

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 Regional Wastewater Reclamation Department
 Facility Name: Tres Rios Water Reclamation Facility
 Source Location: 7101 N Casa Grande Highway, Tucson, AZ 85743

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	
							Natural Gas	Digester Gas	NSPS Subpart Dc	NESHAP Subpart JJJJJ
							(MMcf, hours, CF)	(MMcf, hours, CF)		
1903-003	Boiler	Cleaver Brooks/WG-700-250125	T3421-1-1	10.5 MMBTU	2013	2013	NA	NA	Yes	No
1903-004	Boiler	Cleaver Brooks/WG-700-250125	T3421-1-2	10.5 MMBTU	2013	2013	NA	NA	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.

*For the above authorized facility, the types of fuel limitation in Condition 34 of the General Permit #6205 has been severed by the Control officer pursuant to PCC 17.13.020.A.6 allowing for the use of digester gas as fuel in the boilers for this facility.

Rupesh Patel, Air Program Manager, PDEQ

ATO #1903	
Issued Date:	January 10 2020
Effective Date:	January 13, 2020
Expiration Date:	January 4, 2022

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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
1903-005	Generator/Bldg 16	Cummins/250GFBC	M12K482738	225 HP	12/21/12	05/16/13	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	
1903-005	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.

Sections 1 & 2 of the Permit – Other Fuel Burning Equipment Allowed by the Permit:

Equip. No.	Description/ Location	MFR/ Model	Serial Number/ Unique ID	Maximum Rated Capacity	Date of MFR	Date Installed	Limitation ¹	Allowable Fuels
1903-001	Enclosed Flare	John Zink/ZTOF	BF9134479	1000 SCFM	2013	2013	NA	Digester Gas/Natural Gas
1903-002	Emergency Open Flare	Shand & Jurs/97301	11302268	720 ACFM	2010	2010	NA	Digester Gas

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IV. OTHER APPLICABLE ATTACHMENTS:

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

Operations	Throughput
Liquid Wastewater Treatment	50 MGD
Biosolids Handling	60,409 TPY
Odor/Hydrogen Sulfide Control Systems and Practices	NA

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