Table 5.2-19. Annual Operating Conditions per Generating Set (consisting of 2 CTG/HRSGs)

Number of Startups	45
Hot Starts	*27*
Warm Starts	*6*
Cold Starts	*12*
Startup Time (hrs)	118.5
Turbine Operation (hrs)	8,060
Duct Burner Operation (hrs)	5,260
Total CTG Operating Hours	8,179

The annual PM_{10} emissions are based on emission rates of 9.8 lb/hr for operation without duct burners in service and 12.58 lb/hr for periods when the duct burner is in operation at full load. These values (provided by the turbine vendor) including both filterable (front-half) and condensable (back-half) particulate matter.

Table 5.2-20. Criteria Pollutant Emission Rates for the Turbines and HRSGs During Normal Operation (pounds per hour [all four turbines/HRSGs])

		Ambient Temperature		
Load	**Pollutant**	**17°F**	**62°F**	**112°F**
100%	VOC	8.98	8.37	8.00
	Ammonia Slip	50.76	47.42	44.49
	CO	100.19	93.58	87.80
	NO_X	54.85	51.24	48.07
	SO_2	7.02	6.58	6.30
	PM_{10}	39.36	39.16	39.04
75%	VOC	7.02	6.64	6.09
	Ammonia Slip	40.74	37.81	33.09
	CO	80.41	74.63	65.31
	NO_X	44.02	40.86	35.75
	SO_2	5.69	5.28	4.62
	PM_{10}	38.72	38.52	38.20
50%	VOC	5.69	5.52	5.18
	Ammonia Slip	31.99	29.97	26.15
	CO	63.13	59.16	51.62
	NO_X	34.56	32.39	28.26
	SO_2	4.52	4.23	3.69
	PM_{10}	38.16	38.04	37.76
100% w/ Duct Burners	VOC	17.02	16.10	15.99
	Ammonia Slip	58.01	54.39	51.68
	CO	114.50	107.35	102.00
	NO_X	62.69	58.77	55.85
	SO_2	8.04	7.55	7.31
	PM_{10}	51.00	50.32	50.56