Kraft Foods Global, Inc.
Maxwell House Coffee

Facility ID No.: 0310004
Duval County

Title V Air Operation Permit Revision

Permit No.: 0310004-028-AV
Revision of Title V Air Operation Permit No.: 0310004-027-AV

Draft/Proposed

Permitting Authority:

State of Florida
Department of Environmental Protection

Northeast District Office
Waste and Air Resource Management Program
8800 Baymeadows Way West, Suite 100
Jacksonville, Florida 32256
Telephone: 904/256-1700
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Title V Air Operation Permit Revision
Permit No. 0310004-028-AV

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FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION

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

RICK SCOTT
GOVERNOR

CARLOS LOPEZ-CANTERA
LT. GOVERNOR

JONATHAN P. STEVERSON
SECRETARY

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

Permit No.: 0310004-028-AV
Facility ID No.: 0310004
Title V Air Operation Permit Revision

The purpose of this permit is to revise the Title V Air Operation Permit No. 0310004-027-AV by incorporating the terms and conditions of Air Construction Permit No. 0310004-025-AC which authorizes the modification of the Gevalia and Tassimo Roasted Bean Processing Systems to include the addition of Emission Unit No. 562 for the installation of three Decaff Bins each controlled by a Farr Gold Series 2 Bin Vent Filter for the storage of Gevalia decaffeinated green beans, the addition of Emission Unit No. 563 for the installation of a Green Silo Decaff #5 and a Farr Gold Series 2 Dust Collector for the storage of Gevalia decaffeinated green beans, the addition of Emissions Unit No. 564 for the installation of a Green Silo Caff #4 and a Farr Gold Series 2 Dust Collector for the storage of Gevalia or Tassimo caffeinated green beans, and the addition of Emission Unit No. 565 for the installation of two Probat Premium Destoners and a Farr Gold Series 12SQ Baghouse for the handling of roasted Gevalia/Tassimo beans.

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° 38’ 53” West..

The Title V air operation permit is issued under the provisions of Chapter 403, Florida Statutes (F.S.), and Florida Administrative Code (F.A.C.) Chapters 62-4, 62-210, 62-213. The above named permittee is hereby authorized to operate the facility in accordance with the terms and conditions of this permit.

Effective Date:	December 30, 2012
Revision Effective Date:	**xx/xx/xxxx**
Renewal Application Due Date:	May 19, 2017
Expiration Date:	December 30, 2017

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

RSR:yke

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.

Subsection B. Summary of Emissions Units

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
550	GFM Drying Zone 1
551	GFM Drying Zone 2
552	GFM Drying Zone 3
555	Fire Pump Diesel Engine

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E.U. ID No.	Brief Description
556	BARs 1 and 2 Mixers
557	Gevalia Green Bean Storage Tanks
558	Process Dust Baghouse
559	Tassimo Green Bean Storage Tanks
560	Gevalia/Tassimo Destoners
561	Hammer Mills
562	(3) Decaff Bins each controlled with a Bin Vent Filter
563	Green Silo Decaff #5 controlled with Dust Collector
564	Green Silo Caff #4 controlled with Dust Collector
565	(2) Probat Premium Destoners controlled with a Baghouse

Subsection C. Applicable Regulations.

Based on the Title V air operation permit revision application received December 22, 2014, this facility is not a major source of hazardous air pollutants (HAP.) The existing facility is not a PSD major source of air pollutants in accordance with Rule 62-212.400, F.A.C. A summary of applicable regulations is shown in the following table.

Regulation	EU No (s).
City of Jacksonville Ordinance Code, Title X, Chapter 360 [Environmental Regulation], Chapter 362 [Air and Water Pollution], Chapter 376 [Odor Control], JEPB Rule 1 [Final Rules with Respect to Organization, Procedure, and Practice]; JEPB Rule 2, Parts I through VII, and Parts IX through XIV	All
State Rule 62-296.406, F.A.C.	501
40 CFR 60 Subpart Dc Standards of Performance for Small Industrial-Commercial-Institutional Steam Generating Units,	501
40 CFR 60, Subpart IIII, Standards of Performance for Stationary Compression Ignition Internal Combustion Engines	555
40 CFR 60, Subpart A, General Provisions	501, 555
40 CFR 63, Subpart ZZZZ, National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines	555
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Rule 62-296.700, F.A.C.	503, 504, 506, 509, 511, 524, 525, 526, 527, 528, 530, 532, 533, 535, 559, 562, 563, 564, 565
Rule 62-296.711, F.A.C.	512, 513, 516, 517, 518, 519, 529, 534, 536, 537, 539, 540, 556, 557, 558, 560, 561 562, 563, 564, 565
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SECTION II. FACILITY-WIDE CONDITIONS.

