Table 1-1, Summary of Air Pollutant Standards and Terms

City of Tallahassee, Electric Utilities Department
Arvah B. Hopkins Generating Station

Permit No. 0730003-014-AV
Facility ID No. 0730003

This table summarizes information for convenience purposes only. This table does not supersede any of the terms or conditions of the permit.

E. U. ID No.	Brief Description	Pollutant Name	Fuel(s)	Hours/ Year	Allowable Emissions Standard(s)	Allowable Emissions lbs./hour	Allowable Emissions TPY	Equivalent Emissions* lbs./hour	Equivalent Emissions* TPY	Regulatory Citation(s)	See Permit Condition(s)
-001	Boiler #1 (903 MMBtu/hour)	VE	No. 2 - No. 6 F.O.	8760	20%; 40% - 1 two min. period/hr.			N/A	N/A	62-296.405(1)(a)	A.5. & A.6.
	Acid Rain Phase II Unit		Natural Gas	8760	20%; 40% - 1 two min. period/hr.			N/A	N/A	62-296.405(1)(a)	A.5. & A.6.
		PM	No. 2 - No. 6 F.O.	8760	0.1 lb/MMBtu	N/A	N/A	90.3	395.5	62-296.405(1)(b)	A.7.
			Natural Gas	8760	0.1 lb/MMBtu	N/A	N/A	90.3	395.5	62-296.405(1)(b)	A.7.
		PM - SB	No. 2 - No. 6 F.O.	3 hr/day	0.3 lb/MMBtu	N/A	N/A	270.9	494.4	62-210.700(3)	A.8.
		**	Natural Gas	3 hr/day	0.3 lb/MMBtu	N/A	N/A	270.9	494.4	62-210.700(3)	A.8.
	(75 MW Turbine-generator)	SO_2	No. 2 - No. 6 F.O.	8760	0.75 lb/MMBtu	N/A	N/A	677.3	2,966.4	Applicant Request	A.9 & A10.
	(each unit)		Natural Gas	8760	N/A	N/A	N/A	N/A	N/A	62-296.405(1)(c)	A.9 & A10.
-002	Combustion Turbine No. 1	VE	No. 2 F.O.	8491	Less than 20%	N/A	N/A	N/A	N/A	62-296.320(4)(b)	B.5.
	(228 MMBtu/hour)		Natural Gas	8491	Less than 20%	N/A	N/A	N/A	N/A	62-296.320(4)(b)	B.5.
		SO_2	No. 2 F.O.	8491	0.4% sulfur	N/A	N/A	97.4	413.5	AO37-242824	B.6.
			Natural Gas	8491	N/A	N/A	N/A	N/A	N/A	N/A	N/A
-003	Combustion Turbine No. 2	VE	No. 2 F.O.	7071	Less than 20%	N/A	N/A	N/A	N/A	62-296.320(4)(b)	B.5.
	(446 MMBtu/hour)		Natural Gas	7071	N/A	N/A	N/A	N/A	N/A	62-296.320(4)(b)	B.5.
		SO2	No. 2 F.O.	7071	0.4% sulfur	N/A	N/A	190.6	673.9	AO37-242824	B.6.
			Natural Gas	7071	N/A	N/A	N/A	N/A	N/A	N/A	N/A

E. U. ID No.	Brief Description	Pollutant Name	Fuel(s)	Hours/ Year	Allowable Emissions Standard(s)	Allowable Emissions lbs./hour	Allowable Emissions TPY	Equivalent Emissions* lbs./hour	Equivalent Emissions* TPY	Regulatory Citation(s)	See Permit Condition(s)
-031	Combustion Turbine HC3	VE	No. 2 F.O.	4000	10%			N/A	N/A	0730003-005-AC	C.11.
&	&		Natural Gas	5840	10%			N/A	N/A	0730003-005-AC	C.11.
-032	Combustion Turbine HC4	CO	No. 2 F.O.	4000	6.0 ppmvd @ 15% O2			6.35		0730003-005-AC	C.7.
	(434 MMBtu/hour - Oil)		Natural Gas	5840	6.0 ppmvd @ 15% O2			6.27	36.9	0730003-005-AC	C.7.
	(445 MMBtu/hour - Gas)	VOC	No. 2 F.O.	4000	3.0 ppmvd @ 15% O2			2.66		0730003-005-AC	C.12.
			Natural Gas	5840	3.0 ppmvd @ 15% O2			1.79	13.9	0730003-005-AC	C.12.
	(50 MW each)	SO_2	No. 2 F.O.	4000	0.05%S	N/A	N/A	10.31		0730003-005-AC	C.3.
			Natural Gas	5840	2 gr S/100scf	N/A	N/A	1.13	43.4	0730003-005-AC	C.3.
		NOx	No. 2 F.O.	4000	5.0 ppmvd @ 15% O2			8.67		0730003-005-AC	C.8.
			Natural Gas	5840	5.0 ppmvd @ 15% O2			8.62	50.5	0730003-005-AC	C.8.
		SAM	No. 2 F.O.	4000	0.05%S	N/A	N/A	9.66		0730003-005-AC	C.3.
			Natural Gas	5840	2 gr S/100scf	N/A	N/A	1.15	40.8	0730003-005-AC	C.3.
		Ammonia	No. 2 F.O.	4000	10.0 ppmvd @ 15% O2			1.6		0730003-005-AC	C.9.
			Natural Gas	5840	10.0 ppmvd @ 15% O2			1.6	9.32	0730003-005-AC	C.9.
-033	Combined Cycle	CO	Gas -- Combined Cycle	8760	16.8 ppmvd @ 15% O2			96.8		0730003-009-AC	D.7.
	Combustion Turbine 2A		Gas -- SC/Bypass		10.0 ppmvd @ 15% O2			41.7		0730003-009-AC	D.7.
			Oil -- Combined Cycle		21.4 ppmvd @ 15% O2			142.9		0730003-009-AC	D.7.
			All Fuels -- All Methods				340.1 Tons			0730003-009-AC	D.7.
		NOx	Gas -- Combined Cycle	8760	5.0 ppmvd @ 15% O2			47.8		0730003-009-AC	D.7.
			Gas -- SC/Bypass		9.0 ppmvd @ 15% O2			61.8		0730003-009-AC	D.7.
			Oil -- Combined Cycle		10.0 ppmvd @ 15% O2			108.4		0730003-009-AC	D.7.
		VE	All Fuels -- All Methods	8760	10%					0730003-009-AC	D.7.
		Ammonia	All Fuels -- All Methods		10.0 ppmvd @ 15% O2					0730003-009-AC	D.7.

Notes:

* The "Equivalent Emissions" listed are for informational purposes.