

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: City of Tucson – Thomas O. Price Service Center
Source Location: 4004 S. Park Avenue, Tucson, AZ 85714

Permitted Emissions Limits, tons/year:

Conventional or Criteria Air Pollutant								HAP(s)
PM _{2.5}	PM ₁₀	PM	NO _x	VOC	CO	SO ₂	Lead	Total
0.68	0.71	0.71	9.92	3.43	8.61	0.15	Negligible	0.29

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	
							Natural Gas	Fuel Oil	NSPS Subpart Dc	NESHAP Subpart JJJJJ
							(MMcf, hours, CF)	(Gallons, hours, CF)		
01	TOPSC BLDG 02 CEN PLANT	Unknown	294-BOW-01B	5.5 MMBtu/hr	-	-	Unlimited	N/A	No	N/A
02	TOPSC BLDG 02 CEN PLANT	Unknown	294-BOW-02B	5.5 MMBtu/hr	-	-	Unlimited	N/A	No	N/A
03	TOPSC BLDG 06 STREETS	Unknown	298-BOW-01A	3.0 MMBtu/hr	-	-	Unlimited	N/A	No	N/A
04	Sun Tran BMF 10	Unknown	286-BOW-01AR	1.825 MMBtu/hr	-	-	Unlimited	N/A	No	N/A
05	TOPSC BLDG 02 911 Dispatch	Unknown	040-BOW-02B	0.45 MMBtu/hr	-	-	Unlimited	N/A	No	N/A
06	TOPSC BLDG 02 911 Dispatch	Unknown	040-BOW-01B	0.45 MMBtu/hr	-	-	Unlimited	N/A	No	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.

Rupesh Patel, Air Permit Manager, PDEQ

ATO # 1845	
Issue Date:	August 7, 2020
Effective Date:	August 14, 2020
Expiration Date:	January 4, 2022

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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
07	Sun Tran BMF 10	Ford/ LRG-4231-6005-A	12601-K-05-RK/ 286-GEN-01A	63 hp	-	1/1/1999	100 hours	Natural Gas
08	911-Com-Fire	Caterpillar/ 3406	4ZR05963/ 040-GEN-01A	500 hp	1/1/1999	12/23/1999	100 hours	Diesel

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.

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
09	CNG PLANT	Perkins/ 2506C-E15TAG3	MGDF5333 N01024A/ 482-GEN-01B	835 hp	9/9/2015	7/1/2016	100 hours	Diesel/Natural Gas
10	CNG PLANT	Perkins/ 2506C-E15TAG3	MGDF5333 N01019A/ 482-GEN-02B	835 hp	9/9/2015	7/1/2016	100 hours	Diesel/Natural Gas
11	911-Com-Police	Cummins/ QSX15-G9	79574844/ 040-GEN-02A	755 hp	4/1/2012	3/18/2013	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)
09	Post Model 2007			(4.8)	(2.6)	(0.15)	8,000 hours or 10 years, whichever comes first.
10	Post Model 2007			(4.8)	(2.6)	(0.15)	8,000 hours or 10 years, whichever comes first.
11	Post Model 2007			(4.8)	(2.6)	(0.15)	8,000 hours or 10 years, whichever comes first.

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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
12	Sun Tran BMF 09	Generac	FGNXB08.02NN	128 hp	8/28/2015	7/1/2016	100 hours	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)
		NO _x	CO	VOC	
12	Table 1 to Subpart JJJJ – Emergency Designated Engine 25 < HP < 130	10 ¹	387	N/A	See Note 2

¹ The emission standards applicable to emergency engines between 25 HP and 130 HP are in terms of NO_x + HC

² 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.

IV. OTHER APPLICABLE ATTACHMENTS:

Attachment 3 to the ATO – Gasoline Fuel Storage and Gasoline Dispensing Facility (GDF) Requirements

Equip. No.	Description/ Location	MFR/ Model	Serial Number/ Unique ID	Rated Capacity	Date of MFR	Date Installed	Gasoline Annual Throughput Limit
13	GDF & Tank(s)	Unknown	Unknown	Unknown	-	-	1,200,000 Gallons

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