

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

<b>Air Emissions – Utilities Block Stack (Point Source 1)</b>									
Pollutant	Unit of Measure	100 percentile conc. limit	Monitoring frequency	No. of samples measured	Results March 2016				Exceedance (Y,N,N/A)
					Min. Value	Mean Value	Median Value	Max. Value	
Cadmium	g/m <sup>3</sup>	0.0002	Quarterly	1	<0.000001	<0.000001	<0.000001	<0.000001	N
Chlorine	g/m <sup>3</sup>	0.2	Quarterly	1	<0.00002	<0.00002	<0.00002	<0.00002	N
Mercury	g/m <sup>3</sup>	0.0002	Quarterly	1	<0.0000006	<0.0000006	<0.0000006	<0.0000006	N
Nitrogen Oxides	g/m <sup>3</sup>	0.3	Quarterly	1	0.16	0.16	0.16	0.16	N
Hydrogen Sulfide	g/m <sup>3</sup>	0.005	Quarterly	1	<0.00001	<0.00001	<0.00001	<0.00001	N
Dioxins & Furans	ng/m <sup>3</sup>	0.1	Yearly	1					N
Hydrogen Chloride	g/m <sup>3</sup>	0.1	Quarterly	1	0.0026	0.0026	0.0026	0.0026	N
Solid Particles (PM10)	g/m <sup>3</sup>	0.05	Quarterly	1	0.045	0.045	0.045	0.045	N
Sulfuric Acid Mist and/or Sulfur Trioxide	g/m <sup>3</sup>	0.1	Quarterly	1	0.021	0.021	0.021	0.021	N
Total Fluoride	g/m <sup>3</sup>	0.05	Quarterly	1	0.00034	0.00034	0.00034	0.00034	N
Hazardous Substances	g/m <sup>3</sup>	0.001	Quarterly	1	0.00016	0.00016	0.00016	0.00016	N
VOCs	g/m <sup>3</sup>	0.04	Quarterly	1	0.000024	0.000024	0.000024	0.000024	N
Temperature	K	N/A	Quarterly	1	780	780	780	780	N/A
Chromium	g/m <sup>3</sup>	N/A	Quarterly	1	0.0000021	0.0000021	0.0000021	0.0000021	N/A
Oxygen	%	N/A	Quarterly	1	6.5	6.5	6.5	6.5	N/A
Sulphur Dioxide	g/m <sup>3</sup>	N/A	Quarterly	1	0.6	0.6	0.6	0.6	N/A
Moisture Content	%	N/A	Quarterly	1	17	17	17	17	N/A
Carbon Monoxide	g/m <sup>3</sup>	N/A	Quarterly	1	<0.003	<0.003	<0.003	<0.003	N/A
P.A.H.	ng/m <sup>3</sup>	N/A	Quarterly	1	1700	1700	1700	1700	N/A
P.A.H. (BaP-TEQ)	ng/m <sup>3</sup>	N/A	Quarterly	1	17	17	17	17	N/A
Velocity	m/s	N/A	Quarterly	1	19	19	19	19	N/A
Volumetric Flowrate	m <sup>3</sup> /s	N/A	Quarterly	1	5.3	5.3	5.3	5.3	N/A
Dry Gas Density	kg/m <sup>3</sup>	N/A	Quarterly	1	1.33	1.33	1.33	1.33	N/A
Speciated Organic Compounds	g/m <sup>3</sup>	N/A	Quarterly	1	<0.00006	<0.00006	<0.00006	<0.00006	N/A