

G05 - BULK GASOLINE STORAGE FACILITIES WITH FIXED ROOF TANKS.

CALCULATION METHODS

$E_a = U_a \times EF \text{ (lbs TOG/1000 gallons throughput)} \times C_i \text{ (lbs Ci/lb TOG)}$

$E_h = T \text{ (maximum fuel delivery capacity)} \times EF \text{ (lbs TOG/1000 gallons delivered)} \times C_i \text{ (lbs Ci/lb TOG)}$

NOTES:

- Annual throughput (U_a) is for gasoline only, do not include diesel or jet fuels.
- Use a set ROG / TOG factor of 1.87 lbs/1000 gallons thrupt for annual estimates.
- Max. hourly emissions are assumed to occur during fuel delivery.
- Use a set ROG / TOG Factor of 0.85 lbs/1000 gallon delivered for hourly estimates.
- Use these factors for small fixed roof terminals (i.e.; Ochs Oil, Ramona Oil, Fallbrook Oil, Shuster Oil, etc.)
- All emissions are speciated using average vapor concentration values for reformulated & oxygenated gasoline.
- Emissions from both loading the u/g tank and extracting fuel are assumed equivalent. All other facts are same as standard values.

POLLUTANT	District Emission Factor	EPA REFERENCE	ARB	(UNITS)	COMMENTS
	(lbs/lb emissions)	DOCUMENT	FACTOR		
NOX					
CO					
SOX					
TOG	1.000	AP-42, Section 5.2 and others	1.87	lbs/1000 gal	Sum of loading (0.85), breathing (0.15), reloading (0.85), and loading rack (0.02).
ROG	1.000	AP-42, Section 5.2 and others	1.87	lbs/1000 gal	Sum of loading (0.85), breathing (0.15), reloading (0.85), and loading rack (0.02).
TSP					
PM10					
BENZENE	0.0040		0.40%	weight percent	ASSUMES 0.4% BY WEIGHT IN VAPOR
ETHYL BENZENE	0.0010		0.10%	weight percent	ASSUMES 0.1% BY WEIGHT IN VAPOR
HEXANE	0.0140		1.40%	weight percent	ASSUMES 1.4% BY WEIGHT IN VAPOR
LEAD					
TOLUENE	0.0110		1.10%	weight percent	ASSUMES 1.1% BY WEIGHT IN VAPOR
2,2,4-TRIMETHYLPENTANE	0.0070		0.70%	weight percent	ASSUMES 0.7% BY WEIGHT IN VAPOR
XYLENES	0.0040		0.40%	weight percent	ASSUMES 0.4% BY WEIGHT IN VAPOR

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