



NOV 30 2011

Wade Broughton
General Mills Operations, Inc.
PO Box 3002
Lodi, CA 95241

**Re: Notice of Minor Title V Permit Modification
District Facility # N-355
Project # N-1111271**

Dear Mr. Broughton:

Enclosed is the District's analysis of your application for minor Title V permit modification for the facility identified above. You proposed a Title V minor permit modification to incorporate recently issued Authorities to Construct N-355-1-9 and N-355-2-9 into the Title V operating permit. The modifications consist of the addition of emission control equipment.

Enclosed is the engineering evaluation with the following attachments: proposed modified Title V permit, recently issued Authorities to Construct N-355-1-9 and N-355-2-9, emission increases, application, and previous Title V permit. This project will be subject to a 45-day EPA commenting period prior to the District taking final action.

Thank you for your cooperation in this matter. If you have any questions, please contact Mr. Rupi Gill at (209) 557-6400.

Sincerely,

David Warner
Director of Permit Services

DW:MS/st

Enclosures

Seyed Sadredin
Executive Director/Air Pollution Control Officer

Northern Region
4800 Enterprise Way
Modesto, CA 95356-8718
Tel: (209) 557-6400 FAX: (209) 557-6475

Central Region (Main Office)
1980 E. Gettysburg Avenue
Fresno, CA 93726-0244
Tel: (559) 230-6000 FAX: (559) 230-6061

Southern Region
34946 Flyover Court
Bakersfield, CA 93308-9725
Tel: 661-392-5500 FAX: 661-392-5585



NOV 30 2011

Gerardo C. Rios, Chief
Permits Office
Air Division
U.S. EPA - Region IX
75 Hawthorne St
San Francisco, CA 94105

Re: **Notice of Minor Title V Permit Modification**
District Facility # N-355
Project # N-111271

Dear Mr. Rios:

Enclosed for you to review is an application for minor Title V permit modification for the facility identified above. General Mills Operations, Inc. is proposing a Title V minor permit modification to incorporate the recently issued Authorities to Construct N-355-1-9 and N-355-2-9 into the Title V operating permit. The modifications consist of the addition of emission control equipment.

Enclosed is the engineering evaluation with the following attachments: proposed modified Title V permit, recently issued Authorities to Construct N-355-1-9 and N-355-2-9, emission increases, application, and previous Title V permit. Please submit your written comments on this project within the 45-day comment period that begins on the date you receive this letter.

Thank you for your cooperation in this matter. If you have any questions, please contact Mr. Rupi Gill at (209) 557-6400.

Sincerely,

David Warner
Director of Permit Services

DW:MS/st

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TITLE V APPLICATION REVIEW

Minor Modification
Project #: N-1111271

Engineer: Mark Schonhoff
Date: November 2, 2011

Facility Number: N-355
Facility Name: General Mills Operations, Inc.
Mailing Address: PO Box 3002
Lodi, CA 95241

Contact Name: Wade Broughton
Phone: (209) 334-7090

Responsible Official: Carson Funderburk
Title: Plant Manager

I. PROPOSAL

General Mills is proposing a Title V minor permit modification to incorporate the recently issued Authorities to Construct N-355-1-9 and N-355-2-9 into the Title V operating permit. The modifications were to install particulate matter control equipment.

The purpose of this evaluation is to identify all applicable requirements, determine if the facility will comply with the applicable requirements and to provide the legal and factual basis for the proposed revisions.

II. FACILITY LOCATION

2000 W. Turner Road
Lodi, CA

III. EQUIPMENT DESCRIPTION

N-355-1-9: CEREAL PLANT (PUFF II) CONSISTING OF A MATERIAL DISPENSING SYSTEM, A MATERIAL COOKING SYSTEM, A PUFF SYSTEM, A CEREAL-FLAVOR SPRAYING AND DRYING SYSTEM, AND A FINISHED CEREAL SCALPING AND CONVEYANCE SYSTEM.

N-255-2-9: CEREAL PLANT (PUFF I) CONSISTING OF A MATERIAL DISPENSING SYSTEM, A MATERIAL COOKING SYSTEM, A PUFF SYSTEM, A CEREAL-FLAVOR SPRAYING AND DRYING SYSTEM, AND A FINISHED CEREAL SCALPING AND CONVEYANCE SYSTEM.

IV. SCOPE OF EPA AND PUBLIC REVIEW

This change to a Title V permit is considered to be a minor modification and, as such, requires no public review.

V. APPLICABLE REQUIREMENTS

District Rule 2520, Federally Mandated Operating Permits (Adopted June 21, 2001)

VI. DESCRIPTION OF PROPOSED MODIFICATIONS

N-355-1-9

The facility has received an Authority to Construct permit authorizing modifications to Cereal Puff Line II to capture the exhaust from the Cyclonic Dough Receiver (AC 23), Day Bin (South), Conveyor #12, and the South Weight Feeder and route that exhaust to a rotoclone for control of particulate emissions. Currently, these emission units are not served by a control device and exhaust into the cereal production area. No changes are proposed to the other emission units associated with Puff Line II. The new emission control system is identified as AC-106 in condition 6 of this Authority to Construct (condition 4 of the new Title V permit).

The Authority to Construct permit does not require that the required records be maintained for any amount of time. A condition requiring that all records be maintained for a period of at least 5 years will be included in the proposed Title V permit.

N-355-2-9

The facility has received an Authority to Construct permit for the modification of existing Cereal Puff Line I to capture the exhaust from Product Receiver (AC 21), Day Bins (North and Central), Scalper Conveyor, and the North and Central Weight Feeders and route that exhaust to a rotoclone for control of particulate emissions. Currently, these emission units are not served by a control device and exhaust into the cereal production area. No changes are proposed to the other emission units associated with Puff Line I. The new emission control

system is identified as AC-106 in condition 6 of this Authority to Construct (condition 4 of the new Title V permit).

The Authority to Construct permit does not require that the required records be maintained for any amount of time. A condition requiring that all records be maintained for a period of at least 5 years will be included in the proposed Title V permit.

VII. COMPLIANCE

In accordance with Rule 2520, 3.20, these modifications:

1. Do not violate requirements of any applicable federally enforceable local or federal requirement;
2. Do not relax monitoring, reporting, or recordkeeping requirements in the permit and are not significant changes in existing monitoring permit terms or conditions;
3. Do not require or change a case-by-case determination of an emission limitation or other standard, or a source-specific determination for temporary sources of ambient impacts, or a visibility or increment analysis;
4. Do not seek to establish or change a permit term or condition for which there is no corresponding underlying applicable requirement and that the source has assumed to avoid an applicable requirement to which the source would otherwise be subject. Such terms and conditions include:
 - a. A federally enforceable emission cap assumed to avoid classification as a modification under any provisions of Title I of the Federal Clean Air Act; and
 - b. An alternative emissions limit approved pursuant to regulations promulgated under section 112(i)(5) of the Federal Clean Air Act; and
5. Are not Title I modifications as defined in District Rule 2520 or modifications as defined in section 111 or 112 of the Federal Clean Air Act; and
6. Do not seek to consolidate overlapping applicable requirements.

In accordance with Rule 2520, the application meets the procedural requirements of section 11.4 by including;

1. A description of the change, the emissions resulting from the change, and any new applicable requirements that will apply if the change occurs;
2. The source's suggested draft permit; and

3. Certification by a responsible official that the proposed modification meets the criteria for use of minor permit modification procedures and a request that such procedures be used.

VIII. ATTACHMENTS

- A. Proposed Modified Title V Operating Permit No. N-355-1-10 and N-355-2-10
- B. Authorities to Construct No. N-355-1-9 and N-355-2-9
- C. Emissions Increases
- D. Application
- E. Previous Title V Operating Permit No.'s N-355-1-7 and N-355-2-7

ATTACHMENT A

Proposed Modified Title V Operating Permits
N-355-1-10 and N-355-2-10

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-355-1-10

EXPIRATION DATE: 04/30/2016

EQUIPMENT DESCRIPTION:

CEREAL PLANT (PUFF II) CONSISTING OF A MATERIAL DISPENSING SYSTEM, A MATERIAL COOKING SYSTEM, A PUFF SYSTEM, A CEREAL-FLAVOR SPRAYING AND DRYING SYSTEM, AND A FINISHED CEREAL SCALPING AND CONVEYANCE SYSTEM.

