

AUTHORIZATION TO OPERATE (ATO): #667
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: Imerys Carbonates
 Facility Name: Imerys Carbonates
 Source Location: End of Santa Rita Rd, Sahuarita, AZ 85629

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: (Not Applicable – True Minor Source)

Rupesh Patel, Air Permit 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 %
Crushing & Screening Plant #1								
	Primary Jaw Crusher	Terex/Cedar Rapids	JW42	TRXCR024HCOHD3251	300 tph	4/23/18	Yes	12
VF-01	Grizzly Vibratory Feeder	NA	48" x 20"	NA	200 tph	1987	No	10
Crushing & Screening Plant #2								
SS-10	Screen	Midwestern	5' x 10'	0401-5107	150 tph	2001	No	10
Screening Plant #3								
SS-20	Screen	Midwestern	5' x 10'	2898-5122	150 tph	After 1983	No	10
SS-21	Screen	Midwestern	5' x 10'	2898-5122	150 tph	After 1983	No	10

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 %
Crushing & Screening Plant #1							
SS-07	Primary Screen	Tyler	900	20393	350 tph	1973	20
SS-04	Dirty Fines Screen	Tyler	F-600	6784	25 tph	1961	20
CC-09	Secondary Cone Crusher	Telsmith	48S	8535	150 tph	1973	20
Crushing & Screening Plant #2							
VS1-01	Vertical Shaft Impactor	Spokane Industries	NA	66-P154	150 tph	Pre 1983	20
Raymond Mill System #1							
RM-01	Mill #1	Raymond	50 inches	55491	10 tph	1941	20
Raymond Mill System #2							
RM-02	Mill #2	Raymond	50 inches	66155	10 tph	1941	20

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Section 9 of the Permit – Standards of Performance for Internal Combustion Engines:

Attachment A– NESHAP for CI & SI RICE (*Emergency Designated Engines*):

Equip. No.	Description/ Location	MFR/ Model	Serial Number/ Unique ID	Maximum Rated Capacity	Date of MFR	Date Installed	Run Hour Limitation ¹	Allowable Fuels
NA	Emergency Generator	Caterpillar	3412 Gen Set	804 hp	10/1990	NA	100 hours	Diesel

¹ The run hours are limited to maintenance testing and readiness checks and non-emergency operation in accordance with the federal requirements. There is no limit on hours of operation during true emergencies.

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