PIMA COUNTY DEPARTMENT OF ENVIRONMENTAL QUALITY

AIR PROGRAM

33 N. Stone Avenue, Suite 700 • Tucson, AZ 85701 • Phone: (520) 243-7400

AIR QUALITY OPERATING PERMIT

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

ISSUED TO

GRANITE CONSTRUCTION COMPANY

9301 South Swan Road

TUCSON, AZ 85706

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

THIS PERMIT ISSUED SUBJECT TO THE SPECIFIC AND ADMINISTRATIVE CONDITIONS IDENTIFIED IN THIS PERMIT.

PERMIT NUMBER **114** PERMIT CLASS **II**

ISSUED **APRIL 13, 2012** AMENDED: **JULY 24, 2015** EXPIRES**: APRIL 12, 2017**

Rupesh Patel

Rupesh Patel, Air Permit Manager, PDEQ

SIGNATURE TITLE

Table of Contents

Permit Summary

This operating permit is the first renewal of the 5-year, air quality permit issued to Granite Construction Company for their Nonmetallic Mineral Mining/Processing and Hot Mix Asphalt operations at the Swan Road Plant located at 9301 South Swan Road in Tucson, Arizona. The Permittee is a synthetic minor source of PM_{10}, CO, NO_X, SO_X, VOCs and HAPs.

The facility is composed of six (6) main stationary plants:

- Primary Crusher/Scalping Plant
- Wash Plant
- Secondary Wash Plant
- Mineral Aggregate Plant
- Aggregate Base Plant
- Hot Mix Asphalt Plant

The facility also declares two (2) optional use plants, holding general permits from ADEQ:

- Portable Asphalt Rubber Blending Plant
- Portable Crushing and Screening Plant

The Primary Crusher/Scalping Plant crushes, screens and transfers mined materials to the Mineral Aggregate Plant and Wash Plant. The Mineral Aggregate Plant crushes, screens and transfers material to the Aggregate Base Plant and to stockpiles of final product for use in the Hot Mix Asphalt Plant. The Aggregate Base Plant produces ABC (Aggregate Base Course) for sale. The Wash Plant and Secondary Wash Plant wash, screen and transfer material to stockpiles of final product.

The Permittee has declared the maximum annual process rate of the entire crushing and screening operation to be 800 tons per hour, 16 hours per day for 365 days per year. The previous permit's declared operational limit of 2,500,000 tons per year remains in effect.

The Portable Crushing and Screening Plant, operating at a declared 500 tons per hour for 2190 hours per year, can be used to contribute up to 1,095,000 tons annually toward that declared maximum of 2,500,000 tons.

The Portable Asphalt Rubber Blending Plant, in tandem with the stationary HMA Plant, produces a final asphalt product for sale. The Permittee declares a 50% maximum input by this portable plant to the source's maximum yearly output of 750,000 tons.

The Primary Crusher/Scalping Plant, the Mineral Aggregate Plant, the Aggregate Base Plant, and the applicable, pre-saturation equipment of the Wash Plant and Secondary Wash Plant are subject to NSPS 40 CFR 60 Subpart OOO: Standards of Performance for Nonmetallic Mineral Processing Plants. The stationary Hot Mix Asphalt Plant is subject to 40 CFR 60 Subpart I: Standards of Performance for Hot Mix Asphalt Facilities. No MACT standards are applicable to any PDEQ-permitted operations at the facility.

Granite Construction Company (GCC) is a facility with operations under the following Standard Industrial Classification (SIC) codes: The facilities for the production of the sand, gravel and construction aggregate are under SIC code 1442: "Construction Sand and Gravel." The facilities for the production of asphalt concrete are under SIC code 2951: "Asphalt Paving and Roofing Materials."

The following 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.