PERMIT UNIT REQUIREMENTS

1. Particulate matter emissions shall not exceed 0.1 grain/dscf. [District Rule 4201] Federally Enforceable Through Title V Permit
2. Visible emissions from the exhaust of each dust collector (wet or dry) shall not equal or exceed 5% opacity for a period or periods aggregating more than three minutes in any one hour. [District Rule 2201] Federally Enforceable Through Title V Permit
3. The material dispensing system shall consist of the following: flour dispensing from bulk storage silo to day bins served by a FLEX-KLEEN MODEL 58CTBC18IIIIG dust collector (AC-1); sweetener dispensing from bulk storage silo to day bins served by a FLEX-KLEEN MODEL 10PBVBL9II dust collector (AC-3); multiple product dispensing into day bins served by a FABRIC FILTER CORP OR MAC MODEL 88AVRF0602 dust collector (AC-62); material dispensing from bin #57 to day bins served by a shared HAF EQUIPMENT MODEL 36CF14S3G dust collector (AC-77) (shared with permit unit N-355-2); dry sweetener dispensing operation from bulk storage silo to day bins served by a shared FLEX-KLEEN MODEL 58CTBC14IIIIG dust collector (AC-78) (shared with permit unit N-355-2); day bins served by a AERODYNE MODEL 12104-4 dust collector (AC-5), mixer served by a AERODYNE MODEL 120060089 dust collector (AC-12); regrinds dispensing to a mixer served by a MAC MODEL 18BV4 dust collector (AC-79); wheat germ dispensing from bins to mixed-material product receiver served by a MAC MODEL 36AVR14-III dust collector (AC-45); and mixed-material product receiver served by a HAF EQUIPMENT MODEL 58CT3283 dust collector (AC-100). [District Rule 2201] Federally Enforceable Through Title V Permit
4. The material cooking system shall consist of the following: transition hopper supplying mixed material to cookers served by a HAF EQUIPMENT MODEL 18BV4 dust collector (AC-102); steam-jacketed cookers, receiver, and steam-heated dryer served by a BOEDECKER DCP-30-196M168-38-G dust collector (AC-17); a product receiver (AC-23) served by an American Air Filter Rotoclone Model B Arrangement A Type W Size 20 Wet-Type dust collector (AC-106, shared with other emission units listed in this permit and permit N-355-2); a cyclone receiver and dry dough handling system consists of a screw conveyor and five electrically-heated conveyors served by a shared AAF-ROTOCLONE MODEL W12 WET-TYPE dust collector (AC-26) (shared with permit unit N-355-2). [District Rule 2201] Federally Enforceable Through Title V Permit
5. The puff system shall consist of the following: five permit-exempt natural gas-fired superheaters (0.5 MMBTU/HR each) serving five puff-formers; five post-puff-former cyclone receivers delivering product to a receiver on 4th floor which is served by a KICE MODEL VR32-6H dust collector (AC-76) and scalper; a day bin (South) and, a conveyor (CNV 12), both served by an American Air Filter Rotoclone Model B Arrangement A Type W Size 20 Wet-Type dust collector (AC-106, shared with other emission units listed in this permit and permit N-355-2). [District Rule 2201] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE
These terms and conditions are part of the Facility-wide Permit to Operate.

6. The cereal flavor spraying and drying system shall consist of the following: enrobers served by a DUCON MODEL UW3-21 WET-TYPE dust collector (AC-38); steam-heated dryer served by an AAF-ROTOCLONE W24 WET-TYPE dust collector (AC-37-1) and an AAF-ROTOCLONE WRC12 WET-TYPE dust collector (AC-37-2) on cooler side. [District Rule 2201] Federally Enforceable Through Title V Permit
7. The finished cereal scalp and conveyance system shall consist of the following: finish cereal conveyors served by a shared FLEX-KLEEN MODEL 58WSBC81-III dust collector (AC-44) (shared with permit unit N-355-2); scalper served by a shared FLEX-KLEEN MODEL 58CTBC54-IIIIG dust collector (AC-68) (shared with permit unit N-355-2); scalper served by a BUHLER MODEL ASFA-44 dust collector (AC-43); material dispensing from dry minor ingredient bins to the cereal served by an AAF MODEL W840144 WET-TYPE dust collector (AC-75); a weight feeder (South) served by an American Air Filter Rotoclone Model B Arrangement A Type W Size 20 Wet-Type dust collector (AC-106, shared with other emission units listed in this permit and permit N-355-2). [District Rule 2201] Federally Enforceable Through Title V Permit
8. PM10 emissions from this permit unit shall not exceed 26.7 lb/day. [District Rule 2201] Federally Enforceable Through Title V Permit
9. The operator shall maintain the following water flow rates: a.) at least 1.0 gpm for AAF-Rotoclone Model W12 dust collector (AC-26), b.) at least 0.7 gpm for Ducon Model UW3-21 dust collector (AC-38), c.) at least 3.5 gpm for AAF-Rotoclone Model W24 dust collector (AC-37-1), d.) at least 1.0 gpm for AAF-Rotoclone Model WRC12 dust collector (AC-37-2), e.) at least 1.5 gpm for AAF Model W840144 dust collector (AC-75), and f.) at least 3.5 gpm for the American Air Filter Rotoclone Model B Arrangement A Type W Size 20 WET-TYPE dust collector (AC-106, shared with N-355-2). [District Rule 2201] Federally Enforceable Through Title V Permit
10. Material removed from each dust collector (wet or dry) shall be disposed of in a manner preventing entrainment into the atmosphere. [District Rule 2201] Federally Enforceable Through Title V Permit
11. The cleaning frequency and duration of each dust collector (wet or dry) shall be adjusted to optimize the control efficiency. [District Rule 2201] Federally Enforceable Through Title V Permit
12. Replacement bags numbering at least 10% of the total number of bags in the largest dust collector (dry), and for each type of bag, shall be maintained on the premises. [District Rule 2201] Federally Enforceable Through Title V Permit
13. Visible emissions from cyclones and dust collectors (wet or dry) that are in operation shall be checked quarterly. If visible emissions are observed, corrective action shall be taken to eliminate visible emissions. If visible emissions cannot be corrected within 24 hours, a visible emissions test using EPA Method 9 shall be conducted. [District Rule 2201] Federally Enforceable Through Title V Permit
14. Cyclones and dust collectors (wet or dry) shall be completely inspected annually for evidence of particulate matter breakthrough and repaired as needed. [District Rule 2201] Federally Enforceable Through Title V Permit
15. Dust collector (dry) filters shall be thoroughly inspected annually for tears, scuffs, abrasions, holes, or any evidence of particulate matter breakthrough and shall be replaced as needed. [District Rule 2201] Federally Enforceable Through Title V Permit
16. Records of cyclones and dust collectors (wet or dry) maintenance, inspections, and repair shall be maintained. The records shall include identification of the equipment, date of inspection, corrective action taken, and identification of the individual performing the inspection. [District Rule 2201] Federally Enforceable Through Title V Permit
17. Particulate matter emissions shall not exceed the hourly rate as calculated in District Rule 4202 using the equation $E=3.59 \times P^{0.62}$ if P is less than or equal to 30 tons per hour, or $E=17.37 \times P^{0.62}$ if P is greater than 30 tons per hour (amended December 17, 1992). [District Rule 4202] Federally Enforceable Through Title V Permit
18. Water flow rate of each dust collector (wet) shall be monitored and recorded quarterly during operation of this unit. [District Rule 2201] Federally Enforceable Through Title V Permit
19. The permittee shall maintain records sufficient to demonstrate compliance with each emission limit and permit requirement. These records shall contain each calculated emission quantity as well as each process variable used in the respective calculations. [District Rules 1070 and 2201] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE
These terms and conditions are part of the Facility-wide Permit to Operate.

