

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: Southwest Gas Corporation
 Facility Name: Southern Arizona Operations - Tucson
 Source Location: 3401 E. Gas Road, Tucson, AZ 85726

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
0.32	0.35	0.35	20.41	0.65	3.20	0.01	Negligible	< 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	
							Natural Gas	Fuel Oil	NSPS Subpart Dc	NESHAP Subpart JJJJJ
							(MMcf, hours, CF)	(Gallons, hours, CF)		
6244-001	Boiler	Harsco Industries /N2000-MDF	FY28-11-35562 / Boiler 1	2 MMBTU	7/11/2011	4/1/2012	Unlimited	N/A	No	No
6244-002	Boiler	Raypak/H5-1414C	1404377429 / Boiler 2	1.414 MMBTU	1/1/2014	7/1/2014	Unlimited	N/A	No	No

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 #6244	
Issued Date:	March 16, 2020
Effective Date:	March 16, 2020
Expiration Date:	January 4, 2022

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Section 4B – 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
6244-003	Generator/ Cooling Tower Yard	Caterpillar/3412	KAP00455/G01	469 HP	2/2006	12/2008	100 hours	Natural Gas
6244-004	Generator/ Warehouse	Onan/30-DEK-15R/21831M	L790472382/G03	40 HP	1979	1979	100 hours	Natural Gas
6244-005	Generator/ Fuel Island	Olympian/G15UIS	D3810A/001/G04	17 HP	1998	1998	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 – 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
6244-006	Generator/ Cooling Tower Yard	Caterpillar/3412	KAP01084 / G02	469 HP	2014	9/2015	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) ¹
		NO _x	CO	VOC	
6244-006	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.

Additional Insignificant Equipment and Activities: The facility contains other equipment and operations identified in the application that that have been determined by the Control Officer to be insignificant activities pursuant to PCC 17.04.340.A.114.j.

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