The following conditions apply facility-wide to all emission units and activities:

FW1. Appendices. The permittee shall comply with all documents identified in Section IV, Appendices, listed in the Table of Contents. Each document is an enforceable part of this permit unless otherwise indicated.

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

FW2. When appropriate, any recording, monitoring, or reporting requirements that are time-specific shall be in accordance with the effective date of the permit, which defines day one.

[Rule 62-213.440, F.A.C.; and Rule 2.501, JEPB]

FW3. 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].

FW4. The facility shall be subject to JEPB Rule 2, Parts I through VII, and Parts IX through XIV.

Emissions and Controls

FW5. Objectionable Odor Prohibited. No person shall cause, suffer, allow or permit the discharge of air pollutants, which cause or contribute to an objectionable odor. An "objectionable odor" means any odor present in the outdoor atmosphere which by itself or in combination with other odors, is or may be harmful or injurious to human health or welfare, which unreasonably interferes with the comfortable use and enjoyment of life or property, or which creates a nuisance.

[Rule 62-296.320(2) and 62-210.200(Definitions), F.A.C.; and Rule 2.1101, JEPB; Permit No. 0310004-020-AC]

FW6. General Volatile Organic Compounds (VOC) Emissions or Organic Solvents (OS) Emissions. The permittee shall allow no person to store, pump, handle, process, load, unload or use in any process or installation, volatile organic compounds or organic solvents without applying known and existing vapor emission control devices or systems deemed necessary and ordered by the Department.

[Rule 62-296.320(1), F.A.C. and Rule 2.1101, JEPB]

{Permitting Note: Nothing is deemed necessary and ordered at this time.}

FW7. General Visible Emissions. No person shall cause, let, permit, suffer or allow to be discharged into the atmosphere the emissions of air pollutants from any activity equal to or greater than 20% opacity. EPA Method 9 is the method of compliance pursuant to Chapter 62-297, F.A.C. This regulation does not impose a specific testing requirement. [Rule 62-296.320(4)(b)1. and 4., F.A.C., and Rule 2.1101, JEBP]

FW8. Unconfined Particulate Matter. No person shall cause, let, permit, suffer or allow the emissions of unconfined particulate matter from any activity, including vehicular movement; transportation of materials; construction; alteration; demolition or wrecking; or industrially related activities such as loading, unloading, storing or handling; without taking reasonable precautions to prevent such emissions. Reasonable precautions to prevent emissions of unconfined particulate matter at this facility include the following requirements:

- Reduced speed for vehicular traffic.
- Use of dust suppressants or wetting agents.

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- Use of paving or other asphaltic materials.
- Removal of particulate matter from paved roads and/or other paved areas by vacuum cleaning or wetting prior to sweeping.
- Covering of trucks, trailers, front end loaders and other vehicles or containers to prevent spillage of articulate 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.
- Enclosure or covering of conveyor systems.
- Sprinkling or otherwise wetting or conveyor systems

[Rule 62-296.320(4)(c), F.A.C. and Rule 2.1101, JEPB; Applicant submittal" Precautions to Prevent Unconfined Particulate Matter"]

Annual Reports and Fees

See Appendix RR, Facility-wide Reporting Requirements for additional details.