20. All records shall be maintained and retained on-site for a period of at least 5 years and shall be made available for District inspection upon request. [District Rules 1070 and 2201] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

DRAFT

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-355-2-10

EXPIRATION DATE: 04/30/2016

EQUIPMENT DESCRIPTION:

CEREAL PLANT (PUFF I) CONSISTING OF A MATERIAL DISPENSING SYSTEM, A MATERIAL COOKING SYSTEM, A PUFF SYSTEM, A CEREAL-FLAVOR SPRAYING AND DRYING SYSTEM, AND A FINISHED CEREAL SCALPING AND CONVEYANCE SYSTEM.

PERMIT UNIT REQUIREMENTS

1. Particulate matter emissions shall not exceed 0.1 grain/dscf. [District Rule 4201] Federally Enforceable Through Title V Permit
2. Visible emissions from the exhaust of each dust collector (wet or dry) shall not equal or exceed 5% opacity for a period or periods aggregating more than three minutes in any one hour. [District Rule 2201] Federally Enforceable Through Title V Permit
3. The material dispensing system shall consist of the following: flour dispensing from bulk storage silo to day bins served by a FLEX-KLEEN MODEL 36CTBC18-III-G dust collector (AC-60); flour scale aspirator served by a FLEX-KLEEN MODEL 36BVBC36-III-G dust collector (AC-61); material dispensing from bin #57 to day bins served by a shared HAF EQUIPMENT MODEL 36CF14S3G dust collector (AC-77) (shared with permit unit N-355-1); dry sweetener dispensing from bulk storage silo to day bins served by a shared FLEX KLEEN MODEL 58CTBC14III-G (AC-78) (shared with permit unit N-355-1) and FLEX-KLEEN MODEL 10PBVBL9II dust collectors (AC-2); wet dough fines dispensing operation served by a FLEX-KLEEN MODEL 58-CTBS-8-II dust collector (AC-64); day bins served by an AERODYNE MODEL 12104-4 dust collector (AC-4); mixer served by an AERODYNE MODEL 120060088 dust collector (AC-11); regrinds dispensing to a mixer served by a MAC MODEL 88-AVR-06-026 dust collector (AC-80); wheat germ dispensing from bins to mixed-material product receiver served by a MAC MODEL 36AVR14-III dust collector (AC-45); mixed-material product receiver served by a HAF EQUIPMENT MODEL 58CT3283 dust collector (AC-101). [District Rule 2201] Federally Enforceable Through Title V Permit
4. The material cooking system shall consist of the following: transition hopper supplying mixed material to cookers served by a HAF EQUIPMENT MODEL 18BV4 dust collector (AC-103); steam-jacketed cookers, receiver and steam-heated dryer served by a BOEDECKER DCP-30-196M168-38-G dust collector (AC-15); a product receiver (AC-21) served by an American Air Filter Rotoclone Model B Arrangement A Type W Size 20 Wet-Type dust collector (AC-106, shared with other emission units listed in this permit and permit N-355-1); a cyclone receiver and dry dough handling system consists of a screw conveyor and five electrically-heated conveyors served by a shared AAF-ROTOCLONE MODEL W12 WET-TYPE dust collector (AC-26) (shared with permit unit N-355-1). [District Rule 2201] Federally Enforceable Through Title V Permit
5. The puff system shall consist of the following: five permit-exempt natural gas-fired superheaters (0.5 MMBTU/HR each) serving five puff-formers; five post-former cyclone receivers delivering product to a scalper on 3rd floor; two day bins (Central and North) and a scalper conveyor all served by an American Air Filter Rotoclone Model B Arrangement A Type W Size 20 Wet-Type dust collector (AC-106, shared with other emission units listed in this permit and permit N-355-1). [District Rule 2201] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE
These terms and conditions are part of the Facility-wide Permit to Operate.

6. The cereal-flavor spraying and drying system shall consist of the following: enrobers served by a DUCON MODEL UW3-30 WET-TYPE dust collector (AC-42); steam-heated dryer served by an AAF-ROTOCLONE WRC16 1656297-5 WET-TYPE dust collector (AC-39-1) and an AAF-ROTOCLONE WRC24 1656297-7 WET-TYPE dust collector (AC-39-2) on cooler side; and steam-heated dryer served by an AAF-ROTOCLONE W33 WET-TYPE dust collector (AC-41). [District Rule 2201] Federally Enforceable Through Title V Permit
7. The finished cereal scalp and conveyance system shall consist of the following: finish cereal conveyors served by a shared FLEX-KLEEN MODEL 58WSBC81-III dust collector (AC-44) (shared with permit unit N-355-1); scalper served by a shared FLEX-KLEEN 58CTBC54-III dust collector (AC-68) (shared with permit unit N-355-1); scalper served by a FLEX-KLEEN MODEL 58USBC144-III dust collector (AC-53); two weight feeders (Central and North) served by an American Air Filter Rotoclone Model B Arrangement A Type W Size 20 Wet-Type dust collector (AC-106, shared with other emission units listed in this permit and permit N-355-1). [District Rule 2201] Federally Enforceable Through Title V Permit
8. PM10 emissions from this permit unit shall not exceed 30.5 lb/day. [District Rule 2201] Federally Enforceable Through Title V Permit
9. The operator shall maintain the following water flow rates: a.) at least 1.0 gpm for AAF-Rotoclone Model W12 dust collector (AC-26), b.) at least 1.8 gpm for Ducon Model UW3-30 dust collector (AC-42), c.) at least 2.0 gpm for AAF-Rotoclone Model WRC16 1656297-5 dust collector (AC-39-1), d.) at least 3.5 gpm for AAF-Rotoclone Model WRC24 1656297-7 dust collector (AC-39-2), e.) at least 4.0 gpm for AAF Model W33 dust collector (AC-41), and f.) at least 3.5 gpm for the American Air Filter Rotoclone Model B Arrangement A Type W Size 20 WET-TYPE dust collector (AC-106, shared with N-355-2). [District Rule 2201] Federally Enforceable Through Title V Permit
10. Material removed from each dust collector (wet or dry) shall be disposed of in a manner preventing entrainment into the atmosphere. [District Rule 2201] Federally Enforceable Through Title V Permit
11. The cleaning frequency and duration of each dust collector (wet or dry) shall be adjusted to optimize the control efficiency. [District Rule 2201] Federally Enforceable Through Title V Permit
12. Replacement bags numbering at least 10% of the total number of bags in the largest dust collector (dry), and for each type of bag, shall be maintained on the premises. [District Rule 2201] Federally Enforceable Through Title V Permit
13. Visible emissions from cyclones and dust collectors (wet or dry) that are in operation shall be checked quarterly. If visible emissions are observed, corrective action shall be taken to eliminate visible emissions. If visible emissions cannot be corrected within 24 hours, a visible emissions test using EPA Method 9 shall be conducted. [District Rule 2201] Federally Enforceable Through Title V Permit
14. Cyclones and dust collectors (wet or dry) shall be completely inspected annually for evidence of particulate matter breakthrough and repaired as needed. [District Rule 2201] Federally Enforceable Through Title V Permit
15. Dust collector (dry) filters shall be thoroughly inspected annually for tears, scuffs, abrasions, holes, or any evidence of particulate matter breakthrough and shall be replaced as needed. [District Rule 2201] Federally Enforceable Through Title V Permit
16. Records of cyclones and dust collectors (wet or dry) maintenance, inspections, and repair shall be maintained. The records shall include identification of the equipment, date of inspection, corrective action taken, and identification of the individual performing the inspection. [District Rule 2201] Federally Enforceable Through Title V Permit
17. Particulate matter emissions shall not exceed the hourly rate as calculated in District Rule 4202 using the equation $E=3.59xP^{0.62}$ if P is less than or equal to 30 tons per hour, or $E=17.37xP^{0.62}$ if P is greater than 30 tons per hour (amended December 17, 1992). [District Rule 4202] Federally Enforceable Through Title V Permit
18. Water flow rate of each dust collector (wet) shall be monitored and recorded quarterly during operation of this unit. [District Rule 2201] Federally Enforceable Through Title V Permit
19. The permittee shall maintain records sufficient to demonstrate compliance with each emission limit and permit requirement. These records shall contain each calculated emission quantity as well as each process variable used in the respective calculations. [District Rules 1070 and 2201] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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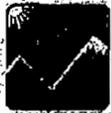
20. All records shall be maintained and retained on-site for a period of at least 5 years and shall be made available for District inspection upon request. [District Rules 1070 and 2201] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

