissions and Visible Emissions- Test Frequency.** Particulate Matter Emissions and Visible Emissions shall be tested annually (alternating Roaster units), each federal fiscal year (October 1 – September 30).

   [Rule 62-297.310(4)(a)2., FAC, Rule 2.1401, JEPB, and Application No. 0310004-026-AC]

This section addresses the following emissions unit.

E.U. ID No.	Brief Description
506	Batch Roasters: (4) batch coffee bean roasters controlled by (4) cyclones in series with Enetex Catalytic Afterburners

The following condition is being modified. All other conditions for this EU will be unchanged.

Test Methods and Procedures

1. **Particulate Matter Emissions and Visible Emissions- Test Frequency.** Particulate Matter Emissions and Visible Emissions shall be tested annually (alternating Roaster units), each federal fiscal year (October 1 – September 30).

   [Rule 62-297.310(4)(a)2., FAC, Rule 2.1401, JEPB, and Application No. 0310004-026-AC]

This section addresses the following emissions units.

E.U. ID No.	Brief Description
509	Hot Chaff System: Pneumatically conveys hot chaff from the Probat green feed cyclone hoppers, the Probat roasters, and the destoner bins. One (1) afterburner is the control device.

The following conditions are being modified. All other conditions for this EU will be unchanged.

Test Methods and Procedures

1. **Particulate Matter Emissions - Test Frequency.** Particulate Matter Emissions shall be tested within twelve (12) months of permit renewal date.

   [Rule 62-297.310(4)(a)2., FAC, Rule 2.1401, JEPB, and Application No. 0310004-026-AC]

2. **Visible Emissions- Test Frequency.** VE shall be tested annually, each federal fiscal year (October 1 – September 30).

   [Rule 62-297.310(4)(a)2., FAC, Rule 2.1401, JEPB, and Application No. 0310004-026-AC]

Subsection F. Emissions Unit No. 510 Bunkers

This section addresses the following emissions units.

E.U. ID No.	Brief Description
510	Bunkers: (22) coffee bean storage bunkers controlled by a MAC Baghouse Model 120MCF112, Type III.

The following conditions are being modified. All other conditions for this EU will be unchanged.

Test Methods and Procedures

1. **Particulate Matter Emissions - Test Frequency.** Particulate Matter Emissions shall be tested within twelve (12) months of permit renewal date.

   [Rule 62-297.310(4)(a)2., FAC, Rule 2.1401, JEPB, and Application No. 0310004-026-AC]

2. **Visible Emissions- Test Frequency.** VE shall be tested annually, each federal fiscal year (October 1 – September 30).

   [Rule 62-297.310(4)(a)2., FAC, Rule 2.1401, JEPB, and Application No. 0310004-026-AC]

Subsection G. Emissions Unit No. 511 GFM Bunkers

This section addresses the following emissions units.

E.U. ID No.	Brief Description
511	GFM Bunkers: (3) coffee bean storage bunkers controlled by a Flex Kleen Model 84CTBC-24 Baghouse.

The following condition is being modified. All other conditions for this EU will be unchanged.

Test Methods and Procedures

1. **Visible Emissions- Test Frequency.** VE shall be tested annually, each federal fiscal year (October 1 – September 30).

   [Rule 62-297.310(4)(a)2., FAC, and Rule 2.1401, JEPB, Application No. 0310004-026-AC]

Subsection H. Emissions Unit No. 512 Thermalo Green Bean Conveying System

This section addresses the following emissions units.

E.U. ID No.	Brief Description
512	Thermalo Green Bean Conveying System: Pneumatically conveys green coffee beans to the Thermalo roasters. (2) cyclones in series with a Dracco Baghouse is the control device.

The following condition is being modified. All other conditions for this EU will be unchanged.

Test Methods and Procedures

1. **Visible Emissions- Test Frequency.** VE shall be tested annually, each federal fiscal year (October 1 – September 30).

   [Rule 62-4.070(3), FAC, Rule 2.1401, JEPB, and Application No. 0310004-026-AC]

Subsection I. Emissions Unit No. 513 Thermalo Cooling Cars

This section addresses the following emissions units.

