

EPL - Pollution Monitoring Data

Environment Protection Licence Number: 5042
 Licensee: Paminco Cockle Creek Smelter Pty Ltd
 Paminco Cockle Creek Smelter & Incitec
 Premises: Main Road
 Boolaroo NSW 2284
 Link to full Environment Protection Licence: <http://www.epa.nsw.gov.au/prpoeoapp/Detail.aspx?instid=5042&id=5042&option=licence&searchrange=licence&range=POEO licence&prp=no&status=Issued>

Sampling Period: January 2016
 Date Last Data Obtained During Period:
 Date
 Published:

Concentration Limits

(i) Monitoring where no pollution limit exists in Licence

| EPA Point ID | Pollutant | Type of Monitoring Point | Unit of Measure | Monitoring Frequency Required by Licence | Sampling method | No. of times measured during year | Min Value | Mean value | Median value | Max Value |
|--------------|---------------------------------|--------------------------|----------------------------------|--|-----------------|-----------------------------------|-----------|------------|--------------|-----------|
| Point 34 | Lead | Air monitoring | Grams per square metre per month | Monthly | AM-19 | 1 | 0.0006 | 0.0006 | 0.0006 | 0.0006 |
| | Particulates - Deposited Matter | Air monitoring | Grams per square metre per month | Monthly | AM-19 | 1 | 0.1 | 0.1 | 0.1 | 0.1 |
| Point 39 | Lead | Air monitoring | Micrograms per cubic metre | Every 6 days | AM-15 | 5 | 0.0011 | 0.0025 | 0.0026 | 0.0037 |
| | Zinc | Air monitoring | Micrograms per cubic metre | Every 6 days | AM-15 | 5 | 0.0260 | 0.0447 | 0.0392 | 0.0726 |
| | Cadmium | Air monitoring | Micrograms per cubic metre | Every 6 days | AM-15 | 5 | 0.0002 | 0.0002 | 0.0002 | 0.0002 |
| | Arsenic | Air monitoring | Micrograms per cubic metre | Every 6 days | AM-15 | 5 | 0.0002 | 0.0005 | 0.0006 | 0.0008 |
| | Selenium | Air monitoring | Micrograms per cubic metre | Every 6 days | AM-20 | 5 | 0.0012 | 0.0012 | 0.0012 | 0.0012 |
| | Mercury | Air monitoring | Micrograms per cubic metre | Every 6 days | AM-15 | 5 | 0.0002 | 0.0002 | 0.0002 | 0.0002 |
| | TSP | Air monitoring | Micrograms per cubic metre | Every 6 days | AM-15 | 5 | 16.0 | 42.2 | 43.0 | 83.0 |
| | PM10 | Air monitoring | Micrograms per cubic metre | Continuous | AM-15 | 31 | 2 | 14.6 | 13.1 | 26.9 |
| Point 40 | Lead | Air monitoring | Grams per square metre per month | Monthly | AM-19 | 1 | 0.0006 | 0.0006 | 0.0006 | 0.0006 |
| | Particulates - Deposited Matter | Air monitoring | Grams per square metre per month | Monthly | AM-19 | 1 | 0.1 | 0.1 | 0.1 | 0.1 |
| Point 41 | Lead | Air monitoring | Grams per square metre per month | Monthly | AM-19 | 1 | 0.0006 | 0.0006 | 0.0006 | 0.0006 |
| | Particulates - Deposited Matter | Air monitoring | Grams per square metre per month | Monthly | AM-19 | 1 | 0.3 | 0.3 | 0.3 | 0.3 |
| Point 42 | Lead | Air monitoring | Grams per square metre per month | Monthly | AM-19 | 1 | 0.0006 | 0.0006 | 0.0006 | 0.0006 |
| | Particulates - Deposited Matter | Air monitoring | Grams per square metre per month | Monthly | AM-19 | 1 | 0.2 | 0.2 | 0.2 | 0.2 |
| Point 43 | Lead | Air monitoring | Micrograms per cubic metre | Every 6 days | AM-15 | 5 | 0.0009 | 0.0069 | 0.0052 | 0.0169 |
| | Zinc | Air monitoring | Micrograms per cubic metre | Every 6 days | AM-15 | 5 | 0.0332 | 0.0449 | 0.0431 | 0.0576 |
| | Cadmium | Air monitoring | Micrograms per cubic metre | Every 6 days | AM-15 | 5 | 0.0002 | 0.0002 | 0.0002 | 0.0002 |
| | Arsenic | Air monitoring | Micrograms per cubic metre | Every 6 days | AM-15 | 5 | 0.0002 | 0.0006 | 0.0006 | 0.0009 |
| | Selenium | Air monitoring | Micrograms per cubic metre | Every 6 days | AM-22 | 5 | 0.0012 | 0.0012 | 0.0012 | 0.0012 |
| | Mercury | Air monitoring | Micrograms per cubic metre | Every 6 days | AM-15 | 5 | 0.0002 | 0.0002 | 0.0002 | 0.0002 |
| | TSP | Air monitoring | Micrograms per cubic metre | Every 6 days | AM-15 | 5 | 20.0 | 48.6 | 49.0 | 78.0 |
| | PM10 | Air monitoring | Micrograms per cubic metre | Continuous | AM-19 | ND | ND | ND | ND | ND |

Weather monitoring

| EPA Point ID | Parameter | Units of measure | Averaging period | Monitoring Frequency Required by Licence | Sampling method | Min Value | Mean value | Median value | Max Value |
|--------------|------------------------|------------------|------------------|--|-----------------|-----------|------------|--------------|-----------|
| Point 50 | Wind speed at 10 m | m/sec | 15 minute | Not specified in Licence | AM-4 | 2.7 | 7.3 | 5.8 | 18.5 |
| | Wind direction at 10 m | | 15 minute | Not specified in Licence | AM-2 and AM-4 | 94.7 | 173.7 | 168.6 | 273.3 |
| | Air temperature | oC | 15 minute | Not specified in Licence | AM-2 and AM-4 | 17.8 | 22.8 | 22.7 | 29.9 |
| | Rainfall | mm | Daily | Not specified in Licence | AM-4 | 0.0 | 16.7 | 0.2 | 250.6 |

Data correction

| EPA Point ID | Sample Date | Pollutant | Original Data | Corrected Data | Date Corrected | Date Originally Published | Reason |
|--------------|-------------|-----------|---------------|----------------|----------------|---------------------------|--------|
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