



EPL No:

12171

Site:

10-14 Industrial Drive, Unanderra

Link to NSW EPA

<https://apps.epa.nsw.gov.au/prpoeapp/Detail.aspx?instid=12171&id=12171&option=licence&searchrange=licence&range=POEO%20licence&prp=no&status=Issued>

Register:

Date	Parameter	Assessment Criteria	Unit of Measure	Discharge Points				
				P1			P2	
				Lowest Sample	Mean of samples	Highest Sample	Boiler stack - low flue	Boiler stack - high flue
9/09/2019	Dry Gas density		kg /m3	1.2	1.2	1.2	112	2
	Moisture		percent	93	96	99	158	221.4
	Molecular weight of stack gases		grams per gram mole	29.2	29.2	29.2	0.82	0.71
	Nitrogen Oxide		mg /m3	N/A	N/A	N/A	44.3	46.1
	CO2		%	N/A	N/A	N/A	8.11	5.32
	CO		mg/m3	N/A	N/A	N/A	7.3	8.88
	Oxygen		%	N/A	N/A	N/A	82.3	85.6
	Temperature		Celsius	22	21.2	24.1	29.5	29.6
	Velocity		m / sec	7.5	11.4	16.5	0.049	0.049
	Volatile organic compounds	40	mg /m3	0	0	0	N/A	N/A
	Volumetric flowrate		m3 per second	1.5	2.2	3.2	8.9	6.8

Date	Parameter	Assessment Criteria	Unit of Measure	Discharge Points				
				P1			P2	
				Lowest Sample	Mean of samples	Highest Sample	Boiler stack - low flue	Boiler stack - high flue
27/09/2018	Dry Gas density		kg /m3	1.2	1.2	1.2	0.8	0.74
	Moisture		percent	93	96	99	5.4	4
	Molecular weight of stack gases		grams per gram mole	29.2	29.2	29.2	30.7	30.7
	Nitrogen Oxide		mg /m3	N/A	N/A	N/A	3.3	2.2
	CO2		%	N/A	N/A	N/A	11.9	11.9
	CO		mg/m3	N/A	N/A	N/A	20	8
	Oxygen		%	N/A	N/A	N/A	20.38	20.58
	Temperature		Celsius	22	23	24.1	168	207
	Velocity		m / sec	4.8	5	5.3	10.4	5.7
	Volatile organic compounds	40	mg /m3	21	24	26	N/A	N/A
	Volumetric flowrate		m3 per second	0.9	1	1	0.51	0.28

Date	Parameter	Assessment Criteria	Unit of Measure	Discharge Points				
				P1			P2	
				Lowest Sample	Mean of samples	Highest Sample	Boiler stack - low flue	Boiler stack - high flue
25/10/2017	Dry Gas density		kg /m3	1.2	1.2	1.2	0.8	0.74
	Moisture		percent	99	99	99	5.4	4
	Molecular weight of stack gases		grams per gram mole	29.2	29.2	29.2	30.7	30.7
	Nitrogen Oxide		mg /m3	N/A	N/A	N/A	3.3	2.2
	NOX @ 3% O2		mg /m3	N/A	N/A	N/A	5	3.3
	CO2		%	N/A	N/A	N/A	11.9	11.9
	CO		mg/m3	N/A	N/A	N/A	20	8
	Oxygen		%	N/A	N/A	N/A	20.38	20.58
	Temperature		Celsius	27	27.7	29.2	168	207
	Velocity		m / sec	5.7	6.1	6.3	10.4	5.7
	Volatile organic compounds	40	mg /m3	0	0	0	N/A	N/A
	Volumetric flowrate		m3 per second	1.1	1.2	1.2	0.51	0.28

Date	Parameter	Assessment Criteria	Unit of Measure	Discharge Points				
				P1			P2	
				Lowest Sample	Mean of	Highest Sample	Boiler stack - low flue	Boiler stack - high
25/10/2017	Dry Gas density		kg /m3	3	1.2	1.2	0.79	0.73
	Moisture		percent	92	96	98	5.4	4
	Molecular weight of stack gases		grams per gram mole	29.2	29.2	29.2	29.4	29.4
	Nitrogen Oxide		mg /m3	N/A	N/A	N/A	42	48.9
	NOX @ 3% O2		mg /m3	N/A	N/A	N/A	63.4	73.9
	CO2		%	N/A	N/A	N/A	6.39	6.44
	CO		mg/m3	N/A	N/A	N/A	127	117
	Oxygen		%	N/A	N/A	N/A	9.71	9.61
	Temperature		Celsius	28.6	30.3	32.2	172	211
	Velocity		m / sec	11.7	12	12.6	11.3	4.7
	Volatile organic compounds	40	mg /m3	0.072	0.075	0.078	N/A	N/A
	Volumetric flowrate		m3 per second	2.3	2.4	2.5	0.554	0.231