

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 September 2016				Exceedance (Y,N,N/A)
					Min. Value	Mean Value	Median Value	Max. Value	
Cadmium	g/m ³	0.0002	Quarterly	1	<0.0000007	<0.0000007	<0.0000007	<0.0000007	N
Chlorine	g/m ³	0.2	Quarterly	1	<0.00003	<0.00003	<0.00003	<0.00003	N
Mercury	g/m ³	0.0002	Quarterly	1	0.0000068	0.0000068	0.0000068	0.0000068	N
Nitrogen Oxides	g/m ³	0.3	Quarterly	1	0.21	0.21	0.21	0.21	N
Hydrogen Sulfide	g/m ³	0.005	Quarterly	1	0.00049	0.00049	0.00049	0.00049	N
Dioxins & Furans	ng/m ³	0.1	Yearly	1					N
Hydrogen Chloride	g/m ³	0.1	Quarterly	1	0.023	0.023	0.023	0.023	N
Solid Particles (PM10)	g/m ³	0.05	Quarterly	1	0.028	0.028	0.028	0.028	N
Sulfuric Acid Mist and/or Sulfur Trioxide	g/m ³	0.1	Quarterly	1	0.022	0.022	0.022	0.022	N
Total Fluoride	g/m ³	0.05	Quarterly	1	0.017	0.017	0.017	0.017	N
Hazardous Substances	g/m ³	0.001	Quarterly	1	<0.000054	<0.000054	<0.000054	<0.000054	N
VOCs	g/m ³	0.04	Quarterly	1	0.00013	0.00013	0.00013	0.00013	N
Temperature	K	N/A	Quarterly	1	717	717	717	717	N/A
Chromium	g/m ³	N/A	Quarterly	1	0.0000019	0.0000019	0.0000019	0.0000019	N/A
Oxygen	%	N/A	Quarterly	1	6.3	6.3	6.3	6.3	N/A
Sulphur Dioxide	g/m ³	N/A	Quarterly	1	0.6	0.6	0.6	0.6	N/A
Moisture Content	%	N/A	Quarterly	1	20	20	20	20	N/A
Carbon Monoxide	g/m ³	N/A	Quarterly	1	0.0049	0.0049	0.0049	0.0049	N/A
P.A.H.	ng/m ³	N/A	Quarterly	1	3400	3400	3400	3400	N/A
P.A.H. (BaP-TEQ)	ng/m ³	N/A	Quarterly	1	24	24	24	24	N/A
Velocity	m/s	N/A	Quarterly	1	18	18	18	18	N/A
Volumetric Flowrate	m ³ /s	N/A	Quarterly	1	4.9	4.9	4.9	4.9	N/A
Dry Gas Density	kg/m ³	N/A	Quarterly	1	1.33	1.33	1.33	1.33	N/A
Speciated Organic Compounds	g/m ³	N/A	Quarterly	1	<0.000008	<0.000008	<0.000008	<0.000008	N/A