

Daniels Health NSW Pty Ltd

Stack Air Emissions Monitoring Data

Site Address: 2-16 Wiblin St, Silverwater NSW 2128

EPA Licensee: Daniels Health NSW Pty Ltd

EPA Licence No: EPL 3245 (<http://www.environmentnsw.gov.au/prpoeoapp>)

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Monitoring Location (as EPA ID No)	Type of Monitoring	Parameter	Unit	Measurements of Parameters on the Dates Below Unless Noted				Limit
				27/5/2013	27/5/2014	13/5/2015	25/5/2016	
Air Quality Control Stack, Point No 3	Air Emission	Cadmium (Cd)	mg/m3	0.14	<0.00008	0.076	0.15	1
		Carbon Monoxide (CO)	mg/m3	<1	<1	<1	6.3	NA
		Chlorine and Hydrogen Chloride (as HCl)	mg/m3	66	21	1.5	96	100
		Dry Gas Density	Kg/m3	1.295	1.296	1.293	1.292	NA
		Dioxins & Furans	ng/m3	0.089	0.062	0.065	0.062	0.1
		Dioxins & Furans	ng/m3	0.026 On 27/11/2012	0.052 On 13/12/2013	0.067 On 28/10/2015	Test to be done later in the year	0.1
		Fine Particulates (PM10)	mg/m3	13	11	14	14	NA
		Mercury (Hg)	mg/m3	0.016	0.017	0.00025	0.024	1
		Moisture Content	% v/v	9.47	11.6	10.1	7.83	NA
		Molecular Weight of Stack Gas	gram/gram mole	29.03	29.04	28.98	28.94	NA
		Nitrogen Oxides (as NO2)	mg/m3	163	261	310	180	2000
		Opacity	% opacity	0	0	0	0	NA
		Oxygen	% v/v	18.2	17.4	17.9	18.4	NA
		Sulfuric Acid Mist and Sulfur Trioxide (as SO3)	mg/m3	7.4	14	37	0.37	100
		Temperature	Degrees Celsius	90	101	109	99	NA
		Total Solid Particles	mg/m3	82	53	79	91	100
Type 1 and Type 2 Substances in Aggregate	mg/m3	1.2	0.39	0.7	1.6	5		
Velocity at sampling plane	m/sec	19.1	12.6	16.2	16.6	NA		
Volumetric Flow Rate	m3/sec	21.7	14.25	18.3	18.83	NA		
Point No 4	Scrubber Liquor in Venturi Quench	pH	pH	7.5 - 9.1 Continuous	7.4 - 9.2 Continuous	7.1 - 9.1 Continuous	7.2 - 9.2 Continuous	6 - 10
Point No 5	Scrubber Liquor in Venturi Scrubber	pH	pH	7.4 - 9.0 Continuous	7.5 - 9.3 Continuous	7.2 - 8.9 Continuous	7.2 - 9.1 Continuous	6 - 10
Point No 6	Scrubber Liquor in Fluidised Bed Scrubbers	pH	pH	7.2 - 9.1 Continuous	7.6 - 9.2 Continuous	7.5 - 9.2 Continuous	7.3 - 9.2 Continuous	6 - 10

Notes:

All sampling and analysis was undertaken as per EPA requirements.

The frequency of monitoring of the parameters in the table above is yearly, unless noted.

NA: Not applicable

m: meters

m3: cubic meter

mg: milligrams

ng: Nano grams

%: percentage

Sec: seconds