



NOV 19 2009

Jim Sears
Central California Almond Growers Association
P.O. Box 338
Kerman, CA 93630

Re: Notice of Preliminary Decision - Authority to Construct
Project Number: C-1093229

Dear Mr. Sears:

Enclosed for your review and comment is the District's analysis of Central California Almond Growers Association's application for an Authority to Construct for modification of almond precleaning #1, precleaning #2, shelling #2, huller/sheller #1, shell storage silos, precleaning #3, huller/sheller #3, huller/sheller #4, to increase days per year operation from 146 to 147.98 per year, at 8325 S Madera Avenue in Kerman, CA.

The notice of preliminary decision for this project will be published approximately three days from the date of this letter. Please submit your written comments on this project within the 30-day public comment period which begins on the date of publication of the public notice.

Thank you for your cooperation in this matter. If you have any questions regarding this matter, please contact Mr. Renald Harris of Permit Services at (559) 230-5890.

Sincerely,

David Warner
Director of Permit Services

DW:rh

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

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



NOV 19 2009

Mike Tollstrup, Chief
Project Assessment Branch
Stationary Source Division
California Air Resources Board
PO Box 2815
Sacramento, CA 95812-2815

Re: Notice of Preliminary Decision - Authority to Construct
Project Number: C-1093229

Dear Mr. Tollstrup:

Enclosed for your review and comment is the District's analysis of Central California Almond Growers Association's application for an Authority to Construct for modification of almond precleaning #1, precleaning #2, shelling #2, huller/sheller #1, shell storage silos, precleaning #3, huller/sheller #3, huller/sheller #4, to increase days per year operation from 146 to 147.98 per year, at 8325 S Madera Avenue in Kerman, CA.

The notice of preliminary decision for this project will be published approximately three days from the date of this letter. Please submit your written comments on this project within the 30-day public comment period which begins on the date of publication of the public notice.

Thank you for your cooperation in this matter. If you have any questions regarding this matter, please contact Mr. Renald Harris of Permit Services at (559) 230-5890.

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Fresno Bee
Fresno Bee

**NOTICE OF PRELIMINARY DECISION
FOR THE PROPOSED ISSUANCE OF
AN AUTHORITY TO CONSTRUCT**

NOTICE IS HEREBY GIVEN that the San Joaquin Valley Unified Air Pollution Control District solicits public comment on the proposed issuance of Authority to Construct to Central California Almond Growers Association for modification of almond precleaning #1, precleaning #2, shelling #2, huller/sheller #1, shell storage silos, precleaning #3, huller/sheller #3, huller/sheller #4, to increase days per year operation from 146 to 147.98 per year, at 8325 S Madera Avenue in Kerman, CA.

The analysis of the regulatory basis for this proposed action, Project #C-1093229, is available for public inspection at the District office at the address below. Written comments on this project must be submitted within 30 days of the publication date of this notice to **DAVID WARNER, DIRECTOR OF PERMIT SERVICES, SAN JOAQUIN VALLEY UNIFIED AIR POLLUTION CONTROL DISTRICT, 1990 EAST GETTYSBURG AVENUE, FRESNO, CA 93726.**

San Joaquin Valley Air Pollution Control District
Authority to Construct Application Review
(Increase the Number of Days of Operation)

Facility Name: Central California Almond Growers Association Date: October 12, 2009
Mailing Address: P.O. Box 338 Engineer: Renald Harris
Kerman, CA 93630 Lead Engineer: Joven Refuerzo

Contact Person: Jim Sears
Telephone: (559) 846-5377

Application #(s): C-258-1-3, '-2-4, '-3-4, '-4-4, '-5-4, '-9-2, '-10-2 and '-11-2

Project #: C-1093229

Deemed Complete: August 6, 2009

I. Proposal

The primary business of Central California Almond Growers Association (CCAGA) at the Kerman facility is the processing of almond for sell or marketing. The applicant proposes to revised emission factor for permit C-258-2 to reflect 2005 source test results (see Appendix A), and revised emission factors for permits C-258-1, C-258-3, C-258-5, C-258-9, and C-285-10 to reflect 2006 source test results (see Appendix A). Additionally, the applicant proposes to increase the number of days of operation from 146 days per year to 149.32 days per year. This increase in annual operational days will increase the annual emissions above the offset threshold for PM₁₀ emissions. Emission Reduction Credits (ERC) are being provided under ERC banking project number C-1083915, the shutdown of almond process #1 (CCAGA in Sanger, Permit Number C-250-2-1).

Per applicant, ATCs C-258-1-2, C-258-2-3, C-258-3-3, C-258-4-3, C-258-5-3, C-258-9-1, C-258-10-1 and C-258-11-1 (see Appendix B) will be cancelled upon implementation of the modification and startup of the equipment authorized by this project's ATCs. The following condition will be added to each ATC for this project to ensure compliance:

- *Upon implementation of the modification and startup of the equipment authorized by these Authorities to Construct (ATCs), ATCs C-258-1-2, C-258-2-3, C-258-3-3, C-258-4-3, C-258-5-3, C-258-9-1, C-258-10-1 and C-258-11-1 shall be cancelled. [District Rule 2201]*

The almond processing operation is currently permitted under PTOs #C-258-1-0, C-258-2-1, C-258-3-1, C-258-4-1, and C-258-5-1 (see Appendix C).

II. Applicable Rules

Rule 2201 New and Modified Stationary Source Review Rule (9/21/06)
Rule 2520 Federally Mandated Operating Permits (6/21/01)
Rule 4001 New Source Performance Standards (4/14/99)
Rule 4002 National Emissions Standards for Hazardous Air Pollutants (5/20/04)
Rule 4101 Visible emissions (2/17/05)
Rule 4102 Nuisance (12/17/92)
Rule 4201 Particulate emissions (12/17/92)
Rule 4202 Particulate Matter Emission Rate (12/17/92)
CH&SC 41700 Health Risk Assessment
CH&SC 42301.6 School Notice
Public Resources Code 21000-21177: California Environmental Quality Act (CEQA)
California Code of Regulations, Title 14, Division 6, Chapter 3, Sections 15000-15387:
CEQA Guidelines

III. Project Location

The facility is located at 8325 S Madera Avenue in Kerman, CA. The equipment is not located within 1,000 feet of the outer boundary of a K-12 school. Therefore, the public notification requirement of California Health and Safety Code 42301.6 is not applicable to this project.

IV. Process Description

Almonds are received after being harvested in the field. The almonds are then routed to a pre-cleaner. The first stage of the pre-cleaner is a chain screen where large sticks and branches are removed. After the chain screen the almonds are passed over a vibrating screen where sand, dirt clods, and small stones are removed from the in-hull almonds before being passed over a destoner for further processing. After the destoner the in-hull almonds are processed through a detwigger for removal of small twigs and sticks before the almonds are conveyed to storage tanks. Dust control for the proposed pre-cleaner section of the processing line consists of process vacuum air to operate the de-stoners and the de-twiggers being routed to a baghouse,.

The pre-cleaned in-hull almonds are then conveyed from the storage tanks to a vibrating screen where the almonds are separated into three fractions; in-hull and hull, in-shell and in-hull, and meats and hull. The in-hull and hull fraction of almonds are passed through an air classifier for removal of loose hulls. The in-hull and in-shell fraction are conveyed to shear rolls where the hull is removed. This fraction is then passed over a vibrating screen where the almonds are then separated into three fractions; in-hull and hull, in-shell and in-hull, and meats and hull. The in-hull and hull fraction is again passed through an air classifier for removal of loose hulls. The in-shell and in-hull fraction are again conveyed to shear rolls where the hull is removed. The meats and hulls fraction extracted from the vibrating screens are then passed over a sectionalized vibrating screen conveyor for removal of the loose hulls.

After these first three processing stages all of the in-shell almonds are conveyed to several shear roll stages where the shells are removed. The in-shell almonds from each shear roll stage are conveyed to shear rolls with progressively narrower gaps between the shear rollers. This process shells the almonds as they decrease in size.

All of the meats from the hulling and shelling stages are conveyed over vibrating screens where the hulls, the meats and hulls, and the split meats are removed. The meats and hulls are passed through an air classifier for removal of the hull fragments. The split meats are then passed through an air classifier for hull fragment removal. After hull removal the meats are conveyed to specific gravity separators where hull particles and small in-shell almonds are removed. The light fraction from the specific gravity separators is conveyed to a fluidizer where loose meats and the small in-shell almonds are removed. The small in-shell almonds are then passed through a shear roll to be shelled. After the shear rolls the small in-shell almonds are passed over a vibrating screen where hull fragments, split meats, and the meat hull-mix are separated into fractions. The meat hull-mix fraction is passed through an additional fluidizer where small almond meats are removed and the light fraction of hulls is discharged. The clean almond meats from the gravity separators are then conveyed to containers for shipment to almond handlers for final processing and subsequent distribution to retail outlets.

Hulls from all removal locations on the almond processing lines are conveyed by a network of screw conveyors and vertical connecting bucket elevators to storage buildings and outside storage.

V. Equipment Listing

Pre-Project Equipment Description:

- C-258-1-2: 223 HP ALMOND PRECLEANING OPERATION #1 CONSISTING OF ONE (1) RECEIVING PIT, ONE (1) STICKREEL, ONE (1) DESTONER, THREE (3) DIRT CONVEYORS, AND TWO (2) SAND SCREENS, SERVED BY A SAUNCO BAGHOUSE MODEL 2-32, AND TWO CYCLONES SERVING THE DESTONER
- C-258-2-3: 248 HP ALMOND PRECLEANING OPERATION #2 CONSISTING OF CONVEYORS, ELEVATORS, DESTONER, DETWIGGERS, TEXAS SHAKERS, STICKREEL, AUGERS, PUMP, AND AIR COMPRESSOR, SERVED BY ONE (1) MAC MODEL 144MCF572 BAGHOUSE
- C-258-3-3: 636 HP ALMOND SHELLING OPERATION #2 CONSISTING OF AUGERS, CONVEYORS, ELVATORS, TURRENT DRIVES, DESTONERS, ROLLERS, CRACKERS, AND AUGERS SERVED BY TWO MAC MODEL 144MCF572 BAGHOUSES
- C-258-4-3: 642 HP ALMOND HULLER AND SHELLER #1 CONSISTING OF SCREENS, CRACKERS, SHEAR ROLLS, CONVEYORS, AUGERS, AND ELEVATORS SERVED BY MAC MODEL 144MCF255 AND SAUNCO 5-3200 BAGHOUSES

- C-258-5-3: FOUR SHELL STORAGE SILOS SERVED BY A MAC MODEL 96AVS16 FABRIC COLLECTOR BAGHOUSE
- C-258-9-1: 478 HP ALMOND PRE-CLEANING OPERATION #3 CONSISTING OF: CONVEYORS, ELEVATORS, AUGERS, A DESTONER, AND A 72" X 60" DETWIGGER ALL CONTROLLED WITH A LMC MODEL 780LP12T BAGHOUSE AND A FAN EQUIPMENT MODEL 600BCS 90,000 CFM EXHAUST FAN
- C-258-10-1: 1,599.45 HP ALMOND HULLER AND SHELLER OPERATION #3 CONSISTING OF: SCREENS, CRACKERS, SHEAR ROLLERS, CONVEYORS, AUGERS, AND ELEVATORS ALL CONTROLLED WITH A LMC MODEL 882LP12T BAGHOUSE AND A FAN EQUIPMENT MODEL 660BCS 130,000 CFM EXHAUST FAN
- C-258-11-1: 1,599.45 HP ALMOND HULLER AND SHELLER OPERATION #4 CONSISTING OF: SCREENS, CRACKERS, SHEAR ROLLERS, CONVEYORS, AUGERS, AND ELEVATORS ALL CONTROLLED WITH A LMC MODEL 882LP12T BAGHOUSE AND A FAN EQUIPMENT MODEL 660BCS 130,000 CFM EXHAUST FAN

Proposed Modification:

- C-258-1-3: MODIFICATION OF 223 HP ALMOND PRECLEANING OPERATION #1 CONSISTING OF ONE RECEIVING PIT, ONE STICKREEL, ONE DESTONER, THREE DIRT CONVEYORS, AND TWO SAND SCREENS, SERVED BY A SAUNCO BAGHOUSE MODEL #2-32, AND TWO CYCLONES SERVING THE DESTONER: REVISE EMISSION FACTORS TO REFLECT 2006 SOURCE TEST RESULTS, AND INCREASE DAYS PER YEAR OF OPERATION FROM 146 DAYS PER YEAR TO 149.32 DAYS PER YEAR
- C-258-2-4: MODIFICATION OF 248 HP ALMOND PRECLEANING OPERATION #2 CONSISTING OF CONVEYORS, ELEVATORS, DESTONER, DETWIGGERS, TEXAS SHAKERS, STICKREEL, AUGERS, PUMP, AND AIR COMPRESSOR, SERVED BY ONE MAC MODEL #144MCF572 BAGHOUSE: REVISE EMISSION FACTORS TO REFLECT 2005 SOURCE TEST RESULTS, AND INCREASE DAYS PER YEAR OF OPERATION FROM 146 DAYS PER YEAR TO 149.32 DAYS PER YEAR
- C-258-3-4: MODIFICATION OF 636 HP ALMOND SHELLING OPERATION #2 CONSISTING OF AUGERS, CONVEYORS, ELEVATORS, TURRENT DRIVES, DESTONERS, ROLLERS, CRACKERS, AND AUGERS SERVED BY TWO MAC MODEL #144MCF572 BAGHOUSES: REVISE EMISSION FACTORS TO REFLECT 2006 SOURCE TEST RESULTS, AND INCREASE DAYS PER YEAR OF OPERATION FROM 146 DAYS PER YEAR TO 149.32 DAYS PER YEAR

- C-258-4-4: MODIFICATION OF 642 HP ALMOND HULLER AND SHELLER #1 CONSISTING OF SCREENS, CRACKERS, SHEAR ROLLS, CONVEYORS, AUGERS, AND ELEVATORS SERVED BY MAC MODEL #144MCF255 AND SAUNCO #5-3200 BAGHOUSES: INCREASE DAYS PER YEAR OF OPERATION FROM 146 DAYS PER YEAR TO 149.32 DAYS PER YEAR
- C-258-5-4: MODIFICATION OF FOUR SHELL STORAGE SILOS SERVED BY A MAC MODEL #96AVS16 FABRIC COLLECTOR BAGHOUSE: REVISE EMISSION FACTORS TO REFLECT 2006 SOURCE TEST RESULTS, AND INCREASE DAYS PER YEAR OF OPERATION FROM 146 DAYS PER YEAR TO 149.32 DAYS PER YEAR
- C-258-9-2: MODIFICATION OF 478 HP ALMOND PRE-CLEANING OPERATION #3 CONSISTING OF CONVEYORS, ELEVATORS, AUGERS, A DESTONER, AND A 72" X 60" DETWIGGER ALL CONTROLLED WITH A LMC MODEL 780LP12T BAGHOUSE AND A FAN EQUIPMENT MODEL 600BCS 90,000 CFM EXHAUST FAN: REVISE EMISSION FACTORS TO REFLECT 2006 SOURCE TEST RESULTS, AND INCREASE DAYS PER YEAR OF OPERATION FROM 146 DAYS PER YEAR TO 149.32 DAYS PER YEAR
- C-258-10-2: MODIFICATION OF 1,599.45 HP ALMOND HULLER AND SHELLER OPERATION #3 CONSISTING OF SCREENS, CRACKERS, SHEAR ROLLERS, CONVEYORS, AUGERS, AND ELEVATORS ALL CONTROLLED WITH A LMC MODEL 882LP12T BAGHOUSE AND A FAN EQUIPMENT MODEL 660BCS 130,000 CFM EXHAUST FAN: REVISE EMISSION FACTORS TO REFLECT 2006 SOURCE TEST RESULTS, AND INCREASE DAYS PER YEAR OF OPERATION FROM 146 DAYS PER YEAR TO 149.32 DAYS PER YEAR
- C-258-11-2: MODIFICATION OF 1,599.45 HP ALMOND HULLER AND SHELLER OPERATION #4 CONSISTING OF SCREENS, CRACKERS, SHEAR ROLLERS, CONVEYORS, AUGERS, AND ELEVATORS ALL CONTROLLED WITH A LMC MODEL 882LP12T BAGHOUSE AND A FAN EQUIPMENT MODEL 660BCS 130,000 CFM EXHAUST FAN: INCREASE DAYS PER YEAR OF OPERATION FROM 146 DAYS PER YEAR TO 149.32 DAYS PER YEAR

Post Project Equipment Description:

- C-258-1-3: 223 HP ALMOND PRECLEANING OPERATION #1 CONSISTING OF ONE (1) RECEIVING PIT, ONE (1) STICKREEL, ONE (1) DESTONER, THREE (3) DIRT CONVEYORS, AND TWO (2) SAND SCREENS, SERVED BY A SAUNCO BAGHOUSE MODEL 2-32, AND TWO CYCLONES SERVING THE DESTONER

- C-258-2-4: 248 HP ALMOND PRECLEANING OPERATION #2 CONSISTING OF CONVEYORS, ELEVATORS, DESTONER, DETWIGGERS, TEXAS SHAKERS, STICKREEL, AUGERS, PUMP, AND AIR COMPRESSOR, SERVED BY ONE (1) MAC MODEL 144MCF572 BAGHOUSE
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- C-258-4-4: 642 HP ALMOND HULLER AND SHELLER #1 CONSISTING OF SCREENS, CRACKERS, SHEAR ROLLS, CONVEYORS, AUGERS, AND ELEVATORS SERVED BY MAC MODEL 144MCF255 AND SAUNCO 5-3200 BAGHOUSES
- C-258-5-4: FOUR SHELL STORAGE SILOS SERVED BY A MAC MODEL 96AVS16 FABRIC COLLECTOR BAGHOUSE
- C-258-9-2: 478 HP ALMOND PRE-CLEANING OPERATION #3 CONSISTING OF CONVEYORS, ELEVATORS, AUGERS, A DESTONER, AND A 72" X 60" DETWIGGER ALL CONTROLLED WITH A LMC MODEL 780LP12T BAGHOUSE AND A FAN EQUIPMENT MODEL 600BCS 90,000 CFM EXHAUST FAN
- C-258-10-2: 1,599.45 HP ALMOND HULLER AND SHELLER OPERATION #3 CONSISTING OF SCREENS, CRACKERS, SHEAR ROLLERS, CONVEYORS, AUGERS, AND ELEVATORS ALL CONTROLLED WITH A LMC MODEL 882LP12T BAGHOUSE AND A FAN EQUIPMENT MODEL 660BCS 130,000 CFM EXHAUST FAN
- C-258-11-2: 1,599.45 HP ALMOND HULLER AND SHELLER OPERATION #4 CONSISTING OF SCREENS, CRACKERS, SHEAR ROLLERS, CONVEYORS, AUGERS, AND ELEVATORS ALL CONTROLLED WITH A LMC MODEL 882LP12T BAGHOUSE AND A FAN EQUIPMENT MODEL 660BCS 130,000 CFM EXHAUST FAN

VI. Emission Control Technology Evaluation

There are no proposed changes to the emission control device as described in project number C-1072230; therefore, there is no need to evaluate the emission controls.

VII. General Calculations

A. Assumptions

- The pre-project annual operational days are 146 days/yr (per applicant).
- The post-project annual operational days are 149.32 days/yr (per applicant).
- PM₁₀ is the only pollutant of concern with this project.
- 100% of PM emissions are PM₁₀.
- Permit unit -1 handles 20,120 cfm of air (per applicant).
- Permit unit -2 handles 62,800 cfm of air (per applicant).
- Permit unit -3 handles a total of 121,700 cfm of air (60,850 cfm for each baghouse) (per applicant).
- Permit unit -4 handles 64,000 cfm of air (the Saunco baghouse) and 29,392 cfm of air (the MAC baghouse) (per applicant).
- Permit unit -5 handles 836 cfm of air (per applicant).
- Permit unit -9 handles 90,000 cfm of air (per applicant).
- Permit unit -10 and -11 handle 130,000 cfm of air (per applicant).
- Typical operating schedule for pre-project is 24 hours/day, 58 days per 3rd quarter, and 88 days per 4th quarter, totaling a 146 days per season (per applicant).
- Typical operating schedule for post-project is 24 hours/day, 59 days per 3rd quarter, and 90.32 days per 4th quarter, totaling a 149.32 days per season (per applicant).

B. Emission Factors

The revised emission factors were obtained from January 2005 and December 2006 Source Tests (see Appendix A) which were prepared by Air-X Testing, Inc for permit C-258-2-1, and BEST ENVIRONMENTAL for permits C-258-1-1, C-258-3-2, C-258-5-2, C-258-9-0, and C-258-10-0. Per applicant, the emission factors proposed are not the average test results, but the highest results of the three runs to satisfy margin of compliance (see table below).

In accordance with APR 1110 (Use of Revised Generally Accepted Emission Factors), the revised generally accepted emission factors are more accurate than the emission factors used at the time of original permitting; the pre-project potential to emit will be recalculated using the accepted emission factors for receiving and pre-cleaning operation, and for hulling and shelling operation.