FW9. Electronic Annual Operating Report and Title V Annual Emissions Fees. The information required by the Annual Operating Report for Air Pollutant Emitting Facility [Including Title V Source Emissions Fee Calculation] (DEP Form No. 62-210.900(5)) shall be submitted by April 1 of each year, for the previous calendar year, to the Department of Environmental Protection's Division of Air Resource Management. Each Title V source shall submit the annual operating report using the DEP's Electronic Annual Operating Report (EAOR) software, unless the Title V source claims a technical or financial hardship by submitting DEP Form No. 62-210.900(5) to the DEP Division of Air Resource Management instead of using the reporting software. Emissions shall be computed in accordance with the provisions of subsection 62-210.370(2), F.A.C. Each Title V source must pay between January 15 and April 1 of each year an annual emissions fee in an amount determined as set forth in subsection 62-213.205(1), F.A.C. The annual fee shall only apply to those regulated pollutants, except carbon monoxide and greenhouse gases, for which an allowable numeric emission-limiting standard is specified in the source's most recent construction permit or operation permit. Upon completing the required EAOR entries, the EAOR Title V Fee Invoice can be printed by the source showing which of the reported emissions are subject to the fee and the total Title V Annual Emissions Fee that is due. The submission of the annual Title V emissions fee payment is also due (postmarked) by April 1st of each year. A copy of the system-generated EAOR Title V Annual Emissions Fee Invoice and the indicated total fee shall be submitted to: **Major Air Pollution Source Annual Emissions Fee, P.O. Box 3070, Tallahassee, Florida 32315-3070.** Additional information is available by accessing the Title V Annual Emissions Fee On-line Information Center at the following Internet web site: http://www.dep.state.fl.us/air/emission/tvfee.htm. [Rules 62-210.370(3), 62-210.900 & 62-213.205, F.A.C.; and, §403.0872(11), Florida Statutes (2013); and Rule 2.301, JEPB; Rule 2.501, JEPB]

{Permitting Note: Resources to help you complete your AOR are available on the electronic AOR (EAOR) website at: http://www.dep.state.fl.us/air/emission/eaor. If you have questions or need assistance after reviewing the information posted on the EAOR website, please contact the Department by phone at (850) 717-9000 or email at eaor@dep.state.fl.us.}

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{Permitting Note: The Title V Annual Emissions Fee form (DEP Form No. 62-213.900(1)) has been repealed. ***A separate Annual Emissions Fee form is no longer required to be submitted by March 1st each year.****}*

FW10. Annual Statement of Compliance. The permittee shall submit an annual statement of compliance to the compliance authority at the address shown on the cover of this permit within 60 days after the end of each calendar year during which the Title V permit was effective.

[Rules 62-213.440(3)(a)2. & 3. and (3)(b), F.A.C.; and Rule 2.501, JEPB]

FW11. Prevention of Accidental Releases (Section 112(r) of CAA). If, and when, the facility becomes subject to 112(r), the permittee shall:

a. Submit its Risk Management Plan (RMP) to the Chemical Emergency Preparedness and Prevention Office (CEPPO) RMP Reporting Center. Any Risk Management Plans, original submittals, revisions or updates to submittals, should be sent electronically through EPA's Central Data Exchange system at the following address: https://cdx.epa.gov. Information on electronically submitting risk management plans using the Central Data Exchange system is available at: http://www.epa.gov/osweroe1/content/rmp/index.htm. The RMP Reporting Center can be contacted at: RMP Reporting Center, Post Office Box 10162, Fairfax, VA 22038, Telephone: (703) 227-7650.

b. Submit to the permitting authority Title V certification forms or a compliance schedule in accordance with Rule 62-213.440(2), F.A.C.

[40 CFR 68]

FW12. 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 Permitting Authority 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 2.1401, 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(1), (4), and (6), FAC, and Rule 2.201, JEPB]

FW13. Emission Units subject to RACT must use applicable monthly operation and maintenance plan found in Appendix RACT

[Rule 62-296.700, FAC and Rule 2.1201, JEPB]

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Subsection Y. Emissions Unit No. 536 GFM Surge Bins & Emissions Unit No. 562 (3) Decaff Bins

In order to provide better customer service and enhance the permitting experience in the Draft/Proposed permit only the emission unit(s) (EU) which are changed in the revision are listed in Section III. EMISSIONS UNITS AND SPECIFIC CONDITIONS. {*Permitting Note: red font double underlined indicates items added.*}

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.
562	(3) Decaff Bins -- Premium decaffeinated Gevalia green beans are delivered into the plant in superbags. The superbags are transported by fork lifts and dumped into hoppers where they are pneumatically conveyed to one of three decaff bins. The control device on each bin is a Farr GS2 Bin Vent Filter. The conveyor is design limited to a single blower and therefore can service only one of the three bins at any given time. Particulate matter (PM) emissions from each Decaff Bin is controlled by a Farr GS2 Bin Vent Filter

These emissions units are subject to the requirements of Rule 62-296.700, F.A.C., and Rule 2.1101, JEPB, Reasonably Available Control Technology (RACT) Particulate Matter; and Rule 62-296.711, F.A.C. and Rule 2.1101, JEPB, Materials Handling, Sizing, Screening, Crushing and Grinding Operations.

