

**AUTHORIZATION TO OPERATE (ATO)**

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



**I. FACILITY INFORMATION:**

Business Name: Arizona State Prison Complex Tucson  
 Facility Name: Arizona State Prison Complex Tucson  
 Source Location: 10000 S Wilmot Rd, Tucson, AZ 85734

**Permitted Emissions Limits:**

Conventional or Criteria Air Pollutant (tons/year)								HAP(s) (tons/year)
PM <sub>2.5</sub>	PM <sub>10</sub>	PM	NO <sub>x</sub>	VOC	CO	SO <sub>2</sub>	Lead	Total
< 90	< 90	< 90	< 90	< 90	< 90	< 90	< 0.6	< 10

**II. AUTHORIZED EQUIPMENT:**

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

**Section 4A of the Permit – Non-NSPS/Non-NESHAP ICE (Emergency Designated Engines):**

Equip. No.	Description/ Location	MFR/ Model	Serial Number/ Unique ID	Maximum Rated Capacity	Date of MFR	Date Installed	Limitation <sup>1</sup>	Allowable Fuels
6177-003	Generator	Caterpillar/3460 B	4RG01953	311 hp	≤04-01-06	-	100 hours	Diesel
6177-004	Generator	Perkins/W70	377E0-6B-IBAE-19-18	72 hp	≤04-01-06	-	100 hours	Diesel
6177-005	Generator	Cummins/6BT5.9-G2	4536331910	166 hp	≤04-01-06	-	100 hours	Diesel
6177-006	Generator	Cummins/NT855653	30125554	61 hp	≤04-01-06	-	100 hours	Diesel
6177-007	Generator	Cummins/4B-3.9	44147261	61 hp	≤04-01-06	-	100 hours	Diesel
6177-008	Generator	Cummins/4B-3.9	44147510	61 hp	≤04-01-06	-	100 hours	Diesel

Rupesh Patel, Air Permit Manager, PDEQ

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Equip. No.	Description/ Location	MFR/ Model	Serial Number/ Unique ID	Maximum Rated Capacity	Date of MFR	Date Installed	Limitation <sup>1</sup>	Allowable Fuels
6177-009	Generator	Cummins/NT-855GS	10510829	335 hp	≤04-01-06	-	100 hours	Diesel
6177-010	Generator	Cummins/6BT-5.9	44145721	134 hp	≤04-01-06	-	100 hours	Diesel
6177-011	Generator	Caterpillar/3412	81215267	749 hp	≤04-01-06	-	100 hours	Diesel
6177-012	Generator	Detroit Diesel/10637305	6AD419366	238 hp	≤04-01-06	-	100 hours	Diesel
6177-013	Generator	John Deere/6081AF001D	RG6081A103699	300 hp	≤04-01-06	-	100 hours	Diesel
6177-014	Generator	Cummins/6BTA5.9G2	46417270	207 hp	≤04-01-06	-	100 hours	Diesel
6177-015	Generator	Cummins/QLS9-G2NR3	46862642	282 hp	≤04-01-06	-	100 hours	Diesel
6177-016	Generator	John Deere/6068HF285	PE6068L0-48520	237 hp	≤04-01-06	-	100 hours	Diesel

<sup>1</sup> The run hours are limited to maintenance testing and readiness checks. There is no limit on hours of operation during true emergencies.

**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 <sup>1</sup>	Allowable Fuels
6177-001	Generator	Cummins/QSK60-G6	33174908	1744 hp	≥2007	-	100	Diesel
6177-002	Generator	Cummins/QSM11-G4NR3	35255138	470 hp	≥2007	-	100	Diesel

<sup>1</sup> 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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**Section 4C – Supplemental Requirements:**

Equip. No.	Applicable NSPS Emission Standard	NO <sub>x</sub> g/hp-hr	NMHC g/hp-hr	NMHC+NO <sub>x</sub> g/hp-hr	CO g/hp-hr	PM g/hp-hr	Certified Emission Life (term, date)
6177-001	Model Year 2007 and Later Emergency	-	-	4.8	2.6	0.15	8,000 hours or 10 years, whichever comes first.
6177-002	Model Year 2007 and Later Emergency	-	-	4.8	2.6	0.15	8,000 hours or 10 years, whichever comes first.

**III. OTHER APPLICABLE ATTACHMENTS:**

Attachment 1 to the ATO – Fugitive Dust Requirements

Attachment 3 to the ATO – Gasoline Fuel Storage and Dispensing Requirements

Equip. No.	Description/ Location	MFR/ Model	Serial Number/ Unique ID	Rated Capacity	Date of MFR	Date Installed	Gasoline Annual Throughput Limit
-	-	-	-	2 tanks 4,000-gallons each	-	-	1,200,000 Gallons

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