

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 Facilities Management
 Facility Name: Mission Road Complex
 Source Location: Mission Rd & Silverlake Rd, Tucson, AZ 85713

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.- Location ²	Description	MFR/ Model	Serial Number/ Unique ID	Maximum Rated Capacity	Date of MFR	Date Installed	Allowable Fuels and Annual Limits		Applicability ¹	
							Natura l Gas	Fuel Oil	NSPS Subpart Dc	NESHAP Subpart JJJJJ
							(MMcf, hours, CF)	(Gallons, hours, CF)		
642-01-MJE	Boiler	Rite /200W	28778	2 MMBTU	1/1/2002	3/1/2005	Unlimited	NA	N/A	N/A
642-02-MJE	Boiler	Rite/200W	28779	2 MMBTU	2013	2013	Unlimited	NA	N/A	N/A
642-04-MJPW	Boiler	Lochinvar CBN-1255	C027019	1.26 MMBtu/hr	2-12-2002	2-30-2002	Unlimited	N/A	N/A	N/A
642-05-MJMR	Boiler	Lochinvar CBN-1255	A025076	1.26 MMBtu/hr	1-8-2002	1-30-2002	Unlimited	N/A	N/A	N/A
642-06-MJE	Boiler	Rinnei CU199IN	L.H.BA-096803	0.199	8-2019	2020	Unlimited	NA	NA	NA

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							Natura l Gas	Fuel Oil	NSPS Subpart Dc	NESHAP Subpart JJJJJ
							(MMcf, hours, CF)	(Gallons, hours, CF)		
642-22 MJ	Water Heater	Bradford White KBI7807214	D100L1993N	0.399 MMBtu/hr	3/2014	2014	Unlimited	NA	NA	NA
642-09 MJA	Boiler	Lochinvar CWN-0645PM	I05H0018011	0.645 MMBtu/hr	1-1-2005	1-30-2005	Unlimited	N/A	N/A	N/A
642-10 MJ	Clothes Dryer	UNIMAC UT170NRMF6K1W01	040510743	0.395 MMBtu/hr	7-2-2001	7-2-2001	Unlimited	N/A	N/A	N/A
642-11 MJ	Clothes Dryer	UNIMAC UT170NRMF6K1W01	040510551	0.395 MMBtu/hr	7-2-2001	7-2-2001	Unlimited	N/A	N/A	N/A
642-12 MJ	Clothes Dryer	UNIMAC UT170NRMF6K1W01	040510742	0.395 MMBtu	7-2-2001	7-2-2001	Unlimited	N/A	N/A	N/A
642-13 MJ	Clothes Dryer	UNIMAC UT170NRMF6K1W01	040510552	0.395 MMBtu	7-2-2001	7-2-2001	Unlimited	N/A	N/A	N/A
642-14 MJ	Clothes Dryer	UNIMAC UT170NRMF6K1W01	091009177	0.395 MMBtu	1-1-2007	1-30-2007	Unlimited	N/A	N/A	N/A
642-15 MJ	Water Heater	Bradford White D80L3993NA	FG12176177	0.399	1-1-2009	6-20-2007	Unlimited	N/A	N/A	N/A
642-16 MJ	Water Heater	Bradford White D80L3993NA	FG12176178	0.399	1-1-2009	6-20-2007	Unlimited	N/A	N/A	N/A
642-17 MJA	Water Heater	Bradford White D80L3993NA	FH12293277	0.399	1-1-2009	6-20-2007	Unlimited	N/A	N/A	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.

² MJ – Main Jail, MSF – Minimum Security Facility, MJE – East Unit, MJA – West Unit

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Section 4A of the Permit – Non-NSPS/Non-NESHAP ICE (Emergency Designated Engines):

Equip. No.-Location ²	Description	MFR/Model	Serial Number/Unique ID	Maximum Rated Capacity	Date of MFR	Date Installed	Limitation ¹	Allowable Fuels
642-18-MJE	Generator	Detroit Diesel	755580	1087 hp	Feb-05	3/1/2005	100 hours	Diesel
642-20-MSF	Generator	Cummins	D050775475	100 hp	May-05	5/30/2005	100 hours	Natural Gas

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.

² MJ – Main Jail, MSF – Minimum Security Facility , MJE – East Unit, MJA – West Unit

Section 4C – NSPS for CI ICE (Emergency Designated Engines):

Equip. No.-Location	Description	MFR/Model	Serial Number/Unique ID	Maximum Rated Capacity	Date of MFR	Date Installed	Run Hour Limitation ¹	Allowable Fuels
642-19-MJA	Generator	Caterpillar/D300/LS SN	CAT000C9LRZ900147	402 hp	2020	2020	100	Diesel
642-21-MJ	Generator	Generac Perkins/Type SD500	17731770200	762 hp	9/24/2014	Oct 2012	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.

² MJ – Main Jail, MSF – Minimum Security Facility , MJE – East Unit, MJA – West Unit

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)
642-19	Model Year 2007 and Later Emergency	-	-	3.0	2.6	0.15	8,000 hours or 10 years, whichever comes first.
642-21	Model Year 2007 and Later Emergency	-	-	4.8	2.6	0.15	8,000 hours or 10 years, whichever comes first.

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