

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 December 2014				Exceedance (Y,N,N/A)
					Min. Value	Mean Value	Median Value	Max. Value	
Cadmium	g/m ³	0.0002	Quarterly	1	<0.000002	<0.000002	<0.000002	<0.000002	N
Chlorine	g/m ³	0.2	Quarterly	1	0.000093	0.000093	0.000093	0.000093	N
Mercury	g/m ³	0.0002	Quarterly	1	<0.000003	<0.000003	<0.000003	<0.000003	N
Nitrogen Oxides	g/m ³	0.3	Quarterly	1	0.22	0.22	0.22	0.22	N
Hydrogen Sulfide	g/m ³	0.005	Quarterly	1	0.000035	0.000035	0.000035	0.000035	N
Dioxins & Furans	ng/m ³	0.1	Yearly	1	0.0075	0.0075	0.0075	0.0075	N
Hydrogen Chloride	g/m ³	0.1	Quarterly	1	0.0041	0.0041	0.0041	0.0041	N
Solid Particles (PM10)	g/m ³	0.05	Quarterly	1	0.027	0.027	0.027	0.027	N
Sulfuric Acid Mist and/or Sulfur Trioxide	g/m ³	0.1	Quarterly	1	0.0049	0.0049	0.0049	0.0049	N
Total Fluoride	g/m ³	0.05	Quarterly	1	0.0013	0.0013	0.0013	0.0013	N
Hazardous Substances	g/m ³	0.001	Quarterly	1	0.000011	0.000011	0.000011	0.000011	N
VOCs	g/m ³	0.04	Quarterly	1	0.00018	0.00018	0.00018	0.00018	N
Temperature	K	N/A	Quarterly	1	713	713	713	713	N/A
Chromium	g/m ³	N/A	Quarterly	1	<0.000002	<0.000002	<0.000002	<0.000002	N/A
Oxygen	%	N/A	Quarterly	1	7.0	7.0	7.0	7.0	N/A
Sulphur Dioxide	g/m ³	N/A	Quarterly	1	0.99	0.99	0.99	0.99	N/A
Moisture Content	%	N/A	Quarterly	1	19	19	19	19	N/A
Carbon Monoxide	g/m ³	N/A	Quarterly	1	<0.003	<0.003	<0.003	<0.003	N/A
P.A.H.	ng/m ³	N/A	Quarterly	1	2600	2600	2600	2600	N/A
P.A.H. (BaP-TEQ)	ng/m ³	N/A	Quarterly	1	45	45	45	45	N/A
Velocity	m/s	N/A	Quarterly	1	17	17	17	17	N/A
Volumetric Flowrate	m ³ /s	N/A	Quarterly	1	4.5	4.5	4.5	4.5	N/A
Dry Gas Density	kg/m ³	N/A	Quarterly	1	1.3	1.3	1.3	1.3	N/A
Speciated Organic Compounds	g/m ³	N/A	Quarterly	1	0.00038	0.00038	0.00038	0.00038	N/A