**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 2025** | | | | **Exceedance (Y,N,N/A)** |
| | | | | | **Min. Value** | **Mean Value** | **Median Value** | **Max. Value** | |
| Cadmium | $g/m^3$ | 0.0002 | 6 Monthly | 1 | 0.00000015 | 0.00000015 | 0.00000015 | 0.00000015 | N |
| Chlorine | $g/m^3$ | 0.2 | 6 Monthly | 1 | <0.00001 | <0.00001 | <0.00001 | <0.00001 | N |
| Mercury | $g/m^3$ | 0.0002 | 6 Monthly | 1 | <0.0000001 | <0.0000001 | <0.0000001 | <0.0000001 | N |
| Nitrogen Oxides | $g/m^3$ | 0.3 | 6 Monthly | 1 | 0.15 | 0.15 | 0.15 | 0.15 | N |
| Hydrogen Sulfide | $g/m^3$ | 0.005 | 6 Monthly | 1 | <0.0002 | <0.0002 | <0.0002 | <0.0002 | N |
| Dioxins & Furans | $ng/m^3$ | 0.1 | Yearly | 1 | 0.0016 | 0.0016 | 0.0016 | 0.0016 | N |
| Hydrogen Chloride | $g/m^3$ | 0.1 | 6 Monthly | 1 | 0.00084 | 0.00084 | 0.00084 | 0.00084 | N |
| Solid Particles (PM10) | $g/m^3$ | 0.05 | 6 Monthly | 1 | 0.03 | 0.03 | 0.03 | 0.03 | N |
| Sulfuric Acid Mist and/or Sulfur Trioxide | $g/m^3$ | 0.1 | 6 Monthly | 1 | 0.036 | 0.036 | 0.036 | 0.036 | N |
| Total Fluoride | $g/m^3$ | 0.05 | 6 Monthly | 1 | 0.00039 | 0.00039 | 0.00039 | 0.00039 | N |
| Hazardous Substances | $g/m^3$ | 0.001 | 6 Monthly | 1 | ≤0.00024 | ≤0.00024 | ≤0.00024 | ≤0.00024 | N |
| VOCs | $g/m^3$ | 0.04 | 6 Monthly | 1 | 0.0047 | 0.0047 | 0.0047 | 0.0047 | N |
| Temperature | *K* | *N/A* | 6 Monthly | 1 | 758 | 758 | 758 | 758 | N/A |
| Chromium | $g/m^3$ | *N/A* | 6 Monthly | 1 | <0.00014 | <0.00014 | <0.00014 | <0.00014 | N/A |
| Oxygen | *%* | *N/A* | 6 Monthly | 1 | 5.8 | 5.8 | 5.8 | 5.8 | N/A |
| Sulphur Dioxide | $g/m^3$ | *N/A* | 6 Monthly | 1 | 0.39 | 0.39 | 0.39 | 0.39 | N/A |
| Moisture Content | *%* | *N/A* | 6 Monthly | 1 | 20 | 20 | 20 | 20 | N/A |
| Carbon Monoxide | $g/m^3$ | *N/A* | 6 Monthly | 1 | <0.017 | <0.017 | <0.017 | <0.017 | N/A |
| P.A.H. | $ng/m^3$ | *N/A* | 6 Monthly | 1 | 9800 | 9800 | 9800 | 9800 | N/A |
| P.A.H. (BaP-TEQ) | $ng/m^3$ | *N/A* | 6 Monthly | 1 | 17 | 17 | 17 | 17 | N/A |
| Velocity | *m/s* | *N/A* | 6 Monthly | 1 | 17 | 17 | 17 | 17 | N/A |
| Volumetric Flowrate | $m^3/s$ | *N/A* | 6 Monthly | 1 | 4.6 | 4.6 | 4.6 | 4.6 | N/A |
| Dry Gas Density | $kg/m^3$ | *N/A* | 6 Monthly | 1 | 1.21 | 1.21 | 1.21 | 1.21 | N/A |
| Speciated Organic Compounds | $g/m^3$ | *N/A* | 6 Monthly | 1 | <0.00006 | <0.00006 | <0.00006 | <0.00006 | N/A |