



**SEP 25 2013**

Mr. Patrick Gollihar  
Taft Production Company  
PO Box 1277  
Taft, CA 93268

**Re: Notice of Minor Title V Permit Modification**  
**District Facility # S-1234**  
**Project # 1131064**

Dear Mr. Gollihar:

Enclosed is the District's analysis of your application for minor Title V permit modification for the facility identified above. You proposed a Title V minor permit modification to incorporate recently issued Authority to Construct (ATC) permits S-1234-2-25, -21-5 and -26-1 into the Title V operating permit. The ATC are to replace or remove various cat litter processing equipment.

Enclosed is the engineering evaluation with the following attachments: proposed modified Title V permit, Authority to Construct (ATC) permits S-1234-2-25, -21-5 and -26-1, emission increases, application, and previous Title V permit. This project will be subject to a 45-day EPA commenting period prior to the District taking final action.

If you have any questions, please contact Mr. Leonard Scandura, Permit Services Manager, at (661) 392-5500.

Thank you for your cooperation in this matter.

Sincerely,



David Warner  
Director of Permit Services

Enclosures

cc: Gerardo C. Rios, EPA (w/enclosure) via email

**Seyed Sadredin**  
Executive Director/Air Pollution Control Officer

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

# TITLE V APPLICATION REVIEW

Minor Modification  
Project #: S-1131064

Engineer: David Torii  
Reviewing Engineer: Rich Karrs

Facility Number: S-1234  
Facility Name: Taft Production Company  
Mailing Address: PO Box 1277  
Taft, CA 93268

RWK 9-24-13

Contact Name: Patrick Gollihar  
Phone: 661-765-7194

Responsible Official: Patrick Gollihar  
Title: Project Manager

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## I. PROPOSAL

Taft Production Company (TPC) is proposing a Title V minor permit modification to replace or remove various cat litter processing equipment from their Title V operating permit.

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

## II. FACILITY LOCATION

The facility is located at 950 Petroleum Club Road in Taft.

## III. EQUIPMENT DESCRIPTION

### Current PTOs:

S-1234-2-24: DRYING/MILLING/STORAGE OPERATION

S-1234-21-4: PRODUCT DE-DUSTING SYSTEM

S-1234-26-0: CLEANING/MILLING OPERATION #2 INCLUDING TWO BELT CONVEYORS, AND TWO FEED ELEVATORS

### Proposed ATCs:

S-1234-2-25: MODIFICATION OF DRYING/MILLING/STORAGE OPERATION:  
 REPLACE SCREENS S6, S7, S8, S9, S10, S11 AND S14 WITH AN APEX  
 MODEL A7D71L-3M SCREEN (S8) AND REMOVE MILLS M3 AND M10,  
 CONVEYOR C9 AND SCREEN S2

S-1234-21-5: MODIFICATION OF PRODUCT DE-DUSTING SYSTEM: REMOVE  
 BUCKET ELEVATOR #17 AND CHANGE NAME OF DUST COLLECTOR  
 #DC10 TO #DC5

S-1234-26-1: MODIFICATION OF CLEANING/MILLING OPERATION #2 INCLUDING  
 TWO BELT CONVEYORS, AND TWO FEED ELEVATORS: REMOVE  
 ROLL MILL #7

#### IV. SCOPE OF EPA AND PUBLIC REVIEW

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

#### V. APPLICABLE REQUIREMENTS

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

#### VI. DESCRIPTION OF PROPOSED MODIFICATIONS

The Changes in the original Permit to Operate and the implemented ATC are as follows

Condition # on <u>current</u> PTO S-1234-2-24	Condition # on Proposed Permit S-1234-2-26	Condition is New, Revised, or Removed	Reason for Change from Current PTO
2, 3 and 6	2, 3 and 6	revised	Conditions were revised to reflect equipment changes

Condition # on <u>current</u> PTO S-1234-21-4	Condition # on Proposed Permit S-1234-21-6	Condition is New, Revised, or Removed	Reason for Change from Current PTO
3 and 4	3 and 4	revised	Conditions were revised to reflect equipment changes

Condition # on <u>current</u> PTO S-1234-26-0	Condition # on Proposed Permit S-1234-26-2	Condition is New, Revised, or Removed	Reason for Change from Current PTO
1 and 2	1 and 2	revised	Conditions were revised to reflect equipment changes

## VII. COMPLIANCE

In accordance with Rule 2520, 3.20, these modifications:

1. Do not violate requirements of any applicable federally enforceable local or federal requirement;
2. Do not relax monitoring, reporting, or recordkeeping requirements in the permit and are not significant changes in existing monitoring permit terms or conditions;
3. Do not require or change a case-by-case determination of an emission limitation or other standard, or a source-specific determination for temporary sources of ambient impacts, or a visibility or increment analysis;
4. Do not seek to establish or change a permit term or condition for which there is no corresponding underlying applicable requirement and that the source has assumed to avoid an applicable requirement to which

the source would otherwise be subject. Such terms and conditions include;

- a. A federally enforceable emission cap assumed to avoid classification as a modification under any provisions of Title I of the Federal Clean Air Act; and
  - b. An alternative emissions limit approved pursuant to regulations promulgated under section 112(i)(5) of the Federal Clean Air Act; and
5. Are not Title I modifications as defined in District Rule 2520 or modifications as defined in section 111 or 112 of the Federal Clean Air Act; and
  6. Do not seek to consolidate overlapping applicable requirements.

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

1. A description of the change, the emissions resulting from the change, and any new applicable requirements that will apply if the change occurs;
2. The source's suggested draft permit; and
3. Certification by a responsible official that the proposed modification meets the criteria for use of minor permit modification procedures and a request that such procedures be used.

# ATTACHMENT A

Proposed Modified Title V Operating Permit No.  
(S-1234-2-26, '21-6 and '26-2)

# San Joaquin Valley Air Pollution Control District

**PERMIT UNIT:** S-1234-2-26

**EXPIRATION DATE:** 03/31/2016

**SECTION:** 28 **TOWNSHIP:** 32S **RANGE:** 24E

**EQUIPMENT DESCRIPTION:**

DRYING/MILLING/STORAGE OPERATION INCLUDING CONVEYORS, ELEVATORS SCREENS AND MILLS SERVED BY FABRIC FILTERS AND 35 MMBTU/HR NATURAL GAS/PROPANE-FIRED FLUIDIZED BED DRYER D1 WITH COEN BURNER SERVED BY VENTURI SCRUBBER WITH MIST ELIMINATOR

## PERMIT UNIT REQUIREMENTS

1. {1898} The exhaust stack shall vent vertically upward. The vertical exhaust flow shall not be impeded by a rain cap (flapper ok), roof overhang, or any other obstruction. [District Rule 4102]
2. Operation shall include feed conveyor C4; feed elevator E4, E6, E8-E13; bucket elevator E16; screen, S4; mill M5; conveyors C7; C20-C22; dryer D1; 3 silos T5-T7; fabric collector DC-2; screenhouse B9; and venturi scrubber SV2. [District NSR Rule] Federally Enforceable Through Title V Permit
3. Screenhouse B9 shall include 3 screens S8, S12 and S13, 2 mills M8 and M9, and 5 conveyors C10-C14; all vented to Jamac Fabric Collector DC 2. [District NSR Rule] Federally Enforceable Through Title V Permit
4. The 35 MMBtu/hr natural gas/propane-fired fluidized bed dryer D1 with COEN burner shall include piping for reprocessing of ore material, and dryer exhaust shall be vented to venturi scrubber SV-2. [District NSR Rule] Federally Enforceable Through Title V Permit
5. The total fuel usage shall be limited to 720,000 scf per day. [District NSR Rule] Federally Enforceable Through Title V Permit
6. Screen S4; conveyors C7, C20-C22; mill M5; and elevator E6 shall be vented to Ultra reverse-pulse fabric collector DC-1 (shared with S-1234-1, '-12, and '-26) [District NSR Rule] Federally Enforceable Through Title V Permit
7. If Jamac fabric collector DC-2 is inoperable, screenhouse B9 shall be shut down. [District NSR Rule] Federally Enforceable Through Title V Permit
8. Exhaust fan on Jamac fabric collector DC-2 shall be equipped with an electric motor with rating not to exceed 100 hp. [District NSR Rule] Federally Enforceable Through Title V Permit
9. Exhaust outlet for fluidized bed dryer D1 shall be vented solely to venturi scrubber (SV-2) equipped with mist eliminator. [District NSR Rule] Federally Enforceable Through Title V Permit
10. Venturi scrubber SV-2 shall operate whenever fluidized bed dryer D1 is in operation. [District NSR Rule] Federally Enforceable Through Title V Permit
11. There shall be 8 in. dia. free-flow piping from bucket elevator at tank T7 to screen S8 for reprocessing ore. [District NSR Rule] Federally Enforceable Through Title V Permit
12. All ventilation ductwork shall have capped pitot ports for measurement of internal fluid velocities. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Duct velocities of ductwork serving screens S8, S12 and S13 shall be maintained at no less than 3,900 ft/min. [District NSR Rule] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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

14. Jamac fabric collector, DC-2 shall ventilate 25,800 cfm from greenhouse. [District NSR Rule] Federally Enforceable Through Title V Permit
15. There shall be no visible emissions greater than 5% opacity at any greenhouse ventilation point. [District NSR Rule] Federally Enforceable Through Title V Permit
16. Product in packaging room storage tanks shall not be cleaned (i.e., 25 hp Sutorbuilt Blower will not operate) unless it contains more than 2% fines (less than 40 mesh particles). [District NSR Rule] Federally Enforceable Through Title V Permit
17. Only one packaging tank shall be cleaned at a time. [District NSR Rule] Federally Enforceable Through Title V Permit
18. Vacuum system for reprocessing of product will only handle milled and screened final product (cat litter). [District NSR Rule] Federally Enforceable Through Title V Permit
19. Maximum emission rate of particulate matter 10 microns and smaller (PM10) from Jamac fabric collector shall not exceed 2.55 lb/hr. [District NSR Rule and District Rule 4202, 4.0] Federally Enforceable Through Title V Permit
20. Maximum emission rate of PM10 from Venturi Scrubber #2 shall not exceed 7.37 lb/hr. [District NSR Rule, and District Rules 4202, 4.0 and 4301, 5.2] Federally Enforceable Through Title V Permit
21. Only LPG or natural gas purchased from a PUC-regulated utility shall be combusted in fluidized bed dryer. [District Rule 2201] Federally Enforceable Through Title V Permit
22. Sulfur content of propane shall not exceed 15 grain per 100 scf. [District Rule 2201] Federally Enforceable Through Title V Permit
23. Emissions for NOx and CO shall be uncorrected if the measured oxygen exhaust concentration exceeds 19.0% by volume or shall be corrected to 19.0% by volume for units operating at measured O2 concentrations of 19.0 % by volume or less. [District Rules 2201 and 4309] Federally Enforceable Through Title V Permit
24. Except during startup and shutdown emissions rates for combustion of natural gas in fluidized bed dryer shall not exceed any of the following limits: 4.3 ppmvd NOX @ 19% O2 or 0.049 lb/MMBtu , 0.00285 lb-SOx/MMBtu, 40 ppmvd CO @ 19% O2 or 0.280 lb-CO/MMBtu, or 0.0055 lb-VOC/MMBtu. [District Rules 2201 and 4309] Federally Enforceable Through Title V Permit
25. Except during startup and shutdown emissions rates for combustion of propane in fluidized bed dryer shall not exceed any of the following limits: 4.3 ppmvd NOX @ 19% O2 or 0.049 lb/MMBtu, 0.0164 lb-SOx/MMBtu, 40 ppmvd CO @ 19% O2 or 0.280 lb-CO/MMBtu, or 0.0055 lb-VOC/MMBtu. [District Rules 2201 and 4309] Federally Enforceable Through Title V Permit
26. Total duration of startup shall not exceed 1 hr/day. [District Rules 2201 and 4309] Federally Enforceable Through Title V Permit
27. Total duration of shutdown shall not exceed 1 hr/day. [District Rules 2201 and 4309] Federally Enforceable Through Title V Permit
28. Daily records of start-up and shutdown durations and number of occurrences of each shall be maintained. [District Rule 2201] Federally Enforceable Through Title V Permit
29. Particulate matter emissions shall not exceed the hourly rate as calculated in District Rule 4202 using the equation  $E = 3.59xP^{0.62}$  if P is less than or equal to 30 tons per hour, or  $E = 17.31xP^{0.16}$  if P is greater than 30 tons per hour. [District Rule 4202, 4.0] Federally Enforceable Through Title V Permit
30. Visible emissions from each dust collector shall be evaluated using EPA method 22 for a period of at least 6 minutes at least once during each day the dust collector is operated. If visible emissions are observed, corrective action shall be taken to eliminate visible emissions. Corrective action shall include the following: inspecting the dust collector system for any tears, abrasions, or holes in the filters; inspecting closed duct systems for damage; and repairing or replacing any defective or damaged material. [District Rules 2520, 9.3.2 and 40 CFR 64] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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

