

**PIMA COUNTY DEPARTMENT OF ENVIRONMENTAL QUALITY  
AIR PROGRAM**

**33 N. Stone Avenue, Suite 700 • Tucson, Arizona 85701 • Phone: (520) 724-7400**

**AIR QUALITY OPERATING PERMIT**

(As required by Title 17.12, Article II, Pima County Code)

**ISSUED TO**

**VULCAN MATERIALS COMPANY  
MARANA PLANT  
10100 W AVRA VALLEY ROAD  
MARANA, ARIZONA 85743**

*This air quality operating permit does not relieve applicant of responsibility for meeting all air pollution regulations*

**THIS PERMIT ISSUED SUBJECT TO THE FOLLOWING: Conditions Contained in the Specific Conditions, Additional Permit Requirements and Attachments 1, 2 and 3.**

**PDEQ PERMIT NUMBER 6066**

**PERMIT CLASS II**

**ISSUED OCTOBER 27, 2015**

**EXPIRES OCTOBER 26, 2020**



SIGNATURE

***Rupesh Patel, Air Permit Manager, PDEQ***

TITLE

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## Permit Summary

This five year operating permit provides Vulcan Materials, Co., the Permittee, authority to operate the sand and gravel excavations, crushing and screening operations for the production of sand and rock used in concrete products, an aggregate wash plant to produce decorative rock and a hot mix asphalt plant (HMA) plant. The facility is a Class II, synthetic minor source for Carbon Monoxide (CO) emissions and a true minor source of all other criteria pollutants.

The following emission rates are for reference purposes only and are not intended to be enforced by direct measurement unless otherwise noted in the Specific Conditions of this permit.

Source	Emissions (tons/yr)						
	PM	PM <sub>10</sub>	CO	NO <sub>x</sub>	SO <sub>x</sub>	VOC	HAPs (Total)
All Facility Operations (Potential to Emit) <sup>1</sup>	85.1	52.5	203.1	84.7	88.9	73.8	15.2
All Facility Operations (Controlled Emissions) <sup>2</sup>	25.2	14.8	46.7	19.5	20.5	17.0	3.5

<sup>1</sup> Potential to Emit (PTE) calculations are based on maximum possible operation, 24 hours per day, 365 day per year.

Controlled Emissions based on restricting Crushing and Screening throughput of 1,814,400 tons per year (46% of PTE) and Hot Mix Asphalt throughput of 700,000 tons per year (23% of PTE). Typical operation is based on 14 hours per day, 6 days per week, 48 weeks per year (46% of PTE).

## Specific Conditions

[References are to Title 17 of the Pima County Code [PCC] unless otherwise noted]

### I. Applicability

The facility covered by this permit constitutes a **Class II; Synthetic Minor Stationary Source**. The Specific Conditions address the following categories of equipment:

A. New Source Performance Standards (NSPS) Facilities:

[Crushing and Screening Plant: crushers, grinding mills, screening operations, belt conveyors, storage bins and enclosed truck loading station that commenced construction, reconstruction or modification after **August 31, 1983**]

[Hot Mix Asphalt Plant: dryers, systems for screening, handling, storing, and weighing hot aggregate; systems for loading, transferring, and storing mineral filler, systems for mixing hot mix asphalt and the loading transfer, and storage systems associated with emission control systems that commenced construction, reconstruction or modification after **June 11, 1973.**]

B. Non-NSPS Facilities:

[Wash Plant, Non-NSPS screens, conveyors and conveyor transfer points and stackers,]

C. Facility-Wide Operations

### II. Emission Limits & Standards

[PCC 17.12.185.A.2]

A. NSPS Facilities

**[Federally Enforceable Conditions]**

1. Mineral Aggregate Plant(s)

The provisions of this section are applicable to the NSPS facilities identified in Tables I and III of Attachment 2.

a. Particulate Matter & Opacity Standards

- i. Within 60 days after achieving the maximum production rate, at which the affected facility will be operated, but not later than 180 days after initial startup, the Permittee shall not cause to be discharged into the atmosphere any fugitive emissions from affected facilities in excess of the following limits: [40 CFR 60.672(b)]

(A) For affected facilities that commenced construction, modification, or reconstruction after August 31, 1983 but before April 22, 2008;

1. Greater than 15 percent opacity from crushers at which a capture system is not used, and
2. Greater than 10 percent opacity from affected facilities other than crushers

(B) For affected facilities that commenced construction, modification, or reconstruction after April 22, 2008;

1. Greater than 12 percent opacity from crushers at which a capture system is not used, and
2. Greater than 7 percent opacity from affected facilities other than crushers

ii. The opacity standards in this section shall apply at all times except during periods of startup, shutdown, and malfunction. [40 CFR 60.11(c)]

iii. Movable vehicle (trucks, front end loaders, skip hoist, railcars, etc.) dumping of nonmetallic minerals into any screening operation, feed hopper, or crusher is exempt from the requirements of this section. [40 CFR 60.672(d)]

b. Operation and Maintenance Requirement

At all times, including periods of startup, shutdown, and malfunction, the Permittee shall, to the extent practicable, maintain and operate any affected facility including associated air pollution control equipment in a manner consistent with good air pollution control practice for minimizing emissions. [Table 1 to Subpart OOO & 40 CFR 60.11(d) & PCC 17.16.020.A]

**[Material Permit Condition]**

2. Hot Mix Asphalt Plant

The provisions of this section are applicable to the NSPS facilities identified in Table II of Attachment 2.

a. Particulate Matter Standard

i. On or after the date on which the performance test is required to be conducted, the Permittee shall not discharge or cause the discharge into the atmosphere from any affected facility any gases which: [40 CFR 60.92(a)]

(A) Contain particulate matter in excess of 90 mg/dscm (0.04 gr/dscf); and,

(B) Exhibit 20 percent opacity, or greater.

ii. The Permittee shall control particulate matter emissions from the drum dryer through the use of a fabric filter and/or fabric baghouse. [PCC 17.12.190 .B]

**[Material Permit Condition]**

b. Fuel Limitation

The Permittee may fuel the burner with pipeline quality natural gas, fuel oil No. 2, or on-specification used oil. To meet the classification for on-specification used oil, the fuel shall not exceed the following limits: [40 CFR 279.12 & PCC 17.16.150.B.1 & PCC 17.12.185.A.2].

**[Material Permit Condition]**

Contaminant Limits for On-Specification Used Oil	
Contaminant or Characteristic	Limit (parts per million by weight maximum -ppmw)
Arsenic*	5
Cadmium*	2
Chromium*	10
Lead*	100
Total Halogens**	1,000 ppm or less
PCB's	Less than 2ppm
Flash Point	100°F minimum

\* Note: This specification is for Total Metals, not Total Characteristic Leaching Procedure (TCLP).

