EPL No:	12171
Entity Name:	Cleanaway Daniels Waste Services Pty Ltd
Site:	10-14 Industrial Road, Unanderra
Frequency:	Annual
Link to NSW EPA Register:	Click Here

						Discharge Points		
						P1		
Published Date	Obtained Date	Sampled Date	Parameter	Assessment Criteria	Unit of Measure	Lowest Sample	Mean of samples	Highest Sample
5/10/2022	4/10/2022	1/09/2022	Dry Gas density		kg /m3	-	1.287	-
			Moisture		percent	-	2.8	-
			Molecular weight (dry base) of stack gases		grams per gram mole	-	28.84	-
			CO2		%	-	0.04	-
			CO		mg/m3	-		-
			Oxygen		%	-	20.9	-
			Temperature		Celsius	-	24	-
			Velocity		m / sec	-	15.9	-
			Volatile organic compounds	40	mg /m3	2.5	3.6	4.7
			Volumetric flowrate (@ STP)		m3 per second	-	3.133333333	-

						Discharge Points		
						P1		
Published Date	Obtained Date	Sampled Date	Parameter	Assessment Criteria	Unit of Measure	Lowest Sample	Mean of samples	Highest Sample
7/10/2021	6/10/2021	14/09/2021	Dry Gas density		kg /m3	1.2	1.2	1.2
			Moisture		percent	76	78.7	82
			Molecular weight (dry base) of stack gases		grams per gram mole	29.2	29.2	29.2
			CO2		%	0	0	0
			CO		mg/m3	0	0	0
			Oxygen		%	21	21	21
			Temperature		Celsius	22	28.9	31.2
			Velocity		m / sec	12.3	13.2	14.2
			Volatile organic compounds	40	mg /m3	3.4	3.7	4.2
			Volumetric flowrate (@ STP)		m3 per second	2.2	2.4	2.5

						Discharge Points				
						P1			P2	
Published Date	Obtained Date	Sampled Date	Parameter	Assessment Criteria	Unit of Measure	Lowest Sample	Mean of samples	Highest Sample	Boiler Stack - low flue	Boiler Stack - high flue
14/10/2020	13/10/2020	8/09/2020	Dry Gas density		kg /m3	1.2	1.2	1.2	0.89	0.77
			Moisture		percent	86	92.7	99	5.4	4
			Molecular weight of stack gases		grams per gram mole	29.2	29.2	29.2	29.4	29.5
			Nitrogen Oxide		mg /m3	N/A	N/A	N/A	78.7	80.7
			CO2		%	N/A	N/A	N/A	6.7	7.92
			CO		mg/m3	N/A	N/A	N/A	100	116
			Oxygen		%	N/A	N/A	N/A	9.27	7.01
			Temperature		Celsius	22	23.2	26.1	122.8	184.4
			Velocity		m / sec	16.2	16.7	17.2	7.2	6.8
			Volatile organic compounds	40	mg /m3	0	0	0	N/A	N/A
			Volumetric flowrate		m3 per second	3.2	3.3	3.4	0.353	0.334

					Discharge Points				
					P1			P2	
Obtained Date	Sampled Date	Parameter	Assessment Criteria	Unit of Measure	Lowest Sample	Mean of samples	Highest Sample	Boiler Stack - low flue	Boiler Stack - high flue
9/09/2019	14/08/2019	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

					Discharge Points				
					P1			P2	
Obtained Date	Sampled Date	Parameter	Assessment Criteria	Unit of Measure	Lowest Sample	Mean of samples	Highest Sample	Boiler stack - low flue	Boiler stack - high flue
27/09/2018	7/09/2018	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

					Discharge Points				
					P1			P2	
Obtained Date	Sampled Date	Parameter	Assessment Criteria	Unit of Measure	Lowest Sample	Mean of samples	Highest Sample	Boiler stack - low flue	Boiler stack - high flue
25/11/2017	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

					Discharge Points				
					P1			P2	
Obtained Date	Sampled Date	Parameter	Assessment Criteria	Unit of Measure	Lowest Sample	Mean of samples	Highest Sample	Boiler stack - low	Boiler stack - high
16/11/2016	25/10/2016	Dry Gas density		kg /m3	1.2	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

EPA Data Point Reference	EPA Data Point Name	EPA Data Point Description
1	Discharge from stack	Autoclave Exhaust System Stack