31. Dust collection systems shall be inspected at least quarterly when the unit is not in operation for any tears, abrasions, or holes in the filters; damage to closed duct systems; or any evidence of particulate matter leaks which might interfere with the PM collection efficiency. Any defective or damaged material shall be repaired or replaced as needed. [District Rule 2520, 9.3.2 and 40 CFR 64] Federally Enforceable Through Title V Permit
32. Records of dust collection system maintenance, inspections, and repair shall be maintained. The records shall include identification of the equipment, date of inspection, corrective action taken, and identification of the individual performing the inspection. [District Rule 2520, 9.4.1 and 40 CFR 64] Federally Enforceable Through Title V Permit
33. Scrubber pressure differential shall be observed and recorded at least daily during operation of the unit. [District Rule 2520, 9.3.2 and 40 CFR 64] Federally Enforceable Through Title V Permit
34. If scrubber pressure differential is not within the proper range, corrective action shall be taken. Corrective action shall include inspecting scrubber and performing any necessary repairs. [District Rules 2520, 9.3.2 and 40 CFR 64] Federally Enforceable Through Title V Permit
35. The permittee shall monitor and record the stack concentration of NO<sub>x</sub>, CO, and O<sub>2</sub> at least once every month (in which a source test is not performed) using a portable emission monitor that meets District specifications. Monitoring shall not be required if the unit is not in operation, i.e. the unit need not be started solely to perform monitoring. Monitoring shall be performed within 5 days of restarting the unit unless monitoring has been performed within the last month. [District Rule 4309] Federally Enforceable Through Title V Permit
36. If either the NO<sub>x</sub> or CO concentrations corrected to 19% O<sub>2</sub>, as measured by the portable analyzer, exceed the allowable emissions concentration, the permittee shall return the emissions to within the acceptable range as soon as possible, but no longer than 1 hour of operation after detection. If the portable analyzer readings continue to exceed the allowable emissions concentration after 1 hour of operation after detection, the permittee shall notify the District within the following 1 hour and conduct a certified source test within 60 days of the first exceedance. In lieu of conducting a source test, the permittee may stipulate a violation has occurred, subject to enforcement action. The permittee must then correct the violation, show compliance has been re-established, and resume monitoring procedures. If the deviations are the result of a qualifying breakdown condition pursuant to Rule 1100, the permittee may fully comply with Rule 1100 in lieu of performing the notification and testing required by this condition. [District Rule 4309] Federally Enforceable Through Title V Permit
37. All alternate monitoring parameter emission readings shall be taken with the unit operating either at conditions representative of normal operations or conditions specified in the Permit to Operate. The analyzer shall be calibrated, maintained, and operated in accordance with the manufacturer's specifications and recommendations or a protocol approved by the APCO. Emission readings taken shall be averaged over a 15 consecutive-minute period by either taking a cumulative 15 consecutive-minute sample reading or by taking at least five (5) readings, evenly spaced out over the 15 consecutive-minute period. [District Rule 4309] Federally Enforceable Through Title V Permit
38. The permittee shall maintain records of: (1) the date and time of NO<sub>x</sub>, CO, and O<sub>2</sub> measurements, (2) the O<sub>2</sub> concentration in percent and the measured NO<sub>x</sub> and CO concentrations corrected to 19% O<sub>2</sub>, (3) make and model of exhaust gas analyzer, (4) exhaust gas analyzer calibration records, and (5) a description of any corrective action taken to maintain the emissions within the acceptable range. [District Rule 4309] Federally Enforceable Through Title V Permit
39. Records of scrubber pressure differential observations shall be maintained. The records shall include identification of the equipment, date of inspection, corrective action taken, and identification of the individual performing the inspection. [District Rule 2520, 9.3.2 and 40 CFR 64] Federally Enforceable Through Title V Permit
40. The permittee shall comply with the compliance assurance monitoring operation and maintenance requirements of 40 CFR 64.7. [40 CFR 64] Federally Enforceable Through Title V Permit
41. The permittee shall comply with the recordkeeping and reporting requirements of 40 CFR 64.9. [40 CFR 64] Federally Enforceable Through Title V Permit
42. If the District or EPA determine that a Quality Improvement Plan is required under 40 CFR 64.7(d)(2), the permittee shall develop and implement the Quality Improvement Plan in accordance with 40 CFR 64.8. [40 CFR 64] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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

43. Source testing shall be conducted using the methods and procedures approved by the District. The District must be notified at least 30 days prior to any compliance source test, and a source test plan must be submitted for approval at least 15 days prior to testing. [District Rule 1081] Federally Enforceable Through Title V Permit
44. The results of each source test shall be submitted to the District within 60 days thereafter. [District Rule 1081] Federally Enforceable Through Title V Permit
45. Fluidized bed dryer shall be tested for compliance with the NOx and CO emissions limits within 60 days of startup and once every 24 months thereafter. [District Rules 2201 and 4309] Federally Enforceable Through Title V Permit
46. NOx emissions for source test purposes shall be determined using EPA Method 7E or ARB Method 100 on a ppmv basis, or EPA Method 19 on a heat input basis. NOx emissions during the source test shall be calculated as the arithmetic average of three 30-consecutive-minute test runs. [District Rules 2201 and 4309] Federally Enforceable Through Title V Permit
47. CO emissions for source test purposes shall be determined using EPA Method 10 or ARB Method 100. CO emissions during the source test shall be calculated as the arithmetic average of three 30-consecutive-minute test runs. [District Rules 2201 and 4309] Federally Enforceable Through Title V Permit
48. Stack gas oxygen shall be determined using EPA Method 3 or 3A or ARB Method 100. [District Rules 2201 and 4309] Federally Enforceable Through Title V Permit
49. PM10 emissions from Jamac Fabric Collector DC 2 and venturi scrubber SV2 shall be source tested annually using CARB Method 5, EPA Method 5 (front half), EPA Method 201A in combination with EPA Method 202, or any combination of these methods. Annual source tests shall be conducted at least 6 months after the previous annual source test but not more than 18 months after the previous annual source test. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
50. {2426} The permittee shall maintain, and make available for District inspection, all records of required monitoring data and support information for inspection at any time for a period of five years. [District Rule 2520, 9.4.2] Federally Enforceable Through Title V Permit
51. Compliance with permit conditions in the Title V permit shall be deemed compliance with the applicable requirements of District Rule 4202 (as amended 12/17/92). A permit shield is granted from these requirements. [District Rule 2520, 13.2] Federally Enforceable Through Title V Permit
52. Compliance with permit conditions in the Title V permit shall be deemed compliance with the applicable requirements of District Rule 4301. A permit shield is granted from these requirements. [District Rule 2520, 13.2] Federally Enforceable Through Title V Permit
53. Compliance with permit conditions in the Title V permit shall be deemed compliance with the applicable requirements of District Rule 4801 and Kern County Rule 407. A permit shield is granted from these requirements. [District Rule 2520, 13.2] Federally Enforceable Through Title V Permit
54. Operator shall maintain copies of fuel invoices and supplier certifications. [District Rules 1070 and 2201] Federally Enforceable Through Title V Permit
55. 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 Rules 1070, 4305, and 4306] Federally Enforceable Through Title V Permit

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

DRAFT

# San Joaquin Valley Air Pollution Control District

**PERMIT UNIT:** S-1234-21-6

**EXPIRATION DATE:** 03/31/2016

**SECTION:** 28 **TOWNSHIP:** 32S **RANGE:** 24E

**EQUIPMENT DESCRIPTION:**

PRODUCT DE-DUSTING SYSTEM INCLUDING DEDUSTERS, ADDITIVE BIN, BUCKET ELEVATORS, CONVEYORS AND A DUST COLLECTOR

## PERMIT UNIT REQUIREMENTS

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1. 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 1/2 or equivalent to 10% opacity. [District NSR Rule] Federally Enforceable Through Title V Permit
2. Additive shall be received in bags and hand dumped into 64 cu.ft. bin with visible emissions less than 10% opacity. [District NSR Rule] Federally Enforceable Through Title V Permit
3. Operation shall include: two 20 hp deduster units #D1 and D2, one 5 hp bucket elevator #E18, and two 3 hp conveyors #C20 and C21. [District Rule 2010] Federally Enforceable Through Title V Permit
4. Operation shall include: one additive bin with one 2 hp bucket elevator #E19, and one Ultra Industries, model ND-300, dust collector #DC5 equipped with 50 hp blower. [District Rule 2010] Federally Enforceable Through Title V Permit
5. All material transfer points approved shall be enclosed. [District NSR Rule] Federally Enforceable Through Title V Permit
6. Deduster units #D1 and D2 shall be enclosed and vented exclusively to dust collector #DC5. [District NSR Rule] Federally Enforceable Through Title V Permit
7. Total weight of all materials introduced into this permit unit shall not exceed 487.5 tons per day. [District NSR Rule] Federally Enforceable Through Title V Permit
8. PM10 emission rate for permit unit shall not exceed 0.0163 lb-PM10 per ton of material processed. [District NSR Rule and District Rule 4202, 4.0] Federally Enforceable Through Title V Permit
9. Dust collector #DC5 shall be maintained with a minimum filter area of 4,590 sq. ft. [District NSR Rule] Federally Enforceable Through Title V Permit
10. Material removed from dust collector #DC5 shall be handled in a manner preventing entrainment into the atmosphere (less than 10% opacity). [District NSR Rule] Federally Enforceable Through Title V Permit
11. Permittee shall keep accurate records of material processed on a daily basis, and shall make such records readily available for District inspection for a period of at least five years. [District NSR Rule and District Rule 2520, 9.4.2] Federally Enforceable Through Title V Permit
12. Particulate matter emissions shall not exceed the hourly rate as calculated in District Rule 4202 using the equation  $E = 3.59xP^{0.62}$  if P is less than or equal to 30 tons per hour, or  $E = 17.31xP^{0.16}$  if P is greater than 30 tons per hour. [District Rule 4202, 4.0] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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

