

**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 September 2015				Exceedance (Y,N,N/A)
					Min. Value	Mean Value	Median Value	Max. Value	
Cadmium	g/m <sup>3</sup>	0.0002	Quarterly	1	< 0.00000066	< 0.00000066	< 0.00000066	< 0.00000066	N
Chlorine	g/m <sup>3</sup>	0.2	Quarterly	1	< 0.000016	< 0.000016	< 0.000016	< 0.000016	N
Mercury	g/m <sup>3</sup>	0.0002	Quarterly	1	0.00000021	0.00000021	0.00000021	0.00000021	N
Nitrogen Oxides	g/m <sup>3</sup>	0.3	Quarterly	1	0.17	0.19	0.19	0.20	N
Hydrogen Sulfide	g/m <sup>3</sup>	0.005	Quarterly	1	0.000047	0.000047	0.000047	0.000047	N
Dioxins & Furans	ng/m <sup>3</sup>	0.1	Yearly	1					N
Hydrogen Chloride	g/m <sup>3</sup>	0.1	Quarterly	1	0.004	0.004	0.004	0.004	N
Solid Particles (PM10)	g/m <sup>3</sup>	0.05	Quarterly	1	0.029	0.029	0.029	0.029	N
Sulfuric Acid Mist and/or Sulfur Trioxide	g/m <sup>3</sup>	0.1	Quarterly	1	0.081	0.081	0.081	0.081	N
Total Fluoride	g/m <sup>3</sup>	0.05	Quarterly	1	0.0019	0.0019	0.0019	0.0019	N
Hazardous Substances	g/m <sup>3</sup>	0.001	Quarterly	1	0.000004	0.000004	0.000004	0.000004	N
VOCs	g/m <sup>3</sup>	0.04	Quarterly	1	0.000053	0.000053	0.000053	0.000053	N
Temperature	K	N/A	Quarterly	1	728	728	728	728	N/A
Chromium	g/m <sup>3</sup>	N/A	Quarterly	1	0.00000092	0.00000092	0.00000092	0.00000092	N/A
Oxygen	%	N/A	Quarterly	1	7	7	7	7	N/A
Sulphur Dioxide	g/m <sup>3</sup>	N/A	Quarterly	1	0.81	0.81	0.81	0.81	N/A
Moisture Content	%	N/A	Quarterly	1	16	16	16	16	N/A
Carbon Monoxide	g/m <sup>3</sup>	N/A	Quarterly	1	<0.049	<0.049	<0.049	<0.049	N/A
P.A.H.	ng/m <sup>3</sup>	N/A	Quarterly	1	17000	17000	17000	17000	N/A
P.A.H. (BaP-TEQ)	ng/m <sup>3</sup>	N/A	Quarterly	1	23	23	23	23	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	4.9	4.9	4.9	4.9	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	<0.000088	<0.000088	<0.000088	<0.000088	N/A