

**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 March 2014				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	0.0006	0.0006	0.0006	0.0006	N
Mercury	g/m <sup>3</sup>	0.0002	Quarterly	1	< 0.000002	< 0.000002	< 0.000002	< 0.000002	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	0.0023	0.0023	0.0023	0.0023	N
Dioxins & Furans	ng/m <sup>3</sup>	0.1	Yearly	1					N
Hydrogen Chloride	g/m <sup>3</sup>	0.1	Quarterly	1	0.0029	0.0029	0.0029	0.0029	N
Solid Particles (PM10)	g/m <sup>3</sup>	0.05	Quarterly	1	0.021	0.021	0.021	0.021	N
Sulfuric Acid Mist and/or Sulfur Trioxide	g/m <sup>3</sup>	0.1	Quarterly	1	0.0061	0.0061	0.0061	0.0061	N
Total Fluoride	g/m <sup>3</sup>	0.05	Quarterly	1	0.0011	0.0011	0.0011	0.0011	N
Hazardous Substances	g/m <sup>3</sup>	0.001	Quarterly	1	0.000019	0.000019	0.000019	0.000019	N
VOCs	g/m <sup>3</sup>	0.04	Quarterly	1	0.000049	0.000049	0.000049	0.000049	N
Temperature	K	N/A	Quarterly	1	742	742	742	742	N/A
Chromium	g/m <sup>3</sup>	N/A	Quarterly	1	0.0000046	0.0000046	0.0000046	0.0000046	N/A
Oxygen	%	N/A	Quarterly	1	6.4	6.4	6.4	6.4	N/A
Sulphur Dioxide	g/m <sup>3</sup>	N/A	Quarterly	1	0.33	0.33	0.33	0.33	N/A
Moisture Content	%	N/A	Quarterly	1	18	18	18	18	N/A
Carbon Monoxide	g/m <sup>3</sup>	N/A	Quarterly	1	0.0066	0.0066	0.0066	0.0066	N/A
P.A.H.	ng/m <sup>3</sup>	N/A	Quarterly	1	20000	20000	20000	20000	N/A
P.A.H. (BaP-TEQ)	ng/m <sup>3</sup>	N/A	Quarterly	1	240	240	240	240	N/A
Velocity	m/s	N/A	Quarterly	1	18	18	18	18	N/A
Volumetric Flowrate	m <sup>3</sup> /s	N/A	Quarterly	1	5	5	5	5	N/A
Dry Gas Density	kg/m <sup>3</sup>	N/A	Quarterly	1	1.3	1.3	1.3	1.3	N/A
Speciated Organic Compounds	g/m <sup>3</sup>	N/A	Quarterly	1	<0.0002	<0.0002	<0.0002	<0.0002	N/A