13. Visible emissions from each dust collector shall be evaluated using EPA method 22 for a period of at least 6 minutes at least once during each day the dust collector is operated. If visible emissions are observed, corrective action shall be taken to eliminate visible emissions. Corrective action shall include the following: inspecting the dust collector system for any tears, abrasions, or holes in the filters; inspecting closed duct systems for damage; and repairing or replacing any defective or damaged material. [District Rules 2520, 9.3.2; 4201, 3.0; and 40 CFR 64] Federally Enforceable Through Title V Permit
14. Dust collection system shall be inspected at least quarterly when the unit is not in operation for any tears, abrasions, or holes in the filters; damage to closed duct systems; or any evidence of particulate matter leaks which might interfere with the PM collection efficiency. Any defective or damaged material shall be repaired or replaced as needed. [District Rule 2520, 9.3.2 and 40 CFR 64] Federally Enforceable Through Title V Permit
15. Records of dust collection system maintenance, inspections, and repair shall be maintained. The records shall include identification of the equipment, date of inspection, corrective action taken, and identification of the individual performing the inspection. [District Rule 2520, 9.4.2 and 40 CFR 64] Federally Enforceable Through Title V Permit
16. The permittee shall comply with the compliance assurance monitoring operation and maintenance requirements of 40 CFR 64.7. [40 CFR 64] Federally Enforceable Through Title V Permit
17. The permittee shall comply with the recordkeeping and reporting requirements of 40 CFR 64.9. [40 CFR 64] Federally Enforceable Through Title V Permit
18. If the District or EPA determine that a Quality Improvement Plan is required under 40 CFR 64.7(d)(2), the permittee shall develop and implement the Quality Improvement Plan in accordance with 40 CFR 64.8. [40 CFR 64] Federally Enforceable Through Title V Permit
19. {2426} The permittee shall maintain, and make available for District inspection, all records of required monitoring data and support information for inspection at any time for a period of five years. [District Rule 2520, 9.4.2] Federally Enforceable Through Title V Permit
20. Compliance with permit conditions in the Title V permit shall be deemed compliance with the applicable requirements of District Rule 4202 (as amended 12/17/92). A permit shield is granted from these requirements. [District Rule 2520, 13.2] Federally Enforceable Through Title V Permit

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

DRAFT

# San Joaquin Valley Air Pollution Control District

**PERMIT UNIT:** S-1234-26-2

**EXPIRATION DATE:** 03/31/2016

**EQUIPMENT DESCRIPTION:**

CLEANING/MILLING OPERATION #2 INCLUDING TWO BELT CONVEYORS, TWO FEED ELEVATORS AND SHARED FABRIC COLLECTOR

## PERMIT UNIT REQUIREMENTS

1. Universal vibrating screen shall vent to venturi scrubber #1. [District NSR Rule] Federally Enforceable Through Title V Permit
2. Feed elevators and enclosed screen shall be ventilated to Ultra reverse pulse fabric collector (shared with S-1234-1, '-2, and '-12). [District NSR Rule] Federally Enforceable Through Title V Permit
3. Unloading spillage shall be minimized to prevent fugitive dust emissions. [District NSR Rule] Federally Enforceable Through Title V Permit
4. Scrubber H2O supply shall have operational pressure gauge with pressure differential maintained above 8.5 inches W.C. [District NSR Rule] Federally Enforceable Through Title V Permit
5. Particulate matter concentration at scrubber exhaust shall not exceed 0.027 grains/scf. [District NSR Rule and District Rule 4201, 3.0] Federally Enforceable Through Title V Permit
6. Ultra reverse pulse fabric collector (shared with S-1234-1, '-2, and '-12) shall operate whenever process equipment is operated. [District NSR Rule] Federally Enforceable Through Title V Permit
7. Ventilation system serving feed conveying, elevating, screening and milling equipment shall be adjusted and maintained to prevent visible emissions from the ventilated equipment. [District NSR Rule] Federally Enforceable Through Title V Permit
8. Fines from screen shall be conveyed via closed system only to fines silo listed on PTO #S-1234-1. [District NSR Rule] Federally Enforceable Through Title V Permit
9. Particulate matter (PM10) emissions from this permit unit shall not exceed 5.32 lb per hour. [District NSR Rule and District Rules 4301, 5.2 and 4202, 4.0] Federally Enforceable Through Title V Permit
10. Particulate matter emissions shall not exceed the hourly rate as calculated in District Rule 4202 using the equation  $E = 3.59 \times P^{0.62}$  if P is less than or equal to 30 tons per hour, or  $E = 17.31 \times P^{0.16}$  if P is greater than 30 tons per hour. [District Rule 4202, 4.0] Federally Enforceable Through Title V Permit
11. Visible emissions from each dust collector shall be evaluated using EPA method 22 for a period of at least 6 minutes at least once during each day the dust collector is operated. If visible emissions are observed, corrective action shall be taken to eliminate visible emissions. Corrective action shall include the following: inspecting the dust collector system for any tears, abrasions, or holes in the filters; inspecting closed duct systems for damage; and repairing or replacing any defective or damaged material. [District Rules 2520, 9.3.2 and 40 CFR 64] Federally Enforceable Through Title V Permit
12. Dust collection system shall be inspected at least quarterly when the unit is not in operation for any tears, abrasions, or holes in the filters; damage to closed duct systems; or any evidence of particulate matter leaks which might interfere with the PM collection efficiency. Any defective or damaged material shall be repaired or replaced as needed. [District Rule 2520, 9.3.2 and 40 CFR 64] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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

13. Records of dust collection system maintenance, inspections, and repair shall be maintained. The records shall include identification of the equipment, date of inspection, corrective action taken, and identification of the individual performing the inspection. [District Rule 2520, 9.4.1 and 40 CFR 64] Federally Enforceable Through Title V Permit
14. Scrubber pressure differential shall be observed and recorded at least daily during operation of the unit. [District Rule 2520, 9.3.2 and 40 CFR 64] Federally Enforceable Through Title V Permit
15. If scrubber pressure differential is not within the proper range, corrective action shall be taken. Corrective action shall include inspecting scrubber and performing any necessary repairs. [District Rules 2520, 9.3.2 and 40 CFR 64] Federally Enforceable Through Title V Permit
16. Records of scrubber pressure differential observations shall be maintained. The records shall include identification of the equipment, date of inspection, corrective action taken, and identification of the individual performing the inspection. [District Rule 2520, 9.3.2 and 40 CFR 64] Federally Enforceable Through Title V Permit
17. The permittee shall comply with the compliance assurance monitoring operation and maintenance requirements of 40 CFR 64.7. [40 CFR 64] Federally Enforceable Through Title V Permit
18. The permittee shall comply with the recordkeeping and reporting requirements of 40 CFR 64.9. [40 CFR 64] Federally Enforceable Through Title V Permit
19. If the District or EPA determine that a Quality Improvement Plan is required under 40 CFR 64.7(d)(2), the permittee shall develop and implement the Quality Improvement Plan in accordance with 40 CFR 64.8. [40 CFR 64] Federally Enforceable Through Title V Permit
20. PM10 emissions from Ultra reverse pulse fabric collector and venturi scrubber #1 shall be source tested annually using CARB Method 5, EPA Method 5 (front half), EPA Method 201A in combination with EPA Method 202, or any combination of these methods. Annual source tests shall be conducted at least 6 months after the previous annual source test but not more than 18 months after the previous annual source test. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
21. Source testing shall be conducted using the methods and procedures approved by the District. The District must be notified at least 30 days prior to any compliance source test, and a source test plan must be submitted for approval at least 15 days prior to testing. [District Rule 1081] Federally Enforceable Through Title V Permit
22. The results of each source test shall be submitted to the District within 60 days thereafter. [District Rule 1081] Federally Enforceable Through Title V Permit
23. The permittee shall maintain accurate records of hourly process weight. [District Rule 2520, 9.4.1] Federally Enforceable Through Title V Permit
24. {2426} The permittee shall maintain, and make available for District inspection, all records of required monitoring data and support information for inspection at any time for a period of five years. [District Rule 2520, 9.4.2] Federally Enforceable Through Title V Permit
25. Compliance with permit conditions in the Title V permit shall be deemed compliance with the applicable requirements of District Rule 4202 (as amended 12/17/92). A permit shield is granted from these requirements. [District Rule 2520, 13.2] Federally Enforceable Through Title V Permit
26. Compliance with permit conditions in the Title V permit shall be deemed compliance with the applicable requirements of District Rule 4301. A permit shield is granted from these requirements. [District Rule 2520, 13.2] Federally Enforceable Through Title V Permit
27. Compliance with permit conditions in the Title V permit shall be deemed compliance with the applicable requirements of District Rule 4801 and Kern County Rule 407. A permit shield is granted from these requirements. [District Rule 2520, 13.2] Federally Enforceable Through Title V Permit

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

DRAFT

**ATTACHMENT B**  
ATCs  
(S-1234-2-25, '21-5 and '26-1)



## AUTHORITY TO CONSTRUCT

PERMIT NO: S-1234-2-25

ISSUANCE DATE: 02/28/2013

**LEGAL OWNER OR OPERATOR:** TAFT PRODUCTION COMPANY  
**MAILING ADDRESS:** PO BOX 1277  
950 N PETROLEUM CLUB ROAD  
TAFT, CA 93268-1277

**LOCATION:** 950 N PETROLEUM CLUB ROAD  
TAFT, CA

**SECTION:** 28 **TOWNSHIP:** 32S **RANGE:** 24E

**EQUIPMENT DESCRIPTION:**

MODIFICATION OF DRYING/MILLING/STORAGE OPERATION: REPLACE SCREENS S6, S7, S8, S9, S10, S11 AND S14 WITH AN APEX MODEL A7D71L-3M SCREEN (S8) AND REMOVE MILLS M3 AND M10, CONVEYOR C9 AND SCREEN S2

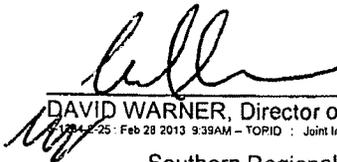
### CONDITIONS

1. The facility shall submit an application to modify the Title V permit in accordance with the timeframes and procedures of District Rule 2520. [District Rule 2520] Federally Enforceable Through Title V Permit
2. The exhaust stack shall vent vertically upward. The vertical exhaust flow shall not be impeded by a rain cap (flapper ok), roof overhang, or any other obstruction. [District Rule 4102]
3. Operation shall include feed conveyor C4; feed elevator E4, E6, E8-E13; bucket elevator E16; screen, S4; mill M5; conveyors C7; C20-C22; dryer D1; 3 silos T5-T7; fabric collector DC-2; screenhouse B9; and venturi scrubber SV2. [District NSR Rule] Federally Enforceable Through Title V Permit
4. Screenhouse B9 shall include 3 screens S8, S12 and S13, 2 mills M8 and M9, and 5 conveyors C10-C14; all vented to Jamac Fabric Collector DC 2. [District NSR Rule] Federally Enforceable Through Title V Permit
5. The 35 MMBtu/hr natural gas/propane-fired fluidized bed dryer D1 with COEN burner shall include piping for reprocessing of ore material, and dryer exhaust shall be vented to venturi scrubber SV-2. [District NSR Rule] Federally Enforceable Through Title V Permit
6. The total fuel usage shall be limited to 720,000 scf per day. [District NSR Rule] Federally Enforceable Through Title V Permit

