

Emissions Summary
Arglass Yamamura, LLC
Valdosta, Georgia

Emissions Calculations

Pollutant	Emission Factor (lb/hp-hr)	Hourly Emission Rate (lb/hr)	Annual Emission Rate (tpy)	Notes
Filterable PM	0.0022	0.19	0.05	3
PM ₁₀	0.0022	0.19	0.05	3
PM _{2.5}	0.0022	0.19	0.05	3
NO _x	0.0123	1.06	0.27	4
CO	8.16E-03	0.70	0.18	4
SO ₂	2.05E-03	0.18	0.04	3
VOC	0.0013	0.12	0.03	3
CO ₂	1.15	98.90	24.73	3
N ₂ O	9.26E-06	0.00	<0.01	5
CH ₄	4.63E-05	0.00	0.00	3
CO ₂ e	-	99.24	24.81	6
Benzene	6.53E-06	0.00	<0.01	7
Toluene	2.86E-06	0.00	<0.01	7
Xylenes	2.00E-06	<0.01	<0.01	7
Formaldehyde	8.26E-06	<0.01	<0.01	7
Acetaldehyde	5.37E-06	<0.01	<0.01	7
Acrolein	6.48E-07	<0.01	<0.01	7
Polycyclic aromatic hydrocarbons (PAH)	1.18E-06	<0.01	<0.01	7
Total HAP	-	0.00	<0.01	

Notes:

1. Emergency generators are limited to 300 hours of operation per year.
2. Per 40 CFR 60.4207(b), represents maximum sulfur content for nonroad diesel fuel, as specified in 40 CFR 80.510(b)(1)(i).
3. Emission factors from AP-42 Section 3.3 *Stationary Diesel Engines* Table 3.3-1 for diesel fuel. As per footnote 'f,' TOC is 9% methane and 91% nonmethane.
4. Emission Factors from EPA Tier 3 requirements for NOX and CO for nonroad diesel engines, 37-75 kW (50-100 hp) in g/bhp-hr, converted to lb/bhp-hr.
5. Emission factor from 40 CFR 98 Table C-2 to Subpart C for petroleum fuel. Convert from kg to lb, and convert from MMBtu to hp-hr (* 7000 Btu/hp-hr / 1,000,000 Btu/MMBtu).
6. Global Warming Potentials from 40 CFR 98 Subpart A Table A-1.
7. Emission factors from AP-42 Section 3.3 *Gasoline and Diesel Industrial Engines* Table 3.3-2. Convert from MMBtu to hp-hr (* 7000 Btu/hp-hr / 1,000,000 Btu/MMBtu).