DRAFT

ATTACHMENT B

Authorities to Construct
N-355-1-9 and N-355-2-9



COPY

AUTHORITY TO CONSTRUCT

PERMIT NO: N-355-1-9

ISSUANCE DATE: 03/21/2011

LEGAL OWNER OR OPERATOR: GENERAL MILLS OPERATIONS, INC
MAILING ADDRESS: ATTN: ACCOUNTS PAYABLE
PO BOX 1263
MINNEAPOLIS, MN 55440

LOCATION: WADE BROUGHTON
2000 W TURNER ROAD
LODI, CA 95240

EQUIPMENT DESCRIPTION:

MODIFICATION OF CEREAL PLANT (PUFF II) CONSISTS OF MATERIAL DISPENSING SYSTEM, MATERIAL COOKING SYSTEM, PUFF SYSTEM, CEREAL FLAVOR SPRAYING AND DRYING SYSTEM, FINISHED CEREAL SCALP AND CONVEYANCE SYSTEM TO INSTALL AN AMERICAN AIR FILTER MODEL B ARRANGEMENT A TYPE W SIZE 20 WET COLLECTOR (AC-106, SHARED WITH N-355-2) THAT WILL SERVE THE FOLLOWING EXISTING EMISSION UNITS, A PRODUCT RECIEVER (AG-23), A DAY BIN (SOUTH), A CONVEYOR (CNV 12), AND A WEIGHT FEEDER (SOUTH)

CONDITIONS

1. Particulate matter emissions shall not exceed 0.1 grain/dscf. [District Rule 4201] Federally Enforceable Through Title V Permit
2. No air contaminant shall be discharged into the atmosphere for a period or periods aggregating more than three minutes in any one hour which is as dark as, or darker than, Ringelmann 1 or 20% opacity. [District Rule 4101]
3. Visible emissions from the exhaust of each dust collector (wet or dry) shall not equal or exceed 5% opacity for a period or periods aggregating more than three minutes in any one hour. [District Rule 2201] Federally Enforceable Through Title V Permit
4. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]

CONDITIONS CONTINUE ON NEXT PAGE

YOU MUST NOTIFY THE DISTRICT COMPLIANCE DIVISION AT (209) 557-6400 WHEN CONSTRUCTION IS COMPLETED AND PRIOR TO OPERATING THE EQUIPMENT OR MODIFICATIONS AUTHORIZED BY THIS AUTHORITY TO CONSTRUCT. THIS IS NOT A PERMIT TO OPERATE. Approval or denial of a PERMIT TO OPERATE will be made after an inspection to verify that the equipment has been constructed in accordance with the approved plans, specifications and conditions of this Authority to Construct and to determine if the equipment can be operated in compliance with all Rules and Regulations of the San Joaquin Valley Unified Air Pollution Control District. Unless construction has commenced pursuant to Rule 2060, this Authority to Construct shall expire and application shall be cancelled two years from the date of issuance. The applicant is responsible for complying with all laws, ordinances and regulations of all other governmental agencies which may pertain to the above equipment.

Seyed Sadredin, Executive Director / APOC

[Handwritten Signature]

DAVID WARNER, Director of Permit Services

5. The material dispensing system shall consist of the following: flour dispensing from bulk storage silo to day bins served by a FLEX-KLEEN MODEL 58CTBC14IIG dust collector (AC-1); sweetener dispensing from bulk storage silo to day bins served by a FLEX-KLEEN MODEL 10PBVBL9II dust collector (AC-3); multiple product dispensing into day bins served by a FABRIC FILTER CORP OR MAC MODEL 88AVRF0602 dust collector (AC-62); material dispensing from bin #57 to day bins served by a shared HAF EQUIPMENT MODEL 36CF14S3G dust collector (AC-77) (shared with permit unit N-355-2); dry sweetener dispensing operation from bulk storage silo to day bins served by a shared FLEX-KLEEN MODEL 58CTBC14IIG dust collector (AC-78) (shared with permit unit N-355-2); day bins served by a AERODYNE MODEL 12104-4 dust collector (AC-5), mixer served by a AERODYNE MODEL 120060089 dust collector (AC-12); regrinds dispensing to a mixer served by a MAC MODEL 18BV4 dust collector (AC-79); wheat germ dispensing from bins to mixed-material product receiver served by a MAC MODEL 36AVR14-III dust collector (AC-45); and mixed-material product receiver served by a HAF EQUIPMENT MODEL 58CT3283 dust collector (AC-100). [District Rule 2201] Federally Enforceable Through Title V Permit
6. The material cooking system shall consist of the following: transition hopper supplying mixed material to cookers served by a HAF EQUIPMENT MODEL 18BV4 dust collector (AC-102); steam-jacketed cookers, receiver, and steam-heated dryer served by a BOEDECKER DCP-30-196M168-38-G dust collector (AC-17); a product receiver (AC-23) served by an American Air Filter Rotoclone Model B Arrangement A Type W Size 20 Wet-Type dust collector (AC-106, shared with other emission units listed in this permit and permit N-355-2); a cyclone receiver and dry dough handling system consists of a screw conveyor and five electrically-heated conveyors served by a shared AAF-ROTOCLONE MODEL W12 WET-TYPE dust collector (AC-26) (shared with permit unit N-355-2). [District Rule 2201]
7. The puff system shall consist of the following: five permit-exempt natural gas-fired superheaters (0.5 MMBTU/HR each) serving five puff-formers; five post-puff-former cyclone receivers delivering product to a receiver on 4th floor which is served by a KICE MODEL VR32-6H dust collector (AC-76) and scalper; a day bin (South) and a conveyor (CNV 12), both served by an American Air Filter Rotoclone Model B Arrangement A Type W Size 20 Wet-Type dust collector (AC-106, shared with other emission units listed in this permit and permit N-355-2). [District Rule 2201]
8. The cereal flavor spraying and drying system shall consist of the following: enrobers served by a DUCON MODEL UW3-21 WET-TYPE dust collector (AC-38); steam-heated dryer served by an AAF-ROTOCLONE W24 WET-TYPE dust collector (AC-37-1) and an AAF-ROTOCLONE WRC12 WET-TYPE dust collector (AC-37-2) on cooler side. [District Rule 2201] Federally Enforceable Through Title V Permit
9. The finished cereal scalp and conveyance system shall consist of the following: finish cereal conveyors served by a shared FLEX-KLEEN MODEL 58WSBC8I-III dust collector (AC-44) (shared with permit unit N-355-2); scalper served by a shared FLEX-KLEEN MODEL 58CTBC54-IIG dust collector (AC-68) (shared with permit unit N-355-2); scalper served by a BUHLER MODEL ASFA-44 dust collector (AC-43); material dispensing from dry minor ingredient bins to the cereal served by an AAF MODEL W840144 WET-TYPE dust collector (AC-75); a weight feeder (South) served by an American Air Filter Rotoclone Model B Arrangement A Type W Size 20 Wet-Type dust collector (AC-106, shared with other emission units listed in this permit and permit N-355-2). [District Rule 2201]
10. PM10 emissions from this permit unit shall not exceed 26.7 lb/day. [District Rule 2201]
11. The operator shall maintain the following water flow rates: a.) at least 1.0 gpm for AAF-Rotoclone Model W12 dust collector (AC-26), b.) at least 0.7 gpm for Ducon Model UW3-21 dust collector (AC-38), c.) at least 3.5 gpm for AAF-Rotoclone Model W24 dust collector (AC-37-1), d.) at least 1.0 gpm for AAF-Rotoclone Model WRC12 dust collector (AC-37-2), e.) at least 1.5 gpm for AAF Model W840144 dust collector (AC-75), and f.) at least 3.5 gpm for the American Air Filter Rotoclone Model B Arrangement A Type W Size 20 WET-TYPE dust collector (AC-106, shared with N-355-2). [District Rule 2201]
12. Material removed from each dust collector (wet or dry) shall be disposed of in a manner preventing entrainment into the atmosphere. [District Rule 2201] Federally Enforceable Through Title V Permit
13. The cleaning frequency and duration of each dust collector (wet or dry) shall be adjusted to optimize the control efficiency. [District Rule 2201] Federally Enforceable Through Title V Permit
14. Replacement bags numbering at least 10% of the total number of bags in the largest dust collector (dry), and for each type of bag, shall be maintained on the premises. [District Rule 2201] Federally Enforceable Through Title V Permit

