

Emissions - Approximate Conversion Factors					
lbs/mmbtu to ppm (ref. 3% O2, dry)					
	Natural Gas	Propane	#2 Oil	#6 Oil	
NOx:	833	711	780	777	
CO:	1368	1169	1282	1277	
SOx:	599	511	561	559	
UBHC / VOC:	2394	2045	2244	2235	
Example: NOx = 0.15 lbs/mmbtu firing natural gas NOx in ppm = 0.15 * 833 = 125 ppm					
lbs/mmbtu to mg/nm3 (ref. 3% O2, dry, 1 atm, 0°C)					
	Natural Gas	Propane	#2 Oil	#6 Oil	
	1704	1676	1619	1576	
lbs/mmbtu to mg/nm3 (ref. 5% O2, dry, 1 atm, 0°C)					
	Natural Gas	Propane	#2 Oil	#6 Oil	
	1532	1489	1442	1404	
lbs/mmbtu to mg/nm3 (ref. 11% O2, dry, 1 atm, 0°C)					
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	952	935	887	880	
Example: NOx = 0.15 lbs/mmbtu firing natural gas NOx in mg/nm3 = 0.15 * 1704 = 226 mg/nm3 (ref. 3% O2, dry, 1 atm, 0C)					

Notes: 1. UBHC / VOC conversion based on methane, CH4.

2. NG conversions based on analysis: CH4: 95%, C2H6: 5%, N2: 5%

3. #2 oil conversions based on analysis: C: 87.7%, H: 12.1%, N: .02%, S: 0.2%

4. #6 oil conversions based on analysis: C: 88.2%, H: 10.4%, N: 0.4%, S: 1%

5. Propane conversions based on analysis: C3H8: 100%