

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: Pima County Facilities Management
 Facility Name: Downtown Complex
 Source Location: 150 W Congress St, Tucson, AZ

Permitted Emissions Limits:

Conventional or Criteria Air Pollutant (tons/year)								HAP(s) (tons/year)
PM _{2.5}	PM ₁₀	PM	NO _x	VOC	CO	SO ₂	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 3 of the Permit – Fossil Fuel Fired Industrial and Commercial Equipment

Equip.No.	Description/ Location	MFR/ Model	Serial Number/ Unique ID	Maximum Rated Capacity	Date of MFR	Date Installed	Allowable Fuels and Annual Limits		Applicability ¹	
							Natura l Gas	Fuel Oil	NSPS Subpart Dc	NESHAP Subpart JJJJJ
							(MMcf, hours, CF)	(Gallons, hours, CF)		
01	Boiler Central Plant	P-K Thermfic N3000-MFD	GY27- 1135576	2.6 MMBtu/hr	7-15-2011	8-23-2011	Unlimited	N/A	N/A	N/A
02	Boiler Central Plant	P-K Thermfic N3000-MFD	GY27- 1135574	2.6 MMBtu/hr	7-18-2011	8-23-2011	Unlimited	N/A	N/A	N/A
03	Boiler Central Plant	P-K Thermfic N3000-MFD	GY27- 1135577	2.6 MMBtu/hr	7-18-2011	8-23-2011	Unlimited	N/A	N/A	N/A
04	Boiler Central Plant	P-K Thermfic N3000-MFD	GY27- 1135575	2.6 MMBtu/hr	7-15-2011	8-23-2011	Unlimited	N/A	N/A	N/A

Rupesh Patel, Air Program Manager, PDEQ

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							Natura l Gas	Fuel Oil	NSPS Subpart Dc	NESHAP Subpart JJJJJ
							(MMcf, hours, CF)	(Gallons, hours, CF)		
05	Water Heater Legal Services	Lochinvar OKN701	L12H102427 40	0.65 MMBtu/hr	8-3-2002	7-22-2004	Unlimited	N/A	N/A	N/A
06	Water Heater Legal Services	Lochinvar OKN701	L12H102390 71	0.65 MMBtu/hr	8-3-2002	7-22-2004	Unlimited	N/A	N/A	N/A
07	Water Heater Legal Services	Lochinvar OKN701	L12H102427 41	0.65 MMBtu/hr	8-3-2002	7-22-2004	Unlimited	N/A	N/A	N/A
08	Water Heater Legal Services	Lochinvar OKN701	L12H102390 86	0.65 MMBtu/hr	8-3-2002	7-22-2004	Unlimited	N/A	N/A	N/A
09	Boiler Main Library	RB1 FB1500	090643869	1.15 MMBtu	9-21-2006	10-1-2006	Unlimited	N/A	N/A	N/A
10	Boiler Main Library	RB1 FB1500	090643818	1.15 MMBtu	9-21-2006	10-1-2006	Unlimited	N/A	N/A	N/A

¹ The Permittee must submit a significant revision to revise the ATO and meet applicable NESHAP subpart JJJJJ work practices (tune-ups), notification, and reporting requirements for applicable boilers that switch to fuel oil use and become subject to Subpart JJJJJ in the oil firing subcategory as defined in 40 CFR 63.11237. The revision will be subject to a 5-day public comment period.

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 ¹	Allowable Fuels
649-11	Generator	Kohler	271317	242 hp	8/24/1980	1/17/1981	100 hours	Diesel
649-12	Generator	Cummins	GM05d075300	965 hp	6/2005	12/2/2005	100 hours	Natural Gas
649-13	Generator	Cummins	G040668541	113 hp	8/3/2004	8/22/2004	100 hours	Natural Gas

¹ The run hours are limited to maintenance testing and readiness checks. There is no limit on hours of operation during true emergencies. Permittee may also demonstrate compliance with the operational limitation by limiting the amount of fuel fired in the unit.

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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
649-14	Generator	Cummins/DQCB-1216577	L120428160	1220 hp	9/8/2010	-	100	diesel
649-16	Generator	Cummins/DSHAD1409948	F140697735	331 hp	6/17/2014	-	100	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/hp-hr	NMHC g/hp-hr	NMHC+NO _x g/hp-hr	CO g/hp-hr	PM g/hp-hr	Certified Emission Life (term, date)
649-14	Model Year 2007 and Later Emergency	-	-	3.0	2.6	0.15	8,000 hours or 10 years, whichever comes first.
649-16	Model Year 2007 and Later Emergency	-	-	4.8	2.6	0.15	8,000 hours or 10 years, whichever comes first.

Section 4D – NSPS for SI 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
649-15	Generator	Olympian/G23OLG2	*GXD00633	357 hp	9/8/2010	1/7/2011	100	Natural Gas

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 4D – Supplemental Requirements:

Equip. No.	Applicable NSPS Emission Standard	Emission Standards g/hp-hr, (ppmvd @ 15% O ₂)			Certified Emission Life (term, date) ¹
		NO _x	CO	VOC	
649-15	SI ICE, not Gasoline or Rich-Burn-LPG, Table 1 – Subpart JJJJ	2.0	4.0	1.0	See Notes Below ¹

¹ The values in 40 CFR §90.105, §1054.107, §1060.101, 1048.101(g) as appropriate for SICE with max power less than 25 hp; the values in 40 CFR §1048.101(g) for SI ICE with max power greater than 25 hp; or 5000 hours or 7 years whichever comes first for SI ICE > 100 hp certified under the voluntary manufacturer certification program; or for gaseous fueled stationary engines required to meet the warranty provisions in 40 CFR 90.1103, or 1054.120 with an alternate warranty period approved under §60.4242, the specified engine hours or two years, whichever comes first; but in no case shorter than any of the following: 1000 hours of operation, the recommended overhaul interval, or the mechanical warranty period for the engine.

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