

**AUTHORIZATION TO OPERATE (ATO): #6014**  
**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: Calmat Company DBA Vulcan Materials Company  
 Facility Name: Green Valley Facility  
 Source Location: 18701 S Old Nogales Hwy, Sahuarita, AZ 85629

**Permitted Emissions, tons/year:**

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

**Rolling 12-Month Throughput Limitations: (Not Applicable – True Minor Source)**

Rupesh Patel, Air Permit Manager, PDEQ

ATO #6014	
Issue Date:	April 24, 2017
Revised:	N/A
Expiration Date:	April 23, 2022

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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 <sup>1</sup>	Type of Equipment	Manufacturer	Model	Serial Number	Maximum Rated Capacity	Manufacturer Date	≥ 4/22/2008	Opacity Limit %
47.8010	Scalp Screen	Protec	4' X 8'	Unknown	500	>8/31/83	N	10
43.8015	3-Deck Screen	JCI	JCI620332 (6' X 20')	99FS13332	500	>8/31/83	N	10
43.8902	Rollercone	El Jay	54"	Unknown	500	>8/31/83	N	15
43.8016	3-Deck Screen							10
48.8006	Lime Silo	Unknown	54 Ton	Unknown	500	>8/31/83	N	10
41.8001	Jaw Crusher	Kolberg	Unknown	Unknown	500	>8/31/83	N	15
	Scalping Deck							10

<sup>1</sup> Equipment identified in the permit application as needing an ATO. Other associated pieces of equipment listed on the equipment list of the application do not require an ATO but are subject to the provisions of this general permit.

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**Table 4: Section 6 of the Permit – Standards of Performance for Concrete Batch Plants:**

Source Equipment ID <sup>1</sup>	Type of Equipment	Manufacturer	Model	Serial Number	Maximum Rated Capacity	Manufacturer Date	Opacity Limit %
38.8982	Concrete Batch Plant (Inclusive)	Ross Bandit	Unknown	Unknown	200 CYH	8/31/83-4/22/08	20
N/A	Water Heater	Sioux	Unknown	Unknown	2 MMBTU	8/31/83-4/22/08	20

<sup>1</sup> Equipment identified in the permit application as needing an ATO. Other associated pieces of equipment listed on the equipment list of the application do not require an ATO but are subject to the provisions of this general permit.

**Section 7 of the Permit – Standards of Performance for Internal Combustion Engines:**

**Attachment D – NSPS for CI ICE (Non-Emergency Designated Engines):**

Equip. No.	Description/ Location	MFR/ Model	Serial Number/ Unique ID	Maximum Rated Capacity	Date of MFR	Date Installed	Run Hour Limitation <sup>1</sup>	Allowable Fuels
TBD	Crushing & Screening	TBA	TBA	500 HP	TBD	TBD	TBD	Diesel

<sup>1</sup> Permittee's must install non-resettable hour meters when choosing to monitor run hours, otherwise the Permittee shall monitor and keep records of the metered fuel purchased and fired in the unit.

**Attachment D– Supplemental Requirements:**

Equip. No.	Applicable NSPS Emission Standard	NO <sub>x</sub> g/kw-hr (g/hp-hr)	NMHC g/kw-hr (g/hp-hr)	NMHC+NO <sub>x</sub> g/kw-hr (g/hp-hr)	CO g/kw-hr (g/hp-hr)	PM g/kw-hr (g/hp-hr)	Certified Emission Life (term, date)
TBD	Non-Emergency Engine 302 ≤ HP < 602	0.40 (0.30)	0.19 (0.14)	-	3.5 (2.6)	0.02 (.015)	8,000 hours or 10 years, whichever comes first

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