



EPL No:	3245
Entity Name:	Cleanaway Daniels NSW Pty Ltd
Site:	2-16 Wiblen Street and 73, 75, 77 and Part of 79 Derby Street, Silverwater NSW 2128
Monitoring Frequency:	Annual & Bi-Annual (Parameter dependent)
Link to NSW EPA Register:	Click Link

Published Date	Obtained Date	Sampling Date	Parameter	O2 Reference (%)	Assessment Criteria	Unit of Measure	Discharge Point
							AQCSS (EPA Discharge Point 3) Result
17/04/2020	7/04/2020	10 & 11/03/2020	Carbon Monoxide	11		mg/m3	<2
			Type 1 and Type 2 Substances in Aggregate (Sb, As, Be, Cd, Cr, Co, Pb, Mn, Hg, Ni, Se, Sn & V)	11	1	mg/m3	0.07
			Cadmium	11	0.2	mg/m3	0.00083
			Mercury	11	0.2	mg/m3	0.00028
			Surfuralic Acid Mist and Sulfuric Trioxide (as SO3)	11	100	mg/m3	11
			Total Solid Particles	11	50	mg/m3	6.3
			Dioxins & Furans	11	0.1	ng/m3	0.0076
			Nitrogen Oxides	7	350	mg/m3	340
			Hydrogen Chloride	11	100	mg/m3	22
			Hydrogen Fluoride	11	50	mg/m3	<1
			Carbon Dioxide			%	0.96
			Dry Gas density			kg/m3	1.291
			Moisture Content			%	5.63
			Molecular weight of stack gases			g/g mole	28.94
			Opacity			% opacity	Continuous Monitoring
			Oxygen (O2)			%	19.6
			Temperature			Degrees Celcius	117°C
			Velocity			m/s	20.6
			Volumetric Flowrate	11		m3/Sec	2.01666667

Obtained Date	Sampling Date	Parameter	O2 Reference (%)	Assessment Criteria	Unit of Measure	Discharge Point
						AQCSS (EPA Discharge Point 3) Result
15/10/2019	5/09/2019	Dioxins & Furans	11	0.1	ng/m3	0.0015
		Carbon Dioxide			%	0.93
		Dry Gas density			kg/m3	1.29
		Moisture Content			%	5.98
		Molecular weight of stack gases			g/g mole	28.92
		Opacity			% opacity	Continuous Monitoring
		Oxygen (O2)			%	19.2
		Temperature			Degrees Celcius	104°C
		Velocity			m/s	21.7
		Volumetric Flowrate	11		m3/Sec	3

Obtained Date	Sampling Date	Parameter	O2 Reference (%)	Assessment Criteria	Unit of Measure	Discharge Point
						AQCSS (EPA Discharge Point 3) Result
5/06/2019	19 & 20/03/2019	Carbon Monoxide	11		mg/m3	3.4
		Type 1 and Type 2 Substances in Aggregate (Sb, As, Be, Cd, Cr, Co, Pb, Mn, Hg, Ni, Se, Sn & V)	11	1	mg/m3	0.66
		Cadmium	11	0.2	mg/m3	0.00039
		Mercury	11	0.2	mg/m3	<0.001
		Surfuralic Acid Mist and Sulfuric Trioxide (as SO3)	11	100	mg/m3	49
		Total Solid Particles	11	50	mg/m3	8.5
		Dioxins & Furans	11	0.1	ng/m3	0.0069
		Nitrogen Oxides	7	350	mg/m3	330
		Hydrogen Chloride	11	100	mg/m3	8.4
		Hydrogen Fluoride	11	50	mg/m3	1.9
		Carbon Dioxide			%	1.65
		Dry Gas density			kg/m3	1.297
		Moisture Content			%	5.66
		Molecular weight of stack gases			g/g mole	29.06
		Opacity			% opacity	Continuous Monitoring
		Oxygen (O2)			%	19.8
		Temperature			Degrees Celcius	109°C
		Velocity			m/s	14.2
		Volumetric Flowrate	11		m3/Sec	1.205