CONDITIONS CONTINUE ON NEXT PAGE

YOU **MUST** NOTIFY THE DISTRICT COMPLIANCE DIVISION AT (661) 392-5500 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

02/28/2013 9:39AM - TOPID : Joint Inspection NOT Required

7. Screen S4; conveyors C7, C20-C22; mill M5; and elevator E6 shall be vented to Ultra reverse-pulse fabric collector DC-1 (shared with S-1234-1, '-12, and '-26) [District NSR Rule] Federally Enforceable Through Title V Permit
8. If Jamac fabric collector DC-2 is inoperable, screenhouse B9 shall be shut down. [District NSR Rule] Federally Enforceable Through Title V Permit
9. Exhaust fan on Jamac fabric collector DC-2 shall be equipped with an electric motor with rating not to exceed 100 hp. [District NSR Rule] Federally Enforceable Through Title V Permit
10. Exhaust outlet for fluidized bed dryer D1 shall be vented solely to venturi scrubber (SV-2) equipped with mist eliminator. [District NSR Rule] Federally Enforceable Through Title V Permit
11. Venturi scrubber SV-2 shall operate whenever fluidized bed dryer D1 is in operation. [District NSR Rule] Federally Enforceable Through Title V Permit
12. There shall be 8 in. dia. free-flow piping from bucket elevator at tank T7 to screen S8 for reprocessing ore. [District NSR Rule] Federally Enforceable Through Title V Permit
13. All ventilation ductwork shall have capped pitot ports for measurement of internal fluid velocities. [District NSR Rule] Federally Enforceable Through Title V Permit
14. Duct velocities of ductwork serving screens S8, S12 and S13 shall be maintained at no less than 3,900 ft/min. [District NSR Rule] Federally Enforceable Through Title V Permit
15. Jamac fabric collector, DC-2 shall ventilate 25,800 cfm from screenhouse. [District NSR Rule] Federally Enforceable Through Title V Permit
16. There shall be no visible emissions greater than 5% opacity at any screenhouse ventilation point. [District NSR Rule] Federally Enforceable Through Title V Permit
17. Product in packaging room storage tanks shall not be cleaned (i.e., 25 hp Sutorbuilt Blower will not operate) unless it contains more than 2% fines (less than 40 mesh particles). [District NSR Rule] Federally Enforceable Through Title V Permit
18. Only one packaging tank shall be cleaned at a time. [District NSR Rule] Federally Enforceable Through Title V Permit
19. Vacuum system for reprocessing of product will only handle milled and screened final product (cat litter). [District NSR Rule] Federally Enforceable Through Title V Permit
20. Maximum emission rate of particulate matter 10 microns and smaller (PM10) from Jamac fabric collector shall not exceed 2.55 lb/hr. [District NSR Rule and District Rule 4202, 4.0] Federally Enforceable Through Title V Permit
21. Maximum emission rate of PM10 from Venturi Scrubber #2 shall not exceed 7.37 lb/hr. [District NSR Rule, and District Rules 4202, 4.0 and 4301, 5.2] Federally Enforceable Through Title V Permit
22. Only LPG or natural gas purchased from a PUC-regulated utility shall be combusted in fluidized bed dryer. [District Rule 2201] Federally Enforceable Through Title V Permit
23. Sulfur content of propane shall not exceed 15 grain per 100 scf. [District Rule 2201] Federally Enforceable Through Title V Permit
24. Emissions for NOx and CO shall be uncorrected if the measured oxygen exhaust concentration exceeds 19.0% by volume or shall be corrected to 19.0% by volume for units operating at measured O2 concentrations of 19.0 % by volume or less. [District Rules 2201 and 4309] Federally Enforceable Through Title V Permit
25. Except during startup and shutdown emissions rates for combustion of natural gas in fluidized bed dryer shall not exceed any of the following limits: 4.3 ppmvd NOX @ 19% O2 or 0.049 lb/MMBtu, 0.00285 lb-SOx/MMBtu, 40 ppmvd CO @ 19% O2 or 0.280 lb-CO/MMBtu, or 0.0055 lb-VOC/MMBtu. [District Rules 2201 and 4309] Federally Enforceable Through Title V Permit
26. Except during startup and shutdown emissions rates for combustion of propane in fluidized bed dryer shall not exceed any of the following limits: 4.3 ppmvd NOX @ 19% O2 or 0.049 lb/MMBtu, 0.0164 lb-SOx/MMBtu, 40 ppmvd CO @ 19% O2 or 0.280 lb-CO/MMBtu, or 0.0055 lb-VOC/MMBtu. [District Rules 2201 and 4309] Federally Enforceable Through Title V Permit

CONDITIONS CONTINUE ON NEXT PAGE

27. Total duration of startup shall not exceed 1 hr/day. [District Rules 2201 and 4309] Federally Enforceable Through Title V Permit
28. Total duration of shutdown shall not exceed 1 hr/day. [District Rules 2201 and 4309] Federally Enforceable Through Title V Permit
29. Daily records of start-up and shutdown durations and number of occurrences of each shall be maintained. [District Rule 2201] Federally Enforceable Through Title V Permit
30. Particulate matter emissions shall not exceed the hourly rate as calculated in District Rule 4202 using the equation  $E = 3.59 \times P^{0.62}$  if P is less than or equal to 30 tons per hour, or  $E = 17.31 \times P^{0.16}$  if P is greater than 30 tons per hour. [District Rule 4202, 4.0] Federally Enforceable Through Title V Permit
31. Visible emissions from each dust collector shall be evaluated using EPA method 22 for a period of at least 6 minutes at least once during each day the dust collector is operated. If visible emissions are observed, corrective action shall be taken to eliminate visible emissions. Corrective action shall include the following: inspecting the dust collector system for any tears, abrasions, or holes in the filters; inspecting closed duct systems for damage; and repairing or replacing any defective or damaged material. [District Rules 2520, 9.3.2 and 40 CFR 64] Federally Enforceable Through Title V Permit
32. Dust collection systems shall be inspected at least quarterly when the unit is not in operation for any tears, abrasions, or holes in the filters; damage to closed duct systems; or any evidence of particulate matter leaks which might interfere with the PM collection efficiency. Any defective or damaged material shall be repaired or replaced as needed. [District Rule 2520, 9.3.2 and 40 CFR 64] Federally Enforceable Through Title V Permit
33. Records of dust collection system maintenance, inspections, and repair shall be maintained. The records shall include identification of the equipment, date of inspection, corrective action taken, and identification of the individual performing the inspection. [District Rule 2520, 9.4.1 and 40 CFR 64] Federally Enforceable Through Title V Permit
34. Scrubber pressure differential shall be observed and recorded at least daily during operation of the unit. [District Rule 2520, 9.3.2 and 40 CFR 64] Federally Enforceable Through Title V Permit
35. If scrubber pressure differential is not within the proper range, corrective action shall be taken. Corrective action shall include inspecting scrubber and performing any necessary repairs. [District Rules 2520, 9.3.2 and 40 CFR 64] Federally Enforceable Through Title V Permit
36. The permittee shall monitor and record the stack concentration of NO<sub>x</sub>, CO, and O<sub>2</sub> at least once every month (in which a source test is not performed) using a portable emission monitor that meets District specifications. Monitoring shall not be required if the unit is not in operation, i.e. the unit need not be started solely to perform monitoring. Monitoring shall be performed within 5 days of restarting the unit unless monitoring has been performed within the last month. [District Rule 4309] Federally Enforceable Through Title V Permit
37. If either the NO<sub>x</sub> or CO concentrations corrected to 19% O<sub>2</sub>, as measured by the portable analyzer, exceed the allowable emissions concentration, the permittee shall return the emissions to within the acceptable range as soon as possible, but no longer than 1 hour of operation after detection. If the portable analyzer readings continue to exceed the allowable emissions concentration after 1 hour of operation after detection, the permittee shall notify the District within the following 1 hour and conduct a certified source test within 60 days of the first exceedance. In lieu of conducting a source test, the permittee may stipulate a violation has occurred, subject to enforcement action. The permittee must then correct the violation, show compliance has been re-established, and resume monitoring procedures. If the deviations are the result of a qualifying breakdown condition pursuant to Rule 1100, the permittee may fully comply with Rule 1100 in lieu of performing the notification and testing required by this condition. [District Rule 4309] Federally Enforceable Through Title V Permit
38. All alternate monitoring parameter emission readings shall be taken with the unit operating either at conditions representative of normal operations or conditions specified in the Permit to Operate. The analyzer shall be calibrated, maintained, and operated in accordance with the manufacturer's specifications and recommendations or a protocol approved by the APCO. Emission readings taken shall be averaged over a 15 consecutive-minute period by either taking a cumulative 15 consecutive-minute sample reading or by taking at least five (5) readings, evenly spaced out over the 15 consecutive-minute period. [District Rule 4309] Federally Enforceable Through Title V Permit

CONDITIONS CONTINUE ON NEXT PAGE

39. The permittee shall maintain records of: (1) the date and time of NO<sub>x</sub>, CO, and O<sub>2</sub> measurements, (2) the O<sub>2</sub> concentration in percent and the measured NO<sub>x</sub> and CO concentrations corrected to 19% O<sub>2</sub>, (3) make and model of exhaust gas analyzer, (4) exhaust gas analyzer calibration records, and (5) a description of any corrective action taken to maintain the emissions within the acceptable range. [District Rule 4309] Federally Enforceable Through Title V Permit
40. Records of scrubber pressure differential observations shall be maintained. The records shall include identification of the equipment, date of inspection, corrective action taken, and identification of the individual performing the inspection. [District Rule 2520, 9.3.2 and 40 CFR 64] Federally Enforceable Through Title V Permit
41. The permittee shall comply with the compliance assurance monitoring operation and maintenance requirements of 40 CFR 64.7. [40 CFR 64] Federally Enforceable Through Title V Permit
42. The permittee shall comply with the recordkeeping and reporting requirements of 40 CFR 64.9. [40 CFR 64] Federally Enforceable Through Title V Permit
43. If the District or EPA determine that a Quality Improvement Plan is required under 40 CFR 64.7(d)(2), the permittee shall develop and implement the Quality Improvement Plan in accordance with 40 CFR 64.8. [40 CFR 64] Federally Enforceable Through Title V Permit
44. Source testing shall be conducted using the methods and procedures approved by the District. The District must be notified at least 30 days prior to any compliance source test, and a source test plan must be submitted for approval at least 15 days prior to testing. [District Rule 1081] Federally Enforceable Through Title V Permit
45. The results of each source test shall be submitted to the District within 60 days thereafter. [District Rule 1081] Federally Enforceable Through Title V Permit
46. Fluidized bed dryer shall be tested for compliance with the NO<sub>x</sub> and CO emissions limits within 60 days of startup and once every 24 months thereafter. [District Rules 2201 and 4309] Federally Enforceable Through Title V Permit
47. NO<sub>x</sub> emissions for source test purposes shall be determined using EPA Method 7E or ARB Method 100 on a ppmv basis, or EPA Method 19 on a heat input basis. NO<sub>x</sub> emissions during the source test shall be calculated as the arithmetic average of three 30-consecutive-minute test runs. [District Rules 2201 and 4309] Federally Enforceable Through Title V Permit
48. CO emissions for source test purposes shall be determined using EPA Method 10 or ARB Method 100. CO emissions during the source test shall be calculated as the arithmetic average of three 30-consecutive-minute test runs. [District Rules 2201 and 4309] Federally Enforceable Through Title V Permit
49. Stack gas oxygen shall be determined using EPA Method 3 or 3A or ARB Method 100. [District Rules 2201 and 4309] Federally Enforceable Through Title V Permit
50. PM<sub>10</sub> emissions from Jamac Fabric Collector DC 2 and venturi scrubber SV2 shall be source tested annually using CARB Method 5, EPA Method 5 (front half), EPA Method 201A in combination with EPA Method 202, or any combination of these methods. Annual source tests shall be conducted at least 6 months after the previous annual source test but not more than 18 months after the previous annual source test. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
51. The permittee shall maintain, and make available for District inspection, all records of required monitoring data and support information for inspection at any time for a period of five years. [District Rule 2520, 9.4.2] Federally Enforceable Through Title V Permit
52. Compliance with permit conditions in the Title V permit shall be deemed compliance with the applicable requirements of District Rule 4202 (as amended 12/17/92). A permit shield is granted from these requirements. [District Rule 2520, 13.2] Federally Enforceable Through Title V Permit
53. Compliance with permit conditions in the Title V permit shall be deemed compliance with the applicable requirements of District Rule 4301. A permit shield is granted from these requirements. [District Rule 2520, 13.2] Federally Enforceable Through Title V Permit
54. Compliance with permit conditions in the Title V permit shall be deemed compliance with the applicable requirements of District Rule 4801 and Kern County Rule 407. A permit shield is granted from these requirements. [District Rule 2520, 13.2] Federally Enforceable Through Title V Permit