Facility-Wide	Emissions (tons/yr)					
	PM_{10}	CO	NO_X	SO_X	VOC	Total HAPs
Potential Emissions (With claimed controls, operating limitations and inclusion of declared optional use portable plant)	38.88	53.95	40.27	29.45	19.55	6.10

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:

[Primary Crusher/Scalping Plant, Mineral Aggregate Plant, Aggregate Base Plant, Wash Plant (pre-material saturation point), and Secondary Wash Plant (pre-material saturation point): crushers, grinding mills, screening operations, bucket elevators, belt conveyors, bagging operations, storage bins and enclosed truck or railcar 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, Secondary Wash Plant, Facility-Wide, Non-NSPS: Non-NSPS primary rock crushers, secondary rock crushers, tertiary rock crushers, screens, conveyors and conveyor transfer points, stackers, reclaimers, and all gravel or crushed stone processing plants and rock storage piles.]

C. ADEQ-Permitted Portable Plants (Optional Use)

D. Facility-Wide Operations

II. Emission Limits & Standards [PCC 17.12.185.A.2]

A. NSPS Facilities **[Federally Enforceable Conditions]**

1. Primary Crusher/Scalping Plant, Mineral Aggregate Plant, Aggregate Base Plant, Wash Plant (pre-material saturation point), and Secondary Wash Plant (pre-material saturation point)

The provisions of this section are applicable to the NSPS facilities identified in Tables I, II, III, IV, and V 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 which exhibit: [40 CFR 60.672(b)]

(A) Greater than 15 percent opacity from crushers;

(B) Greater than 10 percent opacity from affected facilities other than crushers.

ii. 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 VI 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	4,000
Flash Point	100°F minimum

c. Circumvention

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, Secondary Wash Plant and other Non-NSPS Equipment

The provisions of this section are applicable to the Non-NSPS equipment identified in Tables I, II, III, IV and V 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 ± 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 January, 1979 (and no future amendments or editions), 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. ADEQ-Permitted Portable Plants (Optional Use)

The provisions of this section are applicable to the equipment, identified in Tables VII and VIII of Attachment 2.

1. Portable Crushing and Screening Plant

a. Operational Limitations

Production from this plant shall not exceed 2190 hours per year and 1,095,000 tons for any twelve-month rolling total. [PCC 17.12.185.A.2 & PCC 17.12.190.B]

[Federally Enforceable & Material Permit Condition]

b. Portable Source Limitations

The Permittee shall contact the appropriate agency to obtain a permit and/ or notify PDEQ and ADEQ 10 days prior to moving and/ or commencing operation of the portable plant. [PCC 17.12.300.C & E]

2. Portable Asphalt Rubber Blending Plant

a. Operational Limitations

Production from this plant shall not exceed 50 percent of the total source production of final asphalt product, with a maximum of 375,000 tons for any twelve-month rolling total. [PCC 17.12.185.A.2 & PCC 17.12.190.B]

[Material Permit Condition]

b. Portable Source Limitations

The Permittee shall contact the appropriate agency to obtain a permit and notify PDEQ and ADEQ 10 days prior to commencing operation of portable plant. [PCC 17.12.300.C & E]

D. Facility-Wide Operations

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

1. Operational Limitations

Total source production shall not exceed 2,500,000 tons of final aggregate product and 750,000 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.D.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. Primary Crusher/Scalping Plant, Mineral Aggregate Plant, Aggregate Base Plant, Wash Plant (pre-material saturation point), and Secondary Wash Plant (pre-material saturation point)

Particulate Matter & Opacity Standards

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, 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]

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 Cedarapids baghouse (air pollution control equipment) identified in Table VI 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, Secondary 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 any emissions, then the Permittee shall, if practicable, take an EPA Reference Method 9 observation of the plume and take corrective action to prevent any emissions from occurring. If the emissions are 20 percent or more, this shall be recorded and reported as an excess emission and a permit deviation.

C. ADEQ-Permitted Portable Plants (Optional Use)

Operational Limitations

Compliance with II.C.1.a and II.C.2.a shall be demonstrated by the Permittee as detailed in III.D.1 with subset rolling totals of production tonnages while the portable plants are operational.

D. Facility-Wide Operations

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

1. Operational Limitations

Compliance with II.D.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.

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 any emissions, then the Permittee shall, if practicable, take an EPA Reference Method 9 observation of the plume and take corrective action to prevent any emissions from occurring.