Permit	Description	Emission Factors (gr/dscf)			
		Current Permit	Source Test Average	Source Test Highest Run	Proposed EFs
C-258-1	SAUNCO 2-32 Baghouse	0.0015	0.0009	0.001	0.001
C-258-2	MAC 144MCF572 Baghouse	0.0015	0.0036	0.0038	0.0038
C-258-3	MAC 144MCF572 Baghouse	0.0015	0.0012	0.0013	0.0013
	MAC 144MCF572 Baghouse	0.0015	0.0012	0.0013	0.0013
C-258-4	MAC 144MCF255 Baghouse	0.0015	--	--	0.0015
	SAUNCO 5-3200	0.0015	--	--	0.0015
C-258-5	MAC 96AVS16	0.0015	0.0009	0.0012	0.0012
C-258-9	LMC 780LP12T	0.0015	0.0011	0.0016	0.0016
C-258-10	LMC 882LP12T	0.0015	0.0004	0.0005	0.0005
C-258-11	LMC 882LP12T	0.0015	--	--	0.0015

C. Calculations

1. Pre-Project Potential to Emit (PE1)

The potential to emit for the almond pre-cleaning and hulling operation is based on the revised PM10 concentration and the airflow rate, and is calculated as follows:

Daily and annual pre-project emissions from unit -1-1, the existing almond pre-cleaning operation #1:

$$\begin{aligned}
 PE1 &= PM_{10} \text{ Concentration} \times \text{daily operational schedule} \times \text{exhaust flowrate} \times (\text{lb-} \\
 &\quad PM_{10}/\text{lb-PM fraction}) \\
 &= 0.001 \text{ gr/dscf} \times 1,440 \text{ min/day} \times 20,120 \text{ dscf/min} \times 1.0 \text{ lb-}PM_{10}/\text{lb-PM} \times \text{lb-} \\
 &\quad PM/7,000 \text{ gr} \\
 &= 4.14 \text{ lb } PM_{10}/\text{day} \Rightarrow \mathbf{4.1 \text{ lb } PM_{10}/\text{day}}
 \end{aligned}$$

$$\begin{aligned}
 PE1 \text{ (lb/day)} &= PE1 \text{ (lb-}PM_{10}/\text{day)} \times 146 \text{ day/yr} \\
 PE1 \text{ lb/yr} &= 4.1 \text{ lb-}PM_{10}/\text{day} \times 146 \text{ day/yr} \\
 \mathbf{PE1} &= \mathbf{599 \text{ lb-}PM_{10}/\text{yr}}
 \end{aligned}$$

Daily and annual pre-project emissions from unit -2-3, the existing almond pre-cleaning operation #2:

$$\begin{aligned}
 PE1 &= PM_{10} \text{ Concentration} \times \text{daily operational schedule} \times \text{exhaust flowrate} \times (\text{lb-} \\
 &\quad PM_{10}/\text{lb-PM fraction}) \\
 &= 0.0038 \text{ gr/dscf} \times 1,440 \text{ min/day} \times 62,800 \text{ dscf/min} \times 1.0 \text{ lb-}PM_{10}/\text{lb-PM} \times \text{lb-} \\
 &\quad PM/7,000 \text{ gr} \\
 &= 49.09 \text{ lb } PM_{10}/\text{day} \Rightarrow \mathbf{49.1 \text{ lb } PM_{10}/\text{day}}
 \end{aligned}$$

$$\begin{aligned}
 PE1 \text{ (lb/yr)} &= PE1 \text{ (lb-}PM_{10}/\text{day)} \times 146 \text{ day/yr} \\
 PE1 \text{ lb/yr} &= 49.1 \text{ lb-}PM_{10}/\text{day} \times 146 \text{ day/yr} \\
 \mathbf{PE1} &= \mathbf{7,169 \text{ lb-}PM_{10}/\text{yr}}
 \end{aligned}$$

Daily and annual pre-project emissions from unit -3-3, the existing almond shelling operation #2:

$$\begin{aligned} \text{PE1} &= \text{PM}_{10} \text{ Concentration} \times \text{daily operational schedule} \times \text{exhaust flowrate} \times (\text{lb-PM}_{10}/\text{lb-PM fraction}) \\ &= 0.0013 \text{ gr/dscf} \times 1,440 \text{ min/day} \times 60,850 \text{ dscf/min} \times 1.0 \text{ lb-PM}_{10}/\text{lb-PM} \times \text{lb-PM}/7,000 \text{ gr} \\ &= 16.27 \text{ lb PM}_{10}/\text{day} \Rightarrow \mathbf{16.3 \text{ lb PM}_{10}/\text{day}} \text{ (Each Baghouse)} \end{aligned}$$

$$\begin{aligned} \text{PE1 (lb/yr)} &= \text{PE1 (lb-PM}_{10}/\text{day)} \times 146 \text{ day/yr} \\ \text{PE1 lb/yr} &= 16.3 \text{ lb-PM}_{10}/\text{day} \times 146 \text{ day/yr} \\ \mathbf{PE1} &= \mathbf{2,380 \text{ lb-PM}_{10}/\text{yr}} \text{ (Each Baghouse)} \end{aligned}$$

Daily and annual pre-project emissions from unit -4-3, the existing almond huller and sheller operation #1:

$$\begin{aligned} \text{PE1} &= \text{PM}_{10} \text{ Concentration} \times \text{daily operational schedule} \times \text{exhaust flowrate} \times (\text{lb-PM}_{10}/\text{lb-PM fraction}) \\ &= 0.0015 \text{ gr/dscf} \times 1,440 \text{ min/day} \times 29,392 \text{ dscf/min} \times 1.0 \text{ lb-PM}_{10}/\text{lb-PM} \times \text{lb-PM}/7,000 \text{ gr} \\ &= 9.06 \text{ lb PM}_{10}/\text{day} \Rightarrow \mathbf{9.1 \text{ lb PM}_{10}/\text{day}} \end{aligned}$$

$$\begin{aligned} \text{PE1 (lb/yr)} &= \text{PE1 (lb-PM}_{10}/\text{day)} \times 146 \text{ day/yr} \\ \text{PE1 lb/yr} &= 9.1 \text{ lb-PM}_{10}/\text{day} \times 146 \text{ day/yr} \\ \mathbf{PE1} &= \mathbf{1,329 \text{ lb-PM}_{10}/\text{yr}} \end{aligned}$$

$$\begin{aligned} \text{PE1} &= \text{PM}_{10} \text{ Concentration} \times \text{daily operational schedule} \times \text{exhaust flowrate} \times (\text{lb-PM}_{10}/\text{lb-PM fraction}) \\ &= 0.0015 \text{ gr/dscf} \times 1,440 \text{ min/day} \times 64,000 \text{ dscf/min} \times 1.0 \text{ lb-PM}_{10}/\text{lb-PM} \times \text{lb-PM}/7,000 \text{ gr} \\ &= 19.75 \text{ lb PM}_{10}/\text{day} \Rightarrow \mathbf{19.7 \text{ lb PM}_{10}/\text{day}} \end{aligned}$$

$$\begin{aligned} \text{PE1 (lb/yr)} &= \text{PE1 (lb-PM}_{10}/\text{day)} \times 146 \text{ day/yr} \\ \text{PE1 lb/yr} &= 19.7 \text{ lb-PM}_{10}/\text{day} \times 146 \text{ day/yr} \\ \mathbf{PE1} &= \mathbf{2,876 \text{ lb-PM}_{10}/\text{yr}} \end{aligned}$$

Daily and annual pre-project emissions from unit -5-3, the existing almond huller and sheller operation #1:

$$\begin{aligned} \text{PE1} &= \text{PM}_{10} \text{ Concentration} \times \text{daily operational schedule} \times \text{exhaust flowrate} \times (\text{lb-PM}_{10}/\text{lb-PM fraction}) \\ &= 0.0012 \text{ gr/dscf} \times 1,440 \text{ min/day} \times 836 \text{ dscf/min} \times 1.0 \text{ lb-PM}_{10}/\text{lb-PM} \times \text{lb-PM}/7,000 \text{ gr} \\ &= 0.21 \text{ lb PM}_{10}/\text{day} \Rightarrow \mathbf{0.2 \text{ lb PM}_{10}/\text{day}} \end{aligned}$$

$$\begin{aligned} \text{PE1 (lb/yr)} &= \text{PE1 (lb-PM}_{10}/\text{day)} \times 146 \text{ day/yr} \\ \text{PE1 lb/yr} &= 0.2 \text{ lb-PM}_{10}/\text{day} \times 146 \text{ day/yr} \\ \mathbf{PE1} &= \mathbf{29 \text{ lb-PM}_{10}/\text{yr}} \end{aligned}$$

Daily and annual pre-project emissions from unit -9-1, the existing almond pre-cleaning operation #3:

$$\begin{aligned} \text{PE1} &= \text{PM}_{10} \text{ Concentration} \times \text{daily operational schedule} \times \text{exhaust flowrate} \times (\text{lb-PM}_{10}/\text{lb-PM fraction}) \\ &= 0.0016 \text{ gr/dscf} \times 1,440 \text{ min/day} \times 90,000 \text{ dscf/min} \times 1.0 \text{ lb-PM}_{10}/\text{lb-PM} \times \text{lb-PM}/7,000 \text{ gr} \\ &= 29.62 \text{ lb PM}_{10}/\text{day} \Rightarrow \mathbf{29.6 \text{ lb PM}_{10}/\text{day}} \end{aligned}$$

$$\begin{aligned} \text{PE1 (lb/yr)} &= \text{PE1 (lb-PM}_{10}/\text{day)} \times 146 \text{ day/yr} \\ \text{PE1 lb/yr} &= 29.6 \text{ lb-PM}_{10}/\text{day} \times 146 \text{ day/yr} \\ \mathbf{PE1} &= \mathbf{4,322 \text{ lb-PM}_{10}/\text{yr}} \end{aligned}$$

Annual pre-project emissions from unit -10-1, the existing almond huller and sheller operation #3:

$$\begin{aligned} \text{PE1} &= \text{PM}_{10} \text{ Concentration} \times \text{daily operational schedule} \times \text{exhaust flowrate} \times (\text{lb-PM}_{10}/\text{lb-PM fraction}) \\ &= 0.0005 \text{ gr/dscf} \times 1,440 \text{ min/day} \times 130,000 \text{ dscf/min} \times 1.0 \text{ lb-PM}_{10}/\text{lb-PM} \times \text{lb-PM}/7,000 \text{ gr} \\ &= 13.37 \text{ lb PM}_{10}/\text{day} \Rightarrow \mathbf{13.4 \text{ lb PM}_{10}/\text{day}} \end{aligned}$$

$$\begin{aligned} \text{PE1 (lb/yr)} &= \text{PE1 (lb-PM}_{10}/\text{day)} \times 146 \text{ day/yr} \\ \text{PE1 lb/yr} &= 13.4 \text{ lb-PM}_{10}/\text{day} \times 146 \text{ day/yr} \\ \mathbf{PE1} &= \mathbf{1,956 \text{ lb-PM}_{10}/\text{yr}} \end{aligned}$$

Annual pre-project emissions from unit -11-1, the existing almond huller and sheller operation #3:

$$\begin{aligned} \text{PE1} &= \text{PM}_{10} \text{ Concentration} \times \text{daily operational schedule} \times \text{exhaust flowrate} \times (\text{lb-PM}_{10}/\text{lb-PM fraction}) \\ &= 0.0015 \text{ gr/dscf} \times 1,440 \text{ min/day} \times 130,000 \text{ dscf/min} \times 1.0 \text{ lb-PM}_{10}/\text{lb-PM} \times \text{lb-PM}/7,000 \text{ gr} \\ &= 40.11 \text{ lb PM}_{10}/\text{day} \Rightarrow \mathbf{40.1 \text{ lb PM}_{10}/\text{day}} \end{aligned}$$

$$\begin{aligned} \text{PE1 (lb/yr)} &= \text{PE1 (lb-PM}_{10}/\text{day)} \times 146 \text{ day/yr} \\ \text{PE1 lb/yr} &= 40.1 \text{ lb-PM}_{10}/\text{day} \times 146 \text{ day/yr} \\ \mathbf{PE1} &= \mathbf{5,855 \text{ lb-PM}_{10}/\text{yr}} \end{aligned}$$

Pre-Project Potential to Emit (PE1) PM ₁₀ Emissions Summary				
Pollutants Permits	Daily PE1 (lb-PM ₁₀ /day)	Annual PE1 (lb-PM ₁₀ /year)	3 rd qtr* PE1 (lb- PM ₁₀ /qtr)	4 th qtr* PE1 (lb- PM ₁₀ /qtr)
C-258-1-2	4.1	599	238	361
C-258-2-3	49.1	7,169	2,848	4,321
C-258-3-3	32.6	4,760	1,891	2,869
C-258-4-3	28.8	4,205	1,670	2,535
C-258-5-3	0.2	29	12	17
C-258-9-1	29.6	4,322	1,717	2,605
C-258-10-1	13.4	1,956	777	1,179
C-258-11-1	40.1	5,855	2,326	3,529
Total PE1	197.9	28,895	11,479	17,416

2. Post Project Potential to Emit (PE2)

a. Daily PE2

For this project, the only emissions of concern are the facility's annual PM₁₀ emissions from the almond process operation. All daily emissions indicated in PE1 remain unchanged, and will be carried over to PE2 as indicated in the Post-Project Potential to Emit (PE2) Summary table below.

b. Annual PE2

Annual post project emissions from unit -1-3, the almond pre-cleaning operation #1:

$$\begin{aligned} \text{PE2 (lb/yr)} &= \text{PE2 (lb-PM}_{10}\text{/day)} \times 149.32 \text{ day/yr} \\ \text{PE2 lb/yr} &= 4.1 \text{ lb-PM}_{10}\text{/day} \times 149.32 \text{ day/yr} \\ \text{PE2} &= \mathbf{612 \text{ lb-PM}_{10}\text{/yr}} \end{aligned}$$

Annual post project emissions from unit -2-4, the almond pre-cleaning operation #2:

$$\begin{aligned} \text{PE2 (lb/yr)} &= \text{PE2 (lb-PM}_{10}\text{/day)} \times 149.32 \text{ day/yr} \\ \text{PE2 lb/yr} &= 49.1 \text{ lb-PM}_{10}\text{/day} \times 149.32 \text{ day/yr} \\ \text{PE2} &= \mathbf{7,332 \text{ lb-PM}_{10}\text{/yr}} \end{aligned}$$

Annual post project emissions from unit -3-4, the almond shelling operation #2:

$$\begin{aligned} \text{PE2 (lb/yr)} &= \text{PE1 (lb-PM}_{10}\text{/day)} \times 149.32 \text{ day/yr} \\ \text{PE2 lb/yr} &= 16.3 \text{ lb-PM}_{10}\text{/day} \times 149.32 \text{ day/yr} \\ \text{PE2} &= \mathbf{2,434 \text{ lb-PM}_{10}\text{/yr (Each Baghouse)}} \end{aligned}$$

* Quarterly emission were determine by dividing the quarterly days of operation by the total seasonal days per year times the annual emissions, 3rd Quarterly = Annual PE lb/yr × (58 day/qtr ÷ 146 day/yr); 4th Quarterly = Annual PE lb/yr × (88 day/qtr ÷ 146 day/yr).

Annual post project emissions from unit -4-4, the almond huller and sheller operation #1:

$$\begin{aligned} \text{PE2 (lb/yr)} &= \text{PE2 (lb-PM}_{10}\text{/day)} \times 149.32 \text{ day/yr} \\ \text{PE2 lb/yr} &= 9.1 \text{ lb-PM}_{10}\text{/day} \times 149.32 \text{ day/yr} \\ \text{PE2} &= \mathbf{1,359 \text{ lb-PM}_{10}\text{/yr}} \end{aligned}$$

$$\begin{aligned} \text{PE2 (lb/yr)} &= \text{PE2 (lb-PM}_{10}\text{/day)} \times 149.32 \text{ day/yr} \\ \text{PE2 lb/yr} &= 19.7 \text{ lb-PM}_{10}\text{/day} \times 149.32 \text{ day/yr} \\ \text{PE2} &= \mathbf{2,942 \text{ lb-PM}_{10}\text{/yr}} \end{aligned}$$

Annual post project emissions from unit -5-4, the almond huller and sheller operation #1:

$$\begin{aligned} \text{PE2 (lb/yr)} &= \text{PE2 (lb-PM}_{10}\text{/day)} \times 149.32 \text{ day/yr} \\ \text{PE2 lb/yr} &= 0.2 \text{ lb-PM}_{10}\text{/day} \times 149.32 \text{ day/yr} \\ \text{PE2} &= \mathbf{30 \text{ lb-PM}_{10}\text{/yr}} \end{aligned}$$

Annual post project emissions from unit -9-2, the almond pre-cleaning operation #3:

$$\begin{aligned} \text{PE2 (lb/yr)} &= \text{PE2 (lb-PM}_{10}\text{/day)} \times 149.32 \text{ day/yr} \\ \text{PE2 lb/yr} &= 29.6 \text{ lb-PM}_{10}\text{/day} \times 149.32 \text{ day/yr} \\ \text{PE2} &= \mathbf{4,420 \text{ lb-PM}_{10}\text{/yr}} \end{aligned}$$

Annual pre-project emissions from unit -10-2, the almond huller and sheller operation #3:

$$\begin{aligned} \text{PE2 (lb/yr)} &= \text{PE2 (lb-PM}_{10}\text{/day)} \times 149.32 \text{ day/yr} \\ \text{PE2 lb/yr} &= 13.4 \text{ lb-PM}_{10}\text{/day} \times 149.32 \text{ day/yr} \\ \text{PE2} &= \mathbf{2,001 \text{ lb-PM}_{10}\text{/yr}} \end{aligned}$$

Annual pre-project emissions from unit -11-2, the almond huller and sheller operation #3:

$$\begin{aligned} \text{PE2 (lb/yr)} &= \text{PE2 (lb-PM}_{10}\text{/day)} \times 149.32 \text{ day/yr} \\ \text{PE2 lb/yr} &= 40.1 \text{ lb-PM}_{10}\text{/day} \times 149.32 \text{ day/yr} \\ \text{PE2} &= \mathbf{5,988 \text{ lb-PM}_{10}\text{/yr}} \end{aligned}$$

Post-Project Potential to Emit (PE2) PM ₁₀ Emissions Summary				
Pollutants Permits	Daily PE2 (lb-PM ₁₀ /day)	Annual PE2 (lb-PM ₁₀ /year)	3 rd qtr* PE2 (lb- PM ₁₀ /qtr)	4 th qtr* PE2 (lb- PM ₁₀ /qtr)
C-258-1-3	4.1	612	242	370
C-258-2-4	49.1	7,332	2,897	4,435
C-258-3-4	32.6	4,868	1,923	2,945
C-258-4-4	28.8	4,301	1,699	2,602
C-258-5-4	0.2	30	12	18
C-258-9-2	29.6	4,420	1,746	2,674
C-258-10-2	13.4	2,001	791	1,210
C-258-11-2	40.1	5,988	2,366	3,622
Total PE2	197.9	29,552	11,676	17,876

3. Pre-Project Stationary Source Potential to Emit (SSPE1)

Pursuant to Section 4.9 of District Rule 2201, the Pre-Project Stationary Source Potential to Emit (SSPE1) is the Potential to Emit (PE) from all units with valid Authorities to Construct (ATC) or Permits to Operate (PTO) at the Stationary Source and the quantity of emission reduction credits (ERC) which have been banked since September 19, 1991 for Actual Emissions Reductions that have occurred at the source, and which have not been used on-site.

The pre-project annual PE1 emissions were obtained from project number C-1072230.

Pre-Project Stationary Source Potential to Emit [SSPE1] (lb/year)					
Permit Unit	NO _x	SO _x	PM ₁₀	CO	VOC
C-258-1-2	0	0	599	0	0
C-258-2-3	0	0	7,169	0	0
C-258-3-3	0	0	4,760	0	0
C-258-4-3	0	0	4,205	0	0
C-258-5-3	0	0	29	0	0
C-258-9-1	0	0	4,322	0	0
C-258-10-1	0	0	1,956	0	0
C-258-11-1	0	0	5,855	0	0
Pre-Project SSPE (SSPE1)	0	0	28,895	0	0

* Quarterly emission were determine by dividing the quarterly days of operation by the total seasonal days per year times the annual emissions, 3rd Quarterly = Annual PE lb/yr × (59 day/qtr ÷ 149.32 day/yr); 4th Quarterly = Annual PE lb/yr × (90.32 day/qtr ÷ 149.32 day/yr).

4. Post Project Stationary Source Potential to Emit (SSPE2)

Pursuant to Section 4.10 of District Rule 2201, the Post Project Stationary Source Potential to Emit (SSPE2) is the Potential to Emit (PE) from all units with valid Authorities to Construct (ATC) or Permits to Operate (PTO) at the Stationary Source and the quantity of emission reduction credits (ERC) which have been banked since September 19, 1991 for Actual Emissions Reductions that have occurred at the source, and which have not been used on-site.

Post Project Stationary Source Potential to Emit [SSPE2] (lb/year)					
Permit Unit	NO _x	SO _x	PM ₁₀	CO	VOC
C-258-1-3	0	0	612	0	0
C-258-2-4	0	0	7,332	0	0
C-258-3-4	0	0	4,868	0	0
C-258-4-4	0	0	4,301	0	0
C-258-5-4	0	0	30	0	0
C-258-9-2	0	0	4,420	0	0
C-258-10-2	0	0	2,001	0	0
C-258-11-2	0	0	5,988	0	0
Post Project SSPE (SSPE2)	0	0	29,552	0	0

5. Major Source Determination

Pursuant to Section 3.24 of District Rule 2201, a Major Source is a stationary source with post-project emissions or a Post Project Stationary Source Potential to Emit (SSPE2), equal to or exceeding one or more of the following threshold values. However, Section 3.24.2 states, "for the purposes of determining major source status, the SSPE2 shall not include the quantity of emission reduction credits (ERC) which have been banked since September 19, 1991 for Actual Emissions Reductions that have occurred at the source, and which have not been used on-site."

Major Source Determination (lb/year)					
	NO _x	SO _x	PM ₁₀	CO	VOC
Pre-Project SSPE (SSPE1)	0	0	28,895	0	0
Post Project SSPE (SSPE2)	0	0	29,552	0	0
Major Source Threshold	50,000	140,000	140,000	200,000	50,000
Major Source?	No	No	No	No	No

As seen in the table above, the facility is not an existing Major Source and also is not becoming a Major Source as a result of this project.

6. Baseline Emissions (BE)

The BE calculation (in lbs/year) is performed pollutant-by-pollutant for each unit within the project, to calculate the QNEC and if applicable, to determine the amount of offsets required.

Pursuant to Section 3.7 of District Rule 2201, BE = Pre-project Potential to Emit for:

- Any unit located at a non-Major Source,
- Any Highly-Utilized Emissions Unit, located at a Major Source,
- Any Fully-Offset Emissions Unit, located at a Major Source, or
- Any Clean Emissions Unit, located at a Major Source.

otherwise,

BE = Historic Actual Emissions (HAE), calculated pursuant to Section 3.22 of District Rule 2201.

As shown in Section VII.C.5 above, the facility is not a Major Source for any pollutant.

Therefore Baseline Emissions (BE) are equal to the Pre-Project Potential to Emit (PE1).

As calculated in Section VII.C.1 above, PE1 is summarized in the following table:

Baseline Emissions [BE] (lb/year)					
Permit Unit	NO _x	SO _x	PM ₁₀	CO	VOC
C-258-1-2	0	0	599	0	0
C-258-2-3	0	0	7,169	0	0
C-258-3-3	0	0	4,760	0	0
C-258-4-3	0	0	4,205	0	0
C-258-5-3	0	0	29	0	0
C-258-9-1	0	0	4,322	0	0
C-258-10-1	0	0	1,956	0	0
C-258-11-1	0	0	5,855	0	0

7. Major Modification

Major Modification is defined in 40 CFR Part 51.165 as "*any physical change in or change in the method of operation of a major stationary source that would result in a significant net emissions increase of any pollutant subject to regulation under the Act.*"

As discussed in Section VII.C.5 above, the facility is not a Major Source for any pollutant; therefore, the project does not constitute a Major Modification.

8. Federal Major Modification

As shown above, this project does not constitute a Major Modification. Therefore, in accordance with District Rule 2201, Section 3.17, this project does not constitute a Federal Major Modification and no further discussion is required.

9. Quarterly Net Emissions Change (QNEC)

The QNEC is calculated solely to establish emissions that are used to complete the District's PAS emissions profile screen.

QNEC (Δ PE) = PE2 - BE, where:

- QNEC = Quarterly Net Emissions Change for each emissions unit, lb/qtr.
- PE2 = Post Project Potential to Emit for each emissions unit, lb/qtr.
- BE = Baseline Emissions (per Rule 2201) for each emissions unit, lb/qtr.

Quarterly Net Emissions Change (QNEC) Summary (Δ PE = PE2 - BE)						
Permit	3 rd Qtr PE2 (lb-PM ₁₀ /qtr)	3 rd Qtr BE (lb-PM ₁₀ /qtr)	3 rd Qtr Δ PE (lb-PM ₁₀ /qtr)	4 th Qtr PE2 (lb-PM ₁₀ /qtr)	4 th Qtr BE (lb-PM ₁₀ /qtr)	4 th Qtr Δ PE (lb-PM ₁₀ /qtr)
C-258-1	242	238	4	370	361	9
C-258-2	2,897	2,848	49	4,435	4,321	114
C-258-3	1,923	1,891	33	2,945	2,869	75
C-258-4	1,699	1,670	29	2,602	2,535	67
C-258-5	12	12	0	18	17	1
C-258-9	1,746	1,717	29	2,674	2,605	69
C-258-10	791	777	14	1,210	1,179	31
C-258-11	2,366	2,326	40	3,622	3,529	93

VIII. Compliance

Rule 2201 New and Modified Stationary Source Review Rule

A. Best Available Control Technology (BACT)

1. BACT Applicability

BACT requirements are triggered on a pollutant-by-pollutant basis and on an emissions unit-by-emissions unit basis for the following*:

- a. Any new emissions unit with a potential to emit exceeding two pounds per day,
- b. The relocation from one Stationary Source to another of an existing emissions unit with a potential to emit exceeding two pounds per day,
- c. Modifications to an existing emissions unit with a valid Permit to Operate resulting in an AIPE exceeding two pounds per day, and/or
- d. Any new or modified emissions unit, in a stationary source project, which results in a Major Modification.

