

**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 December 2015				Exceedance (Y,N,N/A)
					Min. Value	Mean Value	Median Value	Max. Value	
Cadmium	g/m <sup>3</sup>	0.0002	Quarterly	1	<0.00000074	<0.00000074	<0.00000074	<0.00000074	N
Chlorine	g/m <sup>3</sup>	0.2	Quarterly	1	0.000076	0.000076	0.000076	0.000076	N
Mercury	g/m <sup>3</sup>	0.0002	Quarterly	1	<0.00000007	<0.00000007	<0.00000007	<0.00000007	N
Nitrogen Oxides	g/m <sup>3</sup>	0.3	Quarterly	1	0.15	0.15	0.15	0.15	N
Hydrogen Sulfide	g/m <sup>3</sup>	0.005	Quarterly	1	0.00096	0.00096	0.00096	0.00096	N
Dioxins & Furans	ng/m <sup>3</sup>	0.1	Yearly	1	0.0081	0.0081	0.0081	0.0081	N
Hydrogen Chloride	g/m <sup>3</sup>	0.1	Quarterly	1	0.0049	0.0049	0.0049	0.0049	N
Solid Particles (PM10)	g/m <sup>3</sup>	0.05	Quarterly	1	0.023	0.023	0.023	0.023	N
Sulfuric Acid Mist and/or Sulfur Trioxide	g/m <sup>3</sup>	0.1	Quarterly	1	0.0059	0.0059	0.0059	0.0059	N
Total Fluoride	g/m <sup>3</sup>	0.05	Quarterly	1	0.0017	0.0017	0.0017	0.0017	N
Hazardous Substances	g/m <sup>3</sup>	0.001	Quarterly	1	0.000015	0.000015	0.000015	0.000015	N
VOCs	g/m <sup>3</sup>	0.04	Quarterly	1	0.000086	0.000086	0.000086	0.000086	N
Temperature	K	N/A	Quarterly	1	734	734	734	734	N/A
Chromium	g/m <sup>3</sup>	N/A	Quarterly	1	0.0000044	0.0000044	0.0000044	0.0000044	N/A
Oxygen	%	N/A	Quarterly	1	7.1	7.1	7.1	7.1	N/A
Sulphur Dioxide	g/m <sup>3</sup>	N/A	Quarterly	1	0.94	0.94	0.94	0.94	N/A
Moisture Content	%	N/A	Quarterly	1	15	15	15	15	N/A
Carbon Monoxide	g/m <sup>3</sup>	N/A	Quarterly	1	<0.0032	<0.0032	<0.0032	<0.0032	N/A
P.A.H.	ng/m <sup>3</sup>	N/A	Quarterly	1	3700	3700	3700	3700	N/A
P.A.H. (BaP-TEQ)	ng/m <sup>3</sup>	N/A	Quarterly	1	10	10	10	10	N/A
Velocity	m/s	N/A	Quarterly	1	17	17	17	17	N/A
Volumetric Flowrate	m <sup>3</sup> /s	N/A	Quarterly	1	4.5	4.5	4.5	4.5	N/A
Dry Gas Density	kg/m <sup>3</sup>	N/A	Quarterly	1	1.32	1.32	1.32	1.32	N/A
Speciated Organic Compounds	g/m <sup>3</sup>	N/A	Quarterly	1	0.00017	0.00017	0.00017	0.00017	N/A