IV. Recordkeeping Requirements [PCC 17.12.185.A.4]

A. NSPS Facilities

Primary Crusher/Scalping Plant, Mineral Aggregate Plant, Aggregate Base Plant, Wash Plant (pre-material saturation point), and Secondary Wash Plant (pre-material saturation point)

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 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.

B. Non-NSPS Facilities

Wash Plant, Secondary 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. ADEQ-Permitted Portable Plants (Optional Use)

Operational Limitations

The Permittee shall maintain records of the rolling total productions detailed in III.C.

D. 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.D.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

All records required by this permit shall be retained for at least five years. [PCC 17.24.020.A]

V. Reporting Requirements [PCC 17.12.185.A.5]

A. NSPS Facilities **[Federally Enforceable Conditions]**

Primary Crusher/Scalping Plant, Mineral Aggregate Plant, Aggregate Base Plant, Wash Plant (pre-material saturation point), and Secondary Wash Plant (pre-material saturation point)

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, Secondary Wash Plant and Facility-Wide Non-NSPS

See Additional Permit Requirements.

C. ADEQ-Permitted Portable Plants (Optional Use)

See Additional Permit Requirements and the specific ADEQ general permit.

D. 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. Primary Crusher/Scalping Plant, Mineral Aggregate Plant, Aggregate Base Plant, Wash Plant (pre-material saturation point), and Secondary Wash Plant (pre-material saturation point)

a. Initial Performance Testing

Compliance with II.A.1.a.i of the Specific Conditions requires an initial performance test be conducted on each affected facility as detailed in VI.A.1.b of the Specific Conditions.

[40 CFR 670(f) & 40 CFR 60.8]

b. Conditions of Performance Testing

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, except as specified under other subparts, 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)]

c. 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 VI.A.1.c of the Specific Conditions. 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)]

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)]

d. Performance Test Exemption

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.D.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 shall be used to determine opacity.

B. Non-NSPS Facilities

Wash Plant, Secondary Wash Plant and Facility-Wide Non-NSPS

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. ADEQ-Permitted Portable Plants (Optional Use)

See specific ADEQ general permit.

D. 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 **520-243-7400.** 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

Pima County Code Title 17, Chapter 17.12:

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
17.12.300	Portable sources
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
17.16.050	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

Attachment 2: Equipment List

Table I **Primary Crusher/Scalping Plant**

Equipment ID	Description	Max Capacity(Tons/hr)	Manufacturer	Model	Serial No.	Date of Manufacture	Spray nozzle location	NSPS Y/N
83-072	Feeder	800	unknown	unknown	unknown	1994	83-072A	N[1]
80-072	Conveyor	800	unknown	unknown	Unknown	1994	83-072A	Y
RK01	Conveyor	800	Reuterbelt	Rock Knocker	Unknown	1994	83-072A	Y
80-2025	Conveyor	800	Unknown	Unknown	Unknown	1994	83-072A	Y
80-2026	Conveyor	800	Unknown	Unknown	Unknown	1994	83-072A	Y
80-2027	Conveyor	800	Unknown	36”x1000’	Unknown	1994	83-072A	Y
80-549	Conveyor	800	Lattice	36”x60’	Unknown	1994	80-549	Y
82-085	Screen	800	El Jay	6x20 3-deck	Unknown	2/1982	82-085	N
80-509	Conveyor	800	Spaulding	36”x60’	Unknown	8/2000	80-509	Y
80.1721	Stacker	800	Truss	30”x60’	Unknown	11/2002	80-509	Y
80-512	Conveyor	800	Reuter	30”x60’ stackable	Unknown	8/2000	80-512	Y
80-2028	Stacker	800	Kolberg	42”x150’	Unknown	4/2007	80-512	Y
80-515	Stacker	800	Reuter	30”x60’ stackable	Unknown	8/2000	80-512	Y
80-556	Stacker	800	Peerless	36”x120’ radial	Unknown	3/1991	80-512	Y
83-413	Feeder	800	Unknown	Unknown	Unknown	1994	Uncontrolled	N[1]
83-414	Feeder	800	Unknown	Unknown	Unknown	1994	Uncontrolled	N[1]
80-2029	Conveyor	800	Unknown	Unknown	Unknown	1994	80-509	Y
83-2601	Feeder	800	Unknown	Unknown	Unknown	1994	83-2601	N[1]
80-2502B	Conveyor	624	Unknown	36”x116’	Unknown	1994	80-2502A	Y
80-2502A	Conveyor	624	Unknown	Under belt	Unknown	1994	80-2502A	Y
82-1501	Screen	626	Unknown	4’x12’	Unknown	1994	80-2502A	Y
81-208	Crusher	165	Unknown	18”x24”	Unknown	1962	81-208	N
80-2503	Conveyor	800	Unknown	36”x204’	Unknown	1994	81-208	Y
82-1502	Screen	693	Unknown	20’x8’triple deck	Unknown	1994	81-208	Y
82-1503	Screen	693	Unknown	20’x8’triple deck	Unknown	1994	81-208	Y
80-2504	Conveyor	432	Unknown	30”x28’	Unknown	1994	80-2504	Y
80-2505	Stacker	432	Unknown	30”x116’	Unknown	1994	80-2504	Y
80-2506	Conveyor	276	Unknown	24”x100’	Unknown	1994	80-2502B	Y
80-2511	Stacker	276	Unknown	24”x92’	Unknown	1994	80-2502B	Y
83-413	Feeder	624	Unknown	Unknown	Unknown	1994	84-413	N[1]
80-2509	Conveyor	624	Unknown	36”x194’	Unknown	1994	80-2509	Y
90-024	Jaw Crusher	600	Cedarapids	30x42	90-024	1/1/1992	90-024	Y
80-1773	Conveyor	500	Homemade	85x30	Unknown	Unknown	89-878	Y
80-1772	Conveyor	500	Homemade	100x30	Unknown	Unknown	89-878	Y
2057B	Conveyor	500	Homemade	100x30	Unknown	1993	89-878	Y
89-878	Poratable Feeder	800	Homemade	42x20	Unknown	1993	89-878	N[1]