Obtained Date	Sampling Date	Parameter	O2 Reference (%)	Assessment Criteria	Unit of Measure	Discharge Point
						AQCSS (EPA Discharge Point 3) Result
5/11/2018	5/09/2018	Dioxins & Furans	11	0.1	ng/m3	0.002
		Carbon Dioxide			%	0.81
		Dry Gas density			kg/m3	1.29
		Moisture Content			%	6.2
		Molecular weight of stack gases			g/g mole	29.91
		Opacity			% opacity	Continuous Monitoring
		Oxygen (O2)			%	19.6
		Temperature			Degrees Celcius	107°C
		Velocity			m/s	22
		Volumetric Flowrate	11		m3/Sec	2.21666667

Obtained Date	Sampling Date	Parameter	O2 Reference (%)	Assessment Criteria	Unit of Measure	Discharge Point
						AQCSS (EPA Discharge Point 3) Result
4/05/2018	19 & 20/03/2018	Carbon Monoxide	11		mg/m3	76
		Type 1 and Type 2 Substances in Aggregate (Sb, As, Be, Cd, Cr, Co, Pb, Mn, Hg, Ni, Se, Sn & V)	11	1	mg/m3	0.4
		Cadmium	11	0.2	mg/m3	0.0032
		Mercury	11	0.2	mg/m3	<0.007
		Surfuralic Acid Mist and Sulfuric Trioxide (as SO3)	11	100	mg/m3	9.6
		Total Solid Particles	11	50	mg/m3	12
		Dioxins & Furans	11	0.1	ng/m3	0.024
		Nitrogen Oxides	7	350	mg/m3	120
		Hydrogen Chloride	11	100	mg/m3	5.6
		Hydrogen Fluoride	11	50	mg/m3	1.1
		Carbon Dioxide			%	1.53
		Dry Gas density			kg/m3	1.295
		Moisture Content			%	7.16
		Molecular weight of stack gases			g/g mole	29.02
		Opacity			% opacity	Continuous Monitoring
		Oxygen (O2)			%	19.4
		Temperature			Degrees Celcius	137°C
		Velocity			m/s	18.2
		Volumetric Flowrate	11		m3/Sec	1.933333333

Obtained Date	Sampling Date	Parameter	O2 Reference (%)	Assessment Criteria	Unit of Measure	Discharge Point
						AQCSS (EPA Discharge Point 3) Result
2/02/2018	1/12/2017	Dioxins & Furans	11	0.1	ng/m3	0.022
		Carbon Dioxide			%	1.41
		Dry Gas density			kg/m3	1.293
		Moisture Content			%	6.71
		Molecular weight of stack gases			g/g mole	28.97
		Opacity			% opacity	Continuous Monitoring
		Oxygen (O2)			%	18.7
		Temperature			Degrees Celcius	126°C
		Velocity			m/s	19
		Volumetric Flowrate	11		m3/Sec	3.05

Obtained Date	Sampling Date	Parameter	O2 Reference (%)	Assessment Criteria	Unit of Measure	Discharge Point
						AQCSS (EPA Discharge Point 3) Result
21/11/2017	9/03/2017	Carbon Monoxide	11		mg/m3	39
		Type 1 and Type 2 Substances in Aggregate (Sb, As, Be, Cd, Cr, Co, Pb, Mn, Hg, Ni, Se, Sn & V)	11	1	mg/m3	0.42
		Cadmium	11	0.2	mg/m3	0.003
		Mercury	11	0.2	mg/m3	0.0024
		Surfuralic Acid Mist and Sulfuric Trioxide (as SO3)	11	100	mg/m3	4.7
		Total Solid Particles	11	50	mg/m3	69
		Dioxins & Furans	11	0.1	ng/m3	0.023
		Nitrogen Oxides	7	350	mg/m3	180
		Hydrogen Chloride	11	100	mg/m3	23
		Hydrogen Fluoride	11	50	mg/m3	1.2
		Carbon Dioxide			%	1.14
		Dry Gas density			kg/m3	1.292
		Moisture Content			%	6.12
		Molecular weight of stack gases			g/g mole	28.95
		Opacity			% opacity	Continuous Monitoring
		Oxygen (O2)			%	19.1
		Temperature			Degrees Celcius	123°C
		Velocity			m/s	19.5
		Volumetric Flowrate	11		m3/Sec	2.6