Essential Potential to Emit (PTE) Parameters

Y.1. Permitted Capacity. The maximum process rate for each bin shall not exceed the permitted rates of green coffee beans as stated below:

E.U	**Maximum Process Rate(lb/hr)**	**Baghouse Volumetric Flow Rate (ft^3/min)**
536	15,000	964
562	30,000[1]	630

[1] Only one of the three bins is allowed to operate at any one time due to the conveyor system design limitation of a single blower.

[Rule 62-210.200, FAC, and Rule 2.301, JEPB; Permit No. 0310004-021-AC and 0310004-025-AC]

Y.2. Hours of Operation: These emissions units are allowed to operate continuously, i.e., 8,760 hours per year.

[Rule 62-210.200(PTE), FAC, and Rule 2.301, JEPB]

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Y.3. **Control Unit:** Emissions unit control shall be in operation at all times during operation of the emissions units.

[Rule 62-210.700(1), F.A.C, Rule 62-4.070(3) F.A.C, Permit No. 0310004-025-AC]

Emission Limitations and Standards

{Permitting note: The attached Table 1, Summary of Air Pollutant Standards and Terms, summarizes information for convenience purposes only. This table does not supersede any of the terms or conditions of this permit.}

Unless otherwise specified, the averaging times for Specific Conditions **Y.3.-Y.4**. are based on the specified averaging time of the applicable test method.

Y.4a. **Particulate Matter Emissions (EU536):** PM emissions shall not exceed 0.03 grain per dry standard cubic foot, 0.25 pound per hour, and 1.10 tons per year for EU536.

[Rule 62-296.711(2), FAC, Rule 2.1101, and JEPB]

Y.4b. **Particulate Matter Emissions (EU562):** PM emissions shall not exceed 0.03 grain per dry standard cubic foot, and equivalent emissions 0.162 pounds per hour and 0.71 tons per year for EU562.

[Rule 62-296.711(2), FAC, Rule 2.1101, JEPB and Permit No. 0310004-025-AC]

Y.5. **Visible emissions;** VE (from each bin control) shall not exceed 5 percent opacity.

[Rule 62-296.711(2), FAC, and Rule 2.1101, JEPB]

Test Methods and Procedures

{Permitting note: The attached Table 2, Summary of Compliance Requirements, summarizes information for convenience purposes only. This table does not supersede any of the terms or conditions of this permit.}

Y.6. **Particulate Matter Emissions- Test Method:** Compliance with Condition Y.4. shall be determined by a visible emissions test indicating no visible emissions (5 percent opacity) from each control unit in lieu of a Particulate Matter (PM) emissions stack test.

Testing for demonstration of compliance for PM emissions shall be performed, in accordance with EPA RM 5 (as described in 40 CFR 60, Appendix A) for the determination of the PM concentration. The minimum sample volume shall be 30 dry standard cubic feet.

[Rule 62-296.711(3)(b), 62-204.800(8)(e)3. F.A.C.; and Rules 2.1101, and 2.201 JEPB and Permit No. 0310004-025-AC]

Y.7. **Visible Emissions- Test Method:** 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.

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[62-297.310(4)(a)2, 296.711(3)(a). and 62-204.800(8)(e)4., F.A.C., and Rules 2.1201 and 2.201, JEPB]

Y.8. Particulate Matter Emissions - Test Frequency: Particulate Matter Emissions shall be tested upon Department request.

[Rule 62-296.711(3), FAC, and Rule 2.1101, JEPB]

Y.9a. Visible Emissions- Test Frequency (EU536): VE shall be tested annually, each federal fiscal year (October 1 – September 30).

Y.9b. Visible Emissions- Test Frequency (EU562). VE shall be tested annually, each federal fiscal year (October 1 – September 30). The three Decaff bins are identical with the same make and model air pollution control device. As such, subsequent annual VE testing may be conducted such that each bin is tested on a three year basis so that all three bins are not required to be tested in a given year. (i.e. initial test, Bin "A" is tested, Subsequent Year 1 Bin "B" is tested, Subsequent Year 2, Bin "C" is tested, Subsequent Year 3, Bin "A" is tested, and so on).

