

Appendix E

VCAPCD PEETS Emission Factors for Crude Oil Wells

APPENDIX G

PEETS Emission Factors

SCC 10100601	Utility Boiler - Nat Gas	Pounds per MMcf	Date of Change
	Reactive Organics	1.4	6/19/1997
	Nitrogen Oxides	550	6/19/1997
	Particulate Matter	2.5	12/9/1999
	Sulfur Oxides	0.6	6/19/1997
	Carbon Monoxide	40	6/19/1997

AP-42(1/95), Table 1.4-2, 1.4-3, 1.4-1; ROC/TOC=0.835(FIRE)

SCC 10200501	Ind Boiler #1/#2 Fuel Oil	Pounds per MGallons	Date of Change
	Reactive Organics	0.2	4/28/1997
	Nitrogen Oxides	20	4/28/1997
	Particulate Matter	2	4/28/1997
	Sulfur Oxides	71.8	4/28/1997
	Carbon Monoxide	5	4/28/1997

AP-42 (1/95), Table 1.3-2, 1.3-4; S=0.5%.

SCC 10200504	Boiler #4/#5/#6 Fuel Oil	Pounds per MGallons	Date of Change
	Reactive Organics	0.2	4/28/1997
	Nitrogen Oxides	20	4/28/1997
	Particulate Matter	7	4/28/1997
	Sulfur Oxides	75.8	4/28/1997
	Carbon Monoxide	5	4/28/1997

AP-42 (1/95), Table 1.3-2, 1.3-4; S=0.5%. Factors for #4. Override for others.

SCC 10200601	Boiler-Nat Gas-Default	Pounds per MMcf	Date of Change
	Reactive Organics	5.5	4/24/2003
	Nitrogen Oxides	100	4/24/2003
	Particulate Matter	7.6	4/24/2003
	Sulfur Oxides	0.6	4/24/2003
	Carbon Monoxide	84	4/24/2003

AP-42 Table 1.4-1 and 1.4-2, July 1998. NOx Factor-Uncontrolled < 100 MMBTU/hr.

SCC 10200602	Boiler-NG-40 ppm NOx	Pounds per MMcf	Date of Change
	Reactive Organics	5.5	4/24/2003
	Nitrogen Oxides	50	4/24/2003
	Particulate Matter	7.6	4/24/2003
	Sulfur Oxides	0.6	4/24/2003
	Carbon Monoxide	84	4/24/2003

AP-42 Table 1.4-1 and 1.4-2, July 1998. NOx Factor-40ppm NOx.

SCC 10200603	Boiler-NG-30 ppm NOx	Pounds per MMcf	Date of Change
	Reactive Organics	5.5	5/7/2003
	Nitrogen Oxides	37.5	4/24/2003
	Particulate Matter	7.6	5/7/2003
	Sulfur Oxides	0.6	5/9/2003
	Carbon Monoxide	84	5/7/2003

AP-42 Table 1.4-1 and 1.4-2, July 1998. NOx Factor-30ppm NOx.

SCC 10200604	Boiler-Nat Gas-Dflt-MMBTU	Pounds per MMBTU	Date of Change
	Reactive Organics	0.0052	9/29/2006
	Nitrogen Oxides	0.0952	9/29/2006
	Particulate Matter	0.0072	9/29/2006
	Sulfur Oxides	0.0006	9/29/2006
	Carbon Monoxide	0.08	9/29/2006

Same as SCC 10200601, with units of MMBTU. 1050 BTU/cuft assumed.

SCC 30901503	Aqueous Etching	Pounds per	Pounds	Date of Change
Ammonia		1		9/27/2006
Hydrogen Chloride		1		9/27/2006
SCC 30903007	Forge Oil	Pounds per	Hours	Date of Change
Reactive Organics		1		5/24/1999
Particulate Matter		1		5/24/1999
<i>use source test data</i>				
SCC 30904020	Plasma Arc Metal Depostn	Pounds per	Pounds	Date of Change
Particulate Matter		1		5/2/2002
<i>Use override to input site specific emission factor.</i>				
SCC 31000104	Sumps	Pounds per	Sqft-Surface	Date of Change
Reactive Organics		3.65		7/22/1998
<i>Rockwell/API-March 1980</i>				
SCC 31000105	Pits	Pounds per	Sqft-Surface	Date of Change
Reactive Organics		3.65		7/22/1998
<i>Rockwell/API, March 1980</i>				
SCC 31000122	Crude Oil Well	Pounds per	Well-Day	Date of Change
Reactive Organics		2		7/30/1997
<i>VCAPCD factor</i>				
SCC 31000202	CO2 Unit	Pounds per	Pound Per Hour	Date of Change
Reactive Organics		1		4/17/2002
<i>Override with actual value</i>				
SCC 31000227	Glycol Reboiler Vent	Pounds per	Tons	Date of Change
Reactive Organics		2000		8/13/1998
<i>Use GLYCALC to calculate emissions</i>				
SCC 31306505	Photoresist-Pounds	Pounds per	Pounds	Date of Change
Reactive Organics		1		7/1/1999
<i>Use with mass emission cap</i>				
SCC 31306506	Photoresist-Gallons	Pounds per	Gallon	Date of Change
Reactive Organics		7		8/13/1999
<i>Approximate value-override with actual</i>				
SCC 31306507	Photoresist Stripping	Pounds per	Gallon	Date of Change
Reactive Organics		7		7/21/1999
<i>Approximate value-override with actual</i>				
SCC 31306510	SemiconductorChemVaporDep	Pounds per	Pounds	Date of Change
Reactive Organics		1		7/1/1999
Particulate Matter		1		7/1/1999
<i>Use with mass emission cap</i>				
SCC 31306511	Fiberoptic Preform Deposn	Pounds per	Pounds	Date of Change
Particulate Matter		1		1/5/2004
Chlorine		1		1/5/2004
Hydrogen Chloride		1		1/5/2004
<i>Use override with site specific emission factors.</i>				
SCC 31499999	Lot Acceptance Test-7246	Pounds per	Pounds	Date of Change
Particulate Matter		1		7/24/2000