Unregulated Emission Units

The combustion units in the attached table are not included in permit 0310142-007-AO as each one meets one or more of the following exemption criteria.

40CFR63 Subpart YYYY—National Emission Standards for Hazardous Air Pollutants for Stationary Combustion Turbines, does not apply as this facility is not a major source of HAP.

40CFR60 Subpart GG—Standards of Performance for Stationary Gas Turbines, does not apply as the maximum heat input for each unit is <10 MMBtu per hour.

40CFR60 Subpart KKKK—Standards of Performance for Stationary Combustion Turbines, does not apply as the maximum heat input for each unit is <10 MMBtu per hour.

40CFR63 Subpart ZZZZ—National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines, does not apply as each unit is an existing institutional emergency stationary RICE located at an area source of HAP emissions per Section 63.6590(b)(3)(viii).

40CFR60 Subpart IIII—Standards of Performance for Stationary Compression Ignition Internal Combustion Engines, does not apply as each unit was constructed, modified, or reconstructed prior to July 11, 2005.

40CFR60 Subpart JJJJ—Standards of Performance for Stationary Spark Ignition Internal Combustion Engines, does not apply as each unit was constructed, modified, or reconstructed prior to June 12, 2006.

Shands Jacksonville Medical Center (Facility I.D. 0310142)
Jacksonville, Duval County, Florida

Annual Fuel Usage Rates
Emergency Generators

Hours of Operation[1] - 240 hours/yr

Generator Location	Manufacturer	Fuel Type	Ignition Type	Rating (KW)	Rating (HP_{brake})[2]	Heat Input Rate (MMBTU/hr)[3]	Fuel Usage Rate[4]	Date of Manufacture	Date of Construction/ Modification/ Reconstruction	No. of Cylinders	Engine Displacement (L or cm^3)
South Pavilion	Caterpillar	Diesel	Compression	600	800	2.05	3,590 gal/yr	1987	Aug-87	8	34.5 L
Clinical Center	Caterpillar	Diesel	Compression	560	750	1.91	3,350 gal/yr	Pre-dates 2005	Pre-dates 2005	16	64.35 L
Clinical Center	Caterpillar	Diesel	Compression	560	750	1.91	3,350 gal/yr	Pre-dates 2005	Pre-dates 2005	16	64.35 L
Clinical Center	Caterpillar	Diesel	Compression	560	750	1.91	3,350 gal/yr	Pre-dates 2005	Pre-dates 2005	16	64.35 L
Clinical Center	Caterpillar	Diesel	Compression	560	750	1.91	3,350 gal/yr	Pre-dates 2005	Pre-dates 2005	12	51.8 L
Clinical Center	Caterpillar	Diesel	Compression	560	750	1.91	3,350 gal/yr	Pre-dates 2005	Pre-dates 2005	12	51.8 L
North Pavilion	Caterpillar	Diesel	Compression	400	535	1.37	2,390 gal/yr	Aug-68	1968	12	48.3 L
TBD	Unknown	Diesel	Compression	300	400	1.02	1,800 gal/yr	Pre-dates 2005			
Faculty Clinic	Cummins	Diesel	Compression	280	375	0.96	1,670 gal/yr	1989	1989	6	14.01 L
North Garage	Caterpillar	Diesel	Compression	240	320	0.82	1,450 gal/yr	Pre-dates 2005	Pre-dates 2005	6	14.6 L
Tower 2	Caterpillar	Diesel	Compression	168	225	0.57	1,000 gal/yr	1979	1979	6	14.6 L
South Garage	Detroit	Diesel	Compression	140	190	0.48	840 gal/yr	Pre-dates 2005	Pre-dates 2005	8	9.32 L
LRC	Cummins	Diesel	Compression	120	160	0.41	720 gal/yr	1990	1990	6	8.3 L
Tower 1	Caterpillar	Diesel	Compression	120	160	0.41	720 gal/yr	1974	1974	6	10.5 L
POB	Caterpillar	Natural Gas	Spark	120	160	0.41	0.094 MMscf/yr	May-95	Jan-98	6	10.5 L

(1) Each generator typically operates approximately 16 hours per year plus any period of power outage that may occur. Hours of operation are based on 16 hours of operation and a 15X safety factor.
(2) Based on 1 KW = 1.341 HP_{brake}
(3) Based on AP-42, Appendix A, 1 KW = 3413 BTU/hr
(4) Fuel usage rate based on annual hours of operation and fuel heating value. Based on AP-42, Appendix A, the heating values for diesel and natural gas are 0.137 MMBTU/gal and 1050 BTU/scf, respectively.