[Rules 62-4.070(3), 62-297.310(4)(a)2., 62-297.310(7)(a)1., F.A.C., and Rules 2.1401 and 2.1201, JEPB; Permit No. 0310004-025-AC and Permit No. 0310004-026-AC]

Recordkeeping and Reporting Requirements

Y.10. Other Reporting Requirements. See Appendix RR, Facility-Wide Reporting Requirements, for additional reporting requirements.

Y.11. The facility is subject to the Operation and Maintenance Plan in the attached Combined Appendices.

[Rule 62-296.700(6), FAC, Rule 2.1101, JEPB and Permit No. 0310004-025-AC]

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Subsection LL. Emissions Unit No. 560 Gevalia/Tassimo Destoners & Emissions Unit No. 565 Probat Premium Destoners

This section addresses the following emissions units.

E.U. ID No.	Brief Description
560	Gevalia/Tassimo Destoners: Two (2) new destoners will replace the existing destoners to remove stones and other waste that were not removed in the initial cleaning process, from the roasted Gevalia and/or Tassimo beans. Particulate matter (PM) from both of the destoners are controlled with a single, Farr Gold Series® Dust Collector, Model GS8, manufactured by Camfil.
565	Two (2) new Probat Premium Destoners to remove stones and other waste that were not removed by the initial cleaning process, from the roasted Gevalia and/or Tassimo beans. The destoners use air to "float" the beans causing the *stones* or *heavies* to drop out. The coffee beans are then directed to the Premium Whole Roasted Bean Silos Nos. 1 -8 for storage until they are conveyed for further processing. Particulate matter (PM) emissions from both of the destoners will be controlled with a single Farr Gold Series 12SQ Standard Baghouse.

These emissions units are subject to the requirements of Rule 62-296.700, F.A.C., and Rule 2.1101, JEPB, Reasonably Available Control Technology (RACT) Particulate Matter; and Rule 62-296.711, F.A.C. and Rule 2.1101, JEPB, Materials Handling, Sizing, Screening, Crushing and Grinding Operations.

Essential Potential to Emit (PTE) Parameters

LL.1. Permitted Capacity. The maximum process rate for each destoner shall not exceed the permitted rates of coffee beans as stated below:

E.U	Maximum Process Rate(lb/hr)	Baghouse Volumetric Flow Rate(ft^3/min)
560	4,000	8,000
565	10,000[1]	3800

[1] Based on the initial demonstration of compliance test conducted November 24, 2014 for EU565 (2) new probat premium destoners in accordance with Rule 62-297.310(2), F.A.C. the maximum process rate for EU565 shall be limited to no more than 3465 pounds per hour[2] coffee beans. The facility may increase the operating rate up to the maximum permitted process rate pursuant to this rule (see Appendix TR, Condition 2).

[2] Equals 110 percent of the pound per hour operation rate during the November 24, 2014 compliance test.

[Rules 62-4.070(3), 62-4.160(2), 62-210.200(PTE), 62-297.310(2), F.A.C. Rule 2.1201, 2.301, JEPB; and Permit No. 0310004-021-AC ,Permit No. 0310004-025-AC]

LL.2. Hours of Operation: This emissions unit is allowed to operate continuously, i.e., 8,760 hours per year.

[Rule 62-210.200(PTE), FAC, Rule 2.301, JEPB; Permit No. 0310004-021-AC and 0310004-025-AC]

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LL.3. Control Unit: The control unit shall be in operation at all times during operation of the emissions unit.

[Rule 62-210.700(1), F.A.C, Rule 62-4.070(3) F.A.C, Permit No. 0310004-025-AC]

Emission Limitations and Standards

{Permitting note: The attached Table 1, Summary of Air Pollutant Standards and Terms, summarizes information for convenience purposes only. This table does not supersede any of the terms or conditions of this permit.}

Unless otherwise specified, the averaging times for Specific Conditions **LL.4 . -LL 5** are based on the specified averaging time of the applicable test method.

LL.4a. Particulate Matter Emissions (EU560): PM emissions (from baghouse) shall not exceed 0.03 grains per dry standard cubic foot, equivalent emissions 2.06 pounds per hour and 9.01 tons per year for EU560.

