

**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 June 2016				Exceedance (Y,N,N/A)
					Min. Value	Mean Value	Median Value	Max. Value	
Cadmium	g/m <sup>3</sup>	0.0002	Quarterly	1	0.0000011	0.0000011	0.0000011	0.0000011	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	<0.0000003	<0.0000003	<0.0000003	<0.0000003	N
Nitrogen Oxides	g/m <sup>3</sup>	0.3	Quarterly	1	0.21	0.21	0.21	0.21	N
Hydrogen Sulfide	g/m <sup>3</sup>	0.005	Quarterly	1	0.00046	0.00046	0.00046	0.00046	N
Dioxins & Furans	ng/m <sup>3</sup>	0.1	Yearly	1					N
Hydrogen Chloride	g/m <sup>3</sup>	0.1	Quarterly	1	0.0018	0.0018	0.0018	0.0018	N
Solid Particles (PM10)	g/m <sup>3</sup>	0.05	Quarterly	1	0.016	0.016	0.016	0.016	N
Sulfuric Acid Mist and/or Sulfur Trioxide	g/m <sup>3</sup>	0.1	Quarterly	1	0.018	0.018	0.018	0.018	N
Total Fluoride	g/m <sup>3</sup>	0.05	Quarterly	1	0.00072	0.00072	0.00072	0.00072	N
Hazardous Substances	g/m <sup>3</sup>	0.001	Quarterly	1	0.000032	0.000032	0.000032	0.000032	N
VOCs	g/m <sup>3</sup>	0.04	Quarterly	1	0.00002	0.00002	0.00002	0.00002	N
Temperature	K	N/A	Quarterly	1	779	779	779	779	N/A
Chromium	g/m <sup>3</sup>	N/A	Quarterly	1	0.000004	0.000004	0.000004	0.000004	N/A
Oxygen	%	N/A	Quarterly	1	7.2	7.2	7.2	7.2	N/A
Sulphur Dioxide	g/m <sup>3</sup>	N/A	Quarterly	1	0.53	0.53	0.53	0.53	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	<0.003	<0.003	<0.003	<0.003	N/A
P.A.H.	ng/m <sup>3</sup>	N/A	Quarterly	1	3200	3200	3200	3200	N/A
P.A.H. (BaP-TEQ)	ng/m <sup>3</sup>	N/A	Quarterly	1	35	35	35	35	N/A
Velocity	m/s	N/A	Quarterly	1	20	20	20	20	N/A
Volumetric Flowrate	m <sup>3</sup> /s	N/A	Quarterly	1	5.5	5.5	5.5	5.5	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	<0.000008	<0.000008	<0.000008	<0.000008	N/A