*Except for CO emissions from a new or modified emissions unit at a Stationary Source with an SSPE2 of less than 200,000 pounds per year of CO.

a. New emissions units – PE > 2 lb/day

As discussed in Section I above, there are no new emissions units associated with this project; therefore BACT for new units with PE > 2 lb/day purposes is not triggered.

b. Relocation of emissions units – PE > 2 lb/day

As discussed in Section I above, there are no emissions units being relocated from one stationary source to another; therefore BACT is not triggered.

c. Modification of emissions units – AIPE > 2 lb/day

$$AIPE = PE2 - HAPE$$

Where,

AIPE = Adjusted Increase in Permitted Emissions, (lb/day)

PE2 = Post-Project Potential to Emit, (lb/day)

HAPE = Historically Adjusted Potential to Emit, (lb/day)

$$HAPE = PE1 \times (EF2/EF1)$$

Where,

PE1 = The emissions unit's Potential to Emit prior to modification or relocation, (lb/day)

EF2 = The emissions unit's permitted emission factor for the pollutant after modification or relocation. If EF2 is greater than EF1 then EF2/EF1 shall be set to 1

EF1 = The emissions unit's permitted emission factor for the pollutant before the modification or relocation

$$AIPE = PE2 - (PE1 * (EF2 / EF1))$$

Adjusted IPE (AIPE) for PM10 Emissions for Almond Hulling/Shelling Operations				
Permit(s)	PE2 (lb/day)	PE1 (lb/day)	(EF2/EF1)	AIPE (lb/day)
C-258-1	4.1	4.1	1.0000	0.0
C-258-2	49.1	49.1	1.0000	0.0
C-258-3	32.6	32.6	1.0000	0.0
C-258-4	28.8	28.8	1.0000	0.0
C-258-5	0.2	0.2	1.0000	0.0
C-258-9	29.6	29.6	1.0000	0.0
C-258-10	13.4	13.4	1.0000	0.0
C-258-11	40.1	40.1	1.0000	0.0

As demonstrated above, the AIPE is not greater than 2.0 lb/day for PM₁₀ emissions for this almond hulling/shelling operation; therefore BACT is not triggered.

d. Major Modification

As discussed in Section VII.C.7 above, this project does not constitute a Major Modification; therefore BACT is not triggered.

B. Offsets

1. Offset Applicability

Pursuant to Section 4.5.3, offset requirements shall be triggered on a pollutant by pollutant basis and shall be required if the Post Project Stationary Source Potential to Emit (SSPE2) equals to or exceeds the offset threshold levels in Table 4-1 of Rule 2201.

The following table compares the post-project facility-wide annual emissions in order to determine if offsets will be required for this project.

Offset Determination (lb/year)					
	NO _x	SO _x	PM ₁₀	CO	VOC
Post Project SSPE (SSPE2)	0	0	29,552	0	0
Offset Threshold	20,000	54,750	29,200	200,000	20,000
Offsets triggered?	No	No	Yes	No	No

2. Quantity of Offsets Required

As seen above, the SSPE2 is greater than the offset thresholds for PM₁₀ only; therefore offset calculations will be required for this project.

Per Sections 4.7.2 and 4.7.3, the quantity of offsets in pounds per year for PM₁₀ is calculated as follows for sources with an SSPE1 less than the offset threshold levels before implementing the project being evaluated.

$$\text{Offsets Required (lb/year)} = [(\text{SSPE2} - \text{ROT} + \text{ICCE}) \times \text{DOR}]$$

- Where,
- SSPE2 = Post Project Stationary Source Potential to Emit
 - ROT = Respective Offset Threshold, for the respective pollutant indicated in Section 4.5.3.
 - ICCE = Increase in Cargo Carrier Emissions
 - DOR = Distance Offset Ratio, determined pursuant to Section 4.8

Offsets Required (lb/year) = [(SSPE2 – Emergency Equipment – ROT + ICCE) x DOR]

SSPE2 (PM₁₀) = 29,552 lb/year
 Offset threshold (PM₁₀) = 29,200 lb/year
 ICCE = 0 lb/year

Offsets Required (lb/year) = [(29,552 – 29,200 + 0) x DOR]
 = 352 x DOR
 = 352 lb-PM₁₀/year x DOR

Calculating the appropriate quarterly emissions to be offset is as follows:

<u>1st Quarter</u>	<u>2nd Quarter</u>	<u>3rd Quarter</u>	<u>4th Quarter</u>
0 x DOR	0 x DOR	176 x DOR	176 x DOR

Assuming an offset ratio of 1.5:1, the amount of PM₁₀ ERCs that need to be withdrawn is:

Offsets Required (lb/year) = [(29,552 – 29,200 + 0) x 1.5]
 = 352 x 1.5
 = 528 lb-PM₁₀/year

Calculating the appropriate quarterly emissions to be offset is as follows:

<u>1st Quarter</u>	<u>2nd Quarter</u>	<u>3rd Quarter</u>	<u>4th Quarter</u>
0	0	264	264

The applicant has stated that the facility plans to use ERC certificate C-1004-4 to offset the increases in PM₁₀ emissions associated with this project. The above certificate has available quarterly PM₁₀ credits as follows:

	<u>1st Quarter</u>	<u>2nd Quarter</u>	<u>3rd Quarter</u>	<u>4th Quarter</u>
ERC #C-1004-4	0	0	225	303

As seen above, the facility has sufficient credits to fully offset the quarterly PM₁₀ emissions increases associated with this project. Per Section 4.13.7, Actual Emissions Reductions (AER) for PM that occurred from October through March, inclusive, may be used to offset increases in PM during any period of the year.

Proposed Rule 2201 (offset) Conditions:

For each permit unit, the quantity of PM₁₀ emission reduction credits (ERC) surrender to the District will be included in each permit using the following conditions:

- Prior to operating equipment under Authorities to Construct C-258-1-3, '-2-4, '-3-4, '-4-4, '-5-4, '-9-2, '-10-2, and '-11-2 permittee shall surrender PM₁₀ emission reduction credits for the following quantity of emissions: 1st quarter - 0 lb, 2nd quarter - 0 lb, 3rd quarter - 176 lb, and fourth quarter - 176 lb. Offsets shall be provided at the applicable offset ratio specified in Table 4-2 of Rule 2201 (as amended 9/21/06). [District Rule 2201]
- ERC Certificate Number C-1004-4 (or a certificate split from this certificate) shall be used to supply the required offsets, unless a revised offsetting proposal is received and approved by the District, upon which this Authority to Construct shall be reissued, administratively specifying the new offsetting proposal. Original public noticing requirements, if any, shall be duplicated prior to reissuance of this Authority to Construct. [District Rule 2201]

C. Public Notification

1. Applicability

Public noticing is required for:

- a. Any new Major Source, which is a new facility that is also a Major Source,
- b. Major Modifications,
- c. Any new emissions unit with a Potential to Emit greater than 100 pounds during any one day for any one pollutant,
- d. Any project which results in the offset thresholds being surpassed, and/or
- e. Any project with an SSIPE of greater than 20,000 lb/year for any pollutant.

a. New Major Source

New Major Sources are new facilities, which are also Major Sources. Since this is not a new facility, public noticing is not required for this project for New Major Source purposes.

b. Major Modification

As demonstrated in VII.C.7, this project does not constitute a Major Modification; therefore, public noticing for Major Modification purposes is not required.

c. PE > 100 lb/day

Applications which include a new emissions unit with a Potential to Emit greater than 100 pounds during any one day for any pollutant will trigger public noticing requirements. There are no new emissions units associated with this project; therefore public noticing is not required for this project for Potential to Emit Purposes.

d. Offset Threshold

The following table compares the SSPE1 with the SSPE2 in order to determine if any offset thresholds have been surpassed with this project.

Offset Threshold				
Pollutant	SSPE1 (lb/year)	SSPE2 (lb/year)	Offset Threshold	Public Notice Required?
NO _x	0	0	20,000 lb/year	No
SO _x	0	0	54,750 lb/year	No
PM ₁₀	28,895	29,552	29,200 lb/year	Yes
CO	0	0	200,000 lb/year	No
VOC	0	0	20,000 lb/year	No

As detailed above, offset thresholds were surpassed for PM₁₀ with this project; therefore public noticing is required for offset purposes.

e. SSIPE > 20,000 lb/year

Public notification is required for any permitting action that results in a Stationary Source Increase in Permitted Emissions (SSIPE) of more than 20,000 lb/year of any affected pollutant. According to District policy, the SSIPE is calculated as the Post Project Stationary Source Potential to Emit (SSPE2) minus the Pre-Project Stationary Source Potential to Emit (SSPE1), i.e. SSIPE = SSPE2 – SSPE1. The values for SSPE2 and SSPE1 are calculated according to Rule 2201, Sections 4.9 and 4.10, respectively. The SSIPE is compared to the SSIPE Public Notice thresholds in the following table:

Stationary Source Increase in Permitted Emissions [SSIPE] – Public Notice					
Pollutant	SSPE2 (lb/year)	SSPE1 (lb/year)	SSIPE (lb/year)	SSIPE Public Notice Threshold	Public Notice Required?
NO _x	0	0	0	20,000 lb/year	No
SO _x	0	0	0	20,000 lb/year	No
PM ₁₀	29,552	28,895	657	20,000 lb/year	No
CO	0	0	0	20,000 lb/year	No
VOC	0	0	0	20,000 lb/year	No

As demonstrated above, the SSIPEs for all pollutants were less than 20,000 lb/year; therefore public noticing for SSIPE purposes is not required.

2. Public Notice Action

As discussed above, public noticing is required for this project for PM₁₀ emissions in surpassing offset thresholds. Therefore, public notice documents will be submitted to the California Air Resources Board (CARB) and a public notice will be published in a local newspaper of general circulation prior to the issuance of the ATC for this equipment.

D. Daily Emission Limits (DELs)

Daily Emissions Limitations (DELs) and other enforceable conditions are required by Section 3.15 to restrict a unit's maximum daily emissions, to a level at or below the emissions associated with the maximum design capacity. Per Sections 3.15.1 and 3.15.2, the DEL must be contained in the latest ATC and contained in or enforced by the latest PTO and enforceable, in a practicable manner, on a daily basis. DELs are also required to enforce the applicability of BACT.

For this project, the DELs are stated in the form of PM₁₀ concentrations, airflow rates, and daily PM₁₀ emissions.

Proposed Rule 2201 (DEL) Conditions:

For ATC C-258-1-3:

- Emissions from the Saunco baghouse and the two cyclones controlling this almond pre-cleaning operation shall not exceed 4.1 lb-PM₁₀/day. [District Rule 2201]
- PM₁₀ emissions concentration from the Saunco baghouse controlling this almond pre-cleaning operation shall not exceed 0.001 grains/scf. [District Rule 2201]
- Maximum airflow from the Saunco baghouse controlling this almond pre-cleaning operation shall not exceed 20,120 scfm. [District Rule 2201]

For ATC C-258-2-4:

- Emissions from the MAC baghouse controlling this almond pre-cleaning operation shall not exceed 49.1 lb-PM₁₀/day. [District Rule 2201]
- PM₁₀ emissions concentration from the MAC baghouse controlling this almond pre-cleaning operation shall not exceed 0.0038 grains/scf. [District Rule 2201]
- Maximum airflow from the MAC baghouse controlling this almond pre-cleaning operation shall not exceed 60,850 scfm. [District Rule 2201]

For ATC C-258-3-4:

- Emissions from the MAC baghouses controlling this almond shelling operation shall not exceed 32.6 lb-PM10/day combined. [District Rule 2201]
- PM10 emissions concentration from either MAC baghouse controlling this almond shelling operation shall not exceed 0.0013 grains/scf. [District Rule 2201]
- Maximum airflow from either MAC baghouse controlling this almond shelling operation shall not exceed 60,850 scfm. [District Rule 2201]

For ATC C-258-4-4:

- Emissions from the MAC and Saunco baghouses controlling this almond hulling and shelling operation shall not exceed 28.8 lb-PM10/day combined. [District Rule 2201]
- PM10 emissions concentration from either the MAC or Saunco baghouse controlling this almond hulling and shelling operation shall not exceed 0.0015 grains/scf. [District Rule 2201]
- Maximum airflow from the Saunco baghouse controlling this almond hulling and shelling operation shall not exceed 64,000 scfm. [District Rule 2201]
- Maximum airflow from the MAC baghouse controlling this almond hulling and shelling operation shall not exceed 29,392 scfm. [District Rule 2201]

For ATC C-258-5-4:

- Emissions from the MAC baghouse controlling this almond storage silo operation shall not exceed 0.2 lb-PM10/day. [District Rule 2201]
- PM10 emissions concentration from the MAC baghouse controlling this almond storage silo operation shall not exceed 0.0012 grains/scf. [District Rule 2201]
- Maximum airflow from the MAC baghouse controlling this almond storage silo operation shall not exceed 836 scfm. [District Rule 2201]

For ATC C-258-9-2:

- Emissions from the LMC baghouse controlling this almond pre-cleaning operation shall not exceed 29.6 lb-PM10/day. [District Rule 2201]
- PM10 emissions concentration from the LMC baghouse controlling this almond pre-cleaning operation shall not exceed 0.0016 grains/scf. [District Rule 2201]
- Maximum airflow from the LMC baghouse controlling this almond pre-cleaning operation shall not exceed 90,000 scfm. [District Rule 2201]

For ATC C-0258-10-2:

- Emissions from the LMC baghouse controlling this almond hulling and shelling operation shall not exceed 13.4 lb-PM10/day. [District Rule 2201]
- PM10 emissions concentration from the LMC baghouse controlling this almond hulling and shelling operation shall not exceed 0.0005 grains/scf. [District Rule 2201]
- Maximum airflow from the LMC baghouse controlling this almond hulling and shelling operation shall not exceed 130,000 scfm. [District Rule 2201]

For ATC C-0258-11-2:

- Emissions from the LMC baghouse controlling this almond hulling and shelling operation shall not exceed 40.1 lb-PM10/day. [District Rule 2201]
- PM10 emissions concentration from the LMC baghouse controlling this almond hulling and shelling operation shall not exceed 0.0015 grains/scf. [District Rule 2201]
- Maximum airflow from the LMC baghouse controlling this almond hulling and shelling operation shall not exceed 130,000 scfm. [District Rule 2201]

E. Compliance Assurance

1. Source Testing

Per the District's Almond Hulling Permit Processing policy SSP-2105, dated 8/22/02, the following source testing requirements apply to almond processors:

1. Any facility that is a "small emitter" as defined in District Policy BACT 1 shall not be required to perform source testing. As of the date of this policy, a small emitter is a facility with post-project PM₁₀ potential to emit of less than 30 pounds per day or 2 tons per year.
2. Any modification to an existing permit unit that does not result in an increase in permitted emissions for that unit shall not be required to perform source testing.
3. Any new permit unit or modification to an existing permit unit that is not exempt from source testing pursuant to items 1) or 2) above shall be required to perform source testing on one of the new or modified permit units per each independently operating process line.

This facility is not a "small emitter" for PM₁₀ emissions. Therefore, the following table will compare the annual pre- and post-project potential to emit for all the units involved with this project to determine if initial source testing will be required according to this District policy:

Comparison of Annual PE1 to PE2 for Source Testing Requirements				
Permit Unit	PE1 for PM ₁₀ (lb/yr)	PE2 for PM ₁₀ (lb/yr)	Increase or Decrease in Annual Emissions	Initial Source Testing Required?
-1-2, Almond Pre-cleaning Operation #1	599	612	Increase in emissions	Yes
-2-4, Almond Pre-cleaning Operation #2	7,169	7,332	Increase in emissions	Yes
-3-4, Almond Shelling Operation #2	4,760	4,868	Increase in emissions	Yes
-4-4, Almond Huller and Sheller Operation #1	4,205	4,301	Increase in emissions	Yes
-5-4, Almond Storage Silos	29	30	Increase in emissions	Yes
-9-2, Pre-cleaning Operation #3	4,322	4,420	Increase in emissions	Yes
-10-2, Almond Huller and Sheller Operation #3	1,956	2,001	Increase in emissions	Yes
-11-2, Almond Huller and Sheller Operation #4	5,855	5,988	Increase in emissions	Yes

For this project the existing permit units -1, -2, -3, -4, -5, -9, -10, and -11, the modified almond processing operations, have increases in annual emissions. These eight permit units can be divided into independent operating processing lines as follows:

- Permit unit -1 and -4 are controlling almond processing line #1.
- Permit unit -2 and -3 are controlling almond processing line #2.
- Permit units -9, -10, and -11 are controlling new almond processing line #3.

These independent lines have all previously been source tested (see source testing submittal in Appendix A). Therefore, no further source testing will be required.

2. Monitoring

No monitoring is required to demonstrate compliance with Rule 2201.

3. Recordkeeping

Recordkeeping is required to demonstrate compliance with the offset, public notification and daily emission limit requirements of Rule 2201. The permittee shall maintain records in accordance with Section 3.0 of District Rule 1070 as required by permit condition. Therefore, the following condition will be listed on ATCs C-258-1-3, -2-4, -3-4, -4-4, -5-4, -9-2, -10-2 and -11-2 to ensure compliance:

- Permittee shall maintain records of operating schedule. [District Rule 2201]

- All records shall be maintained and retained on-site for a minimum of five (5) years, and shall be made available for District inspection upon request. [District Rule 1070]

4. Reporting

No reporting is required to demonstrate compliance with Rule 2201.

5. Special Requirements

District Almond Hulling Permit Processing policy SSP-2105, dated 8/22/02, has established standard conditions that are to be used for all baghouses used to control PM₁₀ emissions at almond processing facilities. In addition, per District policy SSP-1005 for Visible Emissions from Operations Served by Baghouses, dated 9/16/98, and District Policy for Monitoring Differential Pressure for Baghouses, Dust Collectors, and Bin Vent Filters, the following conditions are required to be placed on permits for operations served by baghouses. The applicant has also proposed that the facility will only operate 150 days per calendar year. Therefore, the following condition will be listed on ATCs C-258-1-3, -2-4, -3-4, -4-4, -5-4, -9-2, -10-2 and -11-2 to ensure compliance:

- This almond processing operation shall not operate more than 149.32 days per calendar year. [District Rule 2201]
- {modified 1313} Visible emissions from the baghouse serving this almond pre-cleaning operation shall not equal or exceed 5% opacity for a period or periods aggregating more than three minutes in one hour. [District NSR Rule]
- The baghouse shall be maintained and operated according to manufacturer's specifications. [District Rule 2201]
- {modified 271} 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]
- {120} The baghouse cleaning frequency and duration shall be adjusted to optimize the control efficiency. [District NSR Rule]
- Replacement bags numbering at least 10% of the total number of bags in the baghouse shall be maintained on the premises. [District Rule 2201]
- {10} The baghouse shall be equipped with a pressure differential gauge to indicate the pressure drop across the bags. The gauge shall be maintained in good working condition at all times and shall be located in an easily accessible location. [District NSR Rule]

- {73} Material removed from the dust collector(s) shall be disposed of in a manner preventing entrainment into the atmosphere. [District NSR Rule]
- Differential operating pressure shall be monitored and recorded on each day that the baghouse operates. [District Rule 2201]
- During seasonal operation the baghouse shall be inspected monthly and any tears, holes, or rips in the bags shall be repaired or blinded upon detection. [District Rule 2201]
- Records of all maintenance of the baghouse, including all change outs of filter media, shall be maintained. [District Rule 2201]

For ATC C-258-1-3:

- The pressure drop across the bags shall be maintained below 6 inches of water column. [District Rule 2201]

For ATC C-258-2-3:

- The pressure drop across the bags shall be maintained between 1 inches and 4 inches of water column. [District Rule 2201]

For ATC C-258-3-3:

- The pressure drop across the bags shall be maintained between 1 inch and 4 inch of water column. [District Rule 2201]

For ATC C-258-4-3:

- The pressure drop across the bags shall be maintained between 3 inches and 6 inches of water column. [District Rule 2201]

For ATC C-258-5-3:

- The pressure drop across the bags shall be maintained below 6 inches of water column. [District Rule 2201]

For ATC C-258-9-2:

- The pressure drop across the bags shall be maintained between 1 inch and 6 inches of water column. [District Rule 2201]

For ATC C-258-10-2:

- The pressure drop across the bags shall be maintained between 1 inch and 6 inches of water column. [District Rule 2201]

For ATC C-258-11-2:

- The pressure drop across the bags shall be maintained between 1 inch and 6 inches of water column. [District Rule 2201]

F. Ambient Air Quality Analysis

Section 4.14.1 of this Rule requires that an ambient air quality analysis (AAQA) be conducted for the purpose of determining whether a new or modified Stationary Source will cause or make worse a violation of an air quality standard. The Technical Services Division of the SJVAPCD conducted the required analysis. Refer to Appendix D of this document for the AAQA summary sheet.

The proposed location is in an attainment area for NO_x, CO, and SO_x. As shown by the AAQA summary sheet the proposed equipment will not cause a violation of an air quality standard for NO_x, CO, or SO_x.

The proposed location is in a non-attainment area for PM₁₀. The increase in the ambient PM₁₀ concentration due to the proposed equipment is shown on the table titled Calculated Contribution. The levels of significance, from 40 CFR Part 51.165 (b)(2), are shown on the table titled Significance Levels.

Significance Levels					
Pollutant	Significance Levels (µg/m ³) - 40 CFR Part 51.165 (b)(2)				
	Annual Avg.	24 hr Avg.	8 hr Avg.	3 hr Avg.	1 hr Avg.
PM ₁₀	1.0	5.0	N/A	N/A	N/A

Calculated Contribution					
Pollutant	Calculated Contributions (µg/m ³)				
	Annual Avg.	24 hr Avg.	8 hr Avg.	3 hr Avg.	1 hr Avg.
PM ₁₀	5.084E-02	0.00	N/A	N/A	N/A

As shown, the calculated contribution of PM₁₀ will not exceed the EPA significance level. This project is not expected to cause or make worse a violation of an air quality standard.

Rule 2520 Federally Mandated Operating Permits

Since this facility's potential emissions do not exceed any major source thresholds of Rule 2201, this facility is not a major source, and Rule 2520 does not apply.

Rule 4001 New Source Performance Standards (NSPS)

This rule incorporates NSPS from Part 60, Chapter 1, Title 40, Code of Federal Regulations (CFR); and applies to all new sources of air pollution and modifications of existing sources of air pollution listed in 40 CFR Part 60. However, no subparts of 40 CFR Part 60 apply to almond nut processing operation.

Rule 4002 National Emission Standards for Hazardous Air Pollutants (NESHAPs)

This rule incorporates NESHAPs from Part 61, Chapter I, Subchapter C, Title 40, CFR and the NESHAPs from Part 63, Chapter I, Subchapter C, Title 40, CFR; and applies to all sources of hazardous air pollution listed in 40 CFR Part 61 or 40 CFR Part 63. However, no subparts of 40 CFR Part 61 or 40 CFR Part 63 apply to almond nut processing operation.

Rule 4101 Visible Emissions

For operation not served by a baghouse, Section 5.0 indicates that 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 dark or darker than Ringelmann 1 or equivalent to 20% opacity.

Per District Policy SSP 1005, the visible emissions from processes served by a baghouse or dust collector shall not equal or exceed 5% opacity for a period or periods aggregating more than three (3) minutes in any one (1) hour. If the equipment is properly maintained this condition should not be exceeded.

The following condition will be listed on all permits that are part of this project to ensure compliance:

- Visible emissions from the baghouse serving [the operation of each permit] shall not equal or exceed 5% opacity for a period or periods aggregating more than three minutes in one hour. [District Rules 2201 and 4101]

Compliance with this rule is expected.

Rule 4102 Nuisance

Section 4.0 prohibits discharge of air contaminants which could cause injury, detriment, nuisance or annoyance to the public. Public nuisance conditions are not expected as a result of these operations, provided the equipment is well maintained. Therefore, compliance with this rule is expected.

California Health & Safety Code 41700 (Health Risk Assessment)

District Policy APR 1905 – Risk Management Policy for Permitting New and Modified Sources specifies that for an increase in emissions associated with a proposed new source or modification, the District perform an analysis to determine the possible impact to the nearest resident or worksite.

For ATCs C-258-3-4 and C-258-4-4:

An HRA is not required for a project with a total facility prioritization score of less than or equal to one. According to the Technical Services Memo for this project

(Appendix D), the total facility prioritization score including this project was less than or equal to one. Therefore, no future analysis is required to determine the impact from this project and compliance with the District's Risk Management Policy is expected.

For ATCs C-258-1-3, '-2-4, '-3-4, '-9-2, '-10-2 and '-11-2:

An HRA is not required for a project with a total facility prioritization score of less than one. According to the Technical Services Memo for this project (Appendix D), the total facility prioritization score including this project was greater than one. Therefore, a health risk assessment was required to determine the short-term acute and long-term chronic exposure from this project.