[Rule 62-296.711(2), FAC, Rule 2.1101, JEPB; Permit No. 0310004-020-AC]

LL.4b. Particulate Matter Emissions (EU565): PM emissions (from baghouse) shall not exceed 0.03 grains per dry standard cubic foot, equivalent emissions 0.977 pounds per hour and 4.28 tons per year for EU565.

[Rule 62-296.711(2), FAC, Rule 2.1101, JEPB; Permit No. 0310004-020-AC and 0310004-025-AC]

LL.5. Visible emissions: VE (from baghouse) shall not exceed 5 percent opacity.

[Rules 62-296.711(2)(a) 62-297.620(4), F.A.C., Rules 2.1101 and 2.1201, JEPB; Permit No. 0310004-020-AC and 0310004-025-AC]

Test Methods and Procedures

{Permitting note: The attached Table 2, Summary of Compliance Requirements, summarizes information for convenience purposes only. This table does not supersede any of the terms or conditions of this permit.}

LL.6. Particulate Matter Emissions- Test Method: Compliance with Condition LL.4. shall be determined by a visible emissions test indicating no visible emissions (5 percent opacity) from each control unit in lieu of a Particulate Matter (PM) emissions stack test.

Testing for demonstration of compliance for PM emissions shall be performed, in accordance with EPA RM 5 (as described in 40 CFR 60, Appendix A) for the determination of the PM concentration. The minimum sample volume shall be 30 dry standard cubic feet.

[Rule 62-296.711(3)(b), 62-204.800(8)(e)3. F.A.C.; and Rules 2.1101, and 2.201 JEPB and Permit No. 0310004-025-AC]

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LL.7. Visible Emissions- Test Method. 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.

[62-297.310(4)(a)2, 296.711(3)(a). and 62-204.800(8)(e)4., F.A.C., and Rules 2.1201 and 2.201, JEPB; Permit No. 0310004-021-AC and 0310004-025-AC]

LL.8. Particulate Matter Emissions - Test Frequency: Particulate Matter Emissions shall be tested upon Department request.

[Rule 62-4.070(3), FAC, and Rule 2.1401, JEPB; Permit No. 0310004-021-AC]

LL.9. Visible Emissions- Test Frequency: VE shall be tested annually, each federal fiscal year (October 1 – September 30). VE testing shall be conducted for a minimum period of 30 minutes.

[Rules 62-4.070(3), 62-297.310(4)(a)2., F.A.C.; and Rules 2.1401, and 2.1201, JEPB]

Recordkeeping and Reporting Requirements

LL.10. Other Reporting Requirements. See Appendix RR, Facility-Wide Reporting Requirements, for additional reporting requirements.

LL11. The facility is subject to the Operation and Maintenance Plan in the attached Combined Appendices.

[Rule 62-296.700(6), FAC, Rule 2.1101, JEPB and Permit No. 0310004-025-AC]

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Subsection NN. Emissions Unit No. 563 Green Silo Decaff #5 & No. 564 Green Silo Caff #4

This section addresses the following emissions units.

E.U. ID No.	Brief Description
563	Green Silo Decaff #5 -- Premium decaffeinated Gevalia green beans are conveyed from the (3) Decaff Bins (EU- 562) to the Green Silo Decaff #5 where they are stored until they are conveyed to the roasters for further processing. Particulate matter (PM) emissions are controlled by a Camfil Farr GS2 Dust Collection System.
564	Green Silo Caff #4 -- Premium caffeinated Gevalia and Tassimo beans green beans are conveyed from the either the Gevalia Green Bins or the Tassimo Green Bins to the Green Silo Caff #4 where they are stored until they are conveyed to the roasters for further processing. Particulate matter (PM) emissions are controlled by a Camfil Farr GS2 Dust Collection System.

These emissions units are subject to the requirements of Rule 62-296.700, F.A.C., and Rule 2.1101, JEPB, Reasonably Available Control Technology (RACT) Particulate Matter; and Rule 62-296.711, F.A.C. and Rule 2.1101, JEPB, Materials Handling, Sizing, Screening, Crushing and Grinding Operations.

Essential Potential to Emit (PTE) Parameters

NN.1. **Permitted Capacity**. The maximum process rate for each green silo shall not exceed 20,000 pounds per hour[1] of green coffee beans.

