

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 – LNG Storage Facility, Tucson, AZ
Source Location: 6650 S. Pantano Road, Tucson, AZ 85710

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
1.58	1.58	1.58	9.56	7.25	17.87	0.12	Negligible	0.53

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	Glycol Heater (Boiler)	Devco	TBD ²	45.3 MMBtu/hr	TBD ²	TBD ²	389.05 MMcf, CF = 1.0 8760 hours ³	N/A	Yes	No
02	Glycol Heater (Boiler)	Devco	TBD ²	45.3 MMBtu/hr	TBD ²	TBD ²		N/A	Yes	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.

² TBD – To be determined.

³ One boiler is used for standby purposes. The listed annual limit is for both of the units combined.

Rupesh Patel, Air Permit Manager, PDEQ

ATO # 6222	
Issue Date:	April 16, 2018
Effective Date:	April 17, 2018
Expiration Date:	January 4, 2022

AUTHORIZATION TO OPERATE (ATO)

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



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
03	Fire Pump Engine	Clarke / JX6H-UFAD88 ²	TBD ³	617 hp	TBD ³	TBD ³	100 hrs	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.

² Preliminary – subject to change.

³ TBD – To be determined.

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)
03	Model Year ≥ 2009; or	--	--	(3.0)	(2.6)	(0.15)	8000 hours or 10 years, whichever comes first
03	Model Year ≥ 2008; or	--	--	(4.0)	(2.6)	(0.15)	8000 hours or 10 years, whichever comes first
03	Model Year 2007 and earlier	--	--	(7.8)	(2.6)	(0.40)	8000 hours or 10 years, whichever comes first

Rupesh Patel, Air Permit Manager, PDEQ

ATO # 6222	
Issue Date:	April 16, 2018
Effective Date:	April 17, 2018
Expiration Date:	January 4, 2022

AUTHORIZATION TO OPERATE (ATO)

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



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
04	Caterpillar	G3512	TBD ²	1676 hp	TBD ²	TBD ²	100 hrs	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.

² TBD – To be determined.

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	
04	Emergency ICE ≥ 130 HP	2.0 (160)	4.0 (540)	1.0 (86)	See Note 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.

Rupesh Patel, Air Permit Manager, PDEQ

ATO # 6222	
Issue Date:	April 16, 2018
Effective Date:	April 17, 2018
Expiration Date:	January 4, 2022