The cancer risk for this project is shown below:

HRA Summary		
Unit	Cancer Risk	T-BACT Required
C-258-1-3, '-2-4, '-3-4, '-9-2, '-10-2 and '-11-2	6.96E-07	No

Discussion of T-BACT

BACT for toxic emission control (T-BACT) is required if the cancer risk exceeds one in one million. As demonstrated above, T-BACT is not required for this project because the HRA indicates that the risk is not above the District's thresholds for triggering T-BACT requirements; therefore, compliance with the District's Risk Management Policy is expected.

District policy APR 1905 also specifies that the increase in emissions associated with a proposed new source or modification not have acute or chronic indices, or a cancer risk greater than the District's significance levels (i.e. acute and/or chronic indices greater than 1 and a cancer risk greater than 10 in a million). As outlined by the HRA Summary in Appendix D of this report, the emissions increases for this project was determined to be less than significant.

Rule 4201 Particulate Matter Concentration

Section 3.1 prohibits discharge of dust, fumes, or total particulate matter into the atmosphere from any single source operation in excess of 0.1 grain per dry standard cubic foot.

The PM₁₀ concentration from each baghouse is less than or equal to 0.0038 grains/dscf, therefore, the particulate matter concentration from each baghouse should be less than the maximum allowable 0.1 grains/dscf.

Rule 4202 Particulate Matter Emission Rate

Per section 4.1, particulate matter (PM) emissions from any source operation shall not exceed the allowable hourly emission rate (E) as calculated using the following applicable formulas:

$$E = 3.59 P^{0.62} \text{ (when, } P = \text{ process weight rate } \leq 30 \text{ tons/hr)}$$

$$E = 17.31 P^{0.16} \text{ (when, } P = \text{ process weight rate } > 30 \text{ tons/hr)}$$

- 1) Permit units -1, -2, -3, -4, and -5 will process 43.75 tons-field weight almonds/hr (per applicant).
- 2) Permit units -9, -10, and -11 will process 62.50 tons-field weight almonds/hr (per applicant).

Therefore, $E_{\max} = 17.31 P^{0.16}$ (when, $P =$ process weight rate > 30 tons/hr)

Permit Number	P (ton/hr)	Equation	E_{\max} (lb-PM/hr)
C-258-1-3	43.75	$E_{\max} = 17.31 P^{0.16}$	31.68
C-258-2-4	43.75	$E_{\max} = 17.31 P^{0.16}$	31.68
C-258-3-4	43.75	$E_{\max} = 17.31 P^{0.16}$	31.68
C-258-4-4	43.75	$E_{\max} = 17.31 P^{0.16}$	31.68
C-258-5-4	43.75	$E_{\max} = 17.31 P^{0.16}$	31.68
C-258-9-2	62.50	$E_{\max} = 17.31 P^{0.16}$	33.55
C-258-10-2	62.50	$E_{\max} = 17.31 P^{0.16}$	33.55
C-258-11-2	62.50	$E_{\max} = 17.31 P^{0.16}$	33.55

The PE for each permit unit is PM_{10} per day, assuming PM_{10} is 100% of PM, this yield the following PM calculations:

$$E_{\text{actual}} = PE \text{ (lb-} PM_{10} \text{/day)} \div (24 \text{ hr/day} \times 1.00 \text{ } PM_{10} \text{/PM)}$$

Permit Number	PE (lb- PM_{10} /day)	E_{actual} (lb-PM/hr)		E_{\max} (lb-PM/hr)
C-258-1-3	4.1	0.17	<<	31.68
C-258-2-4	49.1	2.05	<<	31.68
C-258-3-4	32.6	1.36	<<	31.68
C-258-4-4	28.8	1.20	<<	31.68
C-258-5-4	0.2	0.01	<<	31.68
C-258-9-2	29.6	1.23	<<	33.55
C-258-10-2	13.4	0.56	<<	33.55
C-258-11-2	40.1	1.67	<<	33.55

The actual PM emission rates are much less than the maximum emission rates; therefore, compliance with rule is expected.

California Health & Safety Code 42301.6 (School Notice)

The District has verified that this site is not located within 1,000 feet of a school. Therefore, pursuant to California Health and Safety Code 42301.6, a school notice is not required.

California Environmental Quality Act (CEQA)

The California Environmental Quality Act (CEQA) requires each public agency to adopt objectives, criteria, and specific procedures consistent with CEQA Statutes and the CEQA Guidelines for administering its responsibilities under CEQA, including the orderly evaluation of projects and preparation of environmental documents. The San Joaquin Valley Unified Air Pollution Control District (District) adopted its *Environmental Review Guidelines* (ERG) in 2001. The basic purposes of CEQA are to:

- Inform governmental decision-makers and the public about the potential, significant environmental effects of proposed activities.
- Identify the ways that environmental damage can be avoided or significantly reduced.
- Prevent significant, avoidable damage to the environment by requiring changes in projects through the use of alternatives or mitigation measures when the governmental agency finds the changes to be feasible.
- Disclose to the public the reasons why a governmental agency approved the project in the manner the agency chose if significant environmental effects are involved.

The District performed an Engineering Evaluation (this document) for the proposed project and determined that the activity will occur at an existing facility and the project involves negligible expansion of the existing use. Furthermore, the District determined that the activity will not have a significant effect on the environment. The District finds that the activity is categorically exempt from the provisions of CEQA pursuant to CEQA Guideline § 15031 (Existing Facilities), and finds that the project is exempt per the general rule that CEQA applies only to projects which have the potential for causing a significant effect on the environment (CEQA Guidelines §15061(b)(3)).

IX. Recommendation

Compliance with all applicable rules and regulations is expected. Pending a successful NSR Public Noticing period, issue Authorities to Construct C-258-1-3, C-258-2-4, C-258-3-4, C-258-4-4, C-258-5-4, C-258-9-2, C-258-10-2, and C-258-11-2 subject to the permit conditions on the attached draft Authorities to Construct in Appendix E.

X. Billing Information

Annual Permit Fees			
Permit Number	Fee Schedule	Fee Description	Annual Fee
C-258-1-3	3020-01-E	223 HP ELECTRIC MOTOR RATING	\$412.00
C-258-2-4	3020-01-E	248 HP ELECTRIC MOTOR RATING	\$412.00
C-258-3-4	3020-01-F	636 HP ELECTRIC MOTOR RATING	\$607.00
C-258-4-4	3020-01-F	642 HP ELECTRIC MOTOR RATING	\$607.00
C-258-5-4	3020-05-E	130,000 GALLON STORAGE SILOS	\$246.00
C-258-9-2	3020-01-F	478 HP ELECTRIC MOTOR RATING	\$607.00
C-258-10-2	3020-01-G	1,599.45 HP ELECTRIC MOTOR RATING	\$815.00
C-258-11-2	3020-01-G	1,599.45 HP ELECTRIC MOTOR RATING	\$815.00

Appendices

- A: 2005 and 2006 Source Test Results
- B: Valid ATCs
- C: Current PTOs
- D: HRA Summary & AAQA
- E: Draft ATCs

Appendix A
2005 and 2006 Source Test Results

Prepared For:
Central California Almond Growers Association (CCAGA)
10910 East McKinley Avenue
Sanger, CA 93657
(559)-251-1050

Attn: Darin Lundquist

RECEIVED

JAN 19 2005

**COMPLIANCE
SJVAPCD**

**SOURCE EMISSION COMPLIANCE TESTING OF THE MAC BAGHOUSE
CCAGA - Kerman Facility
ATC No. C-258-2-1
Tested On: January 10, 2005**

Prepared By:
AIRx Testing
P.O. Box 1077
17331 Sharon Blvd.
Madera, CA 93639
(559)-673-3354

Job Number:
3150

Laboratory Report Number:
305-003

Test Team Manager:
Carlos Daniel
Source Test Engineer

Reviewed By:
Gabe Lazar
Division Manager

Submitted:
January 17, 2005

 **AIRx TESTING, INC.**

CCAGA
MAC Baghouse
Emission Summary

C-258-2-1
PRE-CLEANING #2

	Run #1	Run #2	Run #3	Average
Date of Testing	1/10/2005	1/10/2005	1/10/2005	NA
Total Particulate Per Stack				
Total gr/dscf	0.0040 ✓	0.0043 ✓	0.0045 ✓	0.0043
Total lbs/hr	2.35 ✓	2.23 ✓	2.32 ✓	2.30
Total lbs/ton	NA	NA	NA	NA
Total Particulate Per System				
Total lbs/hr	2.35	2.23	2.32	2.30
Total lbs/ton	NA	NA	NA	NA
< 10 μ Results per Stack				
- 10 μ gr/scf	0.0036 ✓	0.0038 ✓	0.0033 ✓	0.0036
- 10 μ gr/dscf	0.0037	0.0039	0.0034	0.0036
- 10 μ (lbs/hr)	2.17 ✓	1.99 ✓	1.73 ✓	1.96
- 10 μ (lbs/day)	34.7	31.8	27.7	31.4
< 10 μ Results per System				
- 10 μ (lbs/hr)	2.17	1.99	1.73	1.96
- 10 μ (lbs/day)	34.7	31.8	27.7	31.4
Average tons/hr	NA	NA	NA	NA
Particulate Size Distribution				
+ 10 μ %	7.70	10.67	25.62	14.66
- 10 μ %	92.30	89.33	74.38	85.34
Totals:	100.00	100.00	100.00	100.00
Stacks Flow-Rates				
Vs	59.34 ✓	52.10 ✓	52.46 ✓	54.63
Acfm	69,907.0	61,374.3	61,802.9	64,361.4
Dscfm	68,604.8 ✓	59,817.7 ✓	59,954.4 ✓	62,792.3
System Flow-Rates				
Acfm	-	-	-	64,361.4
Dscfm	-	-	-	62,792.3
Hours Of Operation Per Day				16.0
Number of Stacks In System				1

AIRx Testing PM-10 - 2001

Received

FEB 05 2007

COMPLIANCE
& UVAPCD

Central California Almond Growers Association
Kerman, California - Plant

Compliance Emissions Test Report
Five Baghouse Outlets
Particulate Emission Results
C-258-1-1, C-258-3-2, C-258-5-2, C-258-9-9 & C-258-10-0

Test Date: December 4th, 5th, 6th, 7th and 8th, 2006
Report Date: January 19th, 2007

Performed and Reported by:

BEST ENVIRONMENTAL
6261 Southfront Road
Livermore, CA 94551
Phone: (925) 455-94774
Fax: (925) 455-9479
E-Mail: bestair@sbcglobal.net

Prepared For:

Central California Almond Growers Association
8325 S Madera Ave.
Kerman, CA 93630
Attn: Jim Sears

For Submittal To:

San Joaquin Valley Unified APCD
1990 E Gettysburg Avenue
Fresno, CA 93726
Attn: John Copp

REVIEW AND CERTIFICATION

Team Leader:

The work performed herein was conducted under my supervision, and I certify that the details and results contained within this report are to the best of my knowledge an authentic and accurate representation of the test program. If this report is submitted for Compliance purposed it should only be reproduced in its entirety. If there are any questions concerning this report, please contact the Team Leader or Reviewer at (925) 455-9474.

Suhail Asfour

Suhail Asfour
Project Manager

X106

Reviewer:

I have reviewed this report for presentation and accuracy of content, and hereby certify that to the best of my knowledge the information is complete and correct.

Regan Best

Regan Best
Source Test Manager

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SECTION 1. INTRODUCTION

1.1 Test Purpose

Best Environmental was contracted by Central California Almond Growers Association to perform emission testing on five baghouse. The purpose of the testing is to comply with San Joaquin Valley Unified Air Pollution Control District (SJVUAPCD) Authority to Construct (ATC) # (C-258-1-1), (C-258-3-2), (C258-5-2), (C258-9-0) and (C258-10-0) The (ATC) is included in the appendix.

1.2 Test Location

The testing was conducted on the baghouse exhausts' located at the Central California Almond Growers Association, 8325 S Madera Ave, Kerman, California.

1.3 Test Date(s)

Testing was conducted on December 4th for (C258-10-0), December 5th for (C258-9-0), December 6th for (C-258-3-2), December 7th for (C-258-1-1) and December 8th for (C258-5-2)

1.4 Pollutants Tested

The following emission parameters were measured:

Parameter	Monitoring & Analytical Protocols
DSCFM	EPA Methods 1-4
PM ₁₀	EPA Method 201A
PM ₁₀	CARB Method 5

1.5 Sampling and Observing Personnel

Sampling was performed by Suhail Asfour of BEST ENVIRONMENTAL (BE).

Mr. John Copp from the San Joaquin Valley Unified Air Pollution Control District (SJVUAPCD) was present during the testing.

SECTION 2. SUMMARY OF RESULTS

2.1 Emission Results and Allowable Emissions

Table 2.1:

Source	Parameter	Average	Limit
(C-258-10-0) Baghouse	PM ₁₀ , lbs/ton	<0.0149	0.0092

Table 2.1A:

Source	Parameter	Average	Limit
(C-258-10-0) Baghouse	PM ₁₀ , lbs/ton	0.0047	0.0092

Table 2.2:

Source	Parameter	Average	Limit
(C-258-9-0) Baghouse	PM ₁₀ , lbs/ton	0.015	0.015

Table 2.2A:

Source	Parameter	Average	Limit
(C-258-9-0) Baghouse	PM ₁₀ , lbs/ton	0.013	0.015

Table 2.3:

Source	Parameter	Average	Limit
(C-258-3-2) Baghouse	PM ₁₀ gr/dscf	0.0012	0.0007
(C-258-3-2) Baghouse	PM ₁₀ , lbs/day	1.684	16.7
	flow, dscfm	6724	115,676

Table 2.4:

Source	Parameter	Average	Limit
(C-258-1-1) Baghouse	PM ₁₀ gr/dscf	0.0009	0.004
(C-258-1-1) Baghouse	PM ₁₀ , lbs/day	2.044	4.0
	flow, dscfm	11,242	4822

Table 2.5:

Source	Parameter	Average	Limit
(C-258-5-2) Baghouse	PM ₁₀ gr/dscf	0.0009	0.004
(C-258-5-2) Baghouse	PM ₁₀ , lbs/day	0.093	0.7
	flow, dscfm	489	836

A more extensive summary of the emissions is presented in Tables 1-5 following the text.
See the comments section on page 3 for further discussion of the results.

2.2 Process Data

The Process Data provided by CCAGA can be found in Appendix E in the report.

TABLE # 4
Particulate Emissions Results
CCAGA
OP #1-Almond Precleaning-Saunco Baghouse
ATC # C-258-1-1

RUN #	1	2	3	AVERAGE	LIMITS
TEST DATE	12-07-06	12-07-06	12-07-06		
TEST TIME	1235-1355	1440-1543	1610-1713		
PRODUCTION RATE, TPH	25.674	25.674	25.674		
SAMPLE VOLUME (DSCF)	38.727	38.260	38.195		
ISOKINETIC (%)	99.9	99.9	99.7		
DUCT TEMP., (°F)	67.7	69.4	68.0	68.4	
VELOCITY (ft/sec)	25.60	25.42	25.40	25.47	
FLOW RATE (ACFM)	11,518	11,441	11,428	11,462	
FLOW RATE (DSCFM)	11,334	11,194	11,198	11,242	4823 EXCESS
H ₂ O (volume %)	0.36	0.60	0.72	0.56	
O ₂ (volume %)	20.9	20.9	20.9	20.9	
CO ₂ (volume %)	0.05	0.05	0.05	0.05	
F.H. Particulate Conc. (gr/DSCF)	0.0005	0.0003	0.0003	0.0004	
F.H. Particulate Emissions (Lbs/hr)	0.046	0.031	0.031	0.036	
Organic Particulate Conc. (gr/DSCF)	0.00016	0.00008	0.00028	0.00017	
Organic Particulate Emissions (Lbs/hr)	0.0155	0.0077	0.0271	0.0168	
Inorganic Particulate Conc. (gr/DSCF)	0.0004	0.0003	0.0003	0.0003	
Inorganic Particulate Emissions (Lbs/hr)	0.0387	0.0310	0.0271	0.0323	
Tot. Particulate Conc. (gr/DSCF)	0.0010	0.0007	0.0009	0.0009 ✓	0.004 ✓
Tot. Particulate Emissions (Lbs/hr)	0.101	0.070	0.085	0.085 ✓	
Tot. Particulate Emissions (Lbs/day)	2.415	1.671	2.047	2.044 ✓	4.0 ✓
Tot. Particulate Emissions (Lbs/ton)	0.0039	0.0027	0.0033	0.0033 ✓	

WHERE

DSCF = Sample Volume in Dry Standard Cubic Feet
ACFM = Actual Cubic Feet per Minute
DSCFM = Dry Standard Cubic Feet per Minute
H₂O, volume % = Stack gas percent water vapor
gr/DSCF = Particulate concentration in grains per DSCF
F.H. Particulate = Filterable Particulates
Organic Particulate = Condensable Organic Particulate (solvent extract)
Inorganic Particulate = Condensable Inorganic Particulate (Acids & Sulfates)
TPH = Tons per Hour

CALCULATIONS

Lbs/hr Emission Rate = 0.00857 * gr/DSCF * DSCFM
Lbs/day Emission Rate = Lbs/hr Emission Rate * 24
Lbs/ton Emission Factor = lbs/hr / TPH

TABLE # 5
Particulate Emissions Results
CCAGA
Four Shell Storage Silos-MAC Baghouse
ATC # C-258-5-2

RUN #	1	2	3	AVERAGE	LIMITS
TEST DATE	12-08-06	12-08-06	12-08-06		
TEST TIME	1005-1107	1130-1235	1255-1358		
PRODUCTION RATE, TPH	38.601	38.601	38.601		
SAMPLE VOLUME (DSCF)	42.301	42.347	42.157		
ISOKINETIC (%)	100.2	100.3	99.9		
DUCT TEMP., (°F)	63.1	60.0	60.6	61.2	
VELOCITY (ft/sec)	14.76	14.73	14.74	14.74	
FLOW RATE (ACFM)	483	482	482	482	
FLOW RATE (DSCFM)	479	479	479	479 ✓	836
H ₂ O (volume %)	0.22	0.54	0.55	0.44	
O ₂ (volume %)	20.9	20.9	20.9	20.9	
CO ₂ (volume %)	0.05	0.05	0.05	0.05	
F.H. Particulate Conc. (gr/DSCF)	0.0006	<0.0002	<0.0003	<0.0004	
F.H. Particulate Emissions (Lbs/hr)	0.003	<0.001	<0.001	<0.002	
Organic Particulate Conc. (gr/DSCF)	0.00011	0.00011	0.00022	0.00015	
Organic Particulate Emissions (Lbs/hr)	0.0004	0.0004	0.0009	0.0006	
Inorganic Particulate Conc. (gr/DSCF)	0.0005	0.0004	0.0004	0.0004	
Inorganic Particulate Emissions (Lbs/hr)	0.0019	0.0016	0.0015	0.0017	
Tot. Particulate Conc. (gr/DSCF)	0.0012	0.0007	0.0009	0.0009 ✓	0.004 ✓
Tot. Particulate Emissions (Lbs/hr)	0.005	0.003	0.004	0.004 ✓	
Tot. Particulate Emissions (Lbs/day)	0.119	0.072	0.087	0.093 ✓	0.7 ✓
Tot. Particulate Emissions (Lbs/ton)	0.0001	0.0001	0.0001	0.0001 ✓	

WHERE

DSCF = Sample Volume in Dry Standard Cubic Feet

ACFM = Actual Cubic Feet per Minute

DSCFM = Dry Standard Cubic Feet per Minute

H₂O, volume % = Stack gas percent water vapor

gr/DSCF = Particulate concentration in grains per DSCF

F.H. Particulate = Filterable Particulates

Organic Particulate = Condensable Organic Particulate (solvent extract)

Inorganic Particulate = Condensable Inorganic Particulate (Acids & Sulfates)

TPH = Tons per Hour

CALCULATIONS

Lbs/hr Emission Rate = 0.00857 * gr/DSCF * DSCFM

Lbs/day Emission Rate = Lbs/hr Emission Rate * 24

Lbs/ton Emission Factor = lbs/hr / TPH

TABLE # 3
Particulate Emissions Results
CCAGA
Dual (2) MAC Baghouses
ATC # C-258-3-2

RUN #	1	2	3	AVERAGE	LIMITS
TEST DATE	12-06-06	12-06-06	12-06-06		
TEST TIME	0915-1018	1048-1151	1214-1317		
PRODUCTION RATE, TPH	36.782	36.782	36.782		
SAMPLE VOLUME (DSCF)	43.625	46.697	46.649		
ISOKINETIC (%)	100.2	100.2	99.6		
DUCT TEMP., (°F)	74.9	79.3	84.0	79.4	
VELOCITY (ft/sec)	15.93	17.13	17.38	16.81	
FLOW RATE (ACFM)	6,757	7,266	7,372	7,131	
FLOW RATE (DSCFM)	6,412	6,863	6,896	6,724	115.676
H ₂ O (volume %)	0.74	0.40	0.49	0.54	
O ₂ (volume %)	20.9	20.9	20.9	20.9	
CO ₂ (volume %)	0.05	0.05	0.05	0.05	
F.H. Particulate Conc. (gr/DSCF)	0.0007	0.0008	0.0006	0.0007	
F.H. Particulate Emissions (Lbs/hr)	0.039	0.049	0.035	0.041	
Organic Particulate Conc. (gr/DSCF)	0.00007	<0.00007	<0.00007	<0.00007	
Organic Particulate Emissions (Lbs/hr)	0.0039	<0.0039	<0.0039	<0.0039	
Inorganic Particulate Conc. (gr/DSCF)	0.0005	0.0004	0.0004	0.0004	
Inorganic Particulate Emissions (Lbs/hr)	0.0272	0.0253	0.0235	0.0253	
Tot. Particulate Conc. (gr/DSCF)	0.0013	0.0013	0.0011	0.0012 ✓	0.0007 ✓
Tot. Particulate Emissions (Lbs/hr)	0.070	0.078	0.062	0.070 ✓	
Tot. Particulate Emissions (Lbs/day)	1.684	1.875	1.492	1.684 ✓	16.7
Tot. Particulate Emissions (Lbs/ton)	0.0019	0.0021	0.0017	0.0019 ✓	

WHERE

DSCF = Sample Volume in Dry Standard Cubic Feet
ACFM = Actual Cubic Feet per Minute
DSCFM = Dry Standard Cubic Feet per Minute
H₂O, volume % = Stack gas percent water vapor
gr/DSCF = Particulate concentration in grains per DSCF
F.H. Particulate = Filterable Particulates
Organic Particulate = Condensable Organic Particulate (solvent extract)
Inorganic Particulate = Condensable Inorganic Particulate (Acids & Sulfates)
TPH = Tons per Hour

CALCULATIONS

Lbs/hr Emission Rate = 0.00857 * gr/DSCF * DSCFM
Lbs/day Emission Rate = Lbs/hr Emission Rate * 24
Lbs/ton Emission Factor = lbs/hr / TPH

