

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 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 | 0.0000038 | 0.0000038 | 0.0000038 | 0.0000038 | N |
| Nitrogen Oxides | g/m ³ | 0.3 | Quarterly | 1 | 0.29 | 0.29 | 0.29 | 0.29 | N |
| Hydrogen Sulfide | g/m ³ | 0.005 | Quarterly | 1 | 0.000007 | 0.000007 | 0.000007 | 0.000007 | N |
| Dioxins & Furans | ng/m ³ | 0.1 | Yearly | 1 | 0.0044 | 0.0044 | 0.0044 | 0.0044 | N |
| Hydrogen Chloride | g/m ³ | 0.1 | Quarterly | 1 | 0.00019 | 0.00019 | 0.00019 | 0.00019 | N |
| Solid Particles (PM10) | g/m ³ | 0.05 | Quarterly | 1 | 0.048 | 0.048 | 0.048 | 0.048 | N |
| Sulfuric Acid Mist and/or Sulfur Trioxide | g/m ³ | 0.1 | Quarterly | 1 | 0.007 | 0.007 | 0.007 | 0.007 | N |
| Total Fluoride | g/m ³ | 0.05 | Quarterly | 1 | 0.00025 | 0.00025 | 0.00025 | 0.00025 | N |
| Hazardous Substances | g/m ³ | 0.001 | Quarterly | 1 | <0.000068 | <0.000068 | <0.000068 | <0.000068 | N |
| VOCs | g/m ³ | 0.04 | Quarterly | 1 | 0.00019 | 0.00019 | 0.00019 | 0.00019 | N |
| Temperature | K | N/A | Quarterly | 1 | 808 | 808 | 808 | 808 | N/A |
| Chromium | g/m ³ | N/A | Quarterly | 1 | 0.0000085 | 0.0000085 | 0.0000085 | 0.0000085 | N/A |
| Oxygen | % | N/A | Quarterly | 1 | 7.4 | 7.4 | 7.4 | 7.4 | N/A |
| Sulphur Dioxide | g/m ³ | N/A | Quarterly | 1 | 0.65 | 0.65 | 0.65 | 0.65 | N/A |
| Moisture Content | % | N/A | Quarterly | 1 | 19 | 19 | 19 | 19 | N/A |
| Carbon Monoxide | g/m ³ | N/A | Quarterly | 1 | 0.012 | 0.012 | 0.012 | 0.012 | N/A |
| P.A.H. | ng/m ³ | N/A | Quarterly | 1 | 1200 | 1200 | 1200 | 1200 | N/A |
| P.A.H. (BaP-TEQ) | ng/m ³ | N/A | Quarterly | 1 | 13 | 13 | 13 | 13 | N/A |
| Velocity | m/s | N/A | Quarterly | 1 | 20 | 20 | 20 | 20 | N/A |
| Volumetric Flowrate | m ³ /s | N/A | Quarterly | 1 | 5.5 | 5.5 | 5.5 | 5.5 | 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 | 0.0004 | 0.0004 | 0.0004 | 0.0004 | N/A |