CONDITIONS CONTINUE ON NEXT PAGE

15. Visible emissions from cyclones and dust collectors (wet or dry) that are in operation shall be checked quarterly. If visible emissions are observed, corrective action shall be taken to eliminate visible emissions. If visible emissions cannot be corrected within 24 hours, a visible emissions test using EPA Method 9 shall be conducted. [District Rule 2201] Federally Enforceable Through Title V Permit
16. Cyclones and dust collectors (wet or dry) shall be completely inspected annually for evidence of particulate matter breakthrough and repaired as needed. [District Rule 2201] Federally Enforceable Through Title V Permit
17. Dust collector (dry) filters shall be thoroughly inspected annually for tears, scuffs, abrasions, holes, or any evidence of particulate matter breakthrough and shall be replaced as needed. [District Rule 2201] Federally Enforceable Through Title V Permit
18. Records of cyclones and dust collectors (wet or dry) maintenance, inspections, and repair shall be maintained. The records shall include identification of the equipment, date of inspection, corrective action taken, and identification of the individual performing the inspection. [District Rule 2201] Federally Enforceable Through Title V Permit
19. Particulate matter emissions shall not exceed the hourly rate as calculated in District Rule 4202 using the equation $E=3.59 \times P^{0.62}$ if P is less than or equal to 30 tons per hour, or $E=17.37 \times P^{0.62}$ if P is greater than 30 tons per hour (amended December 17, 1992). [District Rule 4202] Federally Enforceable Through Title V Permit
20. Water flow rate of each dust collector (wet) shall be monitored and recorded quarterly during operation of this unit. [District Rule 2201] Federally Enforceable Through Title V Permit
21. The permittee shall maintain records sufficient to demonstrate compliance with each emission limit and permit requirement. These records shall contain each calculated emission quantity as well as each process variable used in the respective calculations. [District Rules 1070 and 2201] Federally Enforceable Through Title V Permit



COPY

AUTHORITY TO CONSTRUCT

PERMIT NO: N-355-2-9

ISSUANCE DATE: 03/21/2011

LEGAL OWNER OR OPERATOR: GENERAL MILLS OPERATIONS, INC
MAILING ADDRESS: ATTN: ACCOUNTS PAYABLE
PO BOX 1263
MINNEAPOLIS, MN 55440

LOCATION: WADE BROUGHTON
2000 W TURNER ROAD
LODI, CA 95240

EQUIPMENT DESCRIPTION:

MODIFICATION OF CEREAL PLANT (PUFF I) CONSISTS OF MATERIAL DISPENSING SYSTEM, MATERIAL COOKING SYSTEM, PUFF SYSTEM, CEREAL-FLAVOR SPRAYING AND DRYING SYSTEM, FINISHED CEREAL SCALP AND CONVEYANCE SYSTEM TO INSTALL AN AMERICAN AIR FILTER MODEL B ARRANGEMENT A TYPE W SIZE 20 WET COLLECTOR (AC-106, SHARED WITH N-355-1) THAT WILL SERVE THE FOLLOWING EQUIPMENT: A PRODUCT RECEIVER (AC-21), TWO DAY BINS (NORTH AND CENTER), A SCALPAR CONVEYOR, AND TWO WEIGH FEEDERS (NORTH AND CENTER)

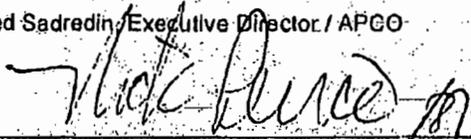
CONDITIONS

1. Particulate matter emissions shall not exceed 0.1 grain/dscf. [District Rule 4201] Federally Enforceable Through Title V Permit
2. No air contaminant shall be discharged into the atmosphere for a period or periods aggregating more than three minutes in any one hour which is as dark as, or darker than, Ringelmann 1 or 20% opacity. [District Rule 4101]
3. Visible emissions from the exhaust of each dust collector (wet or dry) shall not equal or exceed 5% opacity for a period or periods aggregating more than three minutes in any one hour. [District Rule 2201] Federally Enforceable Through Title V Permit
4. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]

CONDITIONS CONTINUE ON NEXT PAGE

YOU MUST NOTIFY THE DISTRICT COMPLIANCE DIVISION AT (209) 557-6400 WHEN CONSTRUCTION IS COMPLETED AND PRIOR TO OPERATING THE EQUIPMENT OR MODIFICATIONS AUTHORIZED BY THIS AUTHORITY TO CONSTRUCT. This is NOT a PERMIT TO OPERATE. Approval or denial of a PERMIT TO OPERATE will be made after an inspection to verify that the equipment has been constructed in accordance with the approved plans, specifications and conditions of this Authority to Construct, and to determine if the equipment can be operated in compliance with all Rules and Regulations of the San Joaquin Valley Unified Air Pollution Control District. Unless construction has commenced pursuant to Rule 2050, this Authority to Construct shall expire and application shall be cancelled two years from the date of issuance. The applicant is responsible for complying with all laws, ordinances and regulations of all other governmental agencies which may pertain to the above equipment.

Seyed Sadredin, Executive Director / APGO



DAVID WARNER, Director of Permit Services
11-355-2-9, Mar 21 2011, 10:48AM, APHADERJ, Joint Inspection NOT Required

