

**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 June 2020				Exceedance (Y,N,N/A)
					Min. Value	Mean Value	Median Value	Max. Value	
Cadmium	g/m <sup>3</sup>	0.0002	Quarterly	1	<0.0000005	<0.0000005	<0.0000005	<0.0000005	N
Chlorine	g/m <sup>3</sup>	0.2	Quarterly	1	0.000072	0.000072	0.000072	0.000072	N
Mercury	g/m <sup>3</sup>	0.0002	Quarterly	1	<0.0000007	<0.0000007	<0.0000007	<0.0000007	N
Nitrogen Oxides	g/m <sup>3</sup>	0.3	Quarterly	1	0.17	0.17	0.17	0.17	N
Hydrogen Sulfide	g/m <sup>3</sup>	0.005	Quarterly	1	0.00014	0.00014	0.00014	0.00014	N
Dioxins & Furans	ng/m <sup>3</sup>	0.1	Yearly						N/A
Hydrogen Chloride	g/m <sup>3</sup>	0.1	Quarterly	1	0.0047	0.0047	0.0047	0.0047	N
Solid Particles (PM10)	g/m <sup>3</sup>	0.05	Quarterly	1	0.047	0.047	0.047	0.047	N
Sulfuric Acid Mist and/or Sulfur Trioxide	g/m <sup>3</sup>	0.1	Quarterly	1	0.022	0.022	0.022	0.022	N
Total Fluoride	g/m <sup>3</sup>	0.05	Quarterly	1	0.0033	0.0033	0.0033	0.0033	N
Hazardous Substances	g/m <sup>3</sup>	0.001	Quarterly	1	≤0.000036	≤0.000036	≤0.000036	≤0.000036	N
VOCs	g/m <sup>3</sup>	0.04	Quarterly	1	0.000093	0.000093	0.000093	0.000093	N
Temperature	K	N/A	Quarterly	1	735	735	735	735	N/A
Chromium	g/m <sup>3</sup>	N/A	Quarterly	1	<0.000001	<0.000001	<0.000001	<0.000001	N/A
Oxygen	%	N/A	Quarterly	1	5.5	5.5	5.5	5.5	N/A
Sulphur Dioxide	g/m <sup>3</sup>	N/A	Quarterly	1	0.2	0.2	0.2	0.2	N/A
Moisture Content	%	N/A	Quarterly	1	21	21	21	21	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	8600	8600	8600	8600	N/A
P.A.H. (BaP-TEQ)	ng/m <sup>3</sup>	N/A	Quarterly	1	27	27	27	27	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	1.22	1.22	1.22	1.22	N/A
Speciated Organic Compounds	g/m <sup>3</sup>	N/A	Quarterly	1	0.000002	0.000002	0.000002	0.000002	N/A