TABLE # 2
METHOD 201A PM₁₀ PARTICULATE RESULTS
CCAGA
OP #3-ALMOND PRECLEANING-LMC BAGHOUSE
ATC # C-258-9-0

RUN #	3	4	5	AVERAGE	LIMITS
TEST DATE	12-05-06	12-05-06	12-05-06		
TEST TIME	1120-1431	1543-1723	1750-1934		
PROCESS RATE (TPH)	31.687	31.687	31.687		
CYCLONE CUTPOINT (microns)	9.98	9.84	9.82		
SAMPLE VOLUME (DSCF)	41.294	43.356	43.278		
ISOKINETIC (%)	89.1	89.4	88.1		
DUCT TEMP., (°F)	62.2	53.5	57.0	57.6	
VELOCITY (ft/sec)	34.96	35.05	35.75	35.25	
FLOW RATE (ACFM)	59,315	59,457	60,650	59,808	
FLOW RATE (DSCFM)	57,258	58,516	59,097	58,290	
H ₂ O (volume %)	0.9	0.6	1.0	0.8	
>PM ₁₀ Particulate Conc. (gr/DSCF)	0.0001	0.0004	0.0002	0.0003	
>PM ₁₀ Particulate Emissions (Lbs/hr)	0.0715	0.2124	0.1264	0.1368	
PM ₁₀ Filterable Particulate Conc. (gr/DSCF)	<0.0002	0.0004	0.0006	0.0004	
PM ₁₀ Filterable Particulate Emissions (Lbs/hr)	<0.0917	0.1874	0.3106	0.1965	
PM ₁₀ Inorganic Particulate Conc. (gr/DSCF)	0.0004	0.0007	0.0002	0.0004	
PM ₁₀ Inorganic Particulate Emissions (Lbs/hr)	0.202	0.339	0.108	0.216	
PM ₁₀ Organic Particulate Conc. (gr/DSCF)	0.0001	0.0001	<0.0001	0.0001	
PM ₁₀ Organic Particulate Emissions (Lbs/hr)	0.0367	0.0714	<0.0361	0.0481	
Tot. PM ₁₀ Particulate Conc. (gr/DSCF)	0.0007	0.0012	0.0009	0.0009 ✓	
Tot. PM ₁₀ Particulate Emissions (Lbs/hr)	0.330	0.598	0.455	0.461 ✓	
Tot. PM ₁₀ Particulate Emission Factor (Lbs/ton)	0.010	0.019	0.014	0.015 ✓	0.015
PM ₁₀ Fraction (%)	82.19%	73.79%	78.26%	78.08%	0.0145
Tot. Particulate Conc. (gr/DSCF)	0.0008	0.0016	0.0011	0.0012 ✓	
Tot. Particulate Emissions (Lbs/hr)	0.402	0.810	0.581	0.598 ✓	
Tot. Particulate Emission Factor (Lbs/ton)	0.013	0.026	0.018	0.019 ✓	

WHERE

DSCF = Sample Volume in Dry Standard Cubic Feet

DSCFM = Dry Standard Cubic Feet per Minute

ACFM = Actual Cubic Feet per Minute

H₂O, volume % = Stack gas percent water vapor

gr/DSCF = Particulate concentration in grains per DSCF

PM₁₀ = Particulate smaller than 10 microns in diameter>PM₁₀ = Particulate greater than 10 microns in diameter

Total Particulate = Cyclone, Filterable & Condensable Particulate Matter

lbs/hr = pound per Hour Emission Rate

CALCULATIONS

Lbs/hr Emission Rate = 0.00857 * gr/DSCF * DSCFM

Lbs/ton Emission Rate = Lbs/hr / Tons/hr

Tstd. = Standard Temp., °R = °F + 460

TABLE # 2A
METHOD 201A PM₁₀ PARTICULATE RESULTS
CCAGA
OP #3-ALMOND PRECLEANING-LMC BAGHOUSE
ATC # C-258-9-0

RUN #	3	4	5	AVERAGE	LIMITS
TEST DATE	12-05-06	12-05-06	12-05-06		
TEST TIME	1120-1431	1543-1723	1750-1934		
PROCESS RATE (TPH)	31.687	31.687	31.687 ✓		
CYCLONE CUTPOINT (microns)	9.98	9.84	9.82		
SAMPLE VOLUME (DSCF)	41.294	43.356	43.278		
ISOKINETIC (%)	89.1	89.4	88.1		
DUCT TEMP., (°F)	62.2	53.5	57.0	57.6	
VELOCITY (ft/sec)	34.96	35.05	35.75	35.25	
FLOW RATE (ACFM)	59,315	59,457	60,650	59,808	
FLOW RATE (DSCFM)	57,258	58,516	59,097	58,290	
H ₂ O (volume %)	0.9	0.6	1.0	0.8	
>PM ₁₀ Particulate Conc. (gr/DSCF)	0.0001	0.0004	0.0002	0.0003	
>PM ₁₀ Particulate Emissions (Lbs/hr)	0.0715	0.2124	0.1264	0.1368	
PM ₁₀ Filterable Particulate Conc. (gr/DSCF)	0.0000	0.0004	0.0006	0.0003	
PM ₁₀ Filterable Particulate Emissions (Lbs/hr)	0.0000	0.1874	0.3106	0.1660	
PM ₁₀ Inorganic Particulate Conc. (gr/DSCF)	0.0004	0.0007	0.0002	0.0004	
PM ₁₀ Inorganic Particulate Emissions (Lbs/hr)	0.202	0.339	0.108	0.216	
PM ₁₀ Organic Particulate Conc. (gr/DSCF)	0.0001	0.0001	0.0000	0.0001	
PM ₁₀ Organic Particulate Emissions (Lbs/hr)	0.0367	0.0714	0.0000	0.0360	
Tot. PM ₁₀ Particulate Conc. (gr/DSCF)	0.0005	0.0012	0.0008	0.0008	
Tot. PM ₁₀ Particulate Emissions (Lbs/hr)	0.238	0.598	0.419	0.418	
Tot. PM ₁₀ Particulate Emission Factor (Lbs/ton)	0.008	0.019	0.013	0.013	0.015
PM ₁₀ Fraction (%)	76.92%	73.79%	76.82%	75.84%	
Tot. Particulate Conc. (gr/DSCF)	0.0006	0.0016	0.0011	0.0011	
Tot. Particulate Emissions (Lbs/hr)	0.310	0.810	0.545	0.555	
Tot. Particulate Emission Factor (Lbs/ton)	0.010	0.026	0.017	0.018	

WHERE

DSCF = Sample Volume in Dry Standard Cubic Feet

DSCFM = Dry Standard Cubic Feet per Minute

ACFM = Actual Cubic Feet per Minute

H₂O, volume % = Stack gas percent water vapor

gr/DSCF = Particulate concentration in grains per DSCF

PM₁₀ = Particulate smaller than 10 microns in diameter>PM₁₀ = Particulate greater than 10 microns in diameter

Total Particulate = Cyclone, Filterable & Condensable Particulate Matter

lbs/hr = pound per Hour Emission Rate

CALCULATIONS

Lbs/hr Emission Rate = 0.00857 * gr/DSCF * DSCFM

Lbs/ton Emission Rate = Lbs/hr / Tons/hr

Tstd. = Standard Temp., °R = °F + 460

TABLE # 1
METHOD 201A PM₁₀ PARTICULATE RESULTS
CCAGA
Op #3-ALMOND HULLER & SHELLER- LMC BAGHOUSE
ATC # C-258-10-0

RUN #	1	2	3	AVERAGE	LIMITS
TEST DATE	12-04-06	12-04-06	12-04-06		
TEST TIME	1100-1243	1314-1454	1522-1704		
PROCESS RATE (TPH)	46.569	46.569	46.569	46.671	
CYCLONE CUTPOINT (microns)	9.80	9.95	9.81		
SAMPLE VOLUME (DSCF)	43.515	41.915	43.446		
ISOKINETIC (%)	101.0	98.8	98.7		
DUCT TEMP., (°F)	57.4	62.4	60.5	60.1	
VELOCITY (ft/sec)	76.63	77.62	78.94	77.73	
FLOW RATE (ACFM)	132,149	133,844	136,126	134,040	
FLOW RATE (DSCFM)	128,193	128,679	131,401	129,424	
H ₂ O (volume %)	1.2	1.1	1.1	1.1	
>PM ₁₀ Particulate Conc. (gr/DSCF)	0.0003	0.0001	0.0001	0.0002	
>PM ₁₀ Particulate Emissions (Lbs/hr)	0.3116	0.0974	0.1280	0.1790	
PM ₁₀ Filterable Particulate Conc. (gr/DSCF)	<0.0001	<0.0001	<0.0001	<0.0001	
PM ₁₀ Filterable Particulate Emissions (Lbs/hr)	<0.1558	<0.1624	<0.1680	<0.1621	
PM ₁₀ Inorganic Particulate Conc. (gr/DSCF)	0.0002	0.0002	0.0008	0.0004	
PM ₁₀ Inorganic Particulate Emissions (Lbs/hr)	0.195	0.244	0.920	0.453	
PM ₁₀ Organic Particulate Conc. (gr/DSCF)	<0.0001	<0.0001	0.0001	<0.0001	
PM ₁₀ Organic Particulate Emissions (Lbs/hr)	<0.0779	<0.0812	0.0800	<0.0797	
Tot. PM ₁₀ Particulate Conc. (gr/DSCF)	<0.0004	<0.0004	0.0010	<0.0006	✓
Tot. PM ₁₀ Particulate Emissions (Lbs/hr)	<0.429	<0.487	1.168	<0.694	✓
Tot. PM ₁₀ Particulate Emission Factor (Lbs/ton)	<0.0092	<0.0105	0.0251	<0.0149	0.0092
PM ₁₀ Fraction (%)	57.89%	83.33%	90.12%	77.12%	
Tot. Particulate Conc. (gr/DSCF)	0.0007	0.0005	0.0012	0.0008	✓
Tot. Particulate Emissions (Lbs/hr)	0.740	0.585	1.296	0.874	✓
Tot. Particulate Emission Factor (Lbs/ton)	0.016	0.013	0.028	0.019	

WHERE

DSCF = Sample Volume in Dry Standard Cubic Feet

DSCFM = Dry Standard Cubic Feet per Minute

ACFM = Actual Cubic Feet per Minute

H₂O, volume % = Stack gas percent water vapor

gr/DSCF = Particulate concentration in grains per DSCF

PM₁₀ = Particulate smaller than 10 microns in diameter>PM₁₀ = Particulate greater than 10 microns in diameter

Total Particulate = Cyclone, Filterable & Condensable Particulate Matter

lbs/hr = pound per Hour Emission Rate

CALCULATIONS

Lbs/hr Emission Rate = 0.00857 * gr/DSCF * DSCFM

Lbs/ton Emission Rate = Lbs/hr / Tons/hr

Tstd. = Standard Temp., °R = °F + 460

TABLE # 1A
METHOD 201A PM₁₀ PARTICULATE RESULTS
CCAGA
Op #3-ALMOND HULLER & SHELLER- LMC BAGHOUSE
ATC # C-258-10-0

RUN #	1	2	3	AVERAGE	LIMITS
TEST DATE	12-04-06	12-04-06	12-04-06		
TEST TIME	1100-1243	1314-1454	1522-1704		
PROCESS RATE (TPH)	46.569	46.569	46.569		
CYCLONE CUTPOINT (microns)	9.80	9.95	9.81		
SAMPLE VOLUME (DSCF)	43.515	41.915	43.446		
ISOKINETIC (%)	101.0	98.8	98.7		
DUCT TEMP., (°F)	57.4	62.4	60.5	60.1	
VELOCITY (ft/sec)	76.63	77.62	78.94	77.73	
FLOW RATE (ACFM)	132,149	133,844	136,126	134,040	
FLOW RATE (DSCFM)	128,193	128,679	131,401	129,424	
H ₂ O (volume %)	1.2	1.1	1.1	1.1	
>PM ₁₀ Particulate Conc. (gr/DSCF)	0.0003	0.0001	0.0001	0.0002	
>PM ₁₀ Particulate Emissions (Lbs/hr)	0.3116	0.0974	0.1280	0.1790	
PM ₁₀ Filterable Particulate Conc. (gr/DSCF)	0.0000	0.0000	0.0000	0.0000	
PM ₁₀ Filterable Particulate Emissions (Lbs/hr)	0.0000	0.0000	0.0000	0.0000	
PM ₁₀ Inorganic Particulate Conc. (gr/DSCF)	0.0002	0.0002	0.0008	0.0004	
PM ₁₀ Inorganic Particulate Emissions (Lbs/hr)	0.195	0.244	0.920	0.453	
PM ₁₀ Organic Particulate Conc. (gr/DSCF)	0.0000	0.0000	0.0001	0.0000	
PM ₁₀ Organic Particulate Emissions (Lbs/hr)	0.0000	0.0000	0.0800	0.0267	
Tot. PM ₁₀ Particulate Conc. (gr/DSCF)	0.0002	0.0002	0.0009	0.0004	
Tot. PM ₁₀ Particulate Emissions (Lbs/hr)	0.195	0.244	1.000	0.479	
Tot. PM ₁₀ Particulate Emission Factor (Lbs/ton)	0.0042	0.0052	0.0215	0.0047	0.0092
PM ₁₀ Fraction (%)	38.46%	71.43%	33.65%	54.95%	
Tot. Particulate Conc. (gr/DSCF)	0.0005	0.0003	0.0010	0.0004	
Tot. Particulate Emissions (Lbs/hr)	0.506	0.341	1.123	0.424	
Tot. Particulate Emission Factor (Lbs/ton)	0.011	0.007	0.021	0.009	

Notes: Run 3 not included in Average

WHERE

DSCF = Sample Volume in Dry Standard Cubic Feet

DSCFM = Dry Standard Cubic Feet per Minute

ACFM = Actual Cubic Feet per Minute

H₂O, volume % = Stack gas percent water vapor

gr/DSCF = Particulate concentration in grains per DSCF

PM₁₀ = Particulate smaller than 10 microns in diameter>PM₁₀ = Particulate greater than 10 microns in diameter

Total Particulate = Cyclone, Filterable & Condensable Particulate Matter

lbs/hr = pound per Hour Emission Rate

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CALCULATIONS

Lbs/hr Emission Rate = 0.00857 * gr/DSCF * DSCFM

Lbs/ton Emission Rate = Lbs/hr / Tons/hr

Tstd. = Standard Temp., °R = °F + 460

Appendix B: Valid ATCs



San Joaquin Valley
AIR POLLUTION CONTROL DISTRICT

AUTHORITY TO CONSTRUCT

PERMIT NO: C-258-1-2

ISSUANCE DATE: 07/05/2007

LEGAL OWNER OR OPERATOR: CENTRAL CA ALMOND GROWERS ASSC

MAILING ADDRESS: 10910 E MCKINLEY AVE
 SANGER, CA 93657

LOCATION: 8325 S MADERA AVE
 KERMAN, CA 93630

EQUIPMENT DESCRIPTION:

MODIFICATION OF 223 HP ALMOND PRE-CLEANING OPERATION #1 CONSISTING OF ONE RECEIVING PIT, ONE STICKREEL, ONE DESTONER, THREE DIRT CONVEYORS, AND TWO SAND SCREENS, CONTROLLED WITH A SAUNCO BAGHOUSE MODEL 2-32 AND TWO CYCLONES CONTROLLING THE DESTONER: INCREASE ANNUAL DAYS OF OPERATION TO 146 DAYS PER CALENDAR YEAR AND ESTABLISH PM10 EMISSIONS AT 0.0016 GR/DSCF

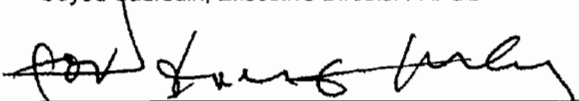
CONDITIONS

1. This Authority to Construct (ATC) cancels and supercedes ATC C-0258-1-1. [District Rule 2201]
2. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]
3. This almond processing operation shall not operate more than 146 days per calendar year. [District Rule 2201]
4. Visible emissions from the baghouse serving this almond pre-cleaning operation shall not equal or exceed 5% opacity for a period or periods aggregating more than three minutes in one hour. [District NSR Rule]
5. The baghouse shall be maintained and operated according to manufacturer's specifications. [District Rule 2201]
6. 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]
7. The baghouse cleaning frequency and duration shall be adjusted to optimize the control efficiency. [District NSR Rule]
8. Replacement bags numbering at least 10% of the total number of bags in the baghouse shall be maintained on the premises. [District Rule 2201]
9. The baghouse shall be equipped with a pressure differential gauge to indicate the pressure drop across the bags. The gauge shall be maintained in good working condition at all times and shall be located in an easily accessible location. [District NSR Rule]

CONDITIONS CONTINUE ON NEXT PAGE

YOU MUST NOTIFY THE DISTRICT COMPLIANCE DIVISION AT (559) 230-5950 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 / APCO



DAVID WARNER, Director of Permit Services

C-258-1-2 - Jul 9 2007 4:04PM -- PAMPAIAD Joint Inspection NOT Required

10. The pressure drop across the bags shall be maintained below 6" of water column. [District Rule 2201]
11. Material removed from the dust collector(s) shall be disposed of in a manner preventing entrainment into the atmosphere. [District NSR Rule]
12. Differential operating pressure shall be monitored and recorded on each day that the baghouse operates. [District Rule 2201]
13. During seasonal operation the baghouse shall be inspected monthly and any tears, holes, or rips in the bags shall be repaired or blinded upon detection. [District Rule 2201]
14. Emissions from the Saunco baghouse and the two cyclones controlling this almond pre-cleaning operation shall not exceed 6.2 lb-PM10/day. [District Rule 2201]
15. PM10 emissions concentration from the Saunco baghouse controlling this almond pre-cleaning operation shall not exceed 0.0015 grains/scf. [District Rule 2201]
16. Maximum airflow from the Saunco baghouse controlling this almond pre-cleaning operation shall not exceed 20,120 scfm. [District Rule 2201]
17. Permittee shall maintain records of operating schedule. [District Rule 2201]
18. Records of all maintenance of the baghouse, including all change outs of filter media, shall be maintained. [District Rule 2201]
19. All records shall be maintained and retained on-site for a minimum of five (5) years, and shall be made available for District inspection upon request. [District Rule 1070]



San Joaquin Valley AIR POLLUTION CONTROL DISTRICT

AUTHORITY TO CONSTRUCT

PERMIT NO: C-258-2-3

ISSUANCE DATE: 07/05/2007

LEGAL OWNER OR OPERATOR: CENTRAL CA ALMOND GROWERS ASSC

MAILING ADDRESS: 10910 E MCKINLEY AVE
SANGER, CA 93657

LOCATION: 8325 S MADERA AVE
KERMAN, CA 93630

EQUIPMENT DESCRIPTION:

MODIFICATION OF 248 HP ALMOND PRE-CLEANING OPERATION #2 CONSISTING OF CONVEYORS, ELEVATORS, DESTONER, DETWIGGERS, TEXAS SHAKERS, STICKREEL, AUGERS, PUMP, AND AIR COMPRESSOR, CONTROLLED WITH A MAC MODEL 144MCF572 BAGHOUSE: INCREASE ANNUAL DAYS OF OPERATION TO 146 DAYS PER CALENDAR YEAR AND ESTABLISH PM10 EMISSIONS FACTOR AT 0.0016 GR/DSCF

CONDITIONS

1. This Authority to Construct (ATC) cancels and supercedes ATC C-0258-2-2. [District Rule 2201]
2. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]
3. This almond processing operation shall not operate more than 146 days per calendar year. [District Rule 2201]
4. Visible emissions from the baghouse serving this almond pre-cleaning operation shall not equal or exceed 5% opacity for a period or periods aggregating more than three minutes in one hour. [District NSR Rule]
5. The baghouse shall be maintained and operated according to manufacturer's specifications. [District Rule 2201]
6. 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]
7. The baghouse cleaning frequency and duration shall be adjusted to optimize the control efficiency. [District NSR Rule]
8. Replacement bags numbering at least 10% of the total number of bags in the baghouse shall be maintained on the premises. [District Rule 2201]
9. The baghouse shall be equipped with a pressure differential gauge to indicate the pressure drop across the bags. The gauge shall be maintained in good working condition at all times and shall be located in an easily accessible location. [District NSR Rule]
10. The pressure drop across the bags shall be maintained between 1" and 4" of water column. [District Rule 2201]

CONDITIONS CONTINUE ON NEXT PAGE

YOU MUST NOTIFY THE DISTRICT COMPLIANCE DIVISION AT (559) 230-5950 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 / APCO

DAVID WARNER, Director of Permit Services

C-258-2-3 Jul 9 2007 4:04PM - PAMPAUD : Joint Inspection NOT Required

11. Material removed from the dust collector(s) shall be disposed of in a manner preventing entrainment into the atmosphere. [District NSR Rule]
12. Differential operating pressure shall be monitored and recorded on each day that the baghouse operates. [District Rule 2201]
13. During seasonal operation the baghouse shall be inspected monthly and any tears, holes, or rips in the bags shall be repaired or blinded upon detection. [District Rule 2201]
14. Emissions from the MAC baghouse controlling this almond pre-cleaning operation shall not exceed 18.8 lb-PM10/day. [District Rule 2201]
15. PM10 emissions concentration from the MAC baghouse controlling this almond pre-cleaning operation shall not exceed 0.0015 grains/scf. [District Rule 2201]
16. Maximum airflow from the MAC baghouse controlling this almond pre-cleaning operation shall not exceed 60,850 scfm. [District Rule 2201]
17. Permittee shall maintain records of operating schedule. [District Rule 2201]
18. Records of all maintenance of the baghouse, including all change outs of filter media, shall be maintained. [District Rule 2201]
19. All records shall be maintained and retained on-site for a minimum of five (5) years, and shall be made available for District inspection upon request. [District Rule 1070]



AUTHORITY TO CONSTRUCT

PERMIT NO: C-258-3-3

ISSUANCE DATE: 07/05/2007

LEGAL OWNER OR OPERATOR: CENTRAL CA ALMOND GROWERS ASSC

MAILING ADDRESS: 10910 E MCKINLEY AVE
SANGER, CA 93657

LOCATION: 8325 S MADERA AVE
KERMAN, CA 93630

EQUIPMENT DESCRIPTION:

MODIFICATION OF 636 HP ALMOND SHELLING OPERATION #2 CONSISTING OF AUGERS, CONVEYORS, ELEVATORS, TURRENT DRIVES, DESTONERS, ROLLERS, CRACKERS, AND AUGERS CONTROLLED WITH TWO MAC MODEL 144MCF572 BAGHOUSES: INCREASE ANNUAL DAYS OF OPERATION TO 146 DAYS PER CALENDAR YEAR AND ESTABLISH PM10 EMISSIONS FACTOR AT 0.0016 GR/DSCF

CONDITIONS

1. This Authority to Construct (ATC) cancels and supercedes ATC C-0258-3-2. [District Rule 2201]
2. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]
3. This almond processing operation shall not operate more than 146 days per calendar year. [District Rule 2201]
4. Visible emissions from the baghouse serving this almond pre-cleaning operation shall not equal or exceed 5% opacity for a period or periods aggregating more than three minutes in one hour. [District NSR Rule]
5. The baghouse shall be maintained and operated according to manufacturer's specifications. [District Rule 2201]
6. 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]
7. The baghouse cleaning frequency and duration shall be adjusted to optimize the control efficiency. [District NSR Rule]
8. Replacement bags numbering at least 10% of the total number of bags in the baghouse shall be maintained on the premises. [District Rule 2201]
9. The baghouse shall be equipped with a pressure differential gauge to indicate the pressure drop across the bags. The gauge shall be maintained in good working condition at all times and shall be located in an easily accessible location. [District NSR Rule]
10. The pressure drop across the bags shall be maintained below 6" of water column. [District Rule 2201]

CONDITIONS CONTINUE ON NEXT PAGE

YOU MUST NOTIFY THE DISTRICT COMPLIANCE DIVISION AT (559) 230-5950 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 / APCO

David Warner

DAVID WARNER, Director of Permit Services

C-258-3-3; Jul 9 2007 4:04PM -- PAMPAIAD - Joint Inspection NOT Required

11. Material removed from the dust collector(s) shall be disposed of in a manner preventing entrainment into the atmosphere. [District NSR Rule]
12. Differential operating pressure shall be monitored and recorded on each day that the baghouse operates. [District Rule 2201]
13. During seasonal operation the baghouse shall be inspected monthly and any tears, holes, or rips in the bags shall be repaired or blinded upon detection. [District Rule 2201]
14. Emissions from the MAC baghouses controlling this almond shelling operation shall not exceed 37.6 lb-PM10/day combined. [District Rule 2201]
15. PM10 emissions concentration from either MAC baghouse controlling this almond shelling operation shall not exceed 0.0015 grains/scf. [District Rule 2201]
16. Maximum airflow from either MAC baghouse controlling this almond shelling operation shall not exceed 60,850 scfm. [District Rule 2201]
17. Permittee shall maintain records of operating schedule. [District Rule 2201]
18. Records of all maintenance of the baghouse, including all change outs of filter media, shall be maintained. [District Rule 2201]
19. All records shall be maintained and retained on-site for a minimum of five (5) years, and shall be made available for District inspection upon request. [District Rule 1070]