5. The material dispensing system shall consist of the following: flour dispensing from bulk storage silo to day bins served by a FLEX-KLEEN MODEL 36CTBC18-III-G dust collector (AC-60); flour scale aspirator served by a FLEX-KLEEN MODEL 36BVBC36-III-G dust collector (AC-61); material dispensing from bin #57 to day bins served by a shared HAF EQUIPMENT MODEL 36CF14S3G dust collector (AC-77) (shared with permit unit N-355-1); dry sweetener dispensing from bulk storage silo to day bins served by a shared FLEX-KLEEN MODEL 58CTBC14III (AC-78) (shared with permit unit N-355-1) and FLEX-KLEEN MODEL 10PBVBL9II dust collectors (AC-2); wet dough fines dispensing operation served by a FLEX-KLEEN MODEL 58-CTBS-8-II dust collector (AC-64); day bins served by an AERODYNE MODEL 12104-4 dust collector (AC-4); mixer served by an AERODYNE MODEL 120060088 dust collector (AC-11); regrinds dispensing to a mixer served by a MAC MODEL 88-AVR-06-026 dust collector (AC-80); wheat germ dispensing from bins to mixed-material product receiver served by a MAC MODEL 36AVR14-III dust collector (AC-45); mixed-material product receiver served by a HAF EQUIPMENT MODEL 58CT3283 dust collector (AC-101). [District Rule 2201] Federally Enforceable Through Title V Permit
6. The material cooking system shall consist of the following: transition hopper supplying mixed material to cookers served by a HAF EQUIPMENT MODEL 18BV4 dust collector (AC-103); steam-jacketed cookers, receiver and steam-heated dryer served by a BOEDECKER DCP-30-196M168-38-G dust collector (AC-15); a product receiver (AC-21) served by an American Air Filter Rotoclone Model B Arrangement A Type W Size 20 Wet-Type dust collector (AC-106, shared with other emission units listed in this permit and permit N-355-1); a cyclone receiver and dry dough handling system consists of a screw conveyor and five electrically-heated conveyors served by a shared AAF-ROTOCLONE MODEL W12 WET-TYPE dust collector (AC-26) (shared with permit unit N-355-1). [District Rule 2201]
7. The puff system shall consist of the following: five permit-exempt natural gas-fired superheaters (0.5 MMBTU/HR each) serving five puff-formers; five post-former cyclone receivers delivering product to a scalper on 3rd floor; two day bins (Central and North) and a scalper conveyor all served by an American Air Filter Rotoclone Model B Arrangement A Type W Size 20 Wet-Type dust collector (AC-106, shared with other emission units listed in this permit and permit N-355-1). [District Rule 2201]
8. The cereal-flavor spraying and drying system shall consist of the following: enrobers served by a DUCON MODEL UW3-30 WET-TYPE dust collector (AC-42); steam-heated dryer served by an AAF-ROTOCLONE WRC16 1656297-5 WET-TYPE dust collector (AC-39-1) and an AAF-ROTOCLONE WRC24 1656297-7 WET-TYPE dust collector (AC-39-2) on cooler side; and steam-heated dryer served by an AAF-ROTOCLONE W33 WET-TYPE dust collector (AC-41). [District Rule 2201] Federally Enforceable Through Title V Permit
9. The finished cereal scalp and conveyance system shall consist of the following: finish cereal conveyors served by a shared FLEX-KLEEN MODEL 58WSBC81-III dust collector (AC-44) (shared with permit unit N-355-1); scalper served by a shared FLEX-KLEEN 58CTBC54-III-G dust collector (AC-68) (shared with permit unit N-355-1); scalper served by a FLEX-KLEEN MODEL 58USBC144-III dust collector (AC-53); two weight feeders (Central and North) served by an American Air Filter Rotoclone Model B Arrangement A Type W Size 20 Wet-Type dust collector (AC-106, shared with other emission units listed in this permit and permit N-355-1). [District Rule 2201]
10. PM10 emissions from this permit unit shall not exceed 30.5 lb/day. [District Rule 2201]
11. The operator shall maintain the following water flow rates: a.) at least 1.0 gpm for AAF-Rotoclone Model W12 dust collector (AC-26), b.) at least 1.8 gpm for Ducon Model UW3-30 dust collector (AC-42), c.) at least 2.0 gpm for AAF-Rotoclone Model WRC16 1656297-5 dust collector (AC-39-1), d.) at least 3.5 gpm for AAF-Rotoclone Model WRC24 1656297-7 dust collector (AC-39-2), e.) at least 4.0 gpm for AAF Model W33 dust collector (AC-41), and f.) at least 3.5 gpm for the American Air Filter Rotoclone Model B Arrangement A Type W Size 20 WET-TYPE dust collector (AC-106, shared with N-355-2). [District Rule 2201]
12. Material removed from each dust collector (wet or dry) shall be disposed of in a manner preventing entrainment into the atmosphere. [District Rule 2201] Federally Enforceable Through Title V Permit
13. The cleaning frequency and duration of each dust collector (wet or dry) shall be adjusted to optimize the control efficiency. [District Rule 2201] Federally Enforceable Through Title V Permit
14. Replacement bags numbering at least 10% of the total number of bags in the largest dust collector (dry), and for each type of bag, shall be maintained on the premises. [District Rule 2201] Federally Enforceable Through Title V Permit

CONDITIONS CONTINUE ON NEXT PAGE

15. Visible emissions from cyclones and dust collectors (wet or dry) that are in operation shall be checked quarterly. If visible emissions are observed, corrective action shall be taken to eliminate visible emissions. If visible emissions cannot be corrected within 24 hours, a visible emissions test using EPA Method 9 shall be conducted. [District Rule 2201] Federally Enforceable Through Title V Permit
16. Cyclones and dust collectors (wet or dry) shall be completely inspected annually for evidence of particulate matter breakthrough and repaired as needed. [District Rule 2201] Federally Enforceable Through Title V Permit
17. Dust collector (dry) filters shall be thoroughly inspected annually for tears, scuffs, abrasions, holes, or any evidence of particulate matter breakthrough and shall be replaced as needed. [District Rule 2201] Federally Enforceable Through Title V Permit
18. Records of cyclones and dust collectors (wet or dry) maintenance, inspections, and repair shall be maintained. The records shall include identification of the equipment, date of inspection, corrective action taken, and identification of the individual performing the inspection. [District Rule 2201] Federally Enforceable Through Title V Permit
19. Particulate matter emissions shall not exceed the hourly rate as calculated in District Rule 4202 using the equation $E=3.59 \times P^{0.62}$ if P is less than or equal to 30 tons per hour, or $E=17.37 \times P^{0.62}$ if P is greater than 30 tons per hour (amended December 17, 1992). [District Rule 4202] Federally Enforceable Through Title V Permit
20. Water flow rate of each dust collector (wet) shall be monitored and recorded quarterly during operation of this unit. [District Rule 2201] Federally Enforceable Through Title V Permit
21. The permittee shall maintain records sufficient to demonstrate compliance with each emission limit and permit requirement. These records shall contain each calculated emission quantity as well as each process variable used in the respective calculations. [District Rules 1070 and 2201] Federally Enforceable Through Title V Permit

ATTACHMENT C

Emissions Increases

	SSIPE (lb/yr)				
	NOx	VOC	CO	SOx	PM10
N-355-1	0	0	0	0	-182
N-355-2	0	0	0	0	-255
TOTAL	0	0	0	0	-437

ATTACHMENT D

Application

San Joaquin Valley Air Pollution Control District

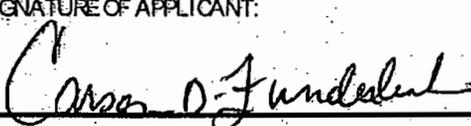
www.valleyair.org

Permit Application For:

ADMINISTRATIVE AMENDMENT

MINOR MODIFICATION

SIGNIFICANT MODIFICATION

1. PERMIT TO BE ISSUED TO: <u>General Mills Operations, Inc.</u>	
2. MAILING ADDRESS:	
STREET/P.O. BOX: <u>PO Box 3002</u>	
CITY: <u>Lodi</u>	STATE: <u>CA</u> 9-DIGIT ZIP CODE: <u>95241-1906</u>
3. LOCATION WHERE THE EQUIPMENT WILL BE OPERATED:	INSTALLATION DATE
STREET: <u>2000 W. Turner Rd.</u> CITY: <u>Lodi</u>	
<u> </u> 1/4 SECTION <u> </u> TOWNSHIP <u> </u> RANGE <u> </u>	
4. GENERAL NATURE OF BUSINESS: <u>Manufacturer of RTE cereals and baking mixes.</u>	
5. DESCRIPTION OF EQUIPMENT OR MODIFICATION FOR WHICH APPLICATION IS MADE: (Include Permit #s if known, and use additional sheets if necessary)	
<u>Project Number N-1110245 Permits N-355-1-9 & N-355-2-9 Process Equipment Exhaust Handling with Wet Collector (AC-106). Install a wet collector to handle warm, moist air from multiple exhaust points at various process locations presently exhausted into the production area.</u>	
For questions regarding this application, contact Wade Broughton	
6. TYPE OR PRINT NAME OF APPLICANT: <u>Carson Funderburk</u>	TITLE OF APPLICANT: <u>Plant Manager</u>
7. SIGNATURE OF APPLICANT: 	DATE: <u>4/29/11</u>
	PHONE: <u>(209)334-7090</u> FAX: <u>(209)334-7090</u> EMAIL: <u>wade.broughton@genmills.com</u>

For APCD Use Only

<p>RECEIVED</p> <p>DATE STAMP</p> <p>MAY 11 2011</p> <p>SJVAPCD NORTHERN REGION</p>	<p>FILING FEE RECEIVED: \$ <u>0</u> CHECK# <u> </u></p>
	<p>DATE PAID: <u> </u></p> <p>PROJECT NO: <u>N1110245</u> FACILITY ID: <u>N-355</u></p>

Central Regional Office • 1990 E. Gettysburg Avenue • Fresno, CA 93726-0244 • (559) 230-5900 • FAX (559) 230-6061

**San Joaquin Valley
Unified Air Pollution Control District**

TITLE V MODIFICATION - COMPLIANCE CERTIFICATION FORM

I. TYPE OF PERMIT ACTION (Check appropriate box)

- SIGNIFICANT PERMIT MODIFICATION ADMINISTRATIVE AMENDMENT
 MINOR PERMIT MODIFICATION

COMPANY NAME: General Mills Operations, Inc.	FACILITY ID: N -- 355
1. Type of Organization: <input checked="" type="checkbox"/> Corporation <input type="checkbox"/> Sole Ownership <input type="checkbox"/> Government <input type="checkbox"/> Partnership <input type="checkbox"/> Utility	
2. Owner's Name: General Mills Operations, Inc.	
3. Agent to the Owner:	

II. COMPLIANCE CERTIFICATION (Read each statement carefully and initial all circles for confirmation):

- Based on information and belief formed after reasonable inquiry, the equipment identified in this application will continue to comply with the applicable federal requirement(s).
- Based on information and belief formed after reasonable inquiry, the equipment identified in this application will comply with applicable federal requirement(s) that will become effective during the permit term, on a timely basis.
- Corrected information will be provided to the District when I become aware that incorrect or incomplete information has been submitted.
- Based on information and belief formed after reasonable inquiry, information and statements in the submitted application package, including all accompanying reports, and required certifications are true accurate and complete.