CONDITIONS CONTINUE ON NEXT PAGE

55. Operator shall maintain copies of fuel invoices and supplier certifications. [District Rules 1070 and 2201] Federally Enforceable Through Title V Permit
56. 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 Rules 1070, 4305, and 4306] Federally Enforceable Through Title V Permit



## AUTHORITY TO CONSTRUCT

**PERMIT NO:** S-1234-21-5

**ISSUANCE DATE:** 02/28/2013

**LEGAL OWNER OR OPERATOR:** TAFT PRODUCTION COMPANY  
**MAILING ADDRESS:** PO BOX 1277  
950 N PETROLEUM CLUB ROAD  
TAFT, CA 93268-1277

**LOCATION:** 950 N PETROLEUM CLUB ROAD  
TAFT, CA

**SECTION:** 28 **TOWNSHIP:** 32S **RANGE:** 24E

**EQUIPMENT DESCRIPTION:**

MODIFICATION OF PRODUCT DE-DUSTING SYSTEM: REMOVE BUCKET ELEVATOR #17 AND CHANGE NAME OF DUST COLLECTOR #DC10 TO #DC5

### CONDITIONS

1. The facility shall submit an application to modify the Title V permit in accordance with the timeframes and procedures of District Rule 2520. [District Rule 2520] Federally Enforceable Through Title V Permit
2. No air contaminant shall be discharged into the atmosphere for a period or periods aggregating more than three minutes in any one hour which is dark or darker than Ringelmann 1/2 or equivalent to 10% opacity. [District NSR Rule] Federally Enforceable Through Title V Permit
3. Additive shall be received in bags and hand dumped into 64 cu.ft. bin with visible emissions less than 10% opacity. [District NSR Rule] Federally Enforceable Through Title V Permit
4. Operation shall include: two 20 hp deduster units #D1 and D2, one 5 hp bucket elevator #E18, and two 3 hp conveyors #C20 and C21. [District Rule 2010] Federally Enforceable Through Title V Permit
5. Operation shall include: one additive bin with one 2 hp bucket elevator #E19, and one Ultra Industries, model ND-300, dust collector #DC5 equipped with 50 hp blower. [District Rule 2010] Federally Enforceable Through Title V Permit
6. All material transfer points approved shall be enclosed. [District NSR Rule] Federally Enforceable Through Title V Permit

CONDITIONS CONTINUE ON NEXT PAGE

YOU MUST NOTIFY THE DISTRICT COMPLIANCE DIVISION AT (661) 392-5500 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

S-1234-21-5 - Feb 28 2013 9:39AM - TORID : Joint Inspection NOT Required

7. Deduster units #D1 and D2 shall be enclosed and vented exclusively to dust collector #DC5. [District NSR Rule] Federally Enforceable Through Title V Permit
8. Total weight of all materials introduced into this permit unit shall not exceed 487.5 tons per day. [District NSR Rule] Federally Enforceable Through Title V Permit
9. PM10 emission rate for permit unit shall not exceed 0.0163 lb-PM10 per ton of material processed. [District NSR Rule and District Rule 4202, 4.0] Federally Enforceable Through Title V Permit
10. Dust collector #DC5 shall be maintained with a minimum filter area of 4,590 sq. ft. [District NSR Rule] Federally Enforceable Through Title V Permit
11. Material removed from dust collector #DC5 shall be handled in a manner preventing entrainment into the atmosphere (less than 10% opacity). [District NSR Rule] Federally Enforceable Through Title V Permit
12. Permittee shall keep accurate records of material processed on a daily basis, and shall make such records readily available for District inspection for a period of at least five years. [District NSR Rule and District Rule 2520, 9.4.2] Federally Enforceable Through Title V Permit
13. Particulate matter emissions shall not exceed the hourly rate as calculated in District Rule 4202 using the equation  $E = 3.59 \times P^{0.62}$  if P is less than or equal to 30 tons per hour, or  $E = 17.31 \times P^{0.16}$  if P is greater than 30 tons per hour. [District Rule 4202, 4.0] Federally Enforceable Through Title V Permit
14. Visible emissions from each dust collector shall be evaluated using EPA method 22 for a period of at least 6 minutes at least once during each day the dust collector is operated. If visible emissions are observed, corrective action shall be taken to eliminate visible emissions. Corrective action shall include the following: inspecting the dust collector system for any tears, abrasions, or holes in the filters; inspecting closed duct systems for damage; and repairing or replacing any defective or damaged material. [District Rules 2520, 9.3.2; 4201, 3.0; and 40 CFR 64] Federally Enforceable Through Title V Permit
15. Dust collection system shall be inspected at least quarterly when the unit is not in operation for any tears, abrasions, or holes in the filters; damage to closed duct systems; or any evidence of particulate matter leaks which might interfere with the PM collection efficiency. Any defective or damaged material shall be repaired or replaced as needed. [District Rule 2520, 9.3.2 and 40 CFR 64] Federally Enforceable Through Title V Permit
16. Records of dust collection system maintenance, inspections, and repair shall be maintained. The records shall include identification of the equipment, date of inspection, corrective action taken, and identification of the individual performing the inspection. [District Rule 2520, 9.4.2 and 40 CFR 64] Federally Enforceable Through Title V Permit
17. The permittee shall comply with the compliance assurance monitoring operation and maintenance requirements of 40 CFR 64.7. [40 CFR 64] Federally Enforceable Through Title V Permit
18. The permittee shall comply with the recordkeeping and reporting requirements of 40 CFR 64.9. [40 CFR 64] Federally Enforceable Through Title V Permit
19. If the District or EPA determine that a Quality Improvement Plan is required under 40 CFR 64.7(d)(2), the permittee shall develop and implement the Quality Improvement Plan in accordance with 40 CFR 64.8. [40 CFR 64] Federally Enforceable Through Title V Permit
20. The permittee shall maintain, and make available for District inspection, all records of required monitoring data and support information for inspection at any time for a period of five years. [District Rule 2520, 9.4.2] Federally Enforceable Through Title V Permit
21. Compliance with permit conditions in the Title V permit shall be deemed compliance with the applicable requirements of District Rule 4202 (as amended 12/17/92). A permit shield is granted from these requirements. [District Rule 2520, 13.2] Federally Enforceable Through Title V Permit



## AUTHORITY TO CONSTRUCT

**PERMIT NO:** S-1234-26-1

**ISSUANCE DATE:** 02/28/2013

**LEGAL OWNER OR OPERATOR:** TAFT PRODUCTION COMPANY  
**MAILING ADDRESS:** PO BOX 1277  
950 N PETROLEUM CLUB ROAD  
TAFT, CA 93268-1277

**LOCATION:** 950 N PETROLEUM CLUB ROAD  
TAFT, CA

**EQUIPMENT DESCRIPTION:**  
MODIFICATION OF CLEANING/MILLING OPERATION #2 INCLUDING TWO BELT CONVEYORS, AND TWO FEED ELEVATORS: REMOVE ROLL MILL #7

### CONDITIONS

1. The facility shall submit an application to modify the Title V permit in accordance with the timeframes and procedures of District Rule 2520. [District Rule 2520] Federally Enforceable Through Title V Permit
2. Universal vibrating screen shall vent to venturi scrubber #1. [District NSR Rule] Federally Enforceable Through Title V Permit
3. Feed elevators and enclosed screen shall be ventilated to Ultra reverse pulse fabric collector (shared with S-1234-1, '-2, and '-12). [District NSR Rule] Federally Enforceable Through Title V Permit
4. Unloading spillage shall be minimized to prevent fugitive dust emissions. [District NSR Rule] Federally Enforceable Through Title V Permit
5. Scrubber H2O supply shall have operational pressure gauge with pressure differential maintained above 8.5 inches W.C. [District NSR Rule] Federally Enforceable Through Title V Permit
6. Particulate matter concentration at scrubber exhaust shall not exceed 0.027 grains/scf. [District NSR Rule and District Rule 4201, 3.0] Federally Enforceable Through Title V Permit
7. Ultra reverse pulse fabric collector (shared with S-1234-1, '-2, and '-12) shall operate whenever process equipment is operated. [District NSR Rule] Federally Enforceable Through Title V Permit

CONDITIONS CONTINUE ON NEXT PAGE

**YOU MUST NOTIFY THE DISTRICT COMPLIANCE DIVISION AT (661) 392-5500 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