[1] 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.

Table II Mineral Aggregate Plant

Equipment ID	Description	Max Capacity (Tons/hr)	Manufacturer	Model	Serial No.	Date of Manufacture	Spray nozzle location	NSPS Y/N
82-1504	Screen	464	Unknown	20'x6'	Unknown	1994	82-1504	Y
80-2559	Conveyor	276	Unknown	60'x24"	Unknown	1994	82-1504	Y
80-2511B	Conveyor	276	Unknown	92'x24"	Unknown	1994	82-1504	Y
89-2515	Underground Conveyor	432	Unknown	74'x30"	Unknown	1994	89-2515	Y
80-2510	Conveyor	276	Unknown	84'x24"	Unknown	1994	80-2510	Y
80-2516	Conveyor	276	Unknown	276'x24"	Unknown	1994	80-2516	Y
80-2512	Conveyor	276	Unknown	92'x24"	Unknown	1994	80-2512	Y
80-2513	Conveyor	276	Unknown	86'x24"	Unknown	1994	80-2513	Y
81-210	Crusher	275	Unknown	Unknown	Unknown	1994	80-210	Y
83-2607	Feeder	276	Unknown	Unknown	Unknown	1994	80-2512	N[1]
83-2608	Feeder	276	Unknown	Unknown	Unknown	1994	80-2512	N[1]
81-211	Crusher	275	Unknown	Unknown	Unknown	1994	81-211	Y
80-2555	Conveyor	276	Unknown	32'x24"	Unknown	1994	80-2555	Y
80-2529	Conveyor	276	Unknown	50'x24"	Unknown	1994	80-2555	Y
80-2528	Conveyor	276	Unknown	60'x24"	Unknown	1994	80-2516	Y
82-1505	Screen	371	Unknown	16'x6'	Unknown	1994	80-2516	Y
80-2530	Stacker	276	Unknown	122'x24"	Unknown	1994	80-2516	Y
80-2531	Stacker	276	Unknown	88'x24"	Unknown	1994	80-2516	Y
80-2532	Conveyor	276	Unknown	70'x24"	Unknown	1994	80-2516	Y
82-1506	Screen	166	Unknown	20'x6'	Unknown	1994	82-1506	Y
80-2534	Stacker	276	Unknown	90'x24"	Unknown	1994	82-1506	Y
80-2562	Conveyor	276	Unknown	Unknown	Unknown	1994	82-1506	Y
80-2533	Stacker	276	Unknown	126'x24"	Unknown	1994	82-1506	Y

[1] 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.