\*\* Note: Only for total halogen concentrations 1000 ppm or more for which the presumption of mixing has been successfully rebutted.

c. Concealment of Emissions

The Permittee shall not build, erect, install, or use any article, machine, equipment or process, the use of which conceals an emission which would otherwise constitute a violation of an applicable standard. Such concealment includes, but is not limited to, the use of gaseous diluents to achieve compliance with an opacity standard or with a standard which is based on the concentration of a pollutant in the gases discharged to the atmosphere. [40 CFR 60.12]

B. Non-NSPS Facilities

1. Wash Plant and other Non-NSPS Equipment

The provisions of this section are applicable to the Non-NSPS equipment identified in Tables I and II and III of Attachment 2.

a. Process Weight Determination Requirement

The Permittee shall install, calibrate, maintain, and operate monitoring devices which can be used to determine daily the process weight of gravel or crushed stone produced. The weighing devices shall have an accuracy of  $\pm$  five percent over their operating range. [PCC 17.16.370.F]

**[Material Permit Condition]**

b. Fugitive Emissions Standard

Fugitive emissions from gravel and crushed stone processing plants shall be controlled in accordance with the facility-wide Non-NSPS requirements in II.B.2.b of the Specific Conditions. [PCC 17.16.370.E]

2. Facility-wide Non-NSPS Requirements

a. Pollution Control Requirements

i. The Permittee shall install and operate baghouses on all pneumatically loaded silos according to manufacturers' recommendations and specifications. If there are no manufacturer's recommendations and specifications, the Permittee shall submit an Operations and Maintenance Plan for approval prior to issuance of the permit.

[PCC 17.12.190.B.2]

**[Federally Enforceable & Material Permit Condition]**

- ii. The Permittee shall not cause, suffer, allow, or permit crushing, screening, handling, transporting or conveying of materials or other operations likely to result in significant amounts of airborne dust without taking reasonable precautions, such as the use of spray bars, wetting agents, dust suppressants, covering the load, and hoods (or dust curtains) to prevent excessive amounts of particulate matter from becoming airborne. [PCC 17.16.100.A]

**[Material Permit Condition]**

- iii. The facility shall utilize spray bar pollution controls in accordance with "EPA Control of Air Emissions From Process Operations In The Rock Crushing Industry" (EPA 340/1-79-002), "Wet Suppression System" (pages 15-34), amended as of February, 1979, as incorporated herein by reference and on file with the Office of the Secretary of State, with placement of spray bars and nozzles as required by the Control Officer to minimize air pollution.

[PCC 17.16.370.D]

**[Material Permit Condition]**

b. Fugitive Emissions Standards

- i. The Permittee is responsible for controlling windblown dust, dust from haul roads, and dust emitted from land clearing, earthmoving, demolition, trenching, blasting, road construction, mining, racing event, and other activities, as applicable: [PCC 17.16.060.A]

- ii. Until the area becomes permanently stabilized by paving, landscaping or otherwise, dust emissions shall be controlled by applying adequate amounts of water, chemical stabilizer, or other effective dust suppressant. [PCC 17.16.060.A.1]

- iii. The Permittee shall not leave land in such a state that fugitive dust emissions (including windblown dust or dust caused by vehicular traffic on the area) would violate PCC 17.16.050. [PCC 17.16.060.A.2]

- iv. Dust emissions from the transportation of materials shall be effectively controlled by covering stock loads in open-bodied trucks, limiting vehicular speeds, or other equivalently effective controls. [PCC 17.16.100.C]

- v. The Permittee shall not cause, suffer, allow, or permit organic or inorganic dust producing material to be stacked, piled or otherwise stored without taking reasonable precautions such as chemical stabilization, wetting, or covering to prevent excessive amounts of particulate matter from becoming airborne. [PCC 17.16.110.A]

c. Opacity Standard

Except as otherwise specified in the Specific Conditions, the opacity of all plumes and effluents from all point and non-point sources shall not exceed 20% as determined by EPA Reference Method 9, Appendix A 40 CFR 60. [PCC 17.16.050.B & PCC 17.16.130.B.1]

d. Concealment of Emissions

No person shall construct, install, erect, use, replace, modify, or operate an emission source so as to conceal an emission which would otherwise be a violation of a control standard established herein. Concealment shall include: [PCC 17.20.040]

- i. The use of gaseous diluents to achieve compliance with an opacity standard or with a standard which is based on the concentration of a pollutant in the gases discharged to the atmosphere;
- ii. Operating in a piecemeal fashion to avoid compliance with a standard that would otherwise apply to the source on the basis of its size; and

iii. Operating in a manner, under conditions, or during such times that emissions cannot be observed.

e. Local Rules and Standards - Applicability of More Than One Standard

If more than one emission limit or emission standard is applicable to the same source, the more stringent standard or emission limit shall apply. [PCC 17.16.010.B]

C. Facility-Wide Operations

The provisions of this section are applicable to all operations or activities.

1. Operational Limitations

Total source production shall not exceed 1,814,400 tons of final aggregate product and 700,000 tons of final asphalt product in any twelve-month rolling total. [PCC 17.12.185.A.2 & PCC 17.12.190.B]

**[Federally Enforceable & Material Permit Condition]**

2. Opacity Standard

Except as provided in this permit, the Permittee shall not cause or permit the effluent from a single, multiple, or fugitive emission point to have an average optical density that exceeds 20 percent.

[PCC 17.16.040 & Table 17.16.040]

3. Visibility Limiting Standard

a. The Permittee shall not cause, suffer allow or permit operations or activities likely to result in excessive amounts of airborne dust without taking reasonable precautions to prevent excessive amounts of particulate matter from becoming airborne. [PCC 17.16.050.A]

b. The Permittee shall not cause, suffer, allow or permit diffusion of visible emissions, including fugitive dust, beyond the property boundary line within which the emissions become airborne, without taking reasonably necessary and feasible precautions to control generation of airborne particulate matter. Sources may be required to cease temporarily the activity operation which is causing or contributing to the emissions until reasonable necessary and feasible precautions are taken. [PCC 17.16.050.D]

i. The provisions of II.C.3 of the Specific Conditions do not apply when naturally induced wind speed exceed (25) miles per hour as estimated by a certified visible emissions evaluator using the Beaufort Scale of Wind-Speed equivalents, or as recorded by a U.S. weather bureau station or a U.S. government military installation. This exception does not apply if control measures have not been taken or were not commensurate with the size or scope of the emission source. [PCC 17.16.050.D.2]

ii. This subsection shall not apply to undisturbed land. [PCC 17.16.050.D.3]

4. Odor Limiting Standard

The Permittee shall not emit gaseous or odorous materials from equipment, operations, or premises under his control in such quantities or concentrations as to cause air pollution. [PCC 17.16.030]

5. Facility Changes

Before making any Administrative, Minor or Significant changes, the Permittee shall apply for the appropriate revision pursuant to PCC 17.12.245, PCC 17.12.255 or PCC 17.12.260.