E.U. ID No.	Brief Description
513	Thermalo Cooling Cars: Roasted beans from the two (2) Thermalo roasters are cooled in two (2) cooling cars prior to destoning. (2) cyclones in series is the control device.

The following conditions are being modified. All other conditions for this EU will be unchanged.

Test Methods and Procedures

1. **Particulate Matter Emissions - Test Frequency.** Particulate Matter Emissions shall be tested annually, each federal fiscal year (October 1 – September 30).

   [Rule 62-4.070(3), FAC, Rule 2.1401, JEPB, and Application No. 0310004-026-AC]

2. **Visible Emissions- Test Frequency.** VE shall be tested annually, each federal fiscal year (October 1 – September 30).

   [Rule 62-4.070(3), FAC, Rule 2.1401, JEPB, and Application No. 0310004-026-AC]

Subsection J. Emissions Unit No. 516 Probat Green Bean Feed System

This section addresses the following emissions units.

E.U. ID No.	Brief Description
516	Probat Green Bean Feed System: Pneumatically conveys green coffee beans to the Probat roasters. (10) cyclones in series with a Flex Kleen Baghouse is the control device.

The following condition is being modified. All other conditions for this EU will be unchanged.

Test Methods and Procedures

1. **Visible Emissions- Test Frequency.** VE shall be tested annually, each federal fiscal year (October 1 – September 30).

   [Rule 62-4.070(3), FAC, Rule 2.1401, JEPB, and Application No. 0310004-026-AC]

Subsection K. Emissions Unit No. 517 Probat Destoner Cooling Cars

This section addresses the following emissions units.

E.U. ID No.	Brief Description
517	Probat Destoner Cooling Cars: 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. (10) cyclones are the control device.

The following conditions are being modified. All other conditions for this EU will be unchanged.

Test Methods and Procedures

1. **Particulate Matter Emissions - Test Frequency.** Particulate Matter Emissions shall be tested annually on two (2) destoners (alternating units), each federal fiscal year (October 1 – September 30).

   [Rule 62-4.070(3), FAC, and Rule 2.1401, JEPB, and Application No. 0310004-026-AC]

2. **Visible Emissions- Test Frequency.** VE shall be tested annually on two (2) destoners, each federal fiscal year (October 1 – September 30).
   [Rule 62-4.070(3), FAC, and Rule 2.1401, JEPB, and Application No. 0310004-026-AC]

Subsection L. Emissions Unit No. 518 Probat Cold Chaff System

This section addresses the following emissions units.

E.U. ID No.	Brief Description
518	Probat Cold Chaff System: Pneumatically conveys cold chaff from the Probat roasters to the grounds pit. (1) one cyclone is the control device.

The following conditions are being modified. All other conditions for this EU will be unchanged.

Test Methods and Procedures

1. **Particulate Matter Emissions - Test Frequency.** Particulate Matter Emissions shall be tested within twelve (12) months of permit renewal date.
   [Rule 62-4.070(3), FAC, Rule 2.1401, JEPB, and Application No. 0310004-026-AC]

2. **Visible Emissions- Test Frequency.** VE shall be tested annually each federal fiscal year (October 1 – September 30).

   [Rule 62-4.070(3), FAC, Rule 2.1401, JEPB, and Application No. 0310004-026-AC]

Subsection M. Emissions Unit No. 519 Probat Scales

This section addresses the following emissions units.

E.U. ID No.	Brief Description
519	Probat Scales: Roasted beans are pneumatically conveyed to three (3) Probat scales for product weighing. (3) three cyclones are the control device.

The following conditions are being modified. All other conditions for this EU will be unchanged.

Test Methods and Procedures

1. **Particulate Matter Emissions - Test Frequency.** Particulate Matter Emissions shall be tested annually (alternating units), each federal fiscal year (October 1 – September 30).

   [Rule 62-4.070(3), FAC, Rule 2.1401, JEPB, and Application No. 0310004-026-AC]

2. **Visible Emissions- Test Frequency.** VE shall be tested annually (alternating units), each federal fiscal year (October 1 – September 30).

   [Rule 62-4.070(3), FAC, Rule 2.1401, JEPB, and Application No. 0310004-026-AC]

Subsection N. Emissions Unit No. 524 Batch Green Bean Storage Silos

This section addresses the following emissions units.

