

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 November 2023				Exceedance (Y,N,N/A)
					Min. Value	Mean Value	Median Value	Max. Value	
Cadmium	g/m ³	0.0002	6 Monthly	1	<0.00002	<0.00002	<0.00002	<0.00002	N
Chlorine	g/m ³	0.2	6 Monthly	1	<0.0002	<0.0002	<0.0002	<0.0002	N
Mercury	g/m ³	0.0002	6 Monthly	1	<0.0000008	<0.0000008	<0.0000008	<0.0000008	N
Nitrogen Oxides	g/m ³	0.3	6 Monthly	1	0.12	0.12	0.12	0.12	N
Hydrogen Sulfide	g/m ³	0.005	6 Monthly	1	<0.0002	<0.0002	<0.0002	<0.0002	N
Dioxins and Furins	ng/m ³	0.1	6 Monthly	1	0.0018	0.0018	0.0018	0.0018	N
Hydrogen Chloride	g/m ³	0.1	6 Monthly	1	0.0067	0.0067	0.0067	0.0067	N
Solid Particles (PM10)	g/m ³	0.05	6 Monthly	1	0.023	0.023	0.023	0.023	N
Sulfuric Acid Mist and/or Sulfur Trioxide	g/m ³	0.1	6 Monthly	1	0.013	0.013	0.013	0.013	N
Total Fluoride	g/m ³	0.05	6 Monthly	1	0.0017	0.0017	0.0017	0.0017	N
Hazardous Substances	g/m ³	0.001	6 Monthly	1	≤0.000061	≤0.000061	≤0.000061	≤0.000061	N
VOCs	g/m ³	0.04	6 Monthly	1	0.02	0.02	0.02	0.02	N
Temperature	K	N/A	6 Monthly	1	729	729	729	729	N/A
Chromium	g/m ³	N/A	6 Monthly	1	<0.000001	<0.000001	<0.000001	<0.000001	N/A
Oxygen	%	N/A	6 Monthly	1	5.3	5.3	5.3	5.3	N/A
Sulphur Dioxide	g/m ³	N/A	6 Monthly	1	0.1	0.1	0.1	0.1	N/A
Moisture Content	%	N/A	6 Monthly	1	22	22	22	22	N/A
Carbon Monoxide	g/m ³	N/A	6 Monthly	1	<0.002	<0.002	<0.002	<0.002	N/A
P.A.H.	ng/m ³	N/A	6 Monthly	1	1300	1300	1300	1300	N/A
P.A.H. (BaP-TEQ)	ng/m ³	N/A	6 Monthly	1	10	10	10	10	N/A
Velocity	m/s	N/A	6 Monthly	1	15	15	15	15	N/A
Volumetric Flowrate	m ³ /s	N/A	6 Monthly	1	4.2	4.2	4.2	4.2	N/A
Dry Gas Density	kg/m ³	N/A	6 Monthly	1	1.22	1.22	1.22	1.22	N/A
Speciated Organic Compounds	g/m ³	N/A	6 Monthly	1	<0.00006	<0.00006	<0.00006	<0.00006	N/A
Carbon dioxide	%	N/A	6 Monthly	1	9.4	9.4	9.4	9.4	N/A

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