

Table A-9  
Clearwater Port Project  
Platform Stationary Source  
Greenhouse Gas Emissions

Component	Fuel	Number	Rating	Emission Factor Source	Emission Rate (lb/hr)			Annual Hours	Emission Rate (tons/yr)		
					CO2	N2O	CH4		CO2	N2O	CH4
Gas turbines	Natural gas	1	14.4 MW, 143.42 MMBtu/hr @100% Load <sup>1</sup>	AP-42, Section 3.1	15776.2	0.43026	1.233412	8760	69099.76	1.88	5.40
Duct firing	Natural gas	1	1.3 MMSCFd at 1.4 BCFD (100 MMBTU/hr - Max Rate; 60 MMBTU/hr - Annual Average Rate)	AP-42, Section 1.4	11764.706	0.06275	0.22549	8760	30917.64706	0.1649	0.59259
IC engine generator	Natural gas	1	1340 bhp 3516 Caterpillar Generator <sup>2</sup>	AP-42, Section 3.2	1033.4214	0	2.16079	2400	1240.11	0.00	2.59
Firewater pump	Diesel	1	350 BHP	AP-42, Table 3.3-1	402.5	0	0	26	5.23	0.00	0.00
<b>TOTAL</b>					<b>28976.8</b>	<b>0.5</b>	<b>3.6</b>		<b>101262.7</b>	<b>2.0</b>	<b>8.6</b>

<sup>1</sup> MMBtu/hr from Solar Titan 130 specification sheet

Assume 4-stroke, lean burn engine, 7506 BTU/hp-hr = 7.55 M