San Joaquin Valley
AIR POLLUTION CONTROL DISTRICT

AUTHORITY TO CONSTRUCT

PERMIT NO: C-258-4-3

ISSUANCE DATE: 07/05/2007

LEGAL OWNER OR OPERATOR: CENTRAL CA ALMOND GROWERS ASSC

MAILING ADDRESS: 10910 E MCKINLEY AVE
SANGER, CA 93657

LOCATION: 8325 S MADERA AVE
KERMAN, CA 93630

EQUIPMENT DESCRIPTION:

MODIFICATION OF 642 HP ALMOND HULLER AND SHELLER #1 CONSISTING OF SCREENS, CRACKERS, SHEAR ROLLS, CONVEYORS, AUGERS, AND ELEVATORS CONTROLLED WITH A MAC MODEL 144MCF255 AND A SAUNCO MODEL 5-3200 BAGHOUSE: INCREASE ANNUAL DAYS OF OPERATION TO 146 DAYS PER CALENDAR YEAR AND ESTABLISH PM10 EMISSIONS FACTOR AT 0.0016 GR/DSCF

CONDITIONS

1. This Authority to Construct (ATC) cancels and supercedes ATC C-0258-4-2. [District Rule 2201]
2. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]
3. This almond processing operation shall not operate more than 146 days per calendar year. [District Rule 2201]
4. Visible emissions from the baghouse serving this almond pre-cleaning operation shall not equal or exceed 5% opacity for a period or periods aggregating more than three minutes in one hour. [District NSR Rule]
5. The baghouse shall be maintained and operated according to manufacturer's specifications. [District Rule 2201]
6. 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]
7. The baghouse cleaning frequency and duration shall be adjusted to optimize the control efficiency. [District NSR Rule]
8. Replacement bags numbering at least 10% of the total number of bags in the baghouse shall be maintained on the premises. [District Rule 2201]
9. The baghouse shall be equipped with a pressure differential gauge to indicate the pressure drop across the bags. The gauge shall be maintained in good working condition at all times and shall be located in an easily accessible location. [District NSR Rule]
10. The pressure drop across the bags shall be maintained between 3" and 6" of water column. [District Rule 2201]

CONDITIONS CONTINUE ON NEXT PAGE

YOU MUST NOTIFY THE DISTRICT COMPLIANCE DIVISION AT (559) 230-5950 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 / APCO

DAVID WARNER, Director of Permit Services

C-258-4-3 Jul 9 2007 4:04PM - PAMPA/AD Joint Inspection NOT Required

11. Material removed from the dust collector(s) shall be disposed of in a manner preventing entrainment into the atmosphere. [District NSR Rule]
12. Differential operating pressure shall be monitored and recorded on each day that the baghouse operates. [District Rule 2201]
13. During seasonal operation the baghouse shall be inspected monthly and any tears, holes, or rips in the bags shall be repaired or blinded upon detection. [District Rule 2201]
14. Emissions from the MAC and Saunco baghouses controlling this almond hulling and shelling operation shall not exceed 28.8 lb-PM10/day combined. [District Rule 2201]
15. PM10 emissions concentration from either the MAC or Saunco baghouse controlling this almond hulling and shelling operation shall not exceed 0.0015 grains/scf. [District Rule 2201]
16. Maximum airflow from the Saunco baghouse controlling this almond hulling and shelling operation shall not exceed 64,000 scfm. [District Rule 2201]
17. Maximum airflow from the MAC baghouse controlling this almond hulling and shelling operation shall not exceed 29,392 scfm. [District Rule 2201]
18. Permittee shall maintain records of operating schedule. [District Rule 2201]
19. Records of all maintenance of the baghouse, including all change outs of filter media, shall be maintained. [District Rule 2201]
20. All records shall be maintained and retained on-site for a minimum of five (5) years, and shall be made available for District inspection upon request. [District Rule 1070]



AUTHORITY TO CONSTRUCT

PERMIT NO: C-258-5-3

ISSUANCE DATE: 07/05/2007

LEGAL OWNER OR OPERATOR: CENTRAL CA ALMOND GROWERS ASSC

MAILING ADDRESS: 10910 E MCKINLEY AVE
SANGER, CA 93657

LOCATION: 8325 S MADERA AVE
KERMAN, CA 93630

EQUIPMENT DESCRIPTION:

MODIFICATION OF FOUR SHELL STORAGE SILOS CONTROLLED WITH A MAC MODEL 96AVS16 BAGHOUSE:
INCREASE ANNUAL DAYS OF OPERATION TO 146 DAYS PER CALENDAR YEAR AND ESTABLISH PM10
EMISSIONS FACTOR AT 0.0016 GR/DSCF

CONDITIONS

1. This Authority to Construct (ATC) cancels and supercedes ATC C-0258-5-2. [District Rule 2201]
2. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]
3. This almond processing operation shall not operate more than 146 days per calendar year. [District Rule 2201]
4. Visible emissions from the baghouse serving this almond pre-cleaning operation shall not equal or exceed 5% opacity for a period or periods aggregating more than three minutes in one hour. [District NSR Rule]
5. The baghouse shall be maintained and operated according to manufacturer's specifications. [District Rule 2201]
6. 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]
7. The baghouse cleaning frequency and duration shall be adjusted to optimize the control efficiency. [District NSR Rule]
8. Replacement bags numbering at least 10% of the total number of bags in the baghouse shall be maintained on the premises. [District Rule 2201]
9. The baghouse shall be equipped with a pressure differential gauge to indicate the pressure drop across the bags. The gauge shall be maintained in good working condition at all times and shall be located in an easily accessible location. [District NSR Rule]
10. The pressure drop across the bags shall be maintained below 6" of water column. [District Rule 2201]

CONDITIONS CONTINUE ON NEXT PAGE

YOU **MUST** NOTIFY THE DISTRICT COMPLIANCE DIVISION AT (559) 230-5950 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 / APCO



DAVID WARNER, Director of Permit Services

C-258-5-3 - Jul 9 2007 4:01PM - PAMPAID : Joint Inspection NOT Required

11. Material removed from the dust collector(s) shall be disposed of in a manner preventing entrainment into the atmosphere. [District NSR Rule]
12. Differential operating pressure shall be monitored and recorded on each day that the baghouse operates. [District Rule 2201]
13. During seasonal operation the baghouse shall be inspected monthly and any tears, holes, or rips in the bags shall be repaired or blinded upon detection. [District Rule 2201]
14. Emissions from the MAC baghouse controlling this almond storage silo operation shall not exceed 0.3 lb-PM10/day. [District Rule 2201]
15. PM10 emissions concentration from the MAC baghouse controlling this almond storage silo operation shall not exceed 0.0015 grains/scf. [District Rule 2201]
16. Maximum airflow from the MAC baghouse controlling this almond storage silo operation shall not exceed 836 scfm. [District Rule 2201]
17. Permittee shall maintain records of operating schedule. [District Rule 2201]
18. Records of all maintenance of the baghouse, including all change outs of filter media, shall be maintained. [District Rule 2201]
19. All records shall be maintained and retained on-site for a minimum of five (5) years, and shall be made available for District inspection upon request. [District Rule 1070]



San Joaquin Valley
AIR POLLUTION CONTROL DISTRICT

AUTHORITY TO CONSTRUCT

PERMIT NO: C-258-9-1

ISSUANCE DATE: 07/05/2007

LEGAL OWNER OR OPERATOR: CENTRAL CA ALMOND GROWERS ASSC

MAILING ADDRESS: 10910 E MCKINLEY AVE
SANGER, CA 93657

LOCATION: 8325 S MADERA AVE
KERMAN, CA 93630

EQUIPMENT DESCRIPTION:

478 HP ALMOND PRE-CLEANING OPERATION #3 CONSISTING OF: CONVEYORS, ELEVATORS, AUGERS, A DESTONER, AND A 72" X 60" DETWIGGER ALL CONTROLLED WITH A LMC MODEL 780LP12T BAGHOUSE AND A FAN EQUIPMENT MODEL 600BCS 90,000 CFM EXHAUST FAN

CONDITIONS

1. Authority to Construct (ATC) C-0285-9-0 shall be implemented concurrently, or prior to the modification and startup of the equipment authorized by this Authority to Construct. [District Rule 2201]
2. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]
3. This almond processing operation shall not operate more than 146 days per calendar year. [District Rule 2201]
4. Visible emissions from the baghouse serving this almond pre-cleaning operation shall not equal or exceed 5% opacity for a period or periods aggregating more than three minutes in one hour. [District NSR Rule]
5. The baghouse shall be maintained and operated according to manufacturer's specifications. [District Rule 2201]
6. 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]
7. The baghouse cleaning frequency and duration shall be adjusted to optimize the control efficiency. [District NSR Rule]
8. Replacement bags numbering at least 10% of the total number of bags in the baghouse shall be maintained on the premises. [District Rule 2201]
9. The baghouse shall be equipped with a pressure differential gauge to indicate the pressure drop across the bags. The gauge shall be maintained in good working condition at all times and shall be located in an easily accessible location. [District NSR Rule]

CONDITIONS CONTINUE ON NEXT PAGE

YOU MUST NOTIFY THE DISTRICT COMPLIANCE DIVISION AT (559) 230-5950 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 / APCO

DAVID WARNER, Director of Permit Services

C-258-9-1: Jul 9 2007 4:04PM -- FAX/PAID -- Joint Inspection NOT Required

10. The differential pressure gauge reading range shall be established per manufacturer's recommendation at time of start up inspection. [District Rule 2201]
11. Material removed from the dust collector(s) shall be disposed of in a manner preventing entrainment into the atmosphere. [District NSR Rule]
12. Differential operating pressure shall be monitored and recorded on each day that the baghouse operates. [District Rule 2201]
13. During seasonal operation the baghouse shall be inspected monthly and any tears, holes, or rips in the bags shall be repaired or blinded upon detection. [District Rule 2201]
14. Emissions from the LMC baghouse controlling this almond pre-cleaning operation shall not exceed 27.8 lb-PM10/day. [District Rule 2201]
15. PM10 emissions concentration from the LMC baghouse controlling this almond pre-cleaning operation shall not exceed 0.0015 grains/scf. [District Rule 2201]
16. Maximum airflow from the LMC baghouse controlling this almond pre-cleaning operation shall not exceed 90,000 scfm. [District Rule 2201]
17. Permittee shall maintain records of operating schedule. [District Rule 2201]
18. Records of all maintenance of the baghouse, including all change outs of filter media, shall be maintained. [District Rule 2201]
19. All records shall be maintained and retained on-site for a minimum of five (5) years, and shall be made available for District inspection upon request. [District Rule 1070]



San Joaquin Valley
AIR POLLUTION CONTROL DISTRICT

AUTHORITY TO CONSTRUCT

PERMIT NO: C-258-10-1

ISSUANCE DATE: 07/05/2007

LEGAL OWNER OR OPERATOR: CENTRAL CA ALMOND GROWERS ASSC

MAILING ADDRESS: 10910 E MCKINLEY AVE
SANGER, CA 93657

LOCATION: 8325 S MADERA AVE
KERMAN, CA 93630

EQUIPMENT DESCRIPTION:

1,599.45 HP ALMOND HULLER AND SHELLER OPERATION #3 CONSISTING OF: SCREENS, CRACKERS, SHEAR ROLLERS, CONVEYORS, AUGERS, AND ELEVATORS ALL CONTROLLED WITH A LMC MODEL 882LP12T BAGHOUSE AND A FAN EQUIPMENT MODEL 660BCS 130,000 CFM EXHAUST FAN

CONDITIONS

1. Authority to Construct (ATC) C-0285-10-0 shall be implemented concurrently, or prior to the modification and startup of the equipment authorized by this Authority to Construct. [District Rule 2201]
2. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]
3. This almond processing operation shall not operate more than 146 days per calendar year. [District Rule 2201]
4. Visible emissions from the baghouse serving this almond pre-cleaning operation shall not equal or exceed 5% opacity for a period or periods aggregating more than three minutes in one hour. [District NSR Rule]
5. The baghouse shall be maintained and operated according to manufacturer's specifications. [District Rule 2201]
6. 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]
7. The baghouse cleaning frequency and duration shall be adjusted to optimize the control efficiency. [District NSR Rule]
8. Replacement bags numbering at least 10% of the total number of bags in the baghouse shall be maintained on the premises. [District Rule 2201]
9. The baghouse shall be equipped with a pressure differential gauge to indicate the pressure drop across the bags. The gauge shall be maintained in good working condition at all times and shall be located in an easily accessible location. [District NSR Rule]

CONDITIONS CONTINUE ON NEXT PAGE

YOU MUST NOTIFY THE DISTRICT COMPLIANCE DIVISION AT (559) 230-5950 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 / APCO

DAVID WARNER, Director of Permit Services

C-258-10-1 - Jul 9 2007 4:04PM - PAN/PAJAD - Joint Inspection NOT Required

10. The differential pressure gauge reading range shall be established per manufacturer's recommendation at time of start up inspection. [District Rule 2201]
11. Material removed from the dust collector(s) shall be disposed of in a manner preventing entrainment into the atmosphere. [District NSR Rule]
12. Differential operating pressure shall be monitored and recorded on each day that the baghouse operates. [District Rule 2201]
13. During seasonal operation the baghouse shall be inspected monthly and any tears, holes, or rips in the bags shall be repaired or blinded upon detection. [District Rule 2201]
14. Emissions from the LMC baghouse controlling this almond hulling and shelling operation shall not exceed 40.1 lb-PM10/day. [District Rule 2201]
15. PM10 emissions concentration from the LMC baghouse controlling this almond hulling and shelling operation shall not exceed 0.0015 grains/scf. [District Rule 2201]
16. Maximum airflow from the LMC baghouse controlling this almond hulling and shelling operation shall not exceed 130,000 scfm. [District Rule 2201]
17. Permittee shall maintain records of operating schedule. [District Rule 2201]
18. Records of all maintenance of the baghouse, including all change outs of filter media, shall be maintained. [District Rule 2201]
19. All records shall be maintained and retained on-site for a minimum of five (5) years, and shall be made available for District inspection upon request. [District Rule 1070]



San Joaquin Valley AIR POLLUTION CONTROL DISTRICT

AUTHORITY TO CONSTRUCT

PERMIT NO: C-258-11-1

ISSUANCE DATE: 07/05/2007

LEGAL OWNER OR OPERATOR: CENTRAL CA ALMOND GROWERS ASSC
MAILING ADDRESS: 10910 E MCKINLEY AVE
SANGER, CA 93657

LOCATION: 8325 S MADERA AVE
KERMAN, CA 93630

EQUIPMENT DESCRIPTION:

1,599.45 HP ALMOND HULLER AND SHELLER OPERATION #4 CONSISTING OF: SCREENS, CRACKERS, SHEAR ROLLERS, CONVEYORS, AUGERS, AND ELEVATORS ALL CONTROLLED WITH A LMC MODEL 882LP12T BAGHOUSE AND A FAN EQUIPMENT MODEL 660BCS 130,000 CFM EXHAUST FAN

CONDITIONS

1. Authority to Construct (ATC) C-0285-11-0 shall be implemented concurrently, or prior to the modification and startup of the equipment authorized by this Authority to Construct. [District Rule 2201]
2. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]
3. This almond processing operation shall not operate more than 146 days per calendar year. [District Rule 2201]
4. Visible emissions from the baghouse serving this almond pre-cleaning operation shall not equal or exceed 5% opacity for a period or periods aggregating more than three minutes in one hour. [District NSR Rule]
5. The baghouse shall be maintained and operated according to manufacturer's specifications. [District Rule 2201]
6. 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]
7. The baghouse cleaning frequency and duration shall be adjusted to optimize the control efficiency. [District NSR Rule]
8. Replacement bags numbering at least 10% of the total number of bags in the baghouse shall be maintained on the premises. [District Rule 2201]
9. The baghouse shall be equipped with a pressure differential gauge to indicate the pressure drop across the bags. The gauge shall be maintained in good working condition at all times and shall be located in an easily accessible location. [District NSR Rule]

CONDITIONS CONTINUE ON NEXT PAGE

YOU MUST NOTIFY THE DISTRICT COMPLIANCE DIVISION AT (559) 230-5950 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 / APCO

DAVID WARNER, Director of Permit Services

C-258-11-1 - JUL 9 2007 4:04PM - PAMPAIAD - Joint Inspection NOT Required

10. The differential pressure gauge reading range shall be established per manufacturer's recommendation at time of start up inspection. [District Rule 2201]
11. Material removed from the dust collector(s) shall be disposed of in a manner preventing entrainment into the atmosphere. [District NSR Rule]
12. Differential operating pressure shall be monitored and recorded on each day that the baghouse operates. [District Rule 2201]
13. During seasonal operation the baghouse shall be inspected monthly and any tears, holes, or rips in the bags shall be repaired or blinded upon detection. [District Rule 2201]
14. Emissions from the LMC baghouse controlling this almond hulling and shelling operation shall not exceed 40.1 lb-PM10/day. [District Rule 2201]
15. PM10 emissions concentration from the LMC baghouse controlling this almond hulling and shelling operation shall not exceed 0.0015 grains/scf. [District Rule 2201]
16. Maximum airflow from the LMC baghouse controlling this almond hulling and shelling operation shall not exceed 130,000 scfm. [District Rule 2201]
17. Permittee shall maintain records of operating schedule. [District Rule 2201]
18. Records of all maintenance of the baghouse, including all change outs of filter media, shall be maintained. [District Rule 2201]
19. All records shall be maintained and retained on-site for a minimum of five (5) years, and shall be made available for District inspection upon request. [District Rule 1070]

Appendix C: Current PTOs

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: C-258-1-0

EXPIRATION DATE: 10/31/2012

EQUIPMENT DESCRIPTION:

223 HP ALMOND PRECLEANING OPERATION #1 CONSISTING OF ONE RECEIVING PIT, ONE STICKREEL, ONE DESTONER, THREE DIRT CONVEYORS, AND TWO SAND SCREENS, SERVED BY A SAUNCO BAGHOUSE MODEL #2-32, AND TWO CYCLONES SERVING THE DESTONER

PERMIT UNIT REQUIREMENTS

1. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]
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. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201]
4. The baghouse shall be equipped with a pressure differential gauge to indicate the pressure drop across the bags. The gauge shall be maintained in good working condition at all times and shall be located in an easily accessible location. [District NSR Rule]
5. Material removed from dust collector(s) shall be disposed of in a manner preventing entrainment into the atmosphere. [District NSR Rule]
6. The pressure drop across the bags shall be less than 6" of water column during operation. [District NSR Rule]

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

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: C-258-2-1

EXPIRATION DATE: 10/31/2012

EQUIPMENT DESCRIPTION:

248 HP ALMOND PRECLEANING OPERATION #2 CONSISTING OF CONVEYORS, ELEVATORS, DESTONER, DETWIGGERS, TEXAS SHAKERS, STICKREEL, AUGERS, PUMP, AND AIR COMPRESSOR, SERVED BY ONE MAC MODEL #144MCF572 BAGHOUSE

PERMIT UNIT REQUIREMENTS

1. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]
2. Visible emissions shall not exceed 5% opacity. [District Rule 2201]
3. The baghouse shall be equipped with a pressure differential gauge to indicate the pressure drop across the bags. The gauge shall be maintained in good working condition at all times and shall be located in an easily accessible location. [District NSR Rule]
4. The pressure drop across the bags shall be maintained between 1" and 4" of water column. [District Rule 2201]
5. Filter media shall be polyester bags, 6" diameter by 12' long. [District Rule 2201]
6. The baghouse shall be inspected monthly and any tears, holes or rips in the bags shall be repaired or blinded upon detection. [District Rule 2201]
7. All shell and baghouse fines shall be conveyed by belt conveyor to an enclosed dirt hopper. [District Rule 2201]
8. Precleaner may operate only between the months of August and January. [District Rule 2201]
9. Operation shall not exceed 16 hours per day. [District Rule 2201]
10. Almond processing rate shall not exceed 100 tons per hour of received (green) almonds. [District Rule 2201]
11. PM10 emissions shall not exceed either of the following limits: 3.26 pounds per hour or 52.2 pounds per day. [District Rule 2201]
12. PM10 concentrations shall not exceed 0.0040 grains/scf. [District Rule 2201 and District Rule 4201]
13. Permittee shall maintain records of processing rates and operating schedule. Records shall be retained for at least five years and shall be made available for District inspection upon request. [District Rule 1070]
14. Permittee shall maintain record of all baghouse maintenance including date of maintenance, maintenance person, and condition of the bags. Records shall be retained for at least five years and shall be made available for District inspection upon request. [District Rule 1070]

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

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: C-258-3-1

EXPIRATION DATE: 10/31/2012

EQUIPMENT DESCRIPTION:

636 HP ALMOND SHELLING OPERATION #2 CONSISTING OF AUGERS, CONVEYORS, ELEVATORS, TURRENT DRIVES, DESTONERS, ROLLERS, CRACKERS, AND AUGERS SERVED BY TWO MAC MODEL #144MCF572 BAGHOUSES

PERMIT UNIT REQUIREMENTS

1. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]
2. Visible emissions shall not exceed 5% opacity. [District Rule 2201]
3. The baghouse shall be equipped with a pressure differential gauge to indicate the pressure drop across the bags. The gauge shall be maintained in good working condition at all times and shall be located in an easily accessible location. [District NSR Rule]
4. The pressure drop across the bags shall be maintained between 1" and 4" of water column. [District Rule 2201]
5. Filter media shall be polyester bags, 6" diameter by 12' long. [District Rule 2201]
6. Baghouses shall be inspected monthly and any tears, holes or rips in the bags shall be repaired or blinded upon detection. [District Rule 2201]
7. The entire baghouse shall be inspected prior to each season and every tube sheet shall have a filter in place (no blinded holes, tears, or rips). [District Rule 2201]
8. All shell and baghouse fines shall be conveyed by belt conveyor to storage silo (C-258-5). [District Rule 2201]
9. Shelling operation may operate only between the months of August and January. [District Rule 2201]
10. Almond processing rate shall not exceed 15,000 pounds per hour of finished clean almond meats. [District Rule 2201]
11. PM10 emissions shall not exceed either of the following limits: 0.72 pounds per hour or 17.3 pounds per day. [District Rule 2201]
12. PM10 concentrations shall not exceed 0.0032 grains/scf. [District Rule 2201 and District Rule 4201]
13. Permittee shall maintain records of processing rates and operating schedule. Records shall be retained for at least five years and shall be made available for District inspection upon request. [District Rule 1070]
14. Permittee shall maintain record of all baghouse maintenance including date of maintenance, maintenance person, and condition of the bags. Records shall be retained for at least two years and shall be made available for District inspection upon request. [District Rule 1070]

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

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: C-258-4-1

EXPIRATION DATE: 10/31/2012

EQUIPMENT DESCRIPTION:

642 HP ALMOND HULLER AND SHELLER #1 CONSISTING OF SCREENS, CRACKERS, SHEAR ROLLS, CONVEYORS, AUGERS, AND ELEVATORS SERVED BY MAC MODEL #144MCF255 AND SAUNCO #5-3200 BAGHOUSES

PERMIT UNIT REQUIREMENTS

1. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]
2. Visible emissions shall not exceed 5% opacity. [District Rule 2201]
3. The baghouse shall be equipped with a pressure differential gauge to indicate the pressure drop across the bags. The gauge shall be maintained in good working condition at all times and shall be located in an easily accessible location. [District NSR Rule]
4. The pressure drop across the bags shall be maintained between 3" and 6" of water column. [District Rule 2201]
5. Filter media shall be polyester bags, 6" diameter by 12' long. [District Rule 2201]
6. Baghouses shall be inspected monthly and any tears, holes or rips in the bags shall be repaired or blinded upon detection. [District Rule 2201]
7. The entire baghouse shall be inspected prior to each season and every tube sheet shall have a filter in place (no blinded holes, tears, or rips). [District Rule 2201]
8. All shell and baghouse fines shall be pneumatically conveyed to storage silo (C-258-5). [District Rule 2201]
9. Sheller may operate only between the months of August and January. [District Rule 2201]
10. Almond processing rate shall not exceed 24,000 pounds per hour of finished clean almond meats. [District Rule 2201]
11. PM10 emissions shall not exceed either of the following limits: 0.98 pounds per hour or 23.6 pounds per day. [District Rule 2201]
12. PM10 concentrations shall not exceed 0.004 grains/scf. [District Rule 2201 and District Rule 4201]
13. Permittee shall maintain records of processing rates and operating schedule. Records shall be retained for at least five years and shall be made available for District inspection upon request. [District Rule 1070]
14. Permittee shall maintain record of all baghouse maintenance including date of maintenance, maintenance person, and condition of the bags. Records shall be retained for at least two years and shall be made available for District inspection upon request. [District Rule 1070]