### III. Monitoring Requirements

[PCC 17.12.185.A.3]

#### A. NSPS Facilities

**[Federally Enforceable Conditions]**

##### 1. Mineral Aggregate Plant

###### Particulate Matter, Opacity Standards & Water Suppression System Inspections

- a. To assure compliance with the opacity limitations in II.A.1.a.i of the Specific Conditions, the Permittee shall observe fugitive sources at least once a day while the plant is operating. If the observer sees a plume that, on an instantaneous basis, appears to exceed the applicable opacity standard, or the emissions are crossing property boundaries, then the Permittee shall, if practical conduct an EPA Method 9. If the results exceed the applicable opacity, this shall be recorded and reported as an excess emission and a permit deviation. [PCC 17.12.185.A.3]
- b. For any affected facility for which construction, modification or reconstruction commenced on or after April 22, 2008 that uses wet suppression to control emissions from the affected facility, the Permittee must perform monthly periodic inspections to check that water is flowing to discharge spray nozzles in the wet suppression system. The Permittee must initiate corrective action within 24 hours and complete corrective action as expediently as practical if the Permittee finds that water is not flowing properly during an inspection of the water spray nozzles. The Permittee must record each inspection of the water spray nozzles, including the date of each inspection and any corrective actions taken, in the logbook required under IV.A.2 of the Specific Conditions. [40 CFR 60.674(b)]
  - i. If an affected facility relies on water carryover from upstream water sprays to control fugitive emissions, then that affected facility is exempt from the 5-year repeat testing requirement specified in VI.A.1.b, provided that the affected facility meets the following criteria: [40 CFR 60.674(b)(1) and Table 3 to Subpart OOO]
    - (A) The Permittee of the affected facility conducts periodic inspections of the upstream water spray(s) that are responsible for controlling fugitive emissions from the affected facility. These inspections are conducted according to paragraphs III.A.1.b and IV.A.2 of the Specific Conditions. [40 CFR 60.674(b)(1)(i) & 40 CFR 60.676(b)]
    - (B) The Permittee of the affected facility designates which upstream water spray(s) will be periodically inspected at the time of the initial performance test required in VI.A.1.a of the Specific Conditions. [40 CFR 60.674(b)(1)(ii), 40 CFR 60.11 & 40 CFR 60.675]
  - ii. If an affected facility that routinely uses wet suppression water sprays ceases operation of the water sprays or is using a control mechanism to reduce fugitive emissions other than water sprays during the monthly inspection (for example, water from recent rainfall), the logbook entry required under IV.A.2 of the Specific Conditions must specify the control mechanism being used instead of the water sprays. [40 CFR 60.674(b)(2) & 40 CFR 60.676(b)]

## 2. Hot Mix Asphalt Plant

### a. Particulate Matter Standard

- i. Other than the once-per-permit term requirement in VI.A.2 of the Specific Conditions, tests to show compliance with the emission limitation for particulate matter in II.A.2.a.i.(A) of the Specific Conditions, shall not be required unless the Control Officer has reasons to believe that conditions exist which have the potential to cause a violation of the emission limit. The Permittee shall demonstrate compliance with the emission limit by operating and maintaining the Hot Mix Asphalt Plant at all times - including periods of startup, shutdown, and malfunction - in a manner consistent with good air pollution control practices and consistent with manufacture's guidelines.
- ii. To assure compliance with the opacity limitation in II.A.2.a.i.(B) of the Specific Conditions, the Permittee shall observe all stack emission sources at least once per day while the Hot Mix Asphalt plant is operating. If the observer sees a plume that, on an instantaneous basis, appears to exceed 20 percent or the plume is crossing property boundaries, then the Permittee shall, if practicable, take an EPA Reference Method 9 observation of the plume. If the emissions are 20 percent or more, this shall be recorded and reported as an excess emission and a permit deviation. If no emissions are observed, the records shall reflect this.

### b. Operational Checks

The Permittee shall perform visible emissions checks on the exhaust stack of the CMI baghouse (air pollution control equipment) identified in Table II of Attachment 2 for evidence of visible emissions at least once per day when control equipment is operational. If this daily check shows visible emissions, then the Permittee shall use the procedures of EPA Reference Method 9, Appendix A in 40 CFR 60 to measure opacity for this requirement.

### c. Fuel Limitation

The Permittee shall determine compliance with the used oil fuel specification requirements in II.A.2.b of the Specific Conditions by:

- i. Monitoring the times when used oil was combusted in the drum dryer; and
- ii. Determining the basis for the certification that the contaminant levels in the used oil did not exceed the values listed in II.A.2.b.

### d. Baghouse Inspection

The Permittee shall examine the condition of the bags and baghouse each time maintenance is performed. Baghouse filters shall be checked to ensure they are maintained according to the Permittee's in-house Operations and Maintenance Plan.

## B. Non-NSPS Facilities

### 1. Wash Plant and other Non-NSPS Equipment

#### Process Weight Determination

A specific procedure to determine the daily process weight rate of the material being processed shall not be required unless the Control Officer has reason to believe a violation of the standard in II.B.1.b of the Specific Conditions has been committed. The Permittee may use other established methods to determine process weight rates when required.

## 2. Facility-Wide Non-NSPS Requirements

### a. Baghouse Inspection

The Permittee shall demonstrate compliance with II.B.2.a.i by examining the condition of the bags and baghouse each time that maintenance is performed according to the manufacturers' recommendations and specifications. Baghouse filters shall be checked to ensure they are maintained according to the recommendations and specifications. Observational results of these checks shall be recorded by the Permittee in a log.

### b. Opacity Check

In order to demonstrate compliance with the opacity limitation in II.B.2.c of the Specific Conditions, the Permittee shall conduct a visible emissions check on all point and nonpoint sources at least once a day. If the Permittee sees a plume that, on an instantaneous basis, appears to exceed 20 percent, or the plume is crossing property boundaries, the Permittee shall, if practicable, take an EPA Reference Method 9 observation of the plume and take corrective action to prevent any excess emissions from occurring. If the emissions are 20 percent or more or the emissions cross the property boundary, this shall be recorded and reported as an excess emission and a permit deviation.

## C. Facility-Wide Operations

The provisions of this section are applicable to all permitted operations or activities.

### 1. Operational Limitations

Compliance with II.C.1 shall be demonstrated by the Permittee keeping daily production records used to produce monthly production totals. A rolling, twelve-month total of production tonnage will be created and updated monthly within 14 calendar days of the end of the month.

### 2. Pollution Control

The Permittee shall conduct a visible emissions check on all point and nonpoint sources at least once a day. If the Permittee sees a plume that, on an instantaneous basis, appears to exceed the applicable opacity limit, or the plume is crossing property boundaries, the Permittee shall, if practicable, take an EPA Reference Method 9 observation of the plume and take corrective action to prevent any excess emissions from occurring. If the emissions exceed the applicable opacity limit, or the emissions cross the property boundary, this shall be recorded and reported as an excess emission and a permit deviation.

## IV. Recordkeeping Requirements

[PCC 17.12.185.A.4]

### A. NSPS Facilities

#### Mineral Aggregate Plant and Hot Mix Asphalt Plant

1. The Permittee shall record all monitoring results including EPA reference Method 9 observations, excess emissions and permit deviations. Records of such checks shall include, at a minimum:

[40 CFR 60, Appendix A]

- a. The date and time of the check;
- b. The name of the person conducting the check;

- c. The particular piece of equipment or area being observed; and,
  - d. The results of the check to include whether excessive emissions were observed. If excessive emissions were observed, the record shall include corrective action taken and the results of the required follow-up opacity test.
2. For any affected facility for which construction, modification or reconstruction commenced on or after April 22, 2008 as provided in II.A.1.a.i.(B) and III.A.1.b of the Specific Conditions, the Permittee must record each periodic inspection required under III.A.1.b of the Specific Conditions, including any corrective actions taken, in a logbook (in written or electronic format). The Permittee must keep the logbook onsite and make hard or electronic copies (whichever is requested) of the logbook available to the Control Officer upon request. [40 CFR 60.676(b)]
  3. For the baghouse inspection check required in III.A.2.d of the Specific Conditions, the Permittee shall record all the results of the examinations of the bags and baghouse in a log including the date of the check, the name of the operator making the check, the condition of the filters, and any repairs or replacements made. [PCC 17.12.185.A.4]

## B. Non-NSPS Facilities

### Wash Plant and Facility-Wide Non-NSPS

#### 1. Calibration and Maintenance

When required, the Permittee shall maintain all calibration and maintenance records of the monitoring devices used to determine compliance with II.B.1.a of the Specific Conditions.

