

AUTHORIZATION TO OPERATE (ATO): #114
UNDER PDEQ CLASS II GENERAL AIR QUALITY PERMIT 6210
For
Nonmetallic Material Handling Facilities
(Crushing & Screening, Hot Mix Asphalt and Concrete Batch Plants)



I. FACILITY INFORMATION:

Business Name: Granite Construction Company
 Facility Name: Swan Road Plant
 Source Location: 9301 S Swan Rd, Tucson, AZ 85706

Permitted Emissions, tons/year:

Conventional or Criteria Air Pollutant					HAP(s) Totals	
PM ₁₀	NO _x	VOC	CO	SO ₂	Single HAP	Combined HAPS
<90	<90	<90	<90	<90	<10	<25

Rolling 12-Month Throughput Limitations:

Crushing & Screening Plant: **2,500,000 TPY**
 Hot Mix Asphalt Plant: **750,000 TPY**

(These throughput limitations are calculated from the general permit application and the annual hour limitation identified in the facility's PTE)

Rupesh Patel, Air Program Manager, PDEQ

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II. AUTHORIZED EQUIPMENT:

Equipment, operations, and activities for which emissions are allowed by the general permit are as follows:

Table 1: Section 3 of the Permit – NSPS for Nonmetallic Mineral Processing Plants Affected Facilities:

Source Equipment ID ¹	Type of Equipment	Manufacturer	Model	Serial Number	Maximum Rated Capacity	Manufacturer Date	≥ 4/22/2008	Opacity Limit %
Primary Crusher/Scalping Plant								
82-1501	Screen	Unknown	4' X 12'	Unknown	626 TPH	1994	No	10
82-1502	Screen	Unknown	20' X 8'	Unknown	693 TPH	1994	No	10
82-1503	Screen	Unknown	20' X 8'	Unknown	693 TPH	1994	No	10
90-024	Jaw Crusher	Cedarapids	30 X 42	90-024	600 TPH	1/1/1992	No	15
Mineral Aggregate Plant								
82-1504	Screen	Unknown	20' X 6'	Unknown	464 TPH	1994	No	10
81-210	Crusher	Unknown	Unknown	Unknown	275 TPH	1994	No	15
81-211	Crusher	Unknown	Unknown	Unknown	275 TPH	1994	No	15
82-1505	Screen	Unknown	20' X 6'	Unknown	464 TPH	1994	No	10
82-1506	Screen	Unknown	20' X 6'	Unknown	464 TPH	1994	No	10
Tertiary Crushing Plant								
81-041	Vertical Shaft Impact Crusher	Kanica	105	105139	600 TPH	1994	No	15

¹ Specific equipment identified in the permit application as needing an ATO. All equipment listed in the permit application is subject to the provisions of this general permit.

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Table 2: Section 4 of the Permit – Standards of Performance for Non-NSPS Gravel or Crushed Stone Processing Plants:

Source Equipment ID ¹	Type of Equipment	Manufacturer	Model	Serial Number	Maximum Rated Capacity	Manufacturer Date	Opacity Limit %
Primary Crusher/Scalping Plant							
82-085	Screen	El Jay	6' x 20' 3-deck	Unknown	800 TPH	2/1983	20
81-208	Crusher	Unknown	18" X 24"	Unknown	165 TPH	1962	20
Secondary Crushing Circuit							
81-041	Cone Crusher	Symons	Std. 54"	40981	250 TPH	1978	20
82-115	3-Deck Screen	Cedarapids	5163-26	Unknown	275 TPH	1978	20
Aggregate Base Plant							
85-216	Lime Silo	Unknown	50 Ton	Unknown	5.5 TPH	1975	20

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Table 3: Section 5 of the Permit – NSPS and Non-NSPS for Hot Mix Asphalt Plants:

Source Equipment ID ¹	Type of Equipment	Manufacturer	Model	Serial Number	Maximum Rated Capacity	Manufacturer Date	Allowable Fuels	Opacity Limit %
86-310A	Drum Dryer	Cedarapids	11032	217828	450 TPH	1987	Waste Oil/Fuel Oil #6	20
Unknown	Mineral Filler Silo	Cedarapids	11032	217828	75 Ton	1987	NA	20
Unknown	Asphalt Silos (3)	Cedarapids	11032	217828	300 TPH	1987	NA	20
Unknown	Asphalt Heater	CEI	1500	Unknown	2.115 MMBTU	1987	Diesel	20
Unknown	Asphalt Heater	CEI	1500	Unknown	2.115 MMBTU	1991	Diesel	20
Unknown	Portable Rubber Asphalt Plant Asphalt Heater	Unknown	Unknown	Unknown	77 Gal/Hr	Unknown	Diesel	20

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