

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: Banner-University Medicine Division
 Facility Name: Banner-University Medical Center Tucson
 Source Location: 1501 N Campbell Ave, Tucson, AZ 85724

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

Equipment Number	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)		
2850-010	Boiler	CleaverBrooks/CFLC	16010120210020	11.7 MMBtu/hr	1/1/2017	9/15/2017	Unlimited	NA	Yes	NA
2850-011	Boiler	CleaverBrooks/CFLC	16010120210021	11.7 MMBtu/hr	1/1/2017	9/15/2017	Unlimited	NA	Yes	NA
2850-012	Boiler	CleaverBrooks/CFLC	16010120210022	11.7 MMBtu/hr	1/1/2017	9/15/2017	Unlimited	NA	Yes	NA
2850-013	Boiler	CleaverBrooks/CFLC	16010120210023	11.7 MMBtu/hr	1/1/2017	9/15/2017	Unlimited	NA	Yes	NA
2850-014	Boiler	CleaverBrooks/CFLC	16010120210024	11.7 MMBtu/hr	1/1/2017	9/15/2017	Unlimited	NA	Yes	NA
2850-015	Boiler	CleaverBrooks/CFLC	16010120210025	11.7 MMBtu/hr	1/1/2017	9/15/2017	Unlimited	NA	Yes	NA
2850-016	Boiler	Bryant/EB175-S-150-FDG	101316	7.325 MMBtu/hr	7/19/2017	TBD	Unlimited	NA	NA	NA

ATO #2850	
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Equipment Number	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)		
2850-017	Boiler	Bryant/EB175-S-150-FDG	101321	7.325 MMBtu/hr	7/19/2017	TBD	Unlimited	NA	NA	NA

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.

Section 4A of the Permit – Non-NSPS/Non-NESHAP ICE (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
2850-002	Generator	Kohler/125R0ZJ71	RG6076T142231	66 hp	1/1/1990	-	100 hours	Diesel
2850-003	Generator	Kohler/20R0ZJ71	T04039D347342	66 hp	1/1/1991	-	100 hours	Diesel
2850-004	Generator	Caterpillar/3512	24Z05178	1482 hp	1/1/1993	-	100 hours	Diesel
2850-005	Generator	Caterpillar/3412	24Z05181	1482 hp	1/1/1993	-	100 hours	Diesel
2850-006	Generator	Caterpillar/3512	1KZ02231	1603 hp	1/1/2005	-	100 hours	Diesel

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.

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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
2850-001	Generator	Caterpillar/3512	SYC00518	1502 hp	8/3/2006	-	100	Diesel
2850-007	Generator	Caterpillar/3516C	SBJ02152	2682 hp	1/1/2017	9/15/2017	100	Diesel
2850-008	Generator	Caterpillar/3516C	SBJ02153	2682 hp	1/1/2017	9/15/2017	100	Diesel
2850-009	Generator	Caterpillar/3516C	SBJ02154	2682 hp	1/1/2017	9/15/2017	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)
2850-001	Model Year 2007 and Later Emergency	-	-	4.8	2.6	0.15	8,000 hours or 10 years, whichever comes first.
2850-007	Model Year 2007 and Later Emergency	-	-	4.8	2.6	0.15	8,000 hours or 10 years, whichever comes first.
2850-008	Model Year 2007 and Later Emergency	-	-	4.8	2.6	0.15	8,000 hours or 10 years, whichever comes first.
2850-009	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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