#### 2. Production Rates

When required, the owner or operator of any affected facility shall maintain a record of daily production rates of gravel or crushed stone produced. [PCC 17.16.370.G]

## C. Facility-Wide Operations

The provisions of this section are applicable to all other permit operations or activities not specifically identified in IV.A, IV.B and IV.C of the specific conditions.

#### 1. Operational Limitations

The Permittee shall maintain a record of the rolling total production detailed in III.C.1.

#### 2. Pollution Control

The Permittee shall record all other visible emissions checks of the facility plant equipment, supporting equipment and general plant site at least once per day. Records of such checks shall include at minimum the information listed in IV.A.1 of the Specific Conditions.

#### 3. Retention of Records

The Permittee shall retain records of all required monitoring and support information for at least 5 years from the date of the monitoring sample, measurement, report, or application. Support information includes copies of all reports required by the permit. [PCC 17.12.185.4.b]

4. The Permittee shall maintain a copy of the permit and at least two of the most recent years of the required monitoring records and support information onsite. In addition, all equipment identified in the permit equipment list shall be marked with a unique, clearly visible, and accessible ID to identify the piece of equipment. The Permittee shall be considered in compliance by demonstrating that sufficient information on the equipment and facility operations is periodically collected, recorded, and maintained to assure that the compliance status of any specific condition of this permit can be readily ascertained at any time. The information shall be retained for at least five years. [PCC 17.12.080 & PCC 17.24.020.A]

## V. Reporting Requirements

[PCC 17.12.185.A.5]

### A. NSPS Facilities

**[Federally Enforceable Conditions]**

#### Mineral Aggregate Plant and Hot Mix Asphalt Plant

##### 1. Performance Tests

- a. The Permittee shall submit written reports of the results of all performance tests conducted to demonstrate compliance with the standards set forth in II.A.1.a and II.A.2.a.i of the Specific Conditions. [40 CFR 60.676(f)]
- b. The reports shall be received no later than 30 days after completion of the test.

##### 2. Notification Requirement

The Permittee shall furnish the Control Officer written notification or, if acceptable to both the Control Officer and the Permittee, electronic notification, as follows:

- a. A notification of any physical or operational change to an existing facility which may increase the emission rate of any air pollutant to which a standard applies, unless that change is specifically exempted. This notice shall be postmarked 60 days or as soon as practicable before the change is commenced and shall include information describing the precise nature of the change, present and proposed emission control systems, productive capacity of the facility before and after the change, and the expected completion date of the change. The Control Officer may request additional relevant information subsequent to this notice. [40 CFR 60.7(a)(4)]
- b. When an existing facility is replaced by a piece of equipment of equal or smaller size, having the same function as the existing facility, and there is no increase in the amount of emissions, the following capacities must be submitted to Control Officer for both the replaced equipment and the replacement equipment: [40 CFR 60.676(a)]
  - i. Tons per hour;
  - ii. Total surface area of screen tops;
  - iii. Width of conveyor belts;
  - iv. Storage tons for bins
- c. Any screening operation, bucket elevator, or belt conveyor that processes saturated material and subsequently processes unsaturated materials, shall be reported by Permittee to the Control Officer within 30 days following such change. At the time of such change, the screening operation, bucket elevator, or belt conveyor becomes subject to II.A.1.a of the Specific Conditions and the collateral Monitoring, Recording keeping, Reporting and Testing. [40 CFR 60.676(g)]

B. Non-NSPS Facilities

Wash Plant and Facility-Wide Non-NSPS Requirements

See Additional Permit Requirements.

C. Facility-Wide Operations

The provisions of this section are applicable to all other permit operations or activities not specifically identified in V.A, V.B and V.C of the Specific Conditions.

See Additional Permit Requirements.

**VI. Testing Requirements**

[PCC 17.12.050 & PCC 17.20.010]

For purposes of demonstrating compliance, these test methods shall be used, provided that for the purpose of establishing whether or not the facility has violated or is in violation of any provision of this permit, nothing in this permit shall preclude the use, including the exclusive use, of any credible evidence or information relevant to whether a source would have been in compliance with applicable federal requirements if the appropriate performance or compliance procedures or methods had been performed.

A. NSPS Facilities

**[Federally Enforceable Conditions]**

1. Mineral Aggregate Plant

a. Initial Testing

Unless the initial visual observation test has been conducted previously, within 60 days after achieving the maximum production rate at which the affected facility will be operated but no later than 180 days after initial startup of the facility, the Permittee shall demonstrate initial compliance with the applicable opacity limits for fugitive emissions contained in II.A.1.a.i of the Specific Conditions by conducting opacity observations for each affected facility according to 40 CFR 60.11 and the test methods and procedures in VI.A.1.c through e of the Specific Conditions.

[40 CFR 60.11(e)(1), 40 CFR.672(b)]

b. Repeat Testing

For any affected facility for which construction, modification or reconstruction commenced on or after April 22, 2008, unless exempt from repeat testing as provided in III.A.1.b.i, the Permittee shall conduct a repeat performance test within 5 years from the previous performance test for fugitive emissions from affected facilities without water sprays according to 40 CFR 60.11 and the test methods and procedures in VI.A.1.c through e of Specific Conditions

[Table 3 to Subpart 000]

c. Testing Conditions and Notification

i. Performance tests shall be conducted under such conditions as the Control Officer shall specify to the plant operator based on representative performance of the affected facility. The Permittee shall make available to the Control Officer such records as may be necessary to determine the conditions of the performance tests. Operations during periods of startup, shutdown, and malfunction shall not constitute representative conditions for the purpose of a performance test nor shall emissions in excess of the level of the applicable emission limit during periods of startup, shutdown, and malfunction be considered a violation of the applicable emission limit unless otherwise specified in the applicable standard.

[40 CFR 60.8(c)]

- ii. The owner or operator of an affected facility shall provide the Control Officer at least seven (7) days prior notice of any performance test required in VI.A.1 to afford the Control Officer the opportunity to have an observer present. If there is a delay (due to operational problems, etc.) in conducting the scheduled performance test, the owner or operator of an affected facility shall notify the Control Officer as soon as possible of any delay in the original test date, either by providing at least seven (7) days prior notice of the rescheduled date of the performance test, or by arranging a rescheduled date with the Control Officer (or delegated State or local agency) by mutual agreement.