E.U. ID No.	Brief Description
524	Batch Green Bean Storage Silos: Pneumatically conveys beans to the blend before roasting silos (BBR-3). Kice Baghouse Model HR24-9H is the control device.

The following condition is being modified. All other conditions for this EU will be unchanged.

Test Methods and Procedures

1. **Visible Emissions- Test Frequency.** VE shall be tested annually, each federal fiscal year (October 1 – September 30).

   [Rule 62-4.070(3), FAC, Rule 2.1401, JEPB, and Application No. 0310004-026-AC]

Subsection O. Emissions Unit No. 525 Batch Roasters Green Bean Feed System

This section addresses the following emissions units.

E.U. ID No.	Brief Description
525	Batch Roasters Green Bean Feed System: Pneumatically conveys green coffee beans to the four (4) Batch roasters. Flex-Kleen Model 84-WRWS-48 Baghouse is the control device.

The following condition is being modified. All other conditions for this EU will be unchanged.

Test Methods and Procedures

1. **Visible Emissions- Test Frequency.** VE shall be tested annually, each federal fiscal year (October 1 – September 30).

   [Rule 62-4.070(3), FAC, Rule 2.1401, JEPB, and Application No. 0310004-026-AC]

Subsection P. Emissions Unit No. 526 Batch Cooling Cars

This section addresses the following emissions units.

E.U. ID No.	Brief Description
526	Batch Cooling Cars: Roasted beans from the four (4) Batch roasters are cooled in four (4) cooling cars prior to destoning. (4) Ducon Cyclones Model 700/330 are the control device.

The following condition is being modified. All other conditions for this EU will be unchanged.

Test Methods and Procedures

1. **Visible Emissions- Test Frequency.** VE shall be tested annually (alternating units), each federal fiscal year (October 1 – September 30).

   [Rule 62-4.070(3), FAC, Rule 2.1401, JEPB, and Application No. 0310004-026-AC]

Subsection Q. Emissions Unit No. 527 Batch Destoners

This section addresses the following emissions units.

E.U. ID No.	Brief Description
527	Batch Destoners: Four (4) destoners are used to remove stones and other waste from the roasted beans that were not removed in the initial cleaning process. (4) Flex-Kleen Model 100-WRWS-64 Baghouses are the control device.

The following condition is being modified. All other conditions for this EU will be unchanged.

Test Methods and Procedures

1. **Visible Emissions- Test Frequency.** VE shall be tested annually (alternating units), each federal fiscal year (October 1 – September 30).

   [Rule 62-4.070(3), FAC, Rule 2.1401, JEPB, and Application No. 0310004-026-AC]

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

This section addresses the following emissions units.

E.U. ID No.	Brief Description
528	BAR Systems Nos. 1, 2, and 3: Three (3) blend after roasting (BAR) pneumatic handling systems and silos, Whole Roasted Bean Storage Bunkers 17A and 17B, and Cyclones C2 and C3. (2) Flex-Kleen Model 100-WSTS-81 Baghouses are the control device.

The following condition is being modified. All other conditions for this EU will be unchanged.

Test Methods and Procedures

1. **Visible Emissions- Test Frequency.** VE shall be tested annually (alternating units), each federal fiscal year (October 1 – September 30).

   [Rule 62-4.070(3), FAC, Rule 2.1401, JEPB, and Application No. 0310004-026-AC]

Subsection S. Emissions Unit No. 529 Whole Roasted Bean Storage

This section addresses the following emissions units.

E.U. ID No.	Brief Description
529	Whole Roasted Bean Storage: Whole Roasted Bean Storage System batch processes, which includes Whole Roasted Bean Storage Bunkers 10, 11, 12, 13, 13A and 14, Cyclones B3 through B9, and Cyclone C1. A Flex-Kleen, Model WRBS-48 Baghouse is the control device.

The following condition is being modified. All other conditions for this EU will be unchanged.

Test Methods and Procedures

1. **Visible Emissions- Test Frequency.** VE shall be tested annually, each federal fiscal year (October 1 – September 30).

   [Rule 62-4.070(3), FAC, Rule 2.1401, JEPB, and Application No. 0310004-026-AC]

Subsection T. Emissions Unit No. 530 Gevalia and SIG-VAC Packaging Machines

This section addresses the following emissions units.

