

Emissions Summary
Arglass Yamamura, LLC
Valdosta, Georgia

Emissions Calculations - Per Engine

Pollutant	Emission Factor (lb/hp-hr)	Hourly Emission Rate (lb/hr)	Annual Emission Rate (tpy)	Notes
Filterable PM	0.0002	0.19	0.05	3
PM ₁₀	0.0002	0.19	0.05	3
PM _{2.5}	0.0002	0.19	0.05	3
NO _x	0.0095	11.57	2.89	3
CO	8.82E-04	1.08	0.27	3
SO ₂	2.05E-03	2.50	0.63	4
VOC	0.0013	1.63	0.41	4
CO ₂	1.15	1403.00	350.75	4
N ₂ O	9.26E-06	0.01	<0.01	5
CH ₄	4.63E-05	0.06	0.01	5
CO ₂ e	-	1407.78	351.94	6
Benzene	6.53E-06	0.01	<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 (1.18E-06	<0.01	<0.01	7
Total HAP	-	0.03	<0.01	

spec sheet
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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 Cummins 2019 EPA Tier 2 Exhaust Emission Compliance Statement included in specification sheet.
4. Emission factors from AP-42 Section 3.3 Stationary Diesel Engines Table 3.3.-1 for diesel fuel.
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.
Convert from MMBtu to hp-hr (* 7000 Btu/hp-hr / 1,000,000 Btu/MMBtu).