Table III **Wash Plant**

Equipment ID	Description	Max Capacity (Tons/hr)	Manufacturer	Model	Serial No.	Date of Manufacture	Spray nozzle location	NSPS Y/N
83-2606	Feeder	276	Unknown	Unknown	Unknown	1994	80-2504	N[1]
89-2523	Conveyor	276	Unknown	82'x30"	Unknown	1994	80-2504	Y
83-2604	Splitter Chute	150	Unknown	Unknown	Unknown	1994	83-2604	Y
83-2605	Splitter Chute	150	Unknown	Unknown	Unknown	1994	83-2605	Y
80-2522	Stacker	276	Unknown	100'x24"	Unknown	1994	80-2522	Y
83-2603B	Feeder	138	Unknown	Unknown	Unknown	1994	80-2502B	Y
89-2517	Conveyor	276	Unknown	50'x24"	Unknown	1994	80-2502B	Y
80-2526	Conveyor	276	Unknown	78'x24"	Unknown	1994	80-2502B	Y
80-2527	Conveyor	276	Unknown	78'x24"	Unknown	1994	80-2502B	Y
80-2536	Conveyor	432	Unknown	110'x30":	Unknown	1994	80-2502B	Y
80-2541	Conveyor	276	Unknown	Unknown	Unknown	1994	Saturated	N
80-2539	Conveyor	276	Unknown	Unknown	Unknown	1994	Saturated	N
82-353	Screen	276	Unknown	Unknown	Unknown	1994	Saturated	N
84-1702	Screw Conveyor	276	Unknown	Unknown	Unknown	1994	Saturated	N
80-2542	Conveyor	276	Unknown	Unknown	Unknown	1994	Saturated	N
80-2543	Conveyor	276	Unknown	Unknown	Unknown	1994	Saturated	N
80-1782	Stacker	276	Unknown	Unknown	Unknown	1994	Saturated	N
84-2003	Screw Conveyor	276	Unknown	Unknown	Unknown	1994	Saturated	N
84-1701	Screw Conveyor	276	Unknown	Unknown	Unknown	1994	Saturated	N
82-352	Screen	276	Unknown	Unknown	Unknown	1994	Saturated	N
80-2549	Conveyor	276	Unknown	Unknown	Unknown	1994	Saturated	N
80-2550	Stacker	276	Unknown	Unknown	Unknown	1994	Saturated	N
89-2706	Conveyor	276	Unknown	Unknown	Unknown	1994	Saturated	N
89-2705	Conveyor	276	Unknown	Unknown	Unknown	1994	Saturated	N
89-2702	Conveyor	276	Unknown	Unknown	Unknown	1994	Saturated	N
82-450	Screen	276	Unknown	Unknown	Unknown	1994	Saturated	N
80-2537A	Conveyor	276	Unknown	Unknown	Unknown	1994	Saturated	N
82-449	Screen	276	Unknown	Unknown	Unknown	1994	Saturated	N
80-2537B	Conveyor	276	Unknown	Unknown	Unknown	1994	Saturated	N
84-2002	Screw Conveyor	276	Unknown	Unknown	Unknown	1994	Saturated	N
82-385	Screen	276	Unknown	Unknown	Unknown	1994	Saturated	N
89-2704	Conveyor	276	Unknown	Unknown	Unknown	1994	Saturated	N
80-2564	Stacker	276	Unknown	Unknown	Unknown	1994	Saturated	N
80-2545	Conveyor	276	Unknown	Unknown	Unknown	1994	Saturated	N
80-2546	Stacker	276	Unknown	Unknown	Unknown	1994	Saturated	N
80-2547	Conveyor	276	Unknown	Unknown	Unknown	1994	Saturated	N
80-2548	Stacker	276	Unknown	Unknown	Unknown	1994	Saturated	N

[1] 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.