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

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: C-258-5-1

EXPIRATION DATE: 10/31/2012

EQUIPMENT DESCRIPTION:

FOUR SHELL STORAGE SILOS SERVED BY A MAC MODEL #96AVS16 FABRIC COLLECTOR BAGHOUSE

PERMIT UNIT REQUIREMENTS

1. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]
2. Visible emissions shall not exceed 5% opacity. [District Rule 2201]
3. Equipment and conveyors shall be maintained and operated such that there are no fugitive leaks. [District Rule 2201]
4. The baghouse shall be equipped with a pressure differential gauge to indicate the pressure drop across the bags. The gauge shall be maintained in good working condition at all times and shall be located in an easily accessible location. [District NSR Rule]
5. The pressure drop across the bags shall be maintained between 1/2" and 2" of water column. [District Rule 2201]
6. Filter media shall be polyester bags, 6" diameter by 12' long. [District Rule 2201]
7. Baghouse shall be inspected monthly and any tears, holes or rips in the bags shall be repaired or blinded upon detection. [District Rule 2201]
8. The entire baghouse shall be inspected prior to each season and every tube sheet shall have a filter in place (no blinded holes, tears, or rips). [District Rule 2201]
9. Silos may operate only between the months of August and January. [District Rule 2201]
10. Baghouse shall operate at 1,672 cfm with 16 bags. [District Rule 2201]
11. PM10 emissions shall not exceed any of the following limits: 0.056 pounds per hour or 1.3 pounds per day. [District Rule 2201]
12. PM10 concentrations shall not exceed 0.0032 grains/scf. [District Rule 2201 and District Rule 4201]
13. Permittee shall maintain records of processing rates and operating schedule. Records shall be retained for at least five years and shall be made available for District inspection upon request. [District Rule 1070]
14. Permittee shall maintain record of all baghouse maintenance including date of maintenance, maintenance person, and condition of the bags. Records shall be retained for at least two years and shall be made available for District inspection upon request. [District Rule 1070]

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

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: C-258-6-1

EXPIRATION DATE: 10/31/2012

EQUIPMENT DESCRIPTION:

ALMOND STACK FUMIGATION OPERATION USING PHOSTOXIN FUMIGANTS

PERMIT UNIT REQUIREMENTS

1. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]
2. Phosphine emissions shall not exceed 26.6 lb/day (equivalent to 82.5 lb-Phostoxin/day usage). [District Rule 4102]
3. Phosphine emissions shall not exceed 969 lb/year (equivalent to 3,000 lb-Phostoxin/year usage). [District Rule 4102]
4. Fumigation shall be conducted only when stacks are covered with an impermeable tarp and completely sealed at the base. [District Rule 4102]
5. Detailed daily records of the amount of Phostoxin used shall be maintained, retained for a period of at least two years, and made available for District inspection upon request. [District Rule 1070]

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

Appendix D: HRA Summary

San Joaquin Valley Air Pollution Control District Risk Management Review

To: Renald Harris – Permit Services
 From: Cheryl Lawler – Technical Services
 Date: September 16, 2009
 Facility Name: Central California Almond Growers Association
 Location: 8325 S. Madera Avenue, Kerman
 Application #(s): C-258-1-3, 2-4, 3-4, 4-4, 5-4, 9-2, 10-2, 11-2
 Project #: C-1093229

A. RMR SUMMARY

RMR Summary				
Categories	Almond Hulling, Shelling, & Storage Silos (Units 4-4 & 5-4)	Almond Precogning, Hulling, & Shelling (Units 1-3, 2-4, 3-4, 9-2, 10-2 & 11-2)	Project Totals	Facility Totals
Prioritization Score	0.00*	1.09	1.09	>1
Acute Hazard Index	N/A	0.04	0.04	0.07
Chronic Hazard Index	N/A	0.05	0.05	0.38
Maximum Individual Cancer Risk	N/A	6.96E-07	6.96E-07	8.50E-06
T-BACT Required?	No	No		
Special Permit Conditions?	No	No		

*The prioritization scores for these units were determined to be insignificant (less than 0.05); therefore, the effective prioritization scores for the units are considered to be 0.00.

I. Project Description

Technical Services received a request on September 4, 2009, to perform a Risk Management Review for the modification of an almond precleaning, hulling and shelling operation proposing to increase their operation.

II. Analysis

Toxic emissions from the project were calculated using PM10 emission rates calculated and supplied by the processing engineer, along with District approved emission factors for precleaning, hulling and shelling operations. In accordance with the District's Risk Management Policy for Permitting New and Modified Sources (APR 1905-1, March 2, 2001), risks from the proposed project were prioritized using the procedures in the 1990 CAPCOA Facility Prioritization Guidelines and incorporated in the District's HEART's database.

The prioritization scores for Unit 4-4 and Unit 5-4 were less than 1.0 (see RMR Summary Table). Therefore, no further analysis was necessary for these two units.

The prioritization scores for Units 1-3, 2-4, 3-4, 9-2, 10-2, & 11-2 were also less than 1.0. However, when added to previous prioritization scores, the total was greater than 1.0 (see RMR Summary Table). Therefore, refined health risk assessments were required and performed. AERMOD was used, with point source parameters outlined below, and concatenated 5-year meteorological data from Fresno to determine maximum dispersion factors at the nearest residential and business receptors. The dispersion factors were input into the HARP model to calculate the chronic and acute hazard indices and the carcinogenic risks for the units.

The following parameters were used for the review:

Analysis Parameters			
Source Type	Point	Closest Receptor Distance (m)	396.24
Stack Heights (m)	6.1, 3.0	Receptor Type	Residence & Business
Stack Diameters (m)	0.84, 1.0, 2.1, 1.8	Project Location	Rural
Stack Gas Temperatures (K)	297	Stack Exit Velocities (m/s)	17.9, 34.3, 8.6, 16.2, 23.4

III. Conclusion

Units 4-4 & 5-4

The prioritization scores for these units were not above 1.0. In accordance with the District's Risk Management Policy, the units are approved **without** Toxic Best Available Control Technology (T-BACT).

Units 1-3, 2-4, 3-4, 9-2, 10-2, 11-2

The acute and chronic indices are below 1.0; and the total maximum individual cancer risk associated with the units is **6.96E-07**, which is less than the 1 in a million threshold. In accordance with the District's Risk Management Policy, the units are approved **without** Toxic Best Available Control Technology (T-BACT).

These conclusions are based on the data provided by the applicant and the project engineer. Therefore, this analysis is valid only as long as the proposed data and parameters do not change.

San Joaquin Valley Air Pollution Control District Risk Management Review

To: Renald Harris – Permit Services
 From: Cheryl Lawler – Technical Services
 Date: October 2, 2009
 Facility Name: Central California Almond Growers Association
 Location: 8325 S. Madera Avenue, Kerman
 Application #(s): C-258-1-3, 2-4, 3-4, 4-4, 5-4, 9-2, 10-2, & 11-2
 Project #: C-1093229

B. RMR SUMMARY

RMR Summary			
Categories	Annual Increase in Almond Processing (Units 1-3 thru 5-4 & 9-2 thru 11-2)	Project Totals	Facility Totals
Prioritization Score	N/A ¹	N/A ¹	>1
Acute Hazard Index	N/A ¹	N/A ¹	0.07
Chronic Hazard Index	N/A ¹	N/A ¹	0.38
Maximum Individual Cancer Risk	N/A ¹	N/A ¹	8.50E-06
T-BACT Required?	No		
Special Permit Conditions?	No		

¹Per the processing engineer, no RMR was required for this project, because the RMR was performed previously on September 16, 2009, and is still valid. Therefore, an AAQA was all that was required and performed on this date.

B. RMR REPORT

II. Project Description

Technical Services received a request on September 29, 2009, to perform an Ambient Air Quality Analysis **only** for PM10 annual increases at an almond processing facility.

III. Analysis

Technical Services performed modeling for the criteria pollutant PM10. The total increased emission rate used for criteria pollutant modeling was 466 lb/hr PM10 for all eight units combined.

The following parameters were used for the analysis.

Almond Processing			
Source Types	Point	Receptor Distance (m)	396
Stack Diameters (m)	1.5, 1.9, 2.1, 2.1, 0.2, 1.8, 1.8, 1.8	Receptor Type	Residence & Business
Stack Heights (m)	6.1, 3.0, 3.0, 2.4, 18.3, 3.0, 3.0, 3.0	Project Location	Rural
Stack Gas Velocities (m/sec)	17.9, 34.3, 8.6, 4.1, 21.6, 16.2, 23.4, 23.4	Stack Gas Temps. (K)	297 (all units)

The results from the Criteria Pollutant Modeling are as follows:

Criteria Pollutant Modeling Results*

Values are in $\mu\text{g}/\text{m}^3$

Almond Processing	1 Hour	3 Hours	8 Hours	24 Hours	Annual
PM10	X	X	X	X	PASS

*Results were taken from the attached PSD spreadsheet.

IV. Conclusion

The criteria modeling runs indicate the emissions from the proposed equipment will not cause or significantly contribute to a violation of a State or National AAQS.

These conclusions are based on the data provided by the applicant and the project engineer. Therefore, this analysis is valid only as long as the proposed data and parameters do not change.

AAQA for Central California Almond Growers Association (C-258)

All Values are in ug/m³

	NOx 1 Hour	NOx Annual	CO 1 Hour	CO 8 Hour	SOx 1 Hour	SOx 3 Hour	SOx 24 Hour	SOx Annual	PM 24 Hour	PM Annual
STCK1	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	7.264E-04
STCK2	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	2.650E-03
STCK3	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.118E-02
STCK4	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.677E-02
STCK5	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	4.165E-05
STCK9	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	5.876E-03
STCK10	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	6.797E-03
STCK11	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	6.797E-03
Background	1.071E+02	2.678E+01	3.612E+03	2.680E+03	3.464E+02	1.998E+02	8.260E+01	1.865E+01	7.800E+01	4.000E+01
Facility Totals	1.071E+02	2.678E+01	3.612E+03	2.680E+03	3.464E+02	1.998E+02	8.260E+01	1.865E+01	7.800E+01	4.005E+01
AAQS	338	56	23000	10000	655	1300	105	80	50	30

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EPA's Significance Level (ug/m³)

	NOx 1 Hour	NOx Annual	CO 1 Hour	CO 8 Hour	SOx 1 Hour	SOx 3 Hour	SOx 24 Hour	SOx Annual	PM 24 Hour	PM Annual
0.0	0.0	1.0	2000.0	500.0	0.0	25.0	5.0	1.0	5.0	1.0

Pass EPA's Significance Level



Appendix E: Draft ATCs

San Joaquin Valley
Air Pollution Control District

AUTHORITY TO CONSTRUCT

ISSUANCE DATE: DRAFT

PERMIT NO: C-258-1-3

LEGAL OWNER OR OPERATOR: CENTRAL CA ALMOND GROWERS ASSC

MAILING ADDRESS: P O BOX 338
KERMAN, CA 93630

LOCATION: 8325 S MADERA AVE
KERMAN, CA 93630

EQUIPMENT DESCRIPTION:

MODIFICATION OF 223 HP ALMOND PRECLEANING OPERATION #1 CONSISTING OF ONE RECEIVING PIT, ONE STICKREEL, ONE DESTONER, THREE DIRT CONVEYORS, AND TWO SAND SCREENS, SERVED BY A SAUNCO BAGHOUSE MODEL #2-32, AND TWO CYCLONES SERVING THE DESTONER: REVISE EMISSION FACTORS TO REFLECT 2006 SOURCE TEST RESULTS, AND INCREASE DAYS PER YEAR OF OPERATION FROM 146 DAYS PER YEAR TO 149.32 DAYS PER YEAR

CONDITIONS

1. Upon implementation of the modification and startup of the equipment authorized by these Authorities to Construct (ATCs), ATCs C-258-1-2, C-258-2-3, C-258-3-3, C-258-4-3, C-258-5-3, C-258-9-1, C-258-10-1 and C-258-11-1 shall be cancelled. [District Rule 2201]
2. Prior to operating equipment under Authorities to Construct C-258-1-3, '-2-4, '-3-4, '-4-4, '-5-4, '-9-2, '-10-2, and '-11-2 permittee shall surrender PM10 emission reduction credits for the following quantity of emissions: 1st quarter - 0 lb, 2nd quarter - 0 lb, 3rd quarter - 176 lb, and fourth quarter - 176 lb. Offsets shall be provided at the applicable offset ratio specified in Table 4-2 of Rule 2201 (as amended 9/21/06). [District Rule 2201]
3. ERC Certificate Number C-1004-4 (or a certificate split from this certificate) shall be used to supply the required offsets, unless a revised offsetting proposal is received and approved by the District, upon which this Authority to Construct shall be reissued, administratively specifying the new offsetting proposal. Original public noticing requirements, if any, shall be duplicated prior to reissuance of this Authority to Construct. [District Rule 2201]
4. {98} No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]
5. This almond processing operation shall not operate more than 149.32 days per calendar year. [District Rule 2201]

CONDITIONS CONTINUE ON NEXT PAGE

YOU MUST NOTIFY THE DISTRICT COMPLIANCE DIVISION AT (559) 230-5950 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 APCO

DAVID WARNER, Director of Permit Services

C-258-1-3 - Nov 13 2009 8:12AM - HARRISR - Joint Inspection NOT Required

6. Visible emissions from the baghouse serving this almond pre-cleaning operation shall not equal or exceed 5% opacity for a period or periods aggregating more than three minutes in one hour. [District NSR Rule]
7. The baghouse shall be maintained and operated according to manufacturer's specifications. [District Rule 2201]
8. 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]
9. {120} The baghouse cleaning frequency and duration shall be adjusted to optimize the control efficiency. [District NSR Rule]
10. Replacement bags numbering at least 10% of the total number of bags in the baghouse shall be maintained on the premises. [District Rule 2201]
11. {10} The baghouse shall be equipped with a pressure differential gauge to indicate the pressure drop across the bags. The gauge shall be maintained in good working condition at all times and shall be located in an easily accessible location. [District NSR Rule]
12. The pressure drop across the bags shall be maintained below 6 inches of water column. [District Rule 2201]
13. {73} Material removed from the dust collector(s) shall be disposed of in a manner preventing entrainment into the atmosphere. [District NSR Rule]
14. Differential operating pressure shall be monitored and recorded on each day that the baghouse operates. [District Rule 2201]
15. During seasonal operation the baghouse shall be inspected monthly and any tears, holes, or rips in the bags shall be repaired or blinded upon detection. [District Rule 2201]
16. Emissions from the Saunco baghouse and the two cyclones controlling this almond pre-cleaning operation shall not exceed 4.1 lb-PM10/day. [District Rule 2201]
17. PM10 emissions concentration from the Saunco baghouse controlling this almond pre-cleaning operation shall not exceed 0.001 grains/scf. [District Rule 2201]
18. Maximum airflow from the Saunco baghouse controlling this almond pre-cleaning operation shall not exceed 20,120 scfm. [District Rule 2201]
19. Permittee shall maintain records of days of operation. [District Rule 2201]
20. Records of all maintenance of the baghouse, including all change outs of filter media, shall be maintained. [District Rule 2201]
21. All records shall be maintained and retained on-site for a minimum of five (5) years, and shall be made available for District inspection upon request. [District Rule 1070]

DRAFT

San Joaquin Valley
Air Pollution Control District

AUTHORITY TO CONSTRUCT

ISSUANCE DATE: DRAFT

PERMIT NO: C-258-2-4

LEGAL OWNER OR OPERATOR: CENTRAL CA ALMOND GROWERS ASSC
MAILING ADDRESS: P O BOX 338
KERMAN, CA 93630

LOCATION: 8325 S MADERA AVE
KERMAN, CA 93630

EQUIPMENT DESCRIPTION:

MODIFICATION OF 248 HP ALMOND PRECLEANING OPERATION #2 CONSISTING OF CONVEYORS, ELEVATORS, DESTONER, DETWIGGERS, TEXAS SHAKERS, STICKREEL, AUGERS, PUMP, AND AIR COMPRESSOR, SERVED BY ONE MAC MODEL #144MCF572 BAGHOUSE: REVISE EMISSION FACTORS TO REFLECT 2005 SOURCE TEST RESULTS, AND INCREASE DAYS PER YEAR OF OPERATION FROM 146 DAYS PER YEAR TO 149.32 DAYS PER YEAR

CONDITIONS

1. Upon implementation of the modification and startup of the equipment authorized by these Authorities to Construct (ATCs), ATCs C-258-1-2, C-258-2-3, C-258-3-3, C-258-4-3, C-258-5-3, C-258-9-1, C-258-10-1 and C-258-11-1 shall be cancelled. [District Rule 2201]
2. Prior to operating equipment under Authorities to Construct C-258-1-3, '-2-4, '-3-4, '-4-4, '-5-4, '-9-2, '-10-2, and '-11-2 permittee shall surrender PM10 emission reduction credits for the following quantity of emissions: 1st quarter - 0 lb, 2nd quarter - 0 lb, 3rd quarter - 176 lb, and fourth quarter - 176 lb. Offsets shall be provided at the applicable offset ratio specified in Table 4-2 of Rule 2201 (as amended 9/21/06). [District Rule 2201]
3. ERC Certificate Number C-1004-4 (or a certificate split from this certificate) shall be used to supply the required offsets, unless a revised offsetting proposal is received and approved by the District, upon which this Authority to Construct shall be reissued, administratively specifying the new offsetting proposal. Original public noticing requirements, if any, shall be duplicated prior to reissuance of this Authority to Construct. [District Rule 2201]
4. {98} No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]
5. This almond processing operation shall not operate more than 149.32 days per calendar year. [District Rule 2201]

CONDITIONS CONTINUE ON NEXT PAGE

YOU MUST NOTIFY THE DISTRICT COMPLIANCE DIVISION AT (559) 230-5950 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, APCO

DAVID WARNER, Director of Permit Services
C-258-2-4 : Nov 13 2009 8:12AM - HARRISR : Joint Inspection NOT Required

6. Visible emissions from the baghouse serving this almond pre-cleaning operation shall not equal or exceed 5% opacity for a period or periods aggregating more than three minutes in one hour. [District NSR Rule]
7. The baghouse shall be maintained and operated according to manufacturer's specifications. [District Rule 2201]
8. 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]
9. {120} The baghouse cleaning frequency and duration shall be adjusted to optimize the control efficiency. [District NSR Rule]
10. Replacement bags numbering at least 10% of the total number of bags in the baghouse shall be maintained on the premises. [District Rule 2201]
11. {10} The baghouse shall be equipped with a pressure differential gauge to indicate the pressure drop across the bags. The gauge shall be maintained in good working condition at all times and shall be located in an easily accessible location. [District NSR Rule]
12. The pressure drop across the bags shall be maintained between 1 inch and 4 inches of water column. [District Rule 2201]
13. {73} Material removed from the dust collector(s) shall be disposed of in a manner preventing entrainment into the atmosphere. [District NSR Rule]
14. Differential operating pressure shall be monitored and recorded on each day that the baghouse operates. [District Rule 2201]
15. During seasonal operation the baghouse shall be inspected monthly and any tears, holes, or rips in the bags shall be repaired or blinded upon detection. [District Rule 2201]
16. Emissions from the MAC baghouse controlling this almond pre-cleaning operation shall not exceed 49.1 lb-PM10/day. [District Rule 2201]
17. PM10 emissions concentration from the MAC baghouse controlling this almond pre-cleaning operation shall not exceed 0.0038 grains/scf. [District Rule 2201]
18. Maximum airflow from the MAC baghouse controlling this almond pre-cleaning operation shall not exceed 60,850 scfm. [District Rule 2201]
19. Permittee shall maintain records of days of operation. [District Rule 2201]
20. Records of all maintenance of the baghouse, including all change outs of filter media, shall be maintained. [District Rule 2201]
21. All records shall be maintained and retained on-site for a minimum of five (5) years, and shall be made available for District inspection upon request. [District Rule 1070]

DRAFT

San Joaquin Valley
Air Pollution Control District

AUTHORITY TO CONSTRUCT

ISSUANCE DATE: DRAFT
DRAFT

PERMIT NO: C-258-3-4

LEGAL OWNER OR OPERATOR: CENTRAL CA ALMOND GROWERS ASSC

MAILING ADDRESS: P O BOX 338
KERMAN, CA 93630

LOCATION: 8325 S MADERA AVE
KERMAN, CA 93630

EQUIPMENT DESCRIPTION:

MODIFICATION OF 636 HP ALMOND SHELLING OPERATION #2 CONSISTING OF AUGERS, CONVEYORS, ELEVATORS, TURRENT DRIVES, DESTONERS, ROLLERS, CRACKERS, AND AUGERS SERVED BY TWO MAC MODEL #144MCF572 BAGHOUSES: REVISE EMISSION FACTORS TO REFLECT 2006 SOURCE TEST RESULTS, AND INCREASE DAYS PER YEAR OF OPERATION FROM 146 DAYS PER YEAR TO 149.32 DAYS PER YEAR

CONDITIONS

1. Upon implementation of the modification and startup of the equipment authorized by these Authorities to Construct (ATCs), ATCs C-258-1-2, C-258-2-3, C-258-3-3, C-258-4-3, C-258-5-3, C-258-9-1, C-258-10-1 and C-258-11-1 shall be cancelled. [District Rule 2201]
2. Prior to operating equipment under Authorities to Construct C-258-1-3, '-2-4, '-3-4, '-4-4, '-5-4, '-9-2, '-10-2, and '-11-2 permittee shall surrender PM10 emission reduction credits for the following quantity of emissions: 1st quarter - 0 lb, 2nd quarter - 0 lb, 3rd quarter - 176 lb, and fourth quarter - 176 lb. Offsets shall be provided at the applicable offset ratio specified in Table 4-2 of Rule 2201 (as amended 9/21/06). [District Rule 2201]
3. ERC Certificate Number C-1004-4 (or a certificate split from this certificate) shall be used to supply the required offsets, unless a revised offsetting proposal is received and approved by the District, upon which this Authority to Construct shall be reissued, administratively specifying the new offsetting proposal. Original public noticing requirements, if any, shall be duplicated prior to reissuance of this Authority to Construct. [District Rule 2201]
4. {98} No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]
5. This almond processing operation shall not operate more than 149.32 days per calendar year. [District Rule 2201]
6. Visible emissions from the baghouse serving this almond pre-cleaning operation shall not equal or exceed 5% opacity for a period or periods aggregating more than three minutes in one hour. [District NSR Rule]

CONDITIONS CONTINUE ON NEXT PAGE

YOU MUST NOTIFY THE DISTRICT COMPLIANCE DIVISION AT (559) 230-5950 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 APCO

DAVID WARNER, Director of Permit Services

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7. The baghouse shall be maintained and operated according to manufacturer's specifications. [District Rule 2201]
8. 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]
9. {120} The baghouse cleaning frequency and duration shall be adjusted to optimize the control efficiency. [District NSR Rule]
10. Replacement bags numbering at least 10% of the total number of bags in the baghouse shall be maintained on the premises. [District Rule 2201]
11. {10} The baghouse shall be equipped with a pressure differential gauge to indicate the pressure drop across the bags. The gauge shall be maintained in good working condition at all times and shall be located in an easily accessible location. [District NSR Rule]
12. The pressure drop across the bags shall be maintained below 6 inches of water column. [District Rule 2201]
13. {73} Material removed from the dust collector(s) shall be disposed of in a manner preventing entrainment into the atmosphere. [District NSR Rule]
14. Differential operating pressure shall be monitored and recorded on each day that the baghouse operates. [District Rule 2201]
15. During seasonal operation the baghouse shall be inspected monthly and any tears, holes, or rips in the bags shall be repaired or blinded upon detection. [District Rule 2201]
16. Emissions from the MAC baghouses controlling this almond shelling operation shall not exceed 32.6 lb-PM10/day combined. [District Rule 2201]
17. PM10 emissions concentration from either MAC baghouse controlling this almond shelling operation shall not exceed 0.0013 grains/scf. [District Rule 2201]
18. Maximum airflow from either MAC baghouse controlling this almond shelling operation shall not exceed 60,850 scfm. [District Rule 2201]
19. Permittee shall maintain records of days of operation. [District Rule 2201]
20. Records of all maintenance of the baghouse, including all change outs of filter media, shall be maintained. [District Rule 2201]
21. All records shall be maintained and retained on-site for a minimum of five (5) years, and shall be made available for District inspection upon request. [District Rule 1070]