[40 CFR 60.8(d) & 40 CFR 675(g)]

d. Opacity Testing Standards

In determining compliance with the opacity standards in II.A.1.a of the Specific Conditions, the Permittee shall use EPA Reference Method 9, Appendix A in 40 CFR with the following additions:

[40 CFR 60.675(c)(1)]

- i. The minimum distance between the observer and the emission source shall be 4.57 meters (15 feet). [40 CFR 60.675(c)(1)(i)]
- ii. The observer shall, when possible, select a position that minimizes interference from other fugitive emission sources (e.g., road dust). The required observer position relative to the sun (Method 9, Section 2.1) must be followed [40 CFR 60.675(c)(1)(ii)]
- iii. For affected facilities using wet dust suppression for particulate matter control, a visible mist is sometimes generated by the spray. The water mist must not be confused with particulate matter emissions and is not to be considered a visible emission. When a water mist of this nature is present, the observation of emissions is to be made at a point in the plume where the mist is no longer visible. [40 CFR 60.675(c)(1)(iii)]
- iv. The duration of the Method 9 observations must be 30 minutes (five 6-minute averages). [40 CFR 60.675(c)(3)]

e. Performance Test Exemptions

- i. When an existing facility is replaced by a piece of equipment of equal or smaller size, having the same function as the existing facility and there is no increase in the amount of emissions, the new facility is exempt from performance testing, but the Permittee must follow the procedures detailed in II.C.5 & V.A.2.b of the Specific Conditions. [40 CFR 60.670(d)(1)]
- ii. The Permittee shall not qualify for the exemption if all of the existing facilities in a production line are replaced with new facilities. [40 CFR 60.670(d)(3)]

2. Hot Mix Asphalt Plant

Particulate Matter

The Permittee shall determine compliance with the particulate matter standards in II.A.2.a of the Specific Conditions as follows: [40 CFR 60.93(b)]

- a. Once per permit term, EPA Reference Method 5 shall be used to determine the particulate matter concentration. The sampling time and sample volume for each run shall be at least 60 minutes and 0.90 dscm (31.8 dscf).
- b. EPA Reference Method 9, Appendix A in 40 CFR 60 and the procedures in 40 CFR 60.11 shall be used to determine opacity.

- c. The Permittee shall provide the Control Officer at least 30 days prior notice of any performance test required in VI.A.2 of the Specific Conditions. [40 CFR 60.8(c)]
- d. Each performance test shall consist of three separate runs using the applicable test method. Each run shall be conducted for the time and under the conditions specified in this section. For the purpose of determining compliance with an applicable standard, the arithmetic means of results of the three runs shall apply. In the event that a sample is accidentally lost or conditions occur in which one of the three runs must be discontinued because of forced shutdown, failure of an irreplaceable portion of the sample train, extreme meteorological conditions, or other circumstances, beyond the owner or operator's control, compliance may, upon the Control Officer's approval, be determined using the arithmetic mean of the results of the two other runs. [40 CFR 60.8(f)]

B. Non-NSPS Facilities

Wash Plant and Facility-Wide Non-NSPS Equipment/Processes

Opacity

When required, the Permittee shall perform EPA Method 9 visible emissions observations on the facility operations to demonstrate compliance with the opacity standard.

C. Facility-Wide Operations

1. Opacity

When required, the Permittee shall perform EPA Method 9 visible emissions observations on the facility operations to demonstrate compliance with the opacity standard.

2. Alternative Test Method

The Permittee may submit an alternate and equivalent test method(s) that is listed in 40 CFR Subpart 60, Appendix A, to the Control Officer in a test plan, for approval by the Control Officer. [PCC 17.12.045.D]



## Additional Permit Requirements

### I. Compliance with Permit Conditions

[PCC 17.12.185.A.7.a & b]

- A. The Permittee shall comply with all conditions of this permit including all applicable requirements of Arizona air quality statutes and the air quality rules. Any permit noncompliance constitutes a violation of the Arizona Revised Statutes and is grounds for enforcement action; for permit termination, revocation and reissuance, or revision; or for denial of a permit renewal application. In addition, noncompliance with any federally enforceable requirement constitutes a violation of the Clean Air Act.
- B. The Permittee shall report to the Control Officer any emissions in excess of the limits established by this permit. The report shall be in 2 parts as specified below: [PCC 17.12.185.A.5 & PCC 17.12.040]
  - 1. Notification by telephone or facsimile within 24 hours of the time the Permittee first learned of the occurrence of excess emission that includes all available information from 17.12.040.B. The number to report excess emissions is **520-724-7400**. The facsimile number is **520-838-7432**.
  - 2. Detailed written notification by submission of an excess emissions report within 72 hours of the notification under I.B.1 above. **Send to PDEQ 33 N. Stone Avenue, Suite 700, Tucson, Arizona 85701.**
- C. It shall not be a defense for a Permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit.
- D. The permit does not convey any property rights of any sort, or any exclusive privilege to the permit holder.
- E. The Permittee shall pay fees to the Control Officer pursuant to PCC 17.12.520. [PCC 17.12.185.A.9 & PCC 17.12.520]

### II. Permit Revision, Reopening, Revocation and Reissuance, or Termination for Cause

[PCC 17.12.185.A.7.c]

The permit may be revised, reopened, revoked and reissued, or terminated for cause pursuant to PCC 17.12.270. The filing of a request by the Permittee for a permit revision, revocation and reissuance, or termination; or of a notification of planned changes or anticipated noncompliance does not stay any permit condition.

### III. Duty to Provide Information

[PCC 17.12.165.G & PCC 17.12.185.A.7.e]

- A. The Permittee shall furnish to the Control Officer, within a reasonable time, any information that the Control Officer may request in writing to determine whether cause exists for revising, revoking and reissuing, or terminating the permit or to determine compliance with the permit. Upon request, the Permittee shall also furnish to the Control Officer copies of records required to be kept by the permit. For information claimed to be confidential, the Permittee shall furnish a copy of such records to the Control Officer along with a claim of confidentiality.
- B. If the Permittee has failed to submit any relevant facts or if the Permittee has submitted incorrect information in the permit application, the Permittee shall, upon becoming aware of such failure or incorrect submittal, promptly submit such supplementary facts or corrected information.

### IV. Severability Clause

[PCC 17.12.185.A.6]

The provisions of this permit are severable. If any provision of this permit is held invalid, the remainder of this permit shall not be affected thereby.

## Attachment 1: Applicable Regulations

### Code of Federal Regulations

#### Chapter 40 Part 60:

Subpart A	General Provisions
Subpart I	Standards of Performance for Hot Mix Asphalt Facilities.
Subpart OOO	Standards of Performance for Nonmetallic Mineral Processing Plants

#### Chapter 40 Part 279:

Subpart B	Standards for the Management of Used Oil
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### Pima County Code Title 17, Chapter 17.12:

17.12.010	Statutory authority
17.12.020	Planning, Constructing, or operating without a permit
17.12.040	Reporting requirements
17.12.045	Test methods and procedures
17.12.050	Performance tests
17.12.165	Permit application processing procedures for Class II and Class III permits
17.12.185	Permit contents for Class II and Class III permits
17.12.190	Permits containing synthetic emission limitations and standards
17.12.235	Facility changes that require a revision
17.12.240	Procedures for certain changes that do not require a permit revision Class II or Class III
17.12.255	Minor permit revisions
17.12.260	Significant permit revisions
17.12.520	Fees related to Class II and Class III permits

### Pima County Code Title 17, Chapter 17.16:

17.16.010	Local rules and standards; Applicability of more than one standard
17.16.020	Noncompliance with applicable standards
17.16.030	Odor limiting standard
17.16.050	Visibility limiting standard
17.16.060	Fugitive dust producing activities
17.16.100	Particulate materials
17.16.110	Storage piles
17.16.130	Applicability
17.16.150	Hazardous waste, hazardous waste fuel, used oil, and used oil fuel burning
17.16.370	Standards of Performance for Gravel or Crushed Stone Processing Plants