Table IV Aggregate Base Plant

Equipment ID	Description	Max Capacity (Tons/hr)	Manufacturer	Model	Serial No.	Date of Manufacture	Spray nozzle location	NSPS Y/N
80-2518	Conveyor	276	Unknown	234'x34"	Unknown	1994	80-2518	Y
85-216	Lime Silo	5.5	Unknown	50 ton	Unknown	1975	Uncontrolled	N
80-943	Covered Conveyor	276	Unknown	Unknown	Unknown	1994	Uncontrolled	Y
89-263	Pug Mill	276	Unknown	Unknown	Unknown	1994	89-263	N
80-2519	Conveyor	276	Unknown	68'x24"	Unknown	1994	80-2519	Y
80-2525	Stacker	276	Unknown	150'x24"	Unknown	1994	80-2525	Y

Table V Secondary Wash Plant

Equipment ID	Description	Max Capacity (Tons/hr)	Manufacturer	Model	Serial No.	Date of Manufacture	Spray nozzle location	NSPS Y/N
83-2610	Feeder	54	Unknown	Unknown	Unknown	1994	80-2522	N[1]
89-2556	Conveyor	276	Unknown	150'x24"	Unknown	1994	80-2522	Y
82-1510	Screen	276	Unknown	Unknown	Unknown	1994	Saturated	N
80-2552	Stacker	276	Unknown	Unknown	Unknown	1994	Saturated	N
84-3077	Screw Conveyor	276	Unknown	Unknown	Unknown	1994	Saturated	N
80-2565	Conveyor	276	Unknown	Unknown	Unknown	1994	Saturated	N
80-2566	Stacker	276	Unknown	Unknown	Unknown	1994	Saturated	N
84-1703	Screw Conveyor	276	Unknown	Unknown	Unknown	1994	Saturated	N
82-363	Screen	276	Unknown	Unknown	Unknown	1994	Saturated	N
80-2554	Stacker	276	Unknown	Unknown	Unknown	1994	Saturated	N
84-1704	Screw Conveyor	276	Unknown	Unknown	Unknown	1994	Saturated	N
80-2553	Stacker	276	Unknown	Unknown	Unknown	1994	Saturated	N

[1] 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.

Table VI Hot Mix Asphalt Plant

Equipment ID	Description	Max Capacity (Tons/hr)	Manufacturer	Model	Serial No.	Date of Manufacture	NSPS Y/N
Unknown	Mixing Unit	450	Cedarapids	11032	217828	1987	Y
Unknown	Drum Dryer	450	Cedarapids	11032	217828	1987	Y
Unknown	Baghouse	450	Cedarapids	11032	217828	1987	Y
Unknown	Dryer Conveyor	450	Cedarapids	11032	217828	1987	Y
Unknown	4-BinFeeder	450	Cedarapids	11032	217828	1987	Y
Unknown	75 ton Mineral Filler Silo	9	Cedarapids	11032	217828	1987	Y
Unknown	Slat Conveyor	450	Cedarapids	11032	217828	1987	Y
Unknown	Asphalt Silos (3)	300	Cedarapids	11032	217828	1987	Y
Unknown	Asphalt Heater	2,115,000 btu	CEI	1500	Unknown	1987	Y
Unknown	Asphalt Heater	2,115,000 btu	CEI	1500	Unknown	1991	Y
Unknown	Asphalt Tank	75	CEI	Unknown	Unknown	1987	Y
Unknown	Asphalt Tank	50	CEI	Unknown	Unknown	1987	Y
Unknown	Recycle Feeeder Bin	125	Cedarapids	Unknown	Unknown	1987	Y
Unknown	Scalping Screen	450	Cedarapids	Unknown	Unknown	1987	Y
Unknown	Recycle Conveyor	125	Cedarapids	Unknown	Unknown	1987	Y
Unknown	RAP Feeder Bin	450	Unknown	Unknown	Unknown	Unknown	Y
Unknown	Sand Feeder	450	Unknown	Unknown	Unknown	Unknown	Y

Table VIII Portable Rubber Asphalt Plant

Maximum Operations	Description	Allowable Fuel	Max Capacity (gallons/hour)
1	Asphalt Heater	Diesel	77