E.U. ID No.	Brief Description
530	Gevalia and SIG-VAC Packaging Machines: Gevalia beans are mechanically conveyed to the storage bin. The Gevalia line consists of one (1) grinder and one (1) packaging line. The SIG-VAC line consists of one (3) grinders and (1) packaging line. Minor emissions from the area vacuum cleaning system in Buildings 4 and 7 are added. Flex-Kleen, Model 84-WRBC-80 Baghouse is the control device for both packaging operations and the Buildings 4 and 7 vacuum cleaning systems

The following conditions are being modified. All other conditions for this EU will be unchanged.

Essential Potential to Emit (PTE) Parameters

1. **Permitted Capacity**. The maximum process rate shall not exceed 3,400 pounds per hour of ground coffee. [Rule 62-210.200, FAC, Rule 2.301, JEPB, and Application No. 0310004-026-AC]

Emission Limitations and Standards

2. **Particulate Matter Emissions**. PM emissions shall not exceed 0.011 grain per dry standard cubic foot, 0.047 pound per hour, and 0.206 tons per year.

   [Rule 62-296.700(2)(c), FAC, Rule 2.1101, JEPB, and Application No. 0310004-026-AC]

3. **Visible emissions.** VE emissions shall not exceed 5% opacity.

   [Rule 62-296.700(2)(c), FAC, and Rule 2.1101, JEPB; Permit No. 0310004-026-AC]

Test Methods and Procedures

4. **Particulate Matter Emissions - Test Frequency.** Particulate Matter Emissions shall be tested upon Department request.

   [Rule 62-4.070(3), FAC, Rule 2.1401, JEPB, and Application No. 0310004-026-AC]

4. **Visible Emissions- Test Frequency.** VE shall be tested annually, each federal fiscal year (October 1 – September 30).

   Rule 62-4.070(3), FAC, Rule 2.1401, JEPB, and Application No. 0310004-026-AC]

Subsection U. Emissions Unit No. 532 GFIC Sugar Unloading

This section addresses the following emissions units.

E.U. ID No.	Brief Description
532	GFIC Sugar Unloading: International coffee ingredients sugar unloading station. A Shick Tube-veyor Bin Vent, Model 58AJ25 B is the control device.

The following condition is being modified. All other conditions for this EU will be unchanged.

Test Methods and Procedures

1. **Visible Emissions- Test Frequency.** VE shall be tested annually, each federal fiscal year (October 1 – September 30).

   Rule 62-4.070(3), FAC, Rule 2.1401, JEPB, and Application No. 0310004-026-AC]

Subsection V. Emissions Unit No. 533 GFIC Minors Dump Station Receiving

This section addresses the following emissions units.

E.U. ID No.	Brief Description
533	GFIC Minors Dump Station Receiving: International coffee minor ingredients handling process. An IAC Bin Vent Model FRIP-AZ-4 is the control device.

The following condition is being modified. All other conditions for this EU will be unchanged.

Test Methods and Procedures

1. **Visible Emissions- Test Frequency.** VE shall be tested annually, each federal fiscal year (October 1 – September 30).

   [Rule 62-4.070(3), FAC, Rule 2.1401, JEPB, and Application No. 0310004-026-AC]

Subsection W. Emissions Unit No. 534 GFIC Majors Dump Station Receiving

This section addresses the following emissions units.

E.U. ID No.	Brief Description
534	GFIC Majors Dump Station Receiving: International coffee major ingredients handling process. A Flex Kleen Baghouse is the control device.

The following conditions are being modified. All other conditions for this EU will be unchanged.

Test Methods and Procedures

1. **Particulate Matter Emissions - Test Frequency.** Particulate Matter Emissions shall be tested annually, each federal fiscal year (October 1 – September 30).

   [Rule 62-4.070(3), FAC, Rule 2.1401, JEPB, and Application No. 0310004-026-AC]

2. **Visible Emissions- Test Frequency.** VE shall be tested annually, each federal fiscal year (October 1 – September 30).

   [Rule 62-4.070(3), FAC, Rule 2.1401, JEPB, and Application No. 0310004-026-AC]

Subsection X. Emissions Unit No. 535 GFIC Finished Mix

This section addresses the following emissions units.