### Pima County Code Title 17, Chapter 17.20:

17.20.010	Source sampling, monitoring and testing
17.20.040	Concealment of emissions

### Pima County Code Title 17, Chapter 17.24:

17.24.020	Recordkeeping for compliance determination
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**Attachment 2: Equipment List**

**Table I: Crushing and Screening Plant**

Equipment ID	Description	Manufacturer	Model	Serial No.	Max Capacity (Tons/hr)	Date of MFR	NSPS Y/N	Opacity Limit <sup>1</sup> , %
70114	Crusher	Symmons	4-1/4" Sto.	4119	350 TPH	1966	N	20
70227	Cone Crusher	JCI	1400LS	01R01C54S	350 TPH	2000	Y	15
70229	Crusher Cone	JCI-Kodiak	300	00C 01 k300	350 TPH	2000	Y	15
71005	Screen	Hewitt Robins	6x16 TD-V-14	C70589201	350 TPH	1999	Y	10
71510	MA Screen	JCI	6x20 TD	01FS10C32	500 TPH	2001	Y	10
71548	Primary Screen	JCI	Not Available	Not Available	700 TPH	2001	Y	10
71590	Screen	THU	6x20 TD	10046-1	700 TPH	1997	Y	10
73700	Bin Feeder	Shopmade	Not Available	Not Available	Not Available	2000	N	20
73820	Conveyor/Stacker	Kohlberg	36xT	403493	700 TPH	2000	Y	10
73940	Bin Feeder	Shopmade	Not Available	Not Available	Not Available	2000	N	20
75836	Conveyor	Reuter	30x30	Not Available	Not Available	2000	Y	10
78241	Lime Silo w baghouse	CMI	MFS-700	Not Available	50 Tons	1997	N	20
78482	Pug Mill	Pugmill Syst.	750	1565-750-B2	750 TPH	2010	N	20
79013	Conveyor	Shopmade	30xT	10-30T-98-2350	250 TPH	2000	N	10
79609	Conveyor	Reuter	30x50	107SE	500 TPH	2001	Y	10
79627	Conveyor	Power Ind.	36x100	100-05	300 TPH	2000	Y	10
79633	Conveyor	Reuter	30xC	3060-0403	100 TPH	2003	Y	10
79634	Conveyor	Shopmade	36xT	N23213	850 TPH	2000	Y	10
79638	Conveyor/Stacker	Reuter	30xC	30-60-0800-3	100 TPH	2000	Y	10
79668	Conveyor	Reuter	36x60	366-0899-4	700 TPH	1999	Y	10
79749	Conveyor	Shopmade	36xC	Not Available	700 TPH	2005	Y	10
79782	Conveyor	Shopmade	30xC	Not Available	500 TPH	2005	Y	10
<b>79821</b>	<b>Conveyor</b>	<b>Reuter</b>	<b>30xC</b>	<b>1201-7</b>	<b>100 TPH</b>	<b>2010</b>	<b>Y</b>	<b>7</b>
79826	Conveyor	Reuter	30xC	3060-0599-4	500 TPH	2001	Y	10
79830	Conveyor	Reuter	36xC	3660-0901-10	700 TPH	2002	N	10

CFM = Cubic Feet per Minute; TPH = Tons per Hour; MFR = Date of Manufacture; **Bold equipment indicates NSPS affected facilities for which construction, modification, or reconstruction commenced after April 22, 2008 that are subject to additional monitoring and testing requirements.**

Pursuant to 40 CFR 60.670(a)(1), the Bin Feeders are not NSPS affected equipment and thus are not subject to the emission limits and standards of the subpart. The Feeders are, however, subject to the facility-wide emission limits and standards identified in this permit.

Equipment Listed under Crushing and Screening may also be used in Wash Plant to convey wet material only

**Table I: Crushing and Screening Plant -Continued**

Equipment ID	Description	Manufacturer	Model	Serial No.	Max Capacity (Tons/hr)	Date of Manufacture	NSPS Y/N	Opacity Limit, %
<b>79837</b>	<b>Conveyor</b>	<b>Reuter</b>	<b>36x60</b>	<b>3660-0800-1</b>	<b>700 TPH</b>	<b>2008</b>	<b>NSPS</b>	<b>7</b>
79838	Conveyor	Reuter	30xC	3060-0701-7	300 TPH	1999	NSPS	10
<b>79857</b>	<b>Conveyor</b>	<b>Shopmade</b>	<b>36xC</b>	<b>36-225-2282-6071</b>	<b>700 TPH</b>	<b>2010</b>	<b>NSPS</b>	<b>7</b>
<b>79890</b>	<b>Conveyor</b>	<b>Reuter</b>	<b>30xC</b>	<b>3060-0505-1</b>	<b>300 TPH</b>	<b>2010</b>	<b>NSPS</b>	<b>7</b>
<b>79947</b>	<b>Conveyor</b>	<b>Western</b>	<b>36xT</b>	<b>STK303624</b>	<b>700 TPH</b>	<b>2008</b>	<b>NSPS</b>	<b>7</b>
<b>79948</b>	<b>Conveyor</b>	<b>Reuter</b>	<b>36xC</b>	<b>STK5603624</b>	<b>450 TPH</b>	<b>2008</b>	<b>NSPS</b>	<b>7</b>
<b>79949</b>	<b>Stacker</b>	<b>Western</b>	<b>36xT</b>	<b>RAD8026300</b>	<b>700 TPH</b>	<b>2008</b>	<b>NSPS</b>	<b>7</b>
82026	Stacker	Spalding	30xT	Not Available	250 TPH	2003	NSPS	10
<b>82043</b>	<b>Conveyor</b>	<b>Reuter</b>	<b>30x60</b>	<b>Not Available</b>	<b>250 TPH</b>	<b>2010</b>	<b>NSPS</b>	<b>7</b>
<b>82045</b>	<b>Conveyor</b>	<b>Shopmade</b>	<b>24xC</b>	<b>Not Available</b>	<b>500 TPH</b>	<b>2010</b>	<b>NSPS</b>	<b>7</b>
<b>82047</b>	<b>Conveyor</b>	<b>Shopmade</b>	<b>48xC</b>	<b>Not Available</b>	<b>700 TPH</b>	<b>2010</b>	<b>NSPS</b>	<b>7</b>
<b>82049</b>	<b>Conveyor</b>	<b>Shopmade</b>	<b>48xC</b>	<b>Not Available</b>	<b>700 TPH</b>	<b>2010</b>	<b>NSPS</b>	<b>7</b>
<b>82050</b>	<b>Conveyor</b>	<b>Reuter</b>	<b>36xC</b>	<b>3660-0406-1</b>	<b>600 TPH</b>	<b>2010</b>	<b>NSPS</b>	<b>7</b>
82053	Feeder	Shopmade	24xC	Not Available	450 TPH	2010	N/A	20
<b>82054</b>	<b>Conveyor</b>	<b>Shopmade</b>	<b>30xC</b>	<b>Not Available</b>	<b>600 TPH</b>	<b>2010</b>	<b>NSPS</b>	<b>7</b>
<b>82055</b>	<b>Conveyor</b>	<b>Shopmade</b>	<b>24xC</b>	<b>Not Available</b>	<b>450 TPH</b>	<b>2010</b>	<b>NSPS</b>	<b>7</b>
<b>82056</b>	<b>Conveyor</b>	<b>Shopmade</b>	<b>48xC</b>	<b>3660-0605</b>	<b>450 TPH</b>	<b>2010</b>	<b>NSPS</b>	<b>7</b>
<b>82057</b>	<b>Conveyor</b>	<b>Shopmade</b>	<b>48xC</b>	<b>Not Available</b>	<b>450 TPH</b>	<b>2010</b>	<b>NSPS</b>	<b>7</b>
<b>82058</b>	<b>Conveyor</b>	<b>Shopmade</b>	<b>48xC</b>	<b>Not Available</b>	<b>450 TPH</b>	<b>2010</b>	<b>NSPS</b>	<b>7</b>
<b>82059</b>	<b>Conveyor</b>	<b>Shopmade</b>	<b>36xC</b>	<b>Not Available</b>	<b>700 TPH</b>	<b>2010</b>	<b>NSPS</b>	<b>7</b>
<b>82062</b>	<b>Conveyor</b>	<b>Reuter</b>	<b>30xC</b>	<b>3060-1201-2</b>	<b>300 TPH</b>	<b>2010</b>	<b>NSPS</b>	<b>7</b>
<b>82065</b>	<b>Conveyor</b>	<b>Shopmade</b>	<b>30xC</b>	<b>3060-1201-4</b>	<b>300 TPH</b>	<b>2010</b>	<b>NSPS</b>	<b>7</b>
<b>82073</b>	<b>Conveyor</b>	<b>Reuter</b>	<b>30xC</b>	<b>3030-0805-5</b>	<b>300 TPH</b>	<b>2010</b>	<b>NSPS</b>	<b>7</b>
<b>82251</b>	<b>Conveyor</b>	<b>Shopmade</b>	<b>36x1100</b>	<b>Not Available</b>	<b>700 TPH</b>	<b>2012</b>	<b>NSPS</b>	<b>7</b>
<b>85093</b>	<b>Conveyor</b>	<b>Reuter</b>	<b>30xC</b>	<b>3060-0805-3</b>	<b>300 TPH</b>	<b>2010</b>	<b>NSPS</b>	<b>7</b>

