

EXECUTIVE SUMMARY

The annual compliance test results for Unit 1 Combustion Turbine meet all mass emission requirements listed in the Florida Department of Environmental Protection (FDEP) Permit. All tests were conducted on natural gas firing only. The unit's emissions were also monitored at three lower load levels. Results are presented in Table 2.

Pollutant	Source	Actual Emissions	Total Plant Allowable Emissions
UNIT 1			
NO _x	CT	41.6 lbs/hr, 23.7 ppm _v d @ 15% O ₂	85.5 lbs/hr, 25ppm _v d @ 15% O ₂
	DB	1.86 lbs/hr, 0.048 lbs/MMBTU	18.0 lbs/hr, 0.1 lbs/MMBTU
	CT & DB	43.4 lbs/hr	103.5 lbs/hr
CO	CT	25.1 lbs/hr, 26.6 ppm _v d	56.0 lbs/hr, 28 ppm _v d
	DB	5.39 lbs/hr, 0.139 lbs/MMBTU	36.0 lbs/hr, 0.2 lbs/MMBTU
	CT & DB	30.5 lbs/hr	92.0 lbs/hr

Emission results are provided in Table 1.

SO₂ emissions based on fuel analysis was 0.00606 lb/hr at 49 MW for CT-1.