S-1234-26-1, Feb 28 2013 9:39AM - TORID : Joint Inspection NOT Required

8. Ventilation system serving feed conveying, elevating, screening and milling equipment shall be adjusted and maintained to prevent visible emissions from the ventilated equipment. [District NSR Rule] Federally Enforceable Through Title V Permit
9. Fines from screen shall be conveyed via closed system only to fines silo listed on PTO #S-1234-1. [District NSR Rule] Federally Enforceable Through Title V Permit
10. Particulate matter (PM10) emissions from this permit unit shall not exceed 5.32 lb per hour. [District NSR Rule and District Rules 4301, 5.2 and 4202, 4.0] Federally Enforceable Through Title V Permit
11. Particulate matter emissions shall not exceed the hourly rate as calculated in District Rule 4202 using the equation  $E = 3.59 \times P^{0.62}$  if P is less than or equal to 30 tons per hour, or  $E = 17.31 \times P^{0.16}$  if P is greater than 30 tons per hour. [District Rule 4202, 4.0] Federally Enforceable Through Title V Permit
12. Visible emissions from each dust collector shall be evaluated using EPA method 22 for a period of at least 6 minutes at least once during each day the dust collector is operated. If visible emissions are observed, corrective action shall be taken to eliminate visible emissions. Corrective action shall include the following: inspecting the dust collector system for any tears, abrasions, or holes in the filters; inspecting closed duct systems for damage; and repairing or replacing any defective or damaged material. [District Rules 2520, 9.3.2 and 40 CFR 64] Federally Enforceable Through Title V Permit
13. Dust collection system shall be inspected at least quarterly when the unit is not in operation for any tears, abrasions, or holes in the filters; damage to closed duct systems; or any evidence of particulate matter leaks which might interfere with the PM collection efficiency. Any defective or damaged material shall be repaired or replaced as needed. [District Rule 2520, 9.3.2 and 40 CFR 64] Federally Enforceable Through Title V Permit
14. Records of dust collection system maintenance, inspections, and repair shall be maintained. The records shall include identification of the equipment, date of inspection, corrective action taken, and identification of the individual performing the inspection. [District Rule 2520, 9.4.1 and 40 CFR 64] Federally Enforceable Through Title V Permit
15. Scrubber pressure differential shall be observed and recorded at least daily during operation of the unit. [District Rule 2520, 9.3.2 and 40 CFR 64] Federally Enforceable Through Title V Permit
16. If scrubber pressure differential is not within the proper range, corrective action shall be taken. Corrective action shall include inspecting scrubber and performing any necessary repairs. [District Rules 2520, 9.3.2 and 40 CFR 64] Federally Enforceable Through Title V Permit
17. Records of scrubber pressure differential observations shall be maintained. The records shall include identification of the equipment, date of inspection, corrective action taken, and identification of the individual performing the inspection. [District Rule 2520, 9.3.2 and 40 CFR 64] Federally Enforceable Through Title V Permit
18. The permittee shall comply with the compliance assurance monitoring operation and maintenance requirements of 40 CFR 64.7. [40 CFR 64] Federally Enforceable Through Title V Permit
19. The permittee shall comply with the recordkeeping and reporting requirements of 40 CFR 64.9. [40 CFR 64] Federally Enforceable Through Title V Permit
20. If the District or EPA determine that a Quality Improvement Plan is required under 40 CFR 64.7(d)(2), the permittee shall develop and implement the Quality Improvement Plan in accordance with 40 CFR 64.8. [40 CFR 64] Federally Enforceable Through Title V Permit
21. PM10 emissions from Ultra reverse pulse fabric collector and venturi scrubber #1 shall be source tested annually using CARB Method 5, EPA Method 5 (front half), EPA Method 201A in combination with EPA Method 202, or any combination of these methods. Annual source tests shall be conducted at least 6 months after the previous annual source test but not more than 18 months after the previous annual source test. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
22. Source testing shall be conducted using the methods and procedures approved by the District. The District must be notified at least 30 days prior to any compliance source test, and a source test plan must be submitted for approval at least 15 days prior to testing. [District Rule 1081] Federally Enforceable Through Title V Permit
23. The results of each source test shall be submitted to the District within 60 days thereafter. [District Rule 1081] Federally Enforceable Through Title V Permit

CONDITIONS CONTINUE ON NEXT PAGE

24. The permittee shall maintain accurate records of hourly process weight. [District Rule 2520, 9.4.1] Federally Enforceable Through Title V Permit
25. The permittee shall maintain, and make available for District inspection, all records of required monitoring data and support information for inspection at any time for a period of five years. [District Rule 2520, 9.4.2] Federally Enforceable Through Title V Permit
26. Compliance with permit conditions in the Title V permit shall be deemed compliance with the applicable requirements of District Rule 4202 (as amended 12/17/92). A permit shield is granted from these requirements. [District Rule 2520, 13.2] Federally Enforceable Through Title V Permit
27. Compliance with permit conditions in the Title V permit shall be deemed compliance with the applicable requirements of District Rule 4301. A permit shield is granted from these requirements. [District Rule 2520, 13.2] Federally Enforceable Through Title V Permit
28. Compliance with permit conditions in the Title V permit shall be deemed compliance with the applicable requirements of District Rule 4801 and Kern County Rule 407. A permit shield is granted from these requirements. [District Rule 2520, 13.2] Federally Enforceable Through Title V Permit

**ATTACHMENT C**  
Current Permit to Operate  
(S-1234-2-24, '21-4 and '26-0)

# ATTACHMENT C

## Emissions Increases

SSIPE (lb/yr)				
NOx	VOC	CO	SOx	PM10
0	0	0	0	0

# San Joaquin Valley Air Pollution Control District

**PERMIT UNIT:** S-1234-2-24

**EXPIRATION DATE:** 03/31/2016

**SECTION:** 28 **TOWNSHIP:** 32S **RANGE:** 24E

**EQUIPMENT DESCRIPTION:**  
DRYING/MILLING/STORAGE OPERATION

## PERMIT UNIT REQUIREMENTS

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1. The exhaust stack shall vent vertically upward. The vertical exhaust flow shall not be impeded by a rain cap (flapper ok), roof overhang, or any other obstruction. [District Rule 4102]
2. Operation shall include feed conveyor C4; feed elevator E4, E6, E8-E13; bucket elevator E16; screens S2, S4; mills M3, M5; conveyors C7; C20-C22; dryer D1; 3 silos T5-T7; fabric collector DC-2; screenhouse B9; and venturi scrubber SV2. [District NSR Rule] Federally Enforceable Through Title V Permit
3. Screenhouse B9 shall include 9 screens S6-S14, 4 mills M7-M10, and 6 conveyors C9-C14; all vented to Jamac Fabric Collector DC 2. [District NSR Rule] Federally Enforceable Through Title V Permit
4. The 35 MMBtu/hr natural gas/propane-fired fluidized bed dryer D1 with COEN burner shall include piping for reprocessing of ore material, and dryer exhaust shall be vented to venturi scrubber SV-2. [District NSR Rule] Federally Enforceable Through Title V Permit
5. The total fuel usage shall be limited to 720,000 scf per day. [District NSR Rule] Federally Enforceable Through Title V Permit
6. Screens S2, S4; conveyors C7, C20-C22; mills M3, M5; and elevator E6 shall be vented to Ultra reverse-pulse fabric collector DC-1 (shared with S-1234-1, '-12, and '-26) [District NSR Rule] Federally Enforceable Through Title V Permit
7. If Jamac fabric collector DC-2 is inoperable, screenhouse B9 shall be shut down. [District NSR Rule] Federally Enforceable Through Title V Permit
8. Exhaust fan on Jamac fabric collector DC-2 shall be equipped with an electric motor with rating not to exceed 100 hp. [District NSR Rule] Federally Enforceable Through Title V Permit
9. Exhaust outlet for fluidized bed dryer D1 shall be vented solely to venturi scrubber (SV-2) equipped with mist eliminator. [District NSR Rule] Federally Enforceable Through Title V Permit
10. Venturi scrubber SV-2 shall operate whenever fluidized bed dryer D1 is in operation. [District NSR Rule] Federally Enforceable Through Title V Permit
11. There shall be 8 in. dia. free-flow piping from bucket elevator at tank T7 to screen S14 for reprocessing ore. [District NSR Rule] Federally Enforceable Through Title V Permit
12. All ventilation ductwork shall have capped pitot ports for measurement of internal fluid velocities. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Duct velocities of ductwork serving screens S6-S14 shall be maintained at no less than 3,900 ft/min. [District NSR Rule] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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

14. Jamac fabric collector, DC-2 shall ventilate 25,800 cfm from screenhouse. [District NSR Rule] Federally Enforceable Through Title V Permit
15. There shall be no visible emissions greater than 5% opacity at any screenhouse ventilation point. [District NSR Rule] Federally Enforceable Through Title V Permit
16. Product in packaging room storage tanks shall not be cleaned (i.e., 25 hp Sutorbuilt Blower will not operate) unless it contains more than 2% fines (less than 40 mesh particles). [District NSR Rule] Federally Enforceable Through Title V Permit
17. Only one packaging tank shall be cleaned at a time. [District NSR Rule] Federally Enforceable Through Title V Permit
18. Vacuum system for reprocessing of product will only handle milled and screened final product (cat litter). [District NSR Rule] Federally Enforceable Through Title V Permit
19. Maximum emission rate of particulate matter 10 microns and smaller (PM10) from Jamac fabric collector shall not exceed 2.55 lb/hr. [District NSR Rule and District Rule 4202, 4.0] Federally Enforceable Through Title V Permit
20. Maximum emission rate of PM10 from Venturi Scrubber #2 shall not exceed 7.37 lb/hr. [District NSR Rule, and District Rules 4202, 4.0 and 4301, 5.2] Federally Enforceable Through Title V Permit
21. Only LPG or natural gas purchased from a PUC-regulated utility shall be combusted in fluidized bed dryer. [District Rule 2201] Federally Enforceable Through Title V Permit
22. Sulfur content of propane shall not exceed 15 grain per 100 scf. [District Rule 2201] Federally Enforceable Through Title V Permit
23. Emissions for NOx and CO shall be uncorrected if the measured oxygen exhaust concentration exceeds 19.0% by volume or shall be corrected to 19.0% by volume for units operating at measured O2 concentrations of 19.0 % by volume or less. [District Rules 2201 and 4309] Federally Enforceable Through Title V Permit
24. Except during startup and shutdown emissions rates for combustion of natural gas in fluidized bed dryer shall not exceed any of the following limits: 4.3 ppmvd NOX @ 19% O2 or 0.049 lb/MMBtu, 0.00285 lb-SOx/MMBtu, 40 ppmvd CO @ 19% O2 or 0.280 lb-CO/MMBtu, or 0.0055 lb-VOC/MMBtu. [District Rules 2201 and 4309] Federally Enforceable Through Title V Permit
25. Except during startup and shutdown emissions rates for combustion of propane in fluidized bed dryer shall not exceed any of the following limits: 4.3 ppmvd NOX @ 19% O2 or 0.049 lb/MMBtu, 0.0164 lb-SOx/MMBtu, 40 ppmvd CO @ 19% O2 or 0.280 lb-CO/MMBtu, or 0.0055 lb-VOC/MMBtu. [District Rules 2201 and 4309] Federally Enforceable Through Title V Permit
26. Total duration of startup shall not exceed 1 hr/day. [District Rules 2201 and 4309] Federally Enforceable Through Title V Permit
27. Total duration of shutdown shall not exceed 1 hr/day. [District Rules 2201 and 4309] Federally Enforceable Through Title V Permit
28. Daily records of start-up and shutdown durations and number of occurrences of each shall be maintained. [District Rule 2201] Federally Enforceable Through Title V Permit
29. Particulate matter emissions shall not exceed the hourly rate as calculated in District Rule 4202 using the equation  $E = 3.59 \times P^{0.62}$  if P is less than or equal to 30 tons per hour, or  $E = 17.31 \times P^{0.16}$  if P is greater than 30 tons per hour. [District Rule 4202, 4.0] Federally Enforceable Through Title V Permit
30. Visible emissions from each dust collector shall be evaluated using EPA method 22 for a period of at least 6 minutes at least once during each day the dust collector is operated. If visible emissions are observed, corrective action shall be taken to eliminate visible emissions. Corrective action shall include the following: inspecting the dust collector system for any tears, abrasions, or holes in the filters; inspecting closed duct systems for damage; and repairing or replacing any defective or damaged material. [District Rules 2520, 9.3.2 and 40 CFR 64] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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