E.U. ID No.	Brief Description
535	GFIC Finished Mix: International coffee finished mix handling process. An AZO Bin Vent Model F500-65 is the control device.

The following condition is being modified. All other conditions for this EU will be unchanged.

Test Methods and Procedures

1. **Visible Emissions- Test Frequency.** VE shall be tested annually, each federal fiscal year (October 1 – September 30).

   [Rule 62-4.070(3), FAC, Rule 2.1401, JEPB, and Application No. 0310004-026-AC]

Subsection Y. Emissions Unit No. 536 GFM Surge Bins

This section addresses the following emissions units.

E.U. ID No.	Brief Description
536	GFM Surge Bins: Green bean coffee processing operation utilizing surge bins, weight bin, and scale. A Flex-Kleen Model 45-PVTL-16 Baghouse is the control device.

The following condition is being modified. All other conditions for this EU will be unchanged.

Test Methods and Procedures

1. **Visible Emissions- Test Frequency.** VE shall be tested annually, each federal fiscal year (October 1 – September 30).

   [Rule 62-4.070(3), FAC, Rule 2.1401, JEPB, and Application No. 0310004-026-AC]

Subsection Z. Emissions Unit No. 537 GFM Bean Separator

This section addresses the following emissions units.

E.U. ID No.	Brief Description
537	GFM Bean Separator: Green bean coffee processing operation feed system. A Hoffman Pulse Air Dust Collector Model GS-5578 is the control device.

The following conditions are being modified. All other conditions for this EU will be unchanged.

Test Methods and Procedures

1. **Particulate Matter Emissions - Test Frequency.** Particulate Matter Emissions shall be tested within twelve (12) months of permit renewal date.

   [Rule 62-4.070(3), FAC, Rule 2.1401, JEPB, and Application No. 0310004-026-AC]

2. **Visible Emissions- Test Frequency.** VE shall be tested annually, each federal fiscal year (October 1 – September 30).

   [Rule 62-4.070(3), FAC, Rule 2.1401, JEPB, and Application No. 0310004-026-AC]

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Subsection AA. Emissions Unit No. 538 GFM Process

This section addresses the following emissions units.

E.U. ID No.	Brief Description
538	GFM Process: 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.

The following conditions are being modified. All other conditions for this EU will be unchanged.

Test Methods and Procedures

1. **Particulate Matter Emissions - Test Frequency.** Particulate Matter Emissions shall be tested within twelve (12) months of permit renewal date.

   [Rule 62-4.070(3), FAC, Rule 2.1401, JEPB, and Application No. 0310004-026-AC]

2. **Visible Emissions- Test Frequency.** VE shall be tested annually, each federal fiscal year (October 1 – September 30).

   [Rule 62-4.070(3), FAC, Rule 2.1401, JEPB, and Application No. 0310004-026-AC]

Subsection BB. Emissions Unit No. 539 Green Coffee Silos

This section addresses the following emissions units.

E.U. ID No.	Brief Description
539	Green Coffee Silos: 2) green coffee bean storage silos. Two cyclones are the control device.

The following conditions are being modified. All other conditions for this EU will be unchanged.

Test Methods and Procedures

1. **Particulate Matter Emissions - Test Frequency.** Particulate Matter Emissions shall be tested (alternating units) within twelve (12) months of permit renewal date.

   [Rule 62-4.070(3), FAC, Rule 2.1401, JEPB, and Application No. 0310004-026-AC]

2. **Visible Emissions- Test Frequency.** VE shall be tested annually (alternating units), each federal fiscal year (October 1 – September 30).

   [Rule 62-4.070(3), FAC, Rule 2.1401, JEPB, and Application No. 0310004-026-AC]

Subsection CC. Emissions Unit No. 540 Green Coffee Silo Airveying

This section addresses the following emissions units.

E.U. ID No.	Brief Description
540	Green Coffee Silo Airveying: Pneumatically conveys coffee beans to the Green Coffee Silos. (4) four cyclones are the control device.

The following conditions are being modified. All other conditions for this EU will be unchanged.

Test Methods and Procedures

1. **Particulate Matter Emissions - Test Frequency.** Particulate Matter Emissions shall be tested (alternating units) within twelve (12) months of permit renewal date.

