

**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 January 2021				Exceedance (Y,N,N/A)
					Min. Value	Mean Value	Median Value	Max. Value	
Cadmium	g/m <sup>3</sup>	0.0002	6 Monthly	1	0.00000081	0.00000081	0.00000081	0.00000081	N
Chlorine	g/m <sup>3</sup>	0.2	6 Monthly	1	0.000089	0.000089	0.000089	0.000089	N
Mercury	g/m <sup>3</sup>	0.0002	6 Monthly	1	<0.0000007	<0.0000007	<0.0000007	<0.0000007	N
Nitrogen Oxides	g/m <sup>3</sup>	0.3	6 Monthly	1	0.17	0.17	0.17	0.17	N
Hydrogen Sulfide	g/m <sup>3</sup>	0.005	6 Monthly	1	<0.00001	<0.00001	<0.00001	<0.00001	N
Dioxins & Furans	ng/m <sup>3</sup>	0.1	Yearly	1	0.00059	0.00059	0.00059	0.00059	N
Hydrogen Chloride	g/m <sup>3</sup>	0.1	6 Monthly	1	0.0048	0.0048	0.0048	0.0048	N
Solid Particles (PM10)	g/m <sup>3</sup>	0.05	6 Monthly	1	0.048	0.048	0.048	0.048	N
Sulfuric Acid Mist and/or Sulfur Trioxide	g/m <sup>3</sup>	0.1	6 Monthly	1	0.0033	0.0033	0.0033	0.0033	N
Total Fluoride	g/m <sup>3</sup>	0.05	6 Monthly	1	0.0014	0.0014	0.0014	0.0014	N
Hazardous Substances	g/m <sup>3</sup>	0.001	6 Monthly	1	≤0.000035	≤0.000035	≤0.000035	≤0.000035	N
VOCs	g/m <sup>3</sup>	0.04	6 Monthly	1	0.000057	0.000057	0.000057	0.000057	N
Temperature	K	N/A	6 Monthly	1	784	784	784	784	N/A
Chromium	g/m <sup>3</sup>	N/A	6 Monthly	1	0.0000021	0.0000021	0.0000021	0.0000021	N/A
Oxygen	%	N/A	6 Monthly	1	5.4	5.4	5.4	5.4	N/A
Sulphur Dioxide	g/m <sup>3</sup>	N/A	6 Monthly	1	0.81	0.81	0.81	0.81	N/A
Moisture Content	%	N/A	6 Monthly	1	20	20	20	20	N/A
Carbon Monoxide	g/m <sup>3</sup>	N/A	6 Monthly	1	<0.003	<0.003	<0.003	<0.003	N/A
P.A.H.	ng/m <sup>3</sup>	N/A	6 Monthly	1	1200	1200	1200	1200	N/A
P.A.H. (BaP-TEQ)	ng/m <sup>3</sup>	N/A	6 Monthly	1					N/A
Velocity	m/s	N/A	6 Monthly	1	4.2	4.2	4.2	4.2	N/A
Volumetric Flowrate	m <sup>3</sup> /s	N/A	6 Monthly	1	19	19	19	19	N/A
Dry Gas Density	kg/m <sup>3</sup>	N/A	6 Monthly	1	5.1	5.1	5.1	5.1	N/A
Speciated Organic Compounds	g/m <sup>3</sup>	N/A	6 Monthly	1	<0.00002	<0.00002	<0.00002	<0.00002	N/A