DRAFT

San Joaquin Valley
Air Pollution Control District

AUTHORITY TO CONSTRUCT

ISSUANCE DATE: DRAFT

PERMIT NO: C-258-4-4

LEGAL OWNER OR OPERATOR: CENTRAL CA ALMOND GROWERS ASSC
MAILING ADDRESS: P O BOX 338
KERMAN, CA 93630

LOCATION: 8325 S MADERA AVE
KERMAN, CA 93630

EQUIPMENT DESCRIPTION:

MODIFICATION OF 642 HP ALMOND HULLER AND SHELLER #1 CONSISTING OF SCREENS, CRACKERS, SHEAR ROLLS, CONVEYORS, AUGERS, AND ELEVATORS SERVED BY MAC MODEL #144MCF255 AND SAUNCO #5-3200 BAGHOUSES: INCREASE DAYS PER YEAR OF OPERATION FROM 146 DAYS PER YEAR TO 149.32 DAYS PER YEAR

CONDITIONS

1. Upon implementation of the modification and startup of the equipment authorized by these Authorities to Construct (ATCs), ATCs C-258-1-2, C-258-2-3, C-258-3-3, C-258-4-3, C-258-5-3, C-258-9-1, C-258-10-1 and C-258-11-1 shall be cancelled. [District Rule 2201]
2. Prior to operating equipment under Authorities to Construct C-258-1-3, '-2-4, '-3-4, '-4-4, '-5-4, '-9-2, '-10-2, and '-11-2 permittee shall surrender PM10 emission reduction credits for the following quantity of emissions: 1st quarter - 0 lb, 2nd quarter - 0 lb, 3rd quarter - 176 lb, and fourth quarter - 176 lb. Offsets shall be provided at the applicable offset ratio specified in Table 4-2 of Rule 2201 (as amended 9/21/06). [District Rule 2201]
3. ERC Certificate Number C-1004-4 (or a certificate split from this certificate) shall be used to supply the required offsets, unless a revised offsetting proposal is received and approved by the District, upon which this Authority to Construct shall be reissued, administratively specifying the new offsetting proposal. Original public noticing requirements, if any, shall be duplicated prior to reissuance of this Authority to Construct. [District Rule 2201]
4. {98} No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]
5. This almond processing operation shall not operate more than 147.98 days per calendar year. [District Rule 2201]
6. Visible emissions from the baghouse serving this almond pre-cleaning operation shall not equal or exceed 5% opacity for a period or periods aggregating more than three minutes in one hour. [District NSR Rule]

CONDITIONS CONTINUE ON NEXT PAGE

YOU MUST NOTIFY THE DISTRICT COMPLIANCE DIVISION AT (559) 230-5950 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 APCO

DAVID WARNER, Director of Permit Services

C-258-4-4 Nov 13 2009 8:12AM - HARRISR : Joint Inspection NOT Required

7. The baghouse shall be maintained and operated according to manufacturer's specifications. [District Rule 2201]
8. 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]
9. {120} The baghouse cleaning frequency and duration shall be adjusted to optimize the control efficiency. [District NSR Rule]
10. Replacement bags numbering at least 10% of the total number of bags in the baghouse shall be maintained on the premises. [District Rule 2201]
11. {10} The baghouse shall be equipped with a pressure differential gauge to indicate the pressure drop across the bags. The gauge shall be maintained in good working condition at all times and shall be located in an easily accessible location. [District NSR Rule]
12. The pressure drop across the bags shall be maintained between 3 inches and 6 inches of water column. [District Rule 2201]
13. {73} Material removed from the dust collector(s) shall be disposed of in a manner preventing entrainment into the atmosphere. [District NSR Rule]
14. Differential operating pressure shall be monitored and recorded on each day that the baghouse operates. [District Rule 2201]
15. During seasonal operation the baghouse shall be inspected monthly and any tears, holes, or rips in the bags shall be repaired or blinded upon detection. [District Rule 2201]
16. Emissions from the MAC and Saunco baghouses controlling this almond hulling and shelling operation shall not exceed 28.8 lb-PM10/day combined. [District Rule 2201]
17. PM10 emissions concentration from either the MAC or Saunco baghouse controlling this almond hulling and shelling operation shall not exceed 0.0015 grains/scf. [District Rule 2201]
18. Maximum airflow from the Saunco baghouse controlling this almond hulling and shelling operation shall not exceed 64,000 scfm. [District Rule 2201]
19. Maximum airflow from the MAC baghouse controlling this almond hulling and shelling operation shall not exceed 29,392 scfm. [District Rule 2201]
20. Permittee shall maintain records of days of operation. [District Rule 2201]
21. Records of all maintenance of the baghouse, including all change outs of filter media, shall be maintained. [District Rule 2201]
22. All records shall be maintained and retained on-site for a minimum of five (5) years, and shall be made available for District inspection upon request. [District Rule 1070]

DRAFT

San Joaquin Valley
Air Pollution Control District

AUTHORITY TO CONSTRUCT

ISSUANCE DATE: DRAFT
DRAFT

PERMIT NO: C-258-5-4

LEGAL OWNER OR OPERATOR: CENTRAL CA ALMOND GROWERS ASSC
MAILING ADDRESS: P O BOX 338
KERMAN, CA 93630

LOCATION: 8325 S MADERA AVE
KERMAN, CA 93630

EQUIPMENT DESCRIPTION:

MODIFICATION OF FOUR SHELL STORAGE SILOS SERVED BY A MAC MODEL #96AVS16 FABRIC COLLECTOR BAGHOUSE: REVISE EMISSION FACTORS TO REFLECT 2006 SOURCE TEST RESULTS, AND INCREASE DAYS PER YEAR OF OPERATION FROM 146 DAYS PER YEAR TO 149.32 DAYS PER YEAR

CONDITIONS

1. Upon implementation of the modification and startup of the equipment authorized by these Authorities to Construct (ATCs), ATCs C-258-1-2, C-258-2-3, C-258-3-3, C-258-4-3, C-258-5-3, C-258-9-1, C-258-10-1 and C-258-11-1 shall be cancelled. [District Rule 2201]
2. Prior to operating equipment under Authorities to Construct C-258-1-3, '-2-4, '-3-4, '-4-4, '-5-4, '-9-2, '-10-2, and '-11-2 permittee shall surrender PM10 emission reduction credits for the following quantity of emissions: 1st quarter - 0 lb, 2nd quarter - 0 lb, 3rd quarter - 176 lb, and fourth quarter - 176 lb. Offsets shall be provided at the applicable offset ratio specified in Table 4-2 of Rule 2201 (as amended 9/21/06). [District Rule 2201]
3. ERC Certificate Number C-1004-4 (or a certificate split from this certificate) shall be used to supply the required offsets, unless a revised offsetting proposal is received and approved by the District, upon which this Authority to Construct shall be reissued, administratively specifying the new offsetting proposal. Original public noticing requirements, if any, shall be duplicated prior to reissuance of this Authority to Construct. [District Rule 2201]
4. {98} No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]
5. This almond processing operation shall not operate more than 149.32 days per calendar year. [District Rule 2201]
6. Visible emissions from the baghouse serving this almond pre-cleaning operation shall not equal or exceed 5% opacity for a period or periods aggregating more than three minutes in one hour. [District NSR Rule]
7. The baghouse shall be maintained and operated according to manufacturer's specifications. [District Rule 2201]

CONDITIONS CONTINUE ON NEXT PAGE

YOU MUST NOTIFY THE DISTRICT COMPLIANCE DIVISION AT (559) 230-5950 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, APCO

DAVID WARNER, Director of Permit Services

C-258-5-4 : Nov 13 2009 8:12AM - HARRISR : Joint Inspection NOT Required

8. 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]
9. {120} The baghouse cleaning frequency and duration shall be adjusted to optimize the control efficiency. [District NSR Rule]
10. Replacement bags numbering at least 10% of the total number of bags in the baghouse shall be maintained on the premises. [District Rule 2201]
11. {10} The baghouse shall be equipped with a pressure differential gauge to indicate the pressure drop across the bags. The gauge shall be maintained in good working condition at all times and shall be located in an easily accessible location. [District NSR Rule]
12. The pressure drop across the bags shall be maintained below 6 inches of water column. [District Rule 2201]
13. {73} Material removed from the dust collector(s) shall be disposed of in a manner preventing entrainment into the atmosphere. [District NSR Rule]
14. Differential operating pressure shall be monitored and recorded on each day that the baghouse operates. [District Rule 2201]
15. During seasonal operation the baghouse shall be inspected monthly and any tears, holes, or rips in the bags shall be repaired or blinded upon detection. [District Rule 2201]
16. Emissions from the MAC baghouse controlling this almond storage silo operation shall not exceed 0.2 lb-PM10/day. [District Rule 2201]
17. PM10 emissions concentration from the MAC baghouse controlling this almond storage silo operation shall not exceed 0.0012 grains/scf. [District Rule 2201]
18. The MAC baghouse shall be equipped with a non-resettable hour meter. [District Rule 2201]
19. Maximum airflow from the MAC baghouse controlling this almond storage silo operation shall not exceed 836 scfm. [District Rule 2201]
20. Records of all maintenance of the baghouse, including all change outs of filter media, shall be maintained. [District Rule 2201]
21. Permittee shall maintain records of days of operation. [District Rule 2201]
22. All records shall be retained for a period of at least five (5) years and shall be made available for District inspection upon request. [District Rules 1070 and 2201]

DRAFT

San Joaquin Valley
Air Pollution Control District

AUTHORITY TO CONSTRUCT

ISSUANCE DATE: DRAFT
DRAFT

PERMIT NO: C-258-9-2

LEGAL OWNER OR OPERATOR: CENTRAL CA ALMOND GROWERS ASSC
MAILING ADDRESS: P O BOX 338
KERMAN, CA 93630

LOCATION: 8325 S MADERA AVE
KERMAN, CA 93630

EQUIPMENT DESCRIPTION:

MODIFICATION OF 478 HP ALMOND PRE-CLEANING OPERATION #3 CONSISTING OF CONVEYORS, ELEVATORS, AUGERS, A DESTONER, AND A 72" X 60" DETWIGGER ALL CONTROLLED WITH A LMC MODEL 780LP12T BAGHOUSE AND A FAN EQUIPMENT MODEL 600BCS 90,000 CFM EXHAUST FAN; REVISE EMISSION FACTORS TO REFLECT 2006 SOURCE TEST RESULTS, AND INCREASE DAYS PER YEAR OF OPERATION FROM 146 DAYS PER YEAR TO 149.32 DAYS PER YEAR

CONDITIONS

1. Upon implementation of the modification and startup of the equipment authorized by these Authorities to Construct (ATCs), ATCs C-258-1-2, C-258-2-3, C-258-3-3, C-258-4-3, C-258-5-3, C-258-9-1, C-258-10-1 and C-258-11-1 shall be cancelled. [District Rule 2201]
2. Prior to operating equipment under Authorities to Construct C-258-1-3, '-2-4, '-3-4, '-4-4, '-5-4, '-9-2, '-10-2, and '-11-2 permittee shall surrender PM10 emission reduction credits for the following quantity of emissions: 1st quarter - 0 lb, 2nd quarter - 0 lb, 3rd quarter - 176 lb, and fourth quarter - 176 lb. Offsets shall be provided at the applicable offset ratio specified in Table 4-2 of Rule 2201 (as amended 9/21/06). [District Rule 2201]
3. ERC Certificate Number C-1004-4 (or a certificate split from this certificate) shall be used to supply the required offsets, unless a revised offsetting proposal is received and approved by the District, upon which this Authority to Construct shall be reissued, administratively specifying the new offsetting proposal. Original public noticing requirements, if any, shall be duplicated prior to reissuance of this Authority to Construct. [District Rule 2201]
4. {98} No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]
5. This almond processing operation shall not operate more than 149.32 days per calendar year. [District Rule 2201]

CONDITIONS CONTINUE ON NEXT PAGE

YOU MUST NOTIFY THE DISTRICT COMPLIANCE DIVISION AT (559) 230-5950 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 APCO

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DAVID WARNER, Director of Permit Services

C-258-9-2 Nov 13 2009 8:12AM - HARRISR : Joint Inspection NOT Required

6. Visible emissions from the baghouse serving this almond pre-cleaning operation shall not equal or exceed 5% opacity for a period or periods aggregating more than three minutes in one hour. [District NSR Rule]
7. The baghouse shall be maintained and operated according to manufacturer's specifications. [District Rule 2201]
8. 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]
9. {120} The baghouse cleaning frequency and duration shall be adjusted to optimize the control efficiency. [District NSR Rule]
10. Replacement bags numbering at least 10% of the total number of bags in the baghouse shall be maintained on the premises. [District Rule 2201]
11. {10} The baghouse shall be equipped with a pressure differential gauge to indicate the pressure drop across the bags. The gauge shall be maintained in good working condition at all times and shall be located in an easily accessible location. [District NSR Rule]
12. The pressure drop across the bags shall be maintained between 1 inch and 4 inches of water column. [District Rule 2201]
13. {73} Material removed from the dust collector(s) shall be disposed of in a manner preventing entrainment into the atmosphere. [District NSR Rule]
14. Differential operating pressure shall be monitored and recorded on each day that the baghouse operates. [District Rule 2201]
15. During seasonal operation the baghouse shall be inspected monthly and any tears, holes, or rips in the bags shall be repaired or blinded upon detection. [District Rule 2201]
16. Emissions from the LMC baghouse controlling this almond pre-cleaning operation shall not exceed 29.6 lb-PM10/day. [District Rule 2201]
17. PM10 emissions concentration from the LMC baghouse controlling this almond pre-cleaning operation shall not exceed 0.0016 grains/scf. [District Rule 2201]
18. Maximum airflow from the LMC baghouse controlling this almond pre-cleaning operation shall not exceed 90,000 scfm. [District Rule 2201]
19. Permittee shall maintain records of days of operation. [District Rule 2201]
20. Records of all maintenance of the baghouse, including all change outs of filter media, shall be maintained. [District Rule 2201]
21. All records shall be maintained and retained on-site for a minimum of five (5) years, and shall be made available for District inspection upon request. [District Rule 1070]

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San Joaquin Valley
Air Pollution Control District

AUTHORITY TO CONSTRUCT

ISSUANCE DATE: DRAFT

PERMIT NO: C-258-10-2

LEGAL OWNER OR OPERATOR: CENTRAL CA ALMOND GROWERS ASSC

MAILING ADDRESS: P O BOX 338
KERMAN, CA 93630

LOCATION: 8325 S MADERA AVE
KERMAN, CA 93630

EQUIPMENT DESCRIPTION:

MODIFICATION OF 1,599.45 HP ALMOND HULLER AND SHELLER OPERATION #3 CONSISTING OF SCREENS, CRACKERS, SHEAR ROLLERS, CONVEYORS, AUGERS, AND ELEVATORS ALL CONTROLLED WITH A LMC MODEL 882LP12T BAGHOUSE AND A FAN EQUIPMENT MODEL 660BCS 130,000 CFM EXHAUST FAN: REVISE EMISSION FACTORS TO REFLECT 2006 SOURCE TEST RESULTS, AND INCREASE DAYS PER YEAR OF OPERATION FROM 146 DAYS PER YEAR TO 149.32 DAYS PER YEAR

CONDITIONS

1. Upon implementation of the modification and startup of the equipment authorized by these Authorities to Construct (ATCs), ATCs C-258-1-2, C-258-2-3, C-258-3-3, C-258-4-3, C-258-5-3, C-258-9-1, C-258-10-1 and C-258-11-1 shall be cancelled. [District Rule 2201]
2. Prior to operating equipment under Authorities to Construct C-258-1-3, '-2-4, '-3-4, '-4-4, '-5-4, '-9-2, '-10-2, and '-11-2 permittee shall surrender PM10 emission reduction credits for the following quantity of emissions: 1st quarter - 0 lb, 2nd quarter - 0 lb, 3rd quarter - 176 lb, and fourth quarter - 176 lb. Offsets shall be provided at the applicable offset ratio specified in Table 4-2 of Rule 2201 (as amended 9/21/06). [District Rule 2201]
3. ERC Certificate Number C-1004-4 (or a certificate split from this certificate) shall be used to supply the required offsets, unless a revised offsetting proposal is received and approved by the District, upon which this Authority to Construct shall be reissued, administratively specifying the new offsetting proposal. Original public noticing requirements, if any, shall be duplicated prior to reissuance of this Authority to Construct. [District Rule 2201]
4. {98} No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]
5. This almond processing operation shall not operate more than 147.98 days per calendar year. [District Rule 2201]

CONDITIONS CONTINUE ON NEXT PAGE

YOU MUST NOTIFY THE DISTRICT COMPLIANCE DIVISION AT (559) 230-5950 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 APCO

DAVID WARNER, Director of Permit Services

C-258-10-2 : Nov 13 2009 8:12AM - HARRISR Joint Inspection NOT Required

6. Visible emissions from the baghouse serving this almond pre-cleaning operation shall not equal or exceed 5% opacity for a period or periods aggregating more than three minutes in one hour. [District NSR Rule]
7. The baghouse shall be maintained and operated according to manufacturer's specifications. [District Rule 2201]
8. 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]
9. {120} The baghouse cleaning frequency and duration shall be adjusted to optimize the control efficiency. [District NSR Rule]
10. Replacement bags numbering at least 10% of the total number of bags in the baghouse shall be maintained on the premises. [District Rule 2201]
11. {10} The baghouse shall be equipped with a pressure differential gauge to indicate the pressure drop across the bags. The gauge shall be maintained in good working condition at all times and shall be located in an easily accessible location. [District NSR Rule]
12. The pressure drop across the bags shall be maintained between 1 inch and 4 inches of water column. [District Rule 2201]
13. {73} Material removed from the dust collector(s) shall be disposed of in a manner preventing entrainment into the atmosphere. [District NSR Rule]
14. Differential operating pressure shall be monitored and recorded on each day that the baghouse operates. [District Rule 2201]
15. During seasonal operation the baghouse shall be inspected monthly and any tears, holes, or rips in the bags shall be repaired or blinded upon detection. [District Rule 2201]
16. Emissions from the LMC baghouse controlling this almond pre-cleaning operation shall not exceed 13.4 lb-PM10/day. [District Rule 2201]
17. PM10 emissions concentration from the LMC baghouse controlling this almond pre-cleaning operation shall not exceed 0.0005 grains/scf. [District Rule 2201]
18. Maximum airflow from the LMC baghouse controlling this almond pre-cleaning operation shall not exceed 130,000 scfm. [District Rule 2201]
19. Permittee shall maintain records of days of operation. [District Rule 2201]
20. Records of all maintenance of the baghouse, including all change outs of filter media, shall be maintained. [District Rule 2201]
21. All records shall be maintained and retained on-site for a minimum of five (5) years, and shall be made available for District inspection upon request. [District Rule 1070]

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San Joaquin Valley
Air Pollution Control District

AUTHORITY TO CONSTRUCT

ISSUANCE DATE: DRAFT
DRAFT

PERMIT NO: C-258-11-2

LEGAL OWNER OR OPERATOR: CENTRAL CA ALMOND GROWERS ASSC
MAILING ADDRESS: P O BOX 338
KERMAN, CA 93630

LOCATION: 8325 S MADERA AVE
KERMAN, CA 93630

EQUIPMENT DESCRIPTION:

MODIFICATION OF 1,599.45 HP ALMOND HULLER AND SHELLER OPERATION #4 CONSISTING OF SCREENS, CRACKERS, SHEAR ROLLERS, CONVEYORS, AUGERS, AND ELEVATORS ALL CONTROLLED WITH A LMC MODEL 882LP12T BAGHOUSE AND A FAN EQUIPMENT MODEL 660BCS 130,000 CFM EXHAUST FAN: INCREASE DAYS PER YEAR OF OPERATION FROM 146 DAYS PER YEAR TO 149.32 DAYS PER YEAR

CONDITIONS

1. Upon implementation of the modification and startup of the equipment authorized by these Authorities to Construct (ATCs), ATCs C-258-1-2, C-258-2-3, C-258-3-3, C-258-4-3, C-258-5-3, C-258-9-1, C-258-10-1 and C-258-11-1 shall be cancelled. [District Rule 2201]
2. Prior to operating equipment under Authorities to Construct C-258-1-3, '-2-4, '-3-4, '-4-4, '-5-4, '-9-2, '-10-2, and '-11-2 permittee shall surrender PM10 emission reduction credits for the following quantity of emissions: 1st quarter - 0 lb, 2nd quarter - 0 lb, 3rd quarter - 176 lb, and fourth quarter - 176 lb. Offsets shall be provided at the applicable offset ratio specified in Table 4-2 of Rule 2201 (as amended 9/21/06). [District Rule 2201]
3. ERC Certificate Number C-1004-4 (or a certificate split from this certificate) shall be used to supply the required offsets, unless a revised offsetting proposal is received and approved by the District, upon which this Authority to Construct shall be reissued, administratively specifying the new offsetting proposal. Original public noticing requirements, if any, shall be duplicated prior to reissuance of this Authority to Construct. [District Rule 2201]
4. {98} No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]
5. This almond processing operation shall not operate more than 147.98 days per calendar year. [District Rule 2201]
6. Visible emissions from the baghouse serving this almond pre-cleaning operation shall not equal or exceed 5% opacity for a period or periods aggregating more than three minutes in one hour. [District NSR Rule]

CONDITIONS CONTINUE ON NEXT PAGE

YOU MUST NOTIFY THE DISTRICT COMPLIANCE DIVISION AT (559) 230-5950 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 APCO

DAVID WARNER, Director of Permit Services

C-258-11-2 : Nov 13 2009 8:12AM - HARRISR : Joint Inspection NOT Required

7. The baghouse shall be maintained and operated according to manufacturer's specifications. [District Rule 2201]
8. 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]
9. {120} The baghouse cleaning frequency and duration shall be adjusted to optimize the control efficiency. [District NSR Rule]
10. Replacement bags numbering at least 10% of the total number of bags in the baghouse shall be maintained on the premises. [District Rule 2201]
11. {10} The baghouse shall be equipped with a pressure differential gauge to indicate the pressure drop across the bags. The gauge shall be maintained in good working condition at all times and shall be located in an easily accessible location. [District NSR Rule]
12. The pressure drop across the bags shall be maintained between 1 inch and 4 inches of water column. [District Rule 2201]
13. {73} Material removed from the dust collector(s) shall be disposed of in a manner preventing entrainment into the atmosphere. [District NSR Rule]
14. Differential operating pressure shall be monitored and recorded on each day that the baghouse operates. [District Rule 2201]
15. During seasonal operation the baghouse shall be inspected monthly and any tears, holes, or rips in the bags shall be repaired or blinded upon detection. [District Rule 2201]
16. Emissions from the LMC baghouse controlling this almond hulling and shelling operation shall not exceed 40.1 lb-PM10/day. [District Rule 2201]
17. PM10 emissions concentration from the LMC baghouse controlling this almond hulling and shelling operation shall not exceed 0.0015 grains/scf. [District Rule 2201]
18. Maximum airflow from the LMC baghouse controlling this almond hulling and shelling operation shall not exceed 130,000 scfm. [District Rule 2201]
19. Permittee shall maintain records of days of operation. [District Rule 2201]
20. Records of all maintenance of the baghouse, including all change outs of filter media, shall be maintained. [District Rule 2201]
21. All records shall be maintained and retained on-site for a minimum of five (5) years, and shall be made available for District inspection upon request. [District Rule 1070]

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