   [Rule 62-4.070(3), FAC, Rule 2.1401, JEPB, and Application No. 0310004-026-AC]

2. **Visible Emissions- Test Frequency.** VE shall be tested annually (alternating units), each federal fiscal year (October 1 – September 30).

   [Rule 62-4.070(3), FAC, Rule 2.1401, JEPB, and Application No. 0310004-026-AC]

Subsection DD. Emissions Unit No. 550 GFM Drying Zone 1

This section addresses the following emissions units.

E.U. ID No.	Brief Description
550	GFM Drying Zone 1: Green bean coffee flavor enhancing process operation dryer. Fisher-Klosterman Cyclone, Model XQ-465-60S is the control device.

The following conditions are being modified. All other conditions for this EU will be unchanged.

Test Methods and Procedures

1. **Particulate Matter Emissions - Test Frequency.** Particulate Matter Emissions shall be tested within twelve (12) months of permit renewal date.

   [Rule 62-4.070(3), FAC, Rule 2.1401, JEPB, and Application No. 0310004-026-AC]

2. **Visible Emissions- Test Frequency.** VE shall be tested annually, each federal fiscal year (October 1 – September 30).

   [Rule 62-4.070(3), FAC, Rule 2.1401, JEPB, and Application No. 0310004-026-AC]

Subsection EE. Emissions Unit No. 551 GFM Drying Zone 2

This section addresses the following emissions units.

E.U. ID No.	Brief Description
551	GFM Drying Zone 2: Green bean coffee flavor enhancing process operation dryer. Fisher-Klosterman Cyclone, Model XQ-465-49S is the control device.

The following conditions are being modified. All other conditions for this EU will be unchanged.

Test Methods and Procedures

1. **Particulate Matter Emissions - Test Frequency.** Particulate Matter Emissions shall be tested within twelve (12) months of permit renewal date.

   [Rule 62-4.070(3), FAC, Rule 2.1401, JEPB, and Application No. 0310004-026-AC]

2. **Visible Emissions- Test Frequency.** VE shall be tested annually, each federal fiscal year (October 1 – September 30).

   [Rule 62-4.070(3), FAC, Rule 2.1401, JEPB, and Application No. 0310004-026-AC]

Subsection FF. Emissions Unit No. 552 GFM Drying Zone 3

This section addresses the following emissions units.

E.U. ID No.	Brief Description
552	GFM Drying Zone 3: Green bean coffee flavor enhancing process operation dryer. Fisher-Klosterman Cyclone, Model XQ-465-52S is the control device.

The following conditions are being modified. All other conditions for this EU will be unchanged.

Test Methods and Procedures

1. **Particulate Matter Emissions - Test Frequency.** Particulate Matter Emissions shall be tested within twelve (12) months of permit renewal date.

   [Rule 62-4.070(3), FAC, Rule 2.1401, JEPB, and Application No. 0310004-026-AC]

2. **Visible Emissions- Test Frequency.** VE shall be tested annually, each federal fiscal year (October 1 – September 30).

   [Rule 62-4.070(3), FAC, Rule 2.1401, JEPB, and Application No. 0310004-026-AC]

Subsection KK. Emissions Unit No. 559 Tassimo Green Bean Storage Tanks

This section addresses the following emissions units.

E.U. ID No.	Brief Description
559	Tassimo Green Bean Storage Tanks: Tassimo green beans are mechanically conveyed from two (2) storage tanks and into Silo #2. A Tassimo Cyclone is the control device.

The following conditions are being modified. All other conditions for this EU will be unchanged.

Test Methods and Procedures

1. **Particulate Matter Emissions**. PM emissions shall not exceed 0.03 grains per dry standard cubic foot, 0.06 pounds per hour and 0.28 tons per year.

   [Rule 62-296.700(2)(c), FAC, and Rule 2.1101, JEPB; Permit No. 0310004-020-AC, Permit No. 0310004-026-AC]

2. **Visible emissions.** VE shall be limited to 5 percent opacity.
   [Rule 62-297.620(4), FAC, and Rule 2.1201, JEPB; Permit No. 0310004-020-AC, Permit No. 0310004-026-AC]