

AUTHORIZATION TO OPERATE (ATO)

**UNDER PDEQ CLASS II GENERAL AIR QUALITY PERMIT 6205
For
FUEL BURNING EQUIPMENT (BOILERS, HEATERS, & GENERATORS)**



I. FACILITY INFORMATION:

Business Name: Icagen, Inc.
Source Location: 2090 E Innovation Park Drive, Oro Valley, AZ 85755

Permitted Emissions, tons/year:

Conventional or Criteria Air Pollutant								HAP(s)
PM _{2.5}	PM ₁₀	PM	NO _x	VOC	CO	SO ₂	Lead	Total
0.31	0.35	0.35	6.95	0.38	3.86	0.49	< 0.6	< 0.06

II. AUTHORIZED EQUIPMENT:

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

Section 4C – NSPS for CI ICE (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
001	Emergency Generator	Cummins/ DQKAA5780253	J070113783	2347 hp	02/2007	5/2009	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.

Section 4C – Supplemental Requirements:

Equip. No.	Applicable NSPS Emission Standard	NO _x g/kw-hr (g/hp-hr)	NMHC g/kw-hr (g/hp-hr)	NMHC+NO _x 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)
001	Post Model 2007	--	--	4.8	2.6	0.15	8,000 hours or 10 years, whichever comes first

Rupesh Patel, Air Permit Manager, PDEQ

ATO # 6023	
Issue Date:	May 11, 2018
Effective Date:	May 12, 2018
Expiration Date:	January 4, 2022