

EPL - Pollution Monitoring Data

Environment Protection Licence Number: 5042
 License: Pasmenco Cockle Creek Smelter Pty Ltd
 Premises: Pasmenco Cockle Creek Smelter & Incitec
 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: April 2017
 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 | 4 | 0.0006 | 0.0006 | 0.0006 | 0.0006 |
| | Particulates - Deposited Matter | Air monitoring | Grams per square metre per month | Monthly | AM-19 | 4 | 0.2 | 0.3 | 0.2 | 0.4 |
| Point 39 (Argenton) | Lead | Air monitoring | Micrograms per cubic metre | Every 6 days | AM-15 | 16 | 0.0009 | 0.0032 | 0.0030 | 0.0071 |
| | Zinc | Air monitoring | Micrograms per cubic metre | Every 6 days | AM-15 | 16 | 0.0414 | 0.0682 | 0.0646 | 0.1173 |
| | Cadmium | Air monitoring | Micrograms per cubic metre | Every 6 days | AM-15 | 16 | 0.0002 | 0.0002 | 0.0002 | 0.0002 |
| | Arsenic | Air monitoring | Micrograms per cubic metre | Every 6 days | AM-15 | 16 | 0.0002 | 0.0006 | 0.0005 | 0.0012 |
| | Selenium | Air monitoring | Micrograms per cubic metre | Every 6 days | AM-20 | 16 | 0.0012 | 0.0012 | 0.0012 | 0.0012 |
| | Mercury | Air monitoring | Micrograms per cubic metre | Every 6 days | AM-15 | 16 | 0.0002 | 0.0002 | 0.0002 | 0.0010 |
| | TSP | Air monitoring | Micrograms per cubic metre | Every 6 days | AM-15 | 16 | 14 | 51 | 44 | 130 |
| PM10 | Air monitoring | Micrograms per cubic metre | Continuous | AM-15 | 90* | 0.0 | 15.4 | 15.0 | 29.6 | |
| Point 40 | Lead | Air monitoring | Grams per square metre per month | Monthly | AM-19 | 4 | 0.0006 | 0.0006 | 0.0006 | 0.0006 |
| | Particulates - Deposited Matter | Air monitoring | Grams per square metre per month | Monthly | AM-19 | 4 | 0.2 | 0.3 | 0.3 | 0.3 |
| Point 41 | Lead | Air monitoring | Grams per square metre per month | Monthly | AM-19 | 4 | 0.0006 | 0.0006 | 0.0006 | 0.0006 |
| | Particulates - Deposited Matter | Air monitoring | Grams per square metre per month | Monthly | AM-19 | 4 | 0.2 | 1.1 | 0.8 | 2.5 |
| Point 42 | Lead | Air monitoring | Grams per square metre per month | Monthly | AM-19 | 4 | 0.0006 | 0.0006 | 0.0006 | 0.0006 |
| | Particulates - Deposited Matter | Air monitoring | Grams per square metre per month | Monthly | AM-19 | 4 | 0.1 | 0.2 | 0.2 | 0.5 |
| Point 43 (South West Dam) | Lead | Air monitoring | Micrograms per cubic metre | Every 6 days | AM-15 | 20 | 0.0008 | 0.0056 | 0.0034 | 0.0318 |
| | Zinc | Air monitoring | Micrograms per cubic metre | Every 6 days | AM-15 | 20 | 0.0264 | 0.0441 | 0.0409 | 0.0869 |
| | Cadmium | Air monitoring | Micrograms per cubic metre | Every 6 days | AM-15 | 20 | 0.0002 | 0.0002 | 0.0002 | 0.0006 |
| | Arsenic | Air monitoring | Micrograms per cubic metre | Every 6 days | AM-15 | 20 | 0.0002 | 0.0007 | 0.0005 | 0.0023 |
| | Selenium | Air monitoring | Micrograms per cubic metre | Every 6 days | AM-22 | 20 | 0.0012 | 0.0012 | 0.0012 | 0.0012 |
| | Mercury | Air monitoring | Micrograms per cubic metre | Every 6 days