Table 1
Emission Rates for PTIO Application
Siemens SCC- 8000H Turbine Scenario

Pollutant	Emissions before controls (max) (lb/hr)	Actual emissions* (lb/hr)	Actual emissions (ton/year)	Requested Allowable* lb/hr	Requested Allowable ton/year
Particulate emissions (PE/PM) (formerly particulate matter, PM)	14.00	14.00	61.32	**14.00**	**61.32**
PM # 10 microns in diameter (PE/PM_{10})	14.00	14.00	61.32	**14.00**	**61.32**
PM # 2.5 microns in diameter ($PE/PM_{2.5}$)	14.00	14.00	61.32	**14.00**	**61.32**
Sulfur dioxide (SO_2)	4.40	4.40	18.40	**4.40**	**18.40**
Nitrogen oxides (NO_x)	440.00	22.00	91.98	**22.00**	**91.98**
Carbon monoxide (CO)	130.00	13.00	72.20	**13.00**	**72.20**
Organic compounds (OC)	64.00	6.40	28.60	**6.40**	**28.60**
Volatile organic compounds (VOC)	64.00	6.40	28.60	**6.40**	**28.60**
Lead (Pb)	0.00	0.00	0.00	**0.00**	**0.00**
Total Hazardous Air Pollutants (HAPs)	11.23	1.12	4.92	**1.12**	**4.92**
Highest single HAP:	3.80	0.38	1.47	**0.38**	**1.47**
Toxic Air Contaminants			0.00	**0.00**	
Ammonia (NH_3)	20.00	20.00	83.22	**20.00**	**83.22**
Sulfuric Acid (H_2SO_4)	1.60	1.60	6.57	**1.60**	**6.57**
Toluene	3.80	0.38	1.47	**0.38**	**1.47**
Formaldehyde	3.22	0.32	1.31	**0.32**	**1.31**
GHGs			0.00		
Carbon dioxide (CO_2)	342,358.56	342,358.56	1433924.87	**342,358.56**	**1,433,924.87**
Methane (CH_4)	6.46	6.46	26.90	**6.46**	**26.90**
Nitrous Oxide (N_2O)	1.14	1.14	4.38	**1.14**	**4.38**
CO_2e	342,694.33	342,694.33	1435846.92	**342,694.33**	**1,435,846.92**

* Highest short-term emission rate for all load cases/conditions