

**MAY 14 2013**

Gerardo C. Rios, Chief  
Permits Office (AIR-3)  
U.S. EPA - Region IX  
75 Hawthorne St  
San Francisco, CA 94105

**Re: Notice of Final Action - Minor Title V Permit Modification  
District Facility # N-355  
Project # N-1123695**

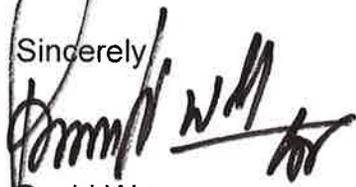
Dear Mr. Rios:

The Air Pollution Control Officer has modified the Title V permit for General Mills Operations, Inc. by incorporating Authorities to Construct N-355-2-11 and '-5-7. This project was to remove a scalper and dust collector system from the cereal manufacturing line under permit N-355-2, and install a new bagging and packaging line to the existing cereal packaging system under permit N-355-5.

Enclosed is the modified Title V permit. The application and proposal were sent to US EPA Region IX on January 9, 2013. No comments were received following the District's preliminary decision on this project.

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

Sincerely,



David Warner  
Director of Permit Services

DW: JK

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)**  
1990 E. Gettysburg Avenue  
Fresno, CA 93726-0244  
Tel: (559) 230-6000 FAX: (559) 230-6061  
[www.valleyair.org](http://www.valleyair.org) [www.healthyliving.com](http://www.healthyliving.com)

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

# San Joaquin Valley Air Pollution Control District

**PERMIT UNIT:** N-355-2-12

**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 Rules 2201 and 4102] 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-IIIG 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 58CTBC14IIIG (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-IIIG dust collector (AC-68) (shared with permit unit N-355-1); 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. The baghouses shall be equipped with a pressure differential gauge to indicate the pressure drop across the bags. The gauges shall be maintained in good working condition at all times and shall be located in an easily accessible location. [District Rule 2201] Federally Enforceable Through Title V Permit
17. The differential pressure, as indicated by the pressure differential gauge associated with each baghouse, shall stay within the operating range of 0.1 to 8 inches of water column. [District Rule 2201] Federally Enforceable Through Title V Permit
18. Differential operating pressure shall be monitored and recorded on each day that the baghouses operate. [District Rule 2201] Federally Enforceable Through Title V Permit
19. Records of all maintenance of the baghouses, including all change outs of filter media, shall be maintained. [District Rule 2201] Federally Enforceable Through Title V Permit
20. 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

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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

21. 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
22. 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
23. 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
24. 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.

# San Joaquin Valley Air Pollution Control District

**PERMIT UNIT:** N-355-5-8

**EXPIRATION DATE:** 04/30/2016

**EQUIPMENT DESCRIPTION:**

CEREAL PLANT PACKAGING SYSTEM: TWIN PACK LINE A SERVED BY A FLEX-KLEEN MODEL 20 PCBK3 III DUST COLLECTOR (AC-48), TWIN PACK LINE B SERVED BY A FLEX-KLEEN MODEL 20 PCBL3 III DUST COLLECTOR (AC-49), LINE 4 BAGGING AND PACKAGING SERVED BY A FLEX-KLEEN MODEL 58USBC144-III DUST COLLECTOR (AC-53), 8 SCALES SERVED BY 4 BOEDECKER MODEL DC-58-144-3B DUST COLLECTORS (2 SCALES/DUST COLLECTOR), 8 BAGGERS EACH SERVED BY A DEDICATED BOEDECKER MODEL RDP-25-3-3-B DUST COLLECTOR, WHICH ARE ALL VENTED TO A FLEX-KLEEN CYCLONIC RECEIVER WITH SOCK FILTER (AC-89), CEREAL FILLING STATION (A-104) SERVED BY A DUST COLLECTION HOOD VENTED TO AN AMERICAN AIR FILTER MODEL B WET TYPE ROTOCLONE COLLECTOR (AC-104)

## PERMIT UNIT REQUIREMENTS

---

1. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201] Federally Enforceable Through Title V Permit
2. All equipment shall be maintained in good operating condition and shall be operated in a manner to minimize emissions of air contaminants into the atmosphere. [District Rule 2201] Federally Enforceable Through Title V Permit
3. Visible emissions from 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 Rules 2201 and 4102] Federally Enforceable Through Title V Permit
4. Visible emissions from baghouses and cyclones 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 2520] Federally Enforceable Through Title V Permit
5. Dust collection systems shall be completely inspected annually for evidence of particulate matter breakthrough and repaired as needed. [District Rule 2520] Federally Enforceable Through Title V Permit
6. Baghouse dust collector 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 2520] Federally Enforceable Through Title V Permit
7. PM10 emissions from this permit unit shall not exceed 0.5 lb/day. [District Rule 2201] Federally Enforceable Through Title V Permit
8. The baghouses shall be equipped with a pressure differential gauge to indicate the pressure drop across the bags. The gauges shall be maintained in good working condition at all times and shall be located in an easily accessible location. [District Rule 2201] Federally Enforceable Through Title V Permit
9. The differential pressure, as indicated by the pressure differential gauge associated with each baghouse, shall stay within the operating range of 0.1 to 8 inches of water column. [District Rule 2201] Federally Enforceable Through Title V Permit
10. Differential operating pressure shall be monitored and recorded on each day that the baghouses operate. [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.

11. Records of all maintenance of the baghouses, including all change outs of filter media, shall be maintained. [District Rule 2201] Federally Enforceable Through Title V Permit
12. 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
13. Records of dust collector 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 2520] Federally Enforceable Through Title V Permit
14. 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
15. All records shall be retained for a period of at least five years and shall be made available for District inspection upon request. [District Rule 1070] Federally Enforceable Through Title V Permit

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