31. Dust collection systems shall be inspected at least quarterly when the unit is not in operation for any tears, abrasions, or holes in the filters; damage to closed duct systems; or any evidence of particulate matter leaks which might interfere with the PM collection efficiency. Any defective or damaged material shall be repaired or replaced as needed. [District Rule 2520, 9.3.2 and 40 CFR 64] Federally Enforceable Through Title V Permit
32. Records of dust collection system maintenance, inspections, and repair shall be maintained. The records shall include identification of the equipment, date of inspection, corrective action taken, and identification of the individual performing the inspection. [District Rule 2520, 9.4.1 and 40 CFR 64] Federally Enforceable Through Title V Permit
33. Scrubber pressure differential shall be observed and recorded at least daily during operation of the unit. [District Rule 2520, 9.3.2 and 40 CFR 64] Federally Enforceable Through Title V Permit
34. If scrubber pressure differential is not within the proper range, corrective action shall be taken. Corrective action shall include inspecting scrubber and performing any necessary repairs. [District Rules 2520, 9.3.2 and 40 CFR 64] Federally Enforceable Through Title V Permit
35. The permittee shall monitor and record the stack concentration of NO<sub>x</sub>, CO, and O<sub>2</sub> at least once every month (in which a source test is not performed) using a portable emission monitor that meets District specifications. Monitoring shall not be required if the unit is not in operation, i.e. the unit need not be started solely to perform monitoring. Monitoring shall be performed within 5 days of restarting the unit unless monitoring has been performed within the last month. [District Rule 4309] Federally Enforceable Through Title V Permit
36. If either the NO<sub>x</sub> or CO concentrations corrected to 19% O<sub>2</sub>, as measured by the portable analyzer, exceed the allowable emissions concentration, the permittee shall return the emissions to within the acceptable range as soon as possible, but no longer than 1 hour of operation after detection. If the portable analyzer readings continue to exceed the allowable emissions concentration after 1 hour of operation after detection, the permittee shall notify the District within the following 1 hour and conduct a certified source test within 60 days of the first exceedance. In lieu of conducting a source test, the permittee may stipulate a violation has occurred, subject to enforcement action. The permittee must then correct the violation, show compliance has been re-established, and resume monitoring procedures. If the deviations are the result of a qualifying breakdown condition pursuant to Rule 1100, the permittee may fully comply with Rule 1100 in lieu of performing the notification and testing required by this condition. [District Rule 4309] Federally Enforceable Through Title V Permit
37. All alternate monitoring parameter emission readings shall be taken with the unit operating either at conditions representative of normal operations or conditions specified in the Permit to Operate. The analyzer shall be calibrated, maintained, and operated in accordance with the manufacturer's specifications and recommendations or a protocol approved by the APCO. Emission readings taken shall be averaged over a 15 consecutive-minute period by either taking a cumulative 15 consecutive-minute sample reading or by taking at least five (5) readings, evenly spaced out over the 15 consecutive-minute period. [District Rule 4309] Federally Enforceable Through Title V Permit
38. The permittee shall maintain records of: (1) the date and time of NO<sub>x</sub>, CO, and O<sub>2</sub> measurements, (2) the O<sub>2</sub> concentration in percent and the measured NO<sub>x</sub> and CO concentrations corrected to 19% O<sub>2</sub>, (3) make and model of exhaust gas analyzer, (4) exhaust gas analyzer calibration records, and (5) a description of any corrective action taken to maintain the emissions within the acceptable range. [District Rule 4309] Federally Enforceable Through Title V Permit
39. Records of scrubber pressure differential observations shall be maintained. The records shall include identification of the equipment, date of inspection, corrective action taken, and identification of the individual performing the inspection. [District Rule 2520, 9.3.2 and 40 CFR 64] Federally Enforceable Through Title V Permit
40. The permittee shall comply with the compliance assurance monitoring operation and maintenance requirements of 40 CFR 64.7. [40 CFR 64] Federally Enforceable Through Title V Permit
41. The permittee shall comply with the recordkeeping and reporting requirements of 40 CFR 64.9. [40 CFR 64] Federally Enforceable Through Title V Permit
42. If the District or EPA determine that a Quality Improvement Plan is required under 40 CFR 64.7(d)(2), the permittee shall develop and implement the Quality Improvement Plan in accordance with 40 CFR 64.8. [40 CFR 64] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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

43. Source testing shall be conducted using the methods and procedures approved by the District. The District must be notified at least 30 days prior to any compliance source test, and a source test plan must be submitted for approval at least 15 days prior to testing. [District Rule 1081] Federally Enforceable Through Title V Permit
44. The results of each source test shall be submitted to the District within 60 days thereafter. [District Rule 1081] Federally Enforceable Through Title V Permit
45. Fluidized bed dryer shall be tested for compliance with the NO<sub>x</sub> and CO emissions limits within 60 days of startup and once every 24 months thereafter. [District Rules 2201 and 4309] Federally Enforceable Through Title V Permit
46. NO<sub>x</sub> emissions for source test purposes shall be determined using EPA Method 7E or ARB Method 100 on a ppmv basis, or EPA Method 19 on a heat input basis. NO<sub>x</sub> emissions during the source test shall be calculated as the arithmetic average of three 30-consecutive-minute test runs. [District Rules 2201 and 4309] Federally Enforceable Through Title V Permit
47. CO emissions for source test purposes shall be determined using EPA Method 10 or ARB Method 100. CO emissions during the source test shall be calculated as the arithmetic average of three 30-consecutive-minute test runs. [District Rules 2201 and 4309] Federally Enforceable Through Title V Permit
48. Stack gas oxygen shall be determined using EPA Method 3 or 3A or ARB Method 100. [District Rules 2201 and 4309] Federally Enforceable Through Title V Permit
49. PM<sub>10</sub> emissions from Jamac Fabric Collector DC 2 and venturi scrubber SV2 shall be source tested annually using CARB Method 5, EPA Method 5 (front half), EPA Method 201A in combination with EPA Method 202, or any combination of these methods. Annual source tests shall be conducted at least 6 months after the previous annual source test but not more than 18 months after the previous annual source test. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
50. The permittee shall maintain, and make available for District inspection, all records of required monitoring data and support information for inspection at any time for a period of five years. [District Rule 2520, 9.4.2] Federally Enforceable Through Title V Permit
51. Compliance with permit conditions in the Title V permit shall be deemed compliance with the applicable requirements of District Rule 4202 (as amended 12/17/92). A permit shield is granted from these requirements. [District Rule 2520, 13.2] Federally Enforceable Through Title V Permit
52. Compliance with permit conditions in the Title V permit shall be deemed compliance with the applicable requirements of District Rule 4301. A permit shield is granted from these requirements. [District Rule 2520, 13.2] Federally Enforceable Through Title V Permit
53. Compliance with permit conditions in the Title V permit shall be deemed compliance with the applicable requirements of District Rule 4801 and Kern County Rule 407. A permit shield is granted from these requirements. [District Rule 2520, 13.2] Federally Enforceable Through Title V Permit
54. Operator shall maintain copies of fuel invoices and supplier certifications. [District Rules 1070 and 2201] Federally Enforceable Through Title V Permit
55. 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 Rules 1070, 4305, and 4306] Federally Enforceable Through Title V Permit

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

# San Joaquin Valley Air Pollution Control District

**PERMIT UNIT:** S-1234-21-4

**EXPIRATION DATE:** 03/31/2016

**SECTION:** 28 **TOWNSHIP:** 32S **RANGE:** 24E

**EQUIPMENT DESCRIPTION:**  
PRODUCT DE-DUSTING SYSTEM

## PERMIT UNIT REQUIREMENTS

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1. 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 1/2 or equivalent to 10% opacity. [District NSR Rule] Federally Enforceable Through Title V Permit
2. Additive shall be received in bags and hand dumped into 64 cu.ft. bin with visible emissions less than 10% opacity. [District NSR Rule] Federally Enforceable Through Title V Permit
3. Operation shall include: two 20 hp deduster units #D1 and D2, two 5 hp bucket elevators #E17 and E18, and two 3 hp conveyors #C20 and C21. [District Rule 2010] Federally Enforceable Through Title V Permit
4. Operation shall include: one additive bin with one 2 hp bucket elevator #E19, and one Ultra Industries, model ND-300, dust collector #DC10 equipped with 50 hp blower. [District Rule 2010] Federally Enforceable Through Title V Permit
5. All material transfer points approved shall be enclosed. [District NSR Rule] Federally Enforceable Through Title V Permit
6. Deduster units #D1 and D2 shall be enclosed and vented exclusively to dust collector #DC10. [District NSR Rule] Federally Enforceable Through Title V Permit
7. Total weight of all materials introduced into this permit unit shall not exceed 487.5 tons per day. [District NSR Rule] Federally Enforceable Through Title V Permit
8. PM10 emission rate for permit unit shall not exceed 0.0163 lb-PM10 per ton of material processed. [District NSR Rule and District Rule 4202, 4.0] Federally Enforceable Through Title V Permit
9. Dust collector #DC10 shall be maintained with a minimum filter area of 4,590 sq. ft. [District NSR Rule] Federally Enforceable Through Title V Permit
10. Material removed from dust collector #DC10 shall be handled in a manner preventing entrainment into the atmosphere (less than 10% opacity). [District NSR Rule] Federally Enforceable Through Title V Permit
11. Permittee shall keep accurate records of material processed on a daily basis, and shall make such records readily available for District inspection for a period of at least five years. [District NSR Rule and District Rule 2520, 9.4.2] Federally Enforceable Through Title V Permit
12. Particulate matter emissions shall not exceed the hourly rate as calculated in District Rule 4202 using the equation  $E = 3.59 \times P^{0.62}$  if P is less than or equal to 30 tons per hour, or  $E = 17.31 \times P^{0.16}$  if P is greater than 30 tons per hour. [District Rule 4202, 4.0] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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

13. Visible emissions from each dust collector shall be evaluated using EPA method 22 for a period of at least 6 minutes at least once during each day the dust collector is operated. If visible emissions are observed, corrective action shall be taken to eliminate visible emissions. Corrective action shall include the following: inspecting the dust collector system for for any tears, abrasions, or holes in the filters; inspecting closed duct systems for damage; and repairing or replacing any defective or damaged material. [District Rules 2520, 9.3.2; 4201, 3.0; and 40 CFR 64] Federally Enforceable Through Title V Permit
14. Dust collection system shall be inspected at least quarterly when the unit is not in operation for any tears, abrasions, or holes in the filters; damage to closed duct systems; or any evidence of particulate matter leaks which might interfere with the PM collection efficiency. Any defective or damaged material shall be repaired or replaced as needed. [District Rule 2520, 9.3.2 and 40 CFR 64] Federally Enforceable Through Title V Permit
15. Records of dust collection system maintenance, inspections, and repair shall be maintained. The records shall include identification of the equipment, date of inspection, corrective action taken, and identification of the individual performing the inspection. [District Rule 2520, 9.4.2 and 40 CFR 64] Federally Enforceable Through Title V Permit
16. The permittee shall comply with the compliance assurance monitoring operation and maintenance requirements of 40 CFR 64.7. [40 CFR 64] Federally Enforceable Through Title V Permit
17. The permittee shall comply with the recordkeeping and reporting requirements of 40 CFR 64.9. [40 CFR 64] Federally Enforceable Through Title V Permit
18. If the District or EPA determine that a Quality Improvement Plan is required under 40 CFR 64.7(d)(2), the permittee shall develop and implement the Quality Improvement Plan in accordance with 40 CFR 64.8. [40 CFR 64] Federally Enforceable Through Title V Permit
19. The permittee shall maintain, and make available for District inspection, all records of required monitoring data and support information for inspection at any time for a period of five years. [District Rule 2520, 9.4.2] Federally Enforceable Through Title V Permit
20. Compliance with permit conditions in the Title V permit shall be deemed compliance with the applicable requirements of District Rule 4202 (as amended 12/17/92). A permit shield is granted from these requirements. [District Rule 2520, 13.2] Federally Enforceable Through Title V Permit