[1] Based on the initial demonstration of compliance test conducted November 24, 2014 in accordance with Rule 62-297.310(2), F.A.C. the maximum process rate for E.U. 563 green silo decaff #5 shall be limited to no more than 11,000 pounds per hour[2] and the maximum process rate for E.U. 564 green silo caff #4 shall be limited to no more than and 8910[2] pounds per hour of green coffee beans The facility may increase the operating rate up to the maximum permitted process rate pursuant to this rule (see Appendix TR , Condition 2).

[2] Equals 110 percent of the pound per hour operation rate during the November 24, 2014 compliance test.

[Rules 62-4.070(3), 62-4.160(2), 62-210.200(PTE), 62-297.310(2), F.A.C. Rule 2.1201, 2.301, JEPB; and Permit No. 0310004-025-AC]

NN.2. **Volumetric Flow Rate.** The nominal volumetric flow rate for each dust collection system is 630 cubic feet per minute.

[Rule 62-210.200, F.A.C., and Rule 2.301, JEPB Permit No. 0310004-025-AC]

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NN.3. Hours of Operation: This emissions unit is allowed to operate continuously, i.e., 8,760 hours per year.

[Rule 62-210.200(PTE), FAC, Rule 2.301, JEPB; and Permit No. 0310004-025-AC]

NN.4. Control Unit: The control unit shall be in operation at all times during operation of the emissions units.

[Rule 62-210.700(1), F.A.C, Rule 62-4.070(3) F.A.C, Permit No. 0310004-025-AC]

Emission Limitations and Standards

{Permitting note: The attached Table 1, Summary of Air Pollutant Standards and Terms, summarizes information for convenience purposes only. This table does not supersede any of the terms or conditions of this permit.}

Unless otherwise specified, the averaging times for Specific Conditions **NN.5.-NN.6** are based on the specified averaging time of the applicable test method.

NN.5. Particulate Matter Emissions: PM emissions (from dust collection systems) shall not exceed 0.03 grains per dry standard cubic foot, equivalent emissions 0.162 pounds per hour and 0.71 tons per year.

[Rule 62-296.711(2), FAC, Rule 2.1101, JEPB; and Permit No. 0310004-025-AC]

NN.6. Visible Emissions. VE (from the dust collection system) shall not exceed 5 percent opacity.

[Rules 62-296.711(2)(a), 62-297.620(4), F.A.C., Rules 2.1101,.1201, JEPB; and Permit No. 0310004-025-AC]

Test Methods and Procedures

{Permitting note: The attached Table 2, Summary of Compliance Requirements, summarizes information for convenience purposes only. This table does not supersede any of the terms or conditions of this permit.}

NN.7. Particulate Matter Emissions- Test Method: Compliance with Condition NN.5. shall be determined by a visible emissions test indicating no visible emissions (5 percent opacity) from each control unit in lieu of a Particulate Matter (PM) emissions stack test.

Testing for demonstration of compliance for PM emissions shall be performed, in accordance with EPA RM 5 (as described in 40 CFR 60, Appendix A) for the determination of the PM concentration. The minimum sample volume shall be 30 dry standard cubic feet.

[Rule 62-296.711(3)(b), 62-204.800(8)(e)3. F.A.C.; and Rules 2.1101, and 2.201 JEPB and Permit No. 0310004-025-AC]

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NN.8. Visible Emissions- Test Method: 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.

[62-297.310(4)(a)2, 296.711(3)(a). and 62-204.800(8)(e)4., F.A.C., and Rules 2.1201 and 2.201, JEPB; Permit No. 0310004-025-AC]

NN.9. Particulate Matter Emissions - Test Frequency. Particulate Matter Emissions shall be tested upon Department request.

[Rule 62-4.070(3), FAC, and Rule 2.1401, JEPB]

NN.10. Visible Emissions- Test Frequency. VE shall be tested annually, each federal fiscal year (October 1 – September 30). VE testing shall be conducted for a minimum period of 30 minutes.

[Rules 62-4.070(3), 62-297.310(4)(a)2., F.A.C.; and Rules 2.1401, and 2.1201, JEPB]

Recordkeeping, and Reporting Requirements

NN.11. Other Reporting Requirements. See Appendix RR, Facility-Wide Reporting Requirements, for additional reporting requirements.

NN.12. The facility is subject to the Operation and Maintenance Plan in the attached Combined Appendices.

[Rule 62-296.700(6), FAC, Rule 2.1101, JEPB and Permit No. 0310004-025-AC]

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