CFM = Cubic Feet per Minute; TPH = Tons per Hour; **Bold equipment indicates NSPS affected facilities for which construction, modification, or reconstruction commenced after April 22, 2008 that are subject to additional monitoring and testing requirements.**

Pursuant to 40 CFR 60.670(a)(1), the Bin Feeders are not NSPS affected equipment and thus are not subject to the emission limits and standards of the subpart. The Feeders are, however, subject to the facility-wide emission limits and standards identified in this permit.

Equipment Listed under Crushing and Screening may also be used in Wash Plant to convey wet material only.

**Table II: Hot Mix Asphalt Plant**

Equipment ID	Description	Manufacturer	Model	Serial No.	Max Capacity (Tons/hr)	Date of Manufacture	NSPS Y/N	Opacity Limit , %
13233	Conveyor	Reuter	30xC	3030-0500-1	350 TPH	2010	N/A	20
71509	Scalping Screen	Simco	Not Available	22092	350 TPH	1997	N/A	20
73762	Conveyor	CMI	Not Available	190	350 TPH	1997	N/A	20
73763	Conveyor	CMI	Not Available	2BCF001	350 TPH	1997	N/A	20
73785-73788	4-Bin Feeder	CMI	Not Available	190	Not Available	1997	N/A	20
73789-73790	2-Bin Feeder	Morse	Not Available	190	Not Available	1997	N/A	20
73938	RAP Feeder	Shopmade	Not Available	88/110	Not Available	2000	N/A	20
73939	RAP Feeder	Shopmade	Not Available	88/110	Not Available	2000	N/A	20
74087	Baghouse	CMI	RA 4-48	125	67000 CFM	1997	NSPS	20
78234	Drum Dryer (waste oil)	CMI	Not Available	121	350 TPH	1997	NSPS	20
78235	Asphalt Heater (propane)	Gencor	Not Available	4121197	2 MMBTU	2002	N/A	20
78237	Lime Silo w/ baghouse	CMI	MFS-700	116	50 Tons	1997	NSPS	20
78242	Pug Mill	Saguaro	Not Available	Not Available	350 TPH	1997	NSPS	
78432	Asphalt Silo	Gencor	Not Available	200TD-150-1772-0	200 Tons	2003	NSPS	20
78433	Asphalt Silo	Gencor	Not Available	200TD-150-1772-0	200 Tons	2003	NSPS	20
78435	Drag Slat Conveyor	Gencor	FAAB-0063-44761	400 TPHSC-01-1708-03-NA	400 TPH	2003	NSPS	20
79204	Conveyor	Shopmade	24xT	145-24T88	350 TPH	1988	NSPS	20
79631	Conveyor	CMI	N/A	3030-0597-1	350 TPH	1997	NSPS	20
79632	Conveyer	CMI	Not Available	Not Available	350 TPH	1997	NSPS	20
79763	2-Bin Feeder	Morse	Not Available	2 BFC 001	Not Available	1997	N/A	20
79901	Transverse Conveyor	Gencor	VAAB-0044-45139	400 TPHSC-16 - 1707-03-NA	350 TPH	2003	N/A	20
82186	RAP Collector	Shopmade	24xT	88/110	300 TPH	2000	N/A	20
13225	A C Oil Tank	Heatec	Not Available	H89-215	25000 Gal.	1987	N/A	20
49352	A C Oil Tank	CMI	Not Available	310	20000 Gal	1997	N/A	20
49352	Burner Fuel Tank	CMI	Not Available	310	10000 Gal.	1987	N/A	20

CFM = Cubic Feet per Minute; TPH = Tons per Hour;

**Table III: Wash Plant**

Equipment ID	Description	Manufacturer	Model	Serial No.	Max Capacity (Tons/hr)	Date of Manufacture	Spray nozzle location	NSPS Y/N
70651	Blade Mill	Mclannahan	44x32 DSC	20003065	400 TPH	1995	N/A	N/A
70711	Sand Screw	Eagle Iron	44x32 DSF	16509	300 TPH	2010	N/A	N/A
70712	Blade Mill	Eagle Iron	Not Available	16214	400 TPH	2003	N/A	N/A
70732	Dewatering Screen	LPT	6x12	V0302006	250 TPH	2007	N/A	N/A
71116	Screen	Svedala	8x16 TDI	26A170	400 TPH	1968	N/A	N/A
71550	Screen	JCI	6x20 TD	O2L-PO7-D-32	350 TPH	2002	N/A	Unknown
72995	Feeder	Shopmade	42xT	Not Available	400 TPH	2007	N/A	N/A
73819	Feeder	Reuter	Not Available	3612-0102	400 TPH	2002	N/A	N/A
79726	Conveyor	Reuter	30xC	Not Available	400 TPH	2000	N/A	Unknown
79822	Conveyor	KPI	30xC	Not Available	250 TPH	2010	N/A	Unknown
79905	Conveyor	Shopmade	36xT	Not Available	400 TPH	2003	N/A	Unknown
79911	Conveyor	Shopmade	30xC	Not Available	250 TPH	2010	N/A	Unknown
82061	Conveyor	Reuter	30xC	3060-0402-1	60 TPH	2010	N/A	Unknown
82063	Conveyor	Superior	36xC	U8035 2007	100 TPH	2010	N/A	Unknown

TPH = Tons per Hour;

Pursuant to 40 CFR 60.670(a)(1), the Bin Feeders are not NSPS affected equipment and thus are not subject to the emission limits and standards of the subpart. The Feeders are, however, subject to the facility-wide emission limits and standards identified in this permit.