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

# San Joaquin Valley Air Pollution Control District

**PERMIT UNIT:** S-1234-26-0

**EXPIRATION DATE:** 03/31/2016

**EQUIPMENT DESCRIPTION:**

CLEANING/MILLING OPERATION #2 INCLUDING TWO BELT CONVEYORS, AND TWO FEED ELEVATORS

## PERMIT UNIT REQUIREMENTS

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1. Universal vibrating screen and roller mill shall vent to venturi scrubber #1. [District NSR Rule] Federally Enforceable Through Title V Permit
2. Feed elevators, enclosed screen and roll mill shall be ventilated to Ultra reverse pulse fabric collector (shared with S-1234-1, '-2, and '-12). [District NSR Rule] Federally Enforceable Through Title V Permit
3. Unloading spillage shall be minimized to prevent fugitive dust emissions. [District NSR Rule] Federally Enforceable Through Title V Permit
4. Scrubber H2O supply shall have operational pressure gauge with pressure differential maintained above 8.5 inches W.C. [District NSR Rule] Federally Enforceable Through Title V Permit
5. Particulate matter concentration at scrubber exhaust shall not exceed 0.027 grains/scf. [District NSR Rule and District Rule 4201, 3.0] Federally Enforceable Through Title V Permit
6. Ultra reverse pulse fabric collector (shared with S-1234-1, '-2, and '-12) shall operate whenever process equipment is operated. [District NSR Rule] Federally Enforceable Through Title V Permit
7. Ventilation system serving feed conveying, elevating, screening and milling equipment shall be adjusted and maintained to prevent visible emissions from the ventilated equipment. [District NSR Rule] Federally Enforceable Through Title V Permit
8. Fines from screen shall be conveyed via closed system only to fines silo listed on PTO #S-1234-1. [District NSR Rule] Federally Enforceable Through Title V Permit
9. Particulate matter (PM10) emissions from this permit unit shall not exceed 5.32 lbm per hour. [District NSR Rule and District Rules 4301, 5.2 and 4202, 4.0] Federally Enforceable Through Title V Permit
10. Particulate matter emissions shall not exceed the hourly rate as calculated in District Rule 4202 using the equation  $E = 3.59 \times P^{0.62}$  if P is less than or equal to 30 tons per hour, or  $E = 17.31 \times P^{0.16}$  if P is greater than 30 tons per hour. [District Rule 4202, 4.0] Federally Enforceable Through Title V Permit
11. Visible emissions from each dust collector shall be evaluated using EPA method 22 for a period of at least 6 minutes at least once during each day the dust collector is operated. If visible emissions are observed, corrective action shall be taken to eliminate visible emissions. Corrective action shall include the following: inspecting the dust collector system for for any tears, abrasions, or holes in the filters; inspecting closed duct systems for damage; and repairing or replacing any defective or damaged material. [District Rules 2520, 9.3.2 and 40 CFR 64] Federally Enforceable Through Title V Permit
12. Dust collection system shall be inspected at least quarterly when the unit is not in operation for any tears, abrasions, or holes in the filters; damage to closed duct systems; or any evidence of particulate matter leaks which might interfere with the PM collection efficiency. Any defective or damaged material shall be repaired or replaced as needed. [District Rule 2520, 9.3.2 and 40 CFR 64] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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

13. Records of dust collection system maintenance, inspections, and repair shall be maintained. The records shall include identification of the equipment, date of inspection, corrective action taken, and identification of the individual performing the inspection. [District Rule 2520, 9.4.1 and 40 CFR 64] Federally Enforceable Through Title V Permit
14. Scrubber pressure differential shall be observed and recorded at least daily during operation of the unit. [District Rule 2520, 9.3.2 and 40 CFR 64] Federally Enforceable Through Title V Permit
15. If scrubber pressure differential is not within the proper range, corrective action shall be taken. Corrective action shall include inspecting scrubber and performing any necessary repairs. [District Rules 2520, 9.3.2 and 40 CFR 64] Federally Enforceable Through Title V Permit
16. Records of scrubber pressure differential observations shall be maintained. The records shall include identification of the equipment, date of inspection, corrective action taken, and identification of the individual performing the inspection. [District Rule 2520, 9.3.2 and 40 CFR 64] Federally Enforceable Through Title V Permit
17. The permittee shall comply with the compliance assurance monitoring operation and maintenance requirements of 40 CFR 64.7. [40 CFR 64] Federally Enforceable Through Title V Permit
18. The permittee shall comply with the recordkeeping and reporting requirements of 40 CFR 64.9. [40 CFR 64] Federally Enforceable Through Title V Permit
19. If the District or EPA determine that a Quality Improvement Plan is required under 40 CFR 64.7(d)(2), the permittee shall develop and implement the Quality Improvement Plan in accordance with 40 CFR 64.8. [40 CFR 64] Federally Enforceable Through Title V Permit
20. PM10 emissions from Ultra reverse pulse fabric collector and venturi scrubber #1 shall be source tested annually using CARB Method 5, EPA Method 5 (front half), EPA Method 201A in combination with EPA Method 202, or any combination of these methods. Annual source tests shall be conducted at least 6 months after the previous annual source test but not more than 18 months after the previous annual source test. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
21. Source testing shall be conducted using the methods and procedures approved by the District. The District must be notified at least 30 days prior to any compliance source test, and a source test plan must be submitted for approval at least 15 days prior to testing. [District Rule 1081] Federally Enforceable Through Title V Permit
22. The results of each source test shall be submitted to the District within 60 days thereafter. [District Rule 1081] Federally Enforceable Through Title V Permit
23. The permittee shall maintain accurate records of hourly process weight. [District Rule 2520, 9.4.1] Federally Enforceable Through Title V Permit
24. The permittee shall maintain, and make available for District inspection, all records of required monitoring data and support information for inspection at any time for a period of five years. [District Rule 2520, 9.4.2] Federally Enforceable Through Title V Permit
25. Compliance with permit conditions in the Title V permit shall be deemed compliance with the applicable requirements of District Rule 4202 (as amended 12/17/92). A permit shield is granted from these requirements. [District Rule 2520, 13.2] Federally Enforceable Through Title V Permit
26. Compliance with permit conditions in the Title V permit shall be deemed compliance with the applicable requirements of District Rule 4301. A permit shield is granted from these requirements. [District Rule 2520, 13.2] Federally Enforceable Through Title V Permit
27. Compliance with permit conditions in the Title V permit shall be deemed compliance with the applicable requirements of District Rule 4801 and Kern County Rule 407. A permit shield is granted from these requirements. [District Rule 2520, 13.2] Federally Enforceable Through Title V Permit

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

# ATTACHMENT C

## Emissions Increases

SSIPE (lb/yr)				
NOx	VOC	CO	SOx	PM10
0	0	0	0	0

# ATTACHMENT D

## Application

March 27, 2013

Permitting Services  
San Joaquin Valley Air Pollution Control District  
34946 Flyover Court  
Bakersfield, CA 93308  
(661) 392-5500

**Subject:** Application for Title V Permit Administrative Amendment

**Facility:** Taft Production Company  
950 N. Petroleum Club  
Taft, CA 93268-1277  
SJVAPCD Facility ID: S-1234

**Dear Permitting Engineer:**

On behalf of Taft Production Company, we are submitting an application for Title V Administrative Amendment to incorporate Permit S-1234-21-5, 2-25 and 26-1 into the current Title V permit. Attached are the required forms and the copy of the Authorities to Construct.

## CONCLUSION

Should you have any questions or concerns, please contact me at (559) 908-6979.

Sincerely,



Carla Prasetyo Jo, PE  
Yorke Engineering, LLC  
(559) 908-6979

cc: Brian Yorke, Yorke Engineering, LLC  
Patrick Gollihar, Taft Production Company  
Nadine Storey, Taft Production Company

**Enclosures:**

1. One (1) TVFORM-008
2. One (1) TVFORM-009
3. ATC S-1234-2-25, 21-5 and 26-1

# San Joaquin Valley Air Pollution Control District

www.valleyair.org

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MAR 27 2013

SJVAPCD  
Southern Region

## Permit Application For:

ADMINISTRATIVE AMENDMENT     MINOR MODIFICATION     SIGNIFICANT MODIFICATION

1. PERMIT TO BE ISSUED TO: Taft Production Company	
2. MAILING ADDRESS:  STREET/P.O. BOX: PO BOX 1277  CITY: Taft STATE: CA 9-DIGIT ZIP CODE: 93268-1277	
3. LOCATION WHERE THE EQUIPMENT WILL BE OPERATED:  STREET: 950 N. Petroleum Club Road CITY: Taft  _____ 1/4 SECTION _____ TOWNSHIP _____ RANGE _____	INSTALLATION DATE:
4. GENERAL NATURE OF BUSINESS: Absorbent mineral processing	
5. DESCRIPTION OF EQUIPMENT OR MODIFICATION FOR WHICH APPLICATION IS MADE (include Permit #'s if known, and use additional sheets if necessary)  Administrative Amendment to incorporate the amendments authorized under S-1234-2-25, 21-5 and 26-1 into the Title V permit	
6. TYPE OR PRINT NAME OF APPLICANT: Patrick Gollihar	TITLE OF APPLICANT: Project Manager
7. SIGNATURE OF APPLICANT:  DATE: 3/27/13	PHONE: (661) 765-7194 FAX: (661) 763-5262 EMAIL: Patrick.Gollihar@Oildri.com

For APCD Use Only: No #

DATE STAMP	FILING FEE RECEIVED: \$ _____ CHECK#: _____
	DATE PAID: _____
	PROJECT NO: <u>S-1131064</u> FACILITY ID: <u>S-1234</u>

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

MAR 27 2013

SJVAPCD  
Southern Region

# San Joaquin Valley Unified Air Pollution Control District

## TITLE V MODIFICATION - COMPLIANCE CERTIFICATION FORM

### I. TYPE OF PERMIT ACTION (Check appropriate box)

- SIGNIFICANT PERMIT MODIFICATION                       ADMINISTRATIVE  
 MINOR PERMIT MODIFICATION     AMENDMENT

COMPANY NAME: Taft Production Company	FACILITY ID: S-1234
1. Type of Organization: <input checked="" type="checkbox"/> Corporation <input type="checkbox"/> Sole Ownership <input type="checkbox"/> Government <input type="checkbox"/> Partnership <input type="checkbox"/> Utility	
2. Owner's Name: Taft Production Company	
3. Agent to the Owner: Patrick Gollihar	

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

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

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

*PK Gollihar*  
Signature of Responsible Official

3/27/13  
Date

Patrick Gollihar  
Name of Responsible Official (please print)

Project Manager  
Title of Responsible Official (please print)