

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: Town of Sahuarita
 Facility Name: Public Works Sahuarita Water Reclamation Facility (SWRF)
 Source Location: 14311 S. Rancho Sahuarita Blvd, Tucson, AZ 85629

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 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	Limitation ¹	Allowable Fuels
1755-001	Generator	Caterpillar/3406	4ZRO6195	519 hp	1/1/2000	Unknown	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.

Rupesh Patel, Air Program Manager, PDEQ

ATO #1755	
Issued Date:	1/23/2020
Effective Date:	1/23/2020
Expiration Date:	January 4, 2022

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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
1755-002	Generator	Kohler/	2221771	2682 hp	Sep-08	Unknown	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)
1755-002	Model Year 2007 and Later Emergency	-	-	4.8	2.6	0.15	8,000 hours or 10 years, whichever comes first.

III. OTHER APPLICABLE EQUIPMENT & ATTACHMENTS:

Attachment 5 to the ATO – Liquid Wastewater Treatment, Biosolids Handling & Odor Systems Control Requirements

Equip. No.	Description/ Location	MFR/ Model	Serial Number/ Unique ID	Rated Capacity	Date of MFR	Date Installed
1755-003	Lo/Pro Odor Control System	Siemens/LP 6500	OC-SCR-1220	20,000 scfm	Unknown	Unknown-
1755-004	Lo/Pro Odor Control System	Siemens/LP 6500	OC-SCR-1221	20,000 scfm	Unknown	Unknown

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SPECIFIC CONDITIONS

Attachment 5 to ATO – Liquid Wastewater Treatment, Biosolids Handling & Odor Control Systems Control Requirements

All provisions of this Attachment contain standards that apply to Municipal Waste Water Treatment/Reclamation Facilities for control of odors and emissions of hydrogen sulfide and are locally enforceable unless otherwise noted.

STANDARDS OF PERFORMANCE

1. No person shall allow hydrogen sulfide (H₂S) to be emitted from any location in such manner and amount that the concentration of such emissions into the ambient air at any occupied place beyond the premises on which the source is located exceeds 0.03 parts per million by volume for any averaging period of 30 minutes or more. [PCC 17.16.430.H]
2. The Permittee shall install, operate, and maintain air pollution control equipment or use good modern practices to minimize gaseous or odorous materials from being emitted in such quantities or concentrations as to cause air pollution. [PCC 17.16.030 & PCC 17.16.430 F & G][SIP Rule 344.A]
3. When required, the Permittee shall at all times vent sulfurous gases, vapors and gas entrained effluents to an Emission Control System (ECS) designed for the treatment and control of sulfurous compounds to demonstrate compliance with Permit Condition 1 of this Attachment. [PCC 17.16.430.F & G] [SIP Rule 221.A]

RECORDKEEPING REQUIREMENTS

[PCC 17.12.040.A.3 and 4] [SIP Rule 611]

The Permittee shall keep the following records on site and available upon request. The records shall be retained for 5 years.

4. The Permittee shall maintain records of any process upsets that would cause the release of H₂S or other waste gases into the atmosphere. Examples of such upsets would include failure of the blowers in the recirculation of gases in the aeration process or a catastrophic failure of the ECS responsible for H₂S removal.
5. The Permittee shall retain all records pertaining to the repairs and schedules required to restore the treatment process after upset. The Permittee shall retain records of the operational parameter tests used to ensure proper operation of the process.