Pursuant to 40 CFR 60.670(a)(2), the NSPS provisions do not apply to facilities in wet processing operations that process saturated material. However, facilities that process materials prior to the pre-material saturation point are subject to NSPS provisions.

**Table IV: Inactive Equipment (Spares that may be exchanged with other equipment)**

Equipment ID	Description	Manufacturer	Model	Serial No.	Max Capacity (Tons/hr)	Date of Manufacture	NSPS Y/N
70228	Jaw Crusher	Pioneer-Kohlberg	30x42	402998	850 TPH	2000	NSPS
70677	Sand Screw	Kohlberg	44x32 SSF	402592	300 TPH	2010	N/A
71512	Screen	JCI	7x20 TD	00LP013J38	850 TPH	2001	NSPS
75887	Jaw Crusher	Pioneer	Not Available	Not Available	700 TPH	2000	NSPS
79612	Conveyor	Shopmade	30x100	100-02	850 TPH	1999	NSPS
79614	Conveyor	Shopmade	30x100	100-04	300 TPH	2000	NSPS
79629	Conveyor	Shopmade	30x150	N23298	850 TPH	2000	NSPS
79635	Conveyor	Shopmade	36x104 36xT	9-36-7817-AA	850 TPH	2000	NSPS
79636	Conveyor	SLS	36xT	9-36-7818-AA	850 TPH	2000	NSPS
79637	Conveyor	Shopmade	N/A	9-36-7811-AA	850 TPH	2000	NSPS
79639	Conveyor	Shopmade	36x2500	N23311	850 TPH	2004	NSPS
79656	Conveyor	Shopmade	36xT	36-7851-AA	850 TPH	2005	NSPS
79657	Conveyor	Shopmade	36x104	9-36-7809-AA	850 TPH	2001	NSPS
79659	Conveyor	THR	36x136	1541	850 TPH	2005	NSPS
79727	Conveyor	Reuter	30x245	3660-0406-1	450 TPH	2000	NSPS
79728	Conveyor	Shopmade	36x80	Not Available	450 TPH	2000	NSPS
79729	Conveyor	Reuter	30xC	3030-0102-1	850 TPH	2005	NSPS
79730	Conveyor	JCI	42x25	Not Available	450 TPH	2000	NSPS
79731	Conveyor	Reuter	30x60	Not Available	300 TPH	2000	NSPS
79732	Conveyor	Reuter	30x60	Not Available	100 TPH	2000	NSPS
79733	Stacker	Reuter	30x60	Not Available	100 TPH	2000	NSPS
79734	Stacker	Reuter	30x60	Not Available	60 TPH	2000	NSPS
79735	Conveyor	Reuter	30x30	Not Available	250 TPH	2000	NSPS
79748	Conveyor	Shopmade	36xC	Not Available	700 TPH	2005	NSPS
79824	Stacker	Reuter	30x60	Not Available	40 TPH	2000	NSPS
79825	Stacker	Superior	36x60	Not Available	100 TPH	2006	NSPS

CFM = Cubic Feet per Minute; TPH = Tons per Hour;

Equipment Listed under Crushing and Screening may also be used in the Wash Plant to convey saturated wet material without requiring any compliance testing.

Pursuant to 40 CFR 60.670(a)(2), the NSPS provisions do not apply to facilities in wet processing operations that process saturated material. However, facilities that process materials prior to the pre-material saturation point are subject to NSPS provisions.

**Table IV: Inactive Equipment (Spares that may be exchanged with other equipment) - Continued**

Equipment ID	Description	Manufacturer	Model	Serial No.	Max Capacity (Tons/hr)	Date of Manufacture	NSPS Y/N
79827	Conveyor	Reuter	30x60	Not Available	500 TPH	2000	NSPS
79829	Conveyor	Reuter	30x60	Not Available	250 TPH	2002	NSPS
<b>79856</b>	<b>Conveyor</b>	<b>Shopmade</b>	<b>36xC</b>	<b>36-225-2281-6071</b>	<b>700 TPH</b>	<b>2010</b>	<b>NSPS</b>
79870	Stacker	Reuter	30x60	Not Available	100 TPH	2000	NSPS
79885	Conveyor	JCI	48x16	Not Available	100 TPH	2000	NSPS
<b>82060</b>	<b>Conveyor</b>	<b>Shopmade</b>	<b>30xC</b>	<b>Not Available</b>	<b>300 TPH</b>	<b>2010</b>	<b>NSPS</b>
85088	Feeder	Kohlberg	42x20	403303	Not Available	Not Available	N/A
<b>85089</b>	<b>Conveyor</b>	<b>Shopmade</b>	<b>Not Available</b>	<b>N/A</b>	<b>300 TPH</b>	<b>2010</b>	<b>NSPS</b>

TPH = Tons per Hour, **Bold equipment indicates NSPS affected facilities for which construction, modification, or reconstruction commenced after April 22, 2008 that are subject to additional monitoring and testing requirements.**



**Attachment 3**  
**Insignificant Activities**

The following equipment or operations have been determined by the control officer, because of their size or production rate, to be de minimus emission sources and insignificant or trivial activities in accordance with PCC 17.04.340.A

**Table 3 - Insignificant Activities**

Description	Maximum Rated Capacity	Fuels Used
Landscaping, building maintenance, or janitorial services.	-	-
Gasoline storage tanks; provided such storage tanks are equipped with a submerged filling device, or acceptable equivalent, for the control of hydrocarbon emissions in accordance with PCC 17.16.230.B.	≤ 10,000 gallons	Gasoline
Diesel or Fuel Oil Storage Tanks.	≤ 40,000 gallons each	Diesel
Batch mixers.	≤ 5 cubic feet	-
Wet sand and gravel production facilities whose permanent in-plant roads are paved and cleaned to control dust. This does not include activities in emissions units which are used to crush or grind any nonmetallic minerals.	≤ 200 tons/hour	-
Hand-held or manually operated equipment used for buffing, polishing, carving, cutting, drilling, machining, routing, sanding, sawing, surface grinding, or turning of ceramic art work, precision parts, leather, metals, plastics, fiberboard, masonry, carbon, glass or wood.	-	-
Powder Coating Operations	-	-
Internal combustion (IC) engine-driven compressors, IC engine-driven electrical generator sets, and IC engine driven water pumps used only for emergency replacement or standby service.  <i>Note: Portable or temporary IC engines or other non-road engines that operate or are planned for operation at a fixed location for more than 12 months are subject to stationary source permitting requirements. Portable or temporary IC located at a facility, may be required to keep records showing when the sources are transferred to or from the facility, or moved to alternate locations at the facility in order to establish that the sources are not stationary IC engines.</i>	-	-
Lab equipment used exclusively for chemical and physical analyses.	-	-
Trivial activities as provided in PCC 17.04.340.A.237 a through xx.	-	-