

Southern Oil Refining Pty Ltd
 42 Lewington Street, Bomen, NSW 2650
 EPA License number 11408

Air Emissions – Utilities Block Stack (Point Source 1)									
Pollutant	Unit of Measure	100 percentile conc. limit	Monitoring frequency	No. of samples measured	Results June 2017				Exceedance (Y,N,N/A)
					Min. Value	Mean Value	Median Value	Max. Value	
Cadmium	g/m ³	0.0002	Quarterly	1	<0.0000009	<0.0000009	<0.0000009	<0.0000009	N
Chlorine	g/m ³	0.2	Quarterly	1	<0.00002	<0.00002	<0.00002	<0.00002	N
Mercury	g/m ³	0.0002	Quarterly	1	0.00000099	0.00000099	0.00000099	0.00000099	N
Nitrogen Oxides	g/m ³	0.3	Quarterly	1	0.23	0.23	0.23	0.23	N
Hydrogen Sulfide	g/m ³	0.005	Quarterly	1	<0.00002	<0.00002	<0.00002	<0.00002	N
Dioxins & Furans	ng/m ³	0.1	Yearly	1					N
Hydrogen Chloride	g/m ³	0.1	Quarterly	1	0.0024	0.0024	0.0024	0.0024	N
Solid Particles (PM10)	g/m ³	0.05	Quarterly	1	0.042	0.042	0.042	0.042	N
Sulfuric Acid Mist and/or Sulfur Trioxide	g/m ³	0.1	Quarterly	1	0.0075	0.0075	0.0075	0.0075	N
Total Fluoride	g/m ³	0.05	Quarterly	1	0.0026	0.0026	0.0026	0.0026	N
Hazardous Substances	g/m ³	0.001	Quarterly	1	0.000024	0.000024	0.000024	0.000024	N
VOCs	g/m ³	0.04	Quarterly	1	0.00012	0.00012	0.00012	0.00012	N
Temperature	K	N/A	Quarterly	1	730	730	730	730	N/A
Chromium	g/m ³	N/A	Quarterly	1	<0.000002	<0.000002	<0.000002	<0.000002	N/A
Oxygen	%	N/A	Quarterly	1	6.2	6.2	6.2	6.2	N/A
Sulphur Dioxide	g/m ³	N/A	Quarterly	1	0.63	0.63	0.63	0.63	N/A
Moisture Content	%	N/A	Quarterly	1	19	19	19	19	N/A
Carbon Monoxide	g/m ³	N/A	Quarterly	1	<0.002	<0.002	<0.002	<0.002	N/A
P.A.H.	ng/m ³	N/A	Quarterly	1	4200	4200	4200	4200	N/A
P.A.H. (BaP-TEQ)	ng/m ³	N/A	Quarterly	1	91	91	91	91	N/A
Velocity	m/s	N/A	Quarterly	1	18	18	18	18	N/A
Volumetric Flowrate	m ³ /s	N/A	Quarterly	1	5	5	5	5	N/A
Dry Gas Density	kg/m ³	N/A	Quarterly	1	1.33	1.33	1.33	1.33	N/A
Speciated Organic Compounds	g/m ³	N/A	Quarterly	1	<0.000006	<0.000006	<0.000006	<0.000006	N/A