Obtained Date	Sampling Date	Parameter	O2 Reference (%)	Assessment Criteria	Unit of Measure	Discharge Point
						AQCSS (EPA Discharge Point 3)
						Result
12/11/2017	25/10/2016	Dioxins & Furans	11	0.1	ng/m3	0.091
		Carbon Dioxide			%	0.84
		Dry Gas density			kg/m3	1.29
		Moisture Content			%	7.67
		Molecular weight of stack gases			g/g mole	28.9
		Opacity			% opacity	Continuous Monitoring
		Oxygen (O2)			%	19.2
		Temperature			Degrees Celcius	98
		Velocity			m/s	16.2
		Average Gas flow rate at STP	11		m3/Min	745

Obtained Date	Sampling Date	Parameter	O2 Reference (%)	Assessment Criteria	Unit of Measure	Discharge Point
						AQCSS (EPA Discharge Point 3)
						Result
12/11/2017	13/07/2016	Dioxins & Furans	11	0.1	ng/m3	0.062
		Carbon Dioxide			%	1.55
		Dry Gas density			kg/m3	1.295
		Moisture Content			%	6.52
		Molecular weight of stack gases			g/g mole	29.02
		Opacity			% opacity	Continuous Monitoring
		Oxygen (O2)			%	19.3
		Temperature			Degrees Celcius	84
		Velocity			m/s	14
		Average Gas flow rate at STP	11		m3/Min	679

Obtained Date	Sampling Date	Parameter	O2 Reference (%)	Assessment Criteria	Unit of Measure	Discharge Point
						AQCSS (EPA Discharge Point 3)
						Result
9/11/2017	25/05/2016	Carbon Monoxide	11		mg/m3	6.3
		Type 1 and Type 2 Substances in Aggregate (Sb, As, Be, Cd, Cr, Co, Pb, Mn, Hg, Ni, Se, Sn & V)			mg/m3	
			11	5		1.6
		Cadmium	11	1	mg/m3	0.15
		Mercury	11	1	mg/m3	0.024
		Surfural Acid Mist and Sulfuric Trioxide (as SO3)	11	100	mg/m3	0.37
		Sulfur dioxide	Stack		mg/m3	1.1.
		Total Solid Particles	7	100	mg/m3	91
		Fine Particulates (PM10)	Stack		mg/m3	14
		Nitrogen Oxides	7	2000	mg/m3	180
		Hydrogen Chloride	11	100	mg/m3	96
		Dry Gas density			kg/m3	1.292
		Moisture Content			%	7.83
		Molecular weight of stack gases			g/g mole	28.94
		Opacity			% opacity	Continuous Monitoring
		Oxygen (O2)			%	18.4
		Temperature			Degrees Celcius	99
		Average Gas flow rate at STP	11		m3/Min	192
		Velocity			m/s	16.6

EPA Data Point Reference	EPA Data Point Name	EPA Data Point Description
1	Incinerator Stack No.1	Incinerator Stack No.1 - Bypass mode monitoring point
2	Incinerator Stack No.2	Incinerator Stack No.2 - Bypass mode monitoring point
3	Air Quality Control System Stack (AQCSS)	Air Quality Control System Stack (AQCSS) - Normal operation monitoring point.