I declare, under penalty of perjury under the laws of the state of California, that the foregoing is correct and true:

Carson D. Funderburk
Signature of Responsible Official

April 19, 2011
Date

Carson Funderburk
Name of Responsible Official (please print)

Plant Manager
Title of Responsible Official (please print)

ATTACHMENT E

Previous Title V Operating Permits
N-355-1-7 and N-355-2-7

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-355-1-7

EXPIRATION DATE: 04/30/2016

EQUIPMENT DESCRIPTION:

CEREAL PLANT SYSTEM (PUFF II) SERVED BY SIX CYCLONES, TWO SCRUBBERS, AND THREE BAGHOUSES

PERMIT UNIT REQUIREMENTS

1. Material dispensing system shall consists of the following: flour dispensing from bulk storage silo to day bins served by a FLEX-KLEEN MODEL 58CTBC18IIIG dust collector (AC-1); sweetener dispensing from bulk storage silo to day bins served by a FLEX-KLEEN MODEL 10PBVBL9II dust collector (AC-3); multiple product dispensing into day bins served by a FABRIC FILTER CORP OR MAC MODEL 88AVRF0602 dust collector (AC-62); material dispensing from bin #57 to day bins served by a shared HAF EQUIPMENT MODEL 36CF14S3G dust collector (AC-77) (shared with permit unit N-355-2); dry sweetener dispensing operation from bulk storage silo to day bins served by a shared FLEX-KLEEN MODEL 58CTBC14IIIG dust collector (AC-78) (shared with permit unit N-355-2); day bins served by a AERODYNE MODEL 12104-4 dust collector (AC-5), mixer served by a AERODYNE MODEL 120060089 dust collector (AC-12); regrinds dispensing to a mixer served by a MAC MODEL 18BV4 dust collector (AC-79); wheat germ dispensing from bins to mixed-material product receiver served by a MAC MODEL 36AVR14-III dust collector (AC-45); and mixed-material product receiver served by a HAF EQUIPMENT MODEL 58CT3283 dust collector (AC-100). [District Rule 2201] Federally Enforceable Through Title V Permit
2. Material cooking system shall consists of the following: transition hopper supplying mixed material to cookers served by a HAF EQUIPMENT MODEL 18BV4 dust collector (AC-102); steam-jacketed cookers, receiver, and steam-heated dryer served by a BOEDECKER DCP-30-196M168-38-G dust collector (AC-17); cyclone receiver and dry dough handling system consists of a screw conveyor and five electrically-heated conveyors served by a shared AAF-ROTOCLONE MODEL W12 WET-TYPE dust collector (AC-26) (shared with permit unit N-355-2). [District Rule 2201] Federally Enforceable Through Title V Permit
3. Puff system shall consists of the following: five permit-exempt natural gas-fired superheaters (0.5 MMBTU/HR each) serving five puff-formers; five post-puff-former cyclone receivers delivering product to a receiver on 4th floor which is served by a KICE MODEL VR32-6H dust collector (AC-76) and a scalper. [District Rule 2201] Federally Enforceable Through Title V Permit
4. Cereal flavor spraying and drying system shall consists of the following: enrobbers served by a DUCON MODEL UW3-21 WET-TYPE dust collector (AC-38); steam-heated dryer served by an AAF-ROTOCLONE W24 WET-TYPE dust collector (AC-37-1) and an AAF-ROTOCLONE WRC12 WET-TYPE dust collector (AC-37-2) on cooler side. [District Rule 2201] Federally Enforceable Through Title V Permit
5. Finished cereal scalp and conveyance system shall consists of the following: finish cereal conveyors served by a shared FLEX-KLEEN MODEL 58WSBC81-III dust collector (AC-44) (shared with permit unit N-355-2); scalper served by a shared FLEX-KLEEN MODEL 58CTBC54-IIIG dust collector (AC-68) (shared with permit unit N-355-2); scalper served by a BUHLER MODEL ASFA-44 dust collector (AC-43); material dispensing from dry minor ingredient bins to the cereal served by an AAF MODEL W840144 WET-TYPE dust collector (AC-75). [District Rule 2201] Federally Enforceable Through Title V Permit
6. Particulate matter emissions shall not exceed 0.1 grain/dscf. [District Rule 4201] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE.

These terms and conditions are part of the Facility-wide Permit to Operate.

7. PM10 emissions from this permit unit shall not exceed 25.3 lb/day. [District Rule 2201] Federally Enforceable Through Title V Permit
8. The operator shall maintain the following water flow rates: a.) at least 1.0 gpm for AAF-Rotoclone Model W12 dust collector (AC-26), b.) at least 0.7 gpm for Ducon Model UW3-21 dust collector (AC-38), c.) at least 3.5 gpm for AAF-Rotoclone Model W24 dust collector (AC-37-1), d.) at least 1.0 gpm for AAF-Rotoclone Model WRC12 dust collector (AC-37-2), and e.) at least 1.5 gpm for AAF Model W840144 dust collector (AC-75). [District Rule 2201] Federally Enforceable Through Title V Permit
9. Visible emissions from the exhaust of each dust collector (wet or dry) shall not equal or exceed 5% opacity for a period or periods aggregating more than three minutes in any one hour. [District Rule 2201] Federally Enforceable Through Title V Permit
10. Material removed from each dust collector (wet or dry) shall be disposed of in a manner preventing entrainment into the atmosphere. [District Rule 2201] Federally Enforceable Through Title V Permit
11. The cleaning frequency and duration of each dust collector (wet or dry) shall be adjusted to optimize the control efficiency. [District Rule 2201] Federally Enforceable Through Title V Permit
12. Replacement bags numbering at least 10% of the total number of bags in the largest dust collector (dry), and for each type of bag, shall be maintained on the premises. [District Rule 2201] Federally Enforceable Through Title V Permit
13. Visible emissions from cyclones and dust collectors (wet or dry) that are in operation shall be checked daily. If visible emissions are observed, corrective action shall be taken to eliminate visible emissions. If visible emissions cannot be corrected within 24 hours, a visible emissions test using EPA Method 9 shall be conducted. [District Rule 2201 and 40 CFR 64] Federally Enforceable Through Title V Permit
14. Cyclones and dust collectors (wet or dry) shall be completely inspected annually for evidence of particulate matter breakthrough and repaired as needed. [District Rule 2201] Federally Enforceable Through Title V Permit
15. Dust collector (dry) filters shall be thoroughly inspected annually for tears, scuffs, abrasions, holes, or any evidence of particulate matter breakthrough and shall be replaced as needed. [District Rule 2201] Federally Enforceable Through Title V Permit
16. Records of cyclones and dust collectors (wet or dry) maintenance, inspections, and repair shall be maintained. The records shall include identification of the equipment, date of inspection, corrective action taken, and identification of the individual performing the inspection. [District Rule 2201] Federally Enforceable Through Title V Permit
17. Particulate matter emissions shall not exceed the hourly rate as calculated in District Rule 4202 using the equation $E=3.59 \times P^{0.62}$ if P is less than or equal to 30 tons per hour, or $E=17.37 \times P^{0.62}$ if P is greater than 30 tons per hour (amended December 17, 1992). [District Rule 4202] Federally Enforceable Through Title V Permit
18. Water flow rate of each dust collector (wet) shall be monitored and recorded daily during operation of this unit. [District Rule 2201 and 40 CFR 64] Federally Enforceable Through Title V Permit
19. The permittee shall maintain records sufficient to demonstrate compliance with each emission limit and permit requirement. These records shall contain each calculated emission quantity as well as each process variable used in the respective calculations. [District Rules 1070 and 2201] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-355-2-7

EXPIRATION DATE: 04/30/2016

EQUIPMENT DESCRIPTION:

CEREAL PLANT SYSTEM (PUFF I) SERVED BY NINE CYCLONES, FIVE BAGHOUSES, ONE SCRUBBER AND A FINISHED PRODUCT TRIPLE S DYNAMICS S-30 SCALPER (A-53) VENTED TO A FLEX KLEEN 58-WSBC-144-III-G DUST COLLECTOR (AC-53)

PERMIT UNIT REQUIREMENTS

1. Material dispensing system shall consist of the following: flour dispensing from bulk storage silo to day bins served by a FLEX-KLEEN MODEL 36CTBC18-III-G dust collector (AC-60); flour scale aspirator served by a FLEX-KLEEN MODEL 36BVBC36-III-G dust collector (AC-61); material dispensing from bin #57 to day bins served by a shared HAF EQUIPMENT MODEL 36CF14S3G dust collector (AC-77) (shared with permit unit N-355-1); dry sweetener dispensing from bulk storage silo to day bins served by a shared FLEX KLEEN MODEL 58CTBC14III-G (AC-78) (shared with permit unit N-355-1) and FLEX-KLEEN MODEL 10PBVBL9II dust collectors (AC-2); wet dough fines dispensing operation served by a FLEX-KLEEN MODEL 58-CTBS-8-II dust collector (AC-64); day bins served by an AERODYNE MODEL 12104-4 dust collector (AC-4); mixer served by an AERODYNE MODEL 120060088 dust collector (AC-11); regrinds dispensing to a mixer served by a MAC MODEL 88-AVR-06-026 dust collector (AC-80); wheat germ dispensing from bins to mixed-material product receiver served by a MAC MODEL 36AVR14-III dust collector (AC-45); mixed-material product receiver served by a HAF EQUIPMENT MODEL 58CT3283 dust collector (AC-101). [District Rule 2201] Federally Enforceable Through Title V Permit
2. Material cooking system shall consist of the following: transition hopper supplying mixed material to cookers served by a HAF EQUIPMENT MODEL 18BV4 dust collector (AC-103); steam-jacketed cookers, receiver and steam-heated dryer served by a BOEDECKER DCP-30-196M168-38-G dust collector (AC-15); cyclone receiver and dry dough handling system consists of a screw conveyor and five electrically-heated conveyors served by a shared AAF-ROTOCLONE MODEL W12 WET-TYPE dust collector (AC-26) (shared with permit unit N-355-1). [District Rule 2201] Federally Enforceable Through Title V Permit
3. Puff system shall consist of the following: five permit-exempt natural gas-fired superheaters (0.5 MMBTU/HR each) serving five puff-formers; five post-former cyclone receivers delivering product to a scalper on 3rd floor. [District Rule 2201] Federally Enforceable Through Title V Permit
4. Cereal-flavor spraying and drying system shall consist of the following: enrobbers served by a DUCON MODEL UW3-30 WET-TYPE dust collector (AC-42); steam-heated dryer served by an AAF-ROTOCLONE WRC16 1656297-5 WET-TYPE dust collector (AC-39-1) and an AAF-ROTOCLONE WRC24 1656297-7 WET-TYPE dust collector (AC-39-2) on cooler side; and steam-heated dryer served by an AAF-ROTOCLONE W33 WET-TYPE dust collector (AC-41). [District Rule 2201] Federally Enforceable Through Title V Permit
5. Finished cereal scalp and conveyance system shall consist of the following: finish cereal conveyors served by a shared FLEX-KLEEN MODEL 58WSBC81-III dust collector (AC-44) (shared with permit unit N-355-1); scalper served by a shared FLEX-KLEEN 58CTBC54-III-G dust collector (AC-68) (shared with permit unit N-355-1); scalper served by a FLEX-KLEEN MODEL 58USBC144-III dust collector (AC-53). [District Rule 2201] Federally Enforceable Through Title V Permit
6. Particulate matter emissions shall not exceed 0.1 grain/dscf. [District Rule 4201] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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7. Visible emissions from the exhaust of each dust collector (wet or dry) shall not equal or exceed 5% opacity for a period or periods aggregating more than three minutes in any one hour. [District Rule 2201] Federally Enforceable Through Title V Permit
8. PM10 emissions from this permit unit shall not exceed 28.7 lb/day. [District Rule 2201] Federally Enforceable Through Title V Permit
9. The operator shall maintain the following water flow rates: a.) at least 1.0 gpm for AAF-Rotoclone Model W12 dust collector (AC-26), b.) at least 1.8 gpm for Ducon Model UW3-30 dust collector (AC-42), c.) at least 2.0 gpm for AAF-Rotoclone Model WRC16.1656297-5 dust collector (AC-39-1), d.) at least 3.5 gpm for AAF-Rotoclone Model WRC24.1656297-7 dust collector (AC-39-2), and e.) at least 4.0 gpm for AAF Model W33 dust collector (AC-41). [District Rule 2201] Federally Enforceable Through Title V Permit
10. Material removed from each dust collector (wet or dry) shall be disposed of in a manner preventing entrainment into the atmosphere. [District Rule 2201] Federally Enforceable Through Title V Permit
11. The cleaning frequency and duration of each dust collector (wet or dry) shall be adjusted to optimize the control efficiency. [District Rule 2201] Federally Enforceable Through Title V Permit
12. Replacement bags numbering at least 10% of the total number of bags in the largest dust collector (dry), and for each type of bag, shall be maintained on the premises. [District Rule 2201] Federally Enforceable Through Title V Permit
13. Visible emissions from cyclones and dust collectors (wet or dry) that are in operation shall be checked daily. If visible emissions are observed, corrective action shall be taken to eliminate visible emissions. If visible emissions cannot be corrected within 24 hours, a visible emissions test using EPA Method 9 shall be conducted. [District Rule 2201 and 40 CFR 64] Federally Enforceable Through Title V Permit
14. Cyclones and dust collectors (wet or dry) shall be completely inspected annually for evidence of particulate matter breakthrough and repaired as needed. [District Rule 2201] Federally Enforceable Through Title V Permit
15. Dust collector (dry) filters shall be thoroughly inspected annually for tears, scuffs, abrasions, holes, or any evidence of particulate matter breakthrough and shall be replaced as needed. [District Rule 2201] Federally Enforceable Through Title V Permit
16. Records of cyclones and dust collectors (wet or dry) maintenance, inspections, and repair shall be maintained. The records shall include identification of the equipment, date of inspection, corrective action taken, and identification of the individual performing the inspection. [District Rule 2201] Federally Enforceable Through Title V Permit
17. Particulate matter emissions shall not exceed the hourly rate as calculated in District Rule 4202 using the equation $E=3.59 \times P^{0.62}$ if P is less than or equal to 30 tons per hour, or $E=17.37 \times P^{0.62}$ if P is greater than 30 tons per hour (amended December 17, 1992). [District Rule 4202] Federally Enforceable Through Title V Permit
18. Water flow rate of each dust collector (wet) shall be monitored and recorded daily during operation of this unit. [District Rule 2201 and 40 CFR 64] Federally Enforceable Through Title V Permit
19. The permittee shall maintain records sufficient to demonstrate compliance with each emission limit and permit requirement. These records shall contain each calculated emission quantity as well as each process variable used in the respective calculations. [District Rules 1070 and 2201] Federally Enforceable Through Title V Permit

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