TABLE 9
RICE EMISSIONS

Caterpillar G3516TALE Gas Lift Compressor

Engine 1

Maximum Horsepower 1340 hp

Pollutant	Maximum horsepower	Emission Factors		Conversion Factor			Emissions			
		Uncontrolled[1]	Controlled[2]				Uncontrolled		Controlled	
		g/hp-hr	*g/hp-hr*	*g/lb*	*hrs/yr*	*lb/ton*	*lb/hr*	*tpy*	*lb/hr*	*tpy*
NO_X	1340	2.00	2	453.6	7440	2000	5.91	21.98	5.91	21.98
CO	1340	2.57	4	453.6	7440	2000	7.59	28.24	11.82	43.96
VOC	1340	0.73	1	453.6	7440	2000	2.16	8.02	2.95	10.99
Formaldehyde	1340	0.20	0.2	453.6	7440	2000	0.59	2.20	0.59	2.20

Aggregated Emissions

Pollutant	Uncontrolled	Controlled
	tpy	*tpy*
NO_X	21.98	21.98
CO	28.24	43.96
VOC	8.02	10.99

Notes:

[1] Uncontrolled Emission Factors Caterpillar GERP sheet - See Attached Gas Engine Site Specific Technical Data Sheet

[2] Controlled Emission Factors applied at JJJJ levels to be conservative based on engine applicablity and raw emissions from the GERP sheet

Sample Calculations

NO_X Uncontrolled Emissions (hp) x 8760 hrs/year x 2.0 g/hp-hr x (1/453.6)(lb/g) (1/2000) (tons/lb)

NO_X Controlled Emissions (hp) x 8760 hrs/year x 2.0(g/hp-hr) x (1/453.6)(lb/g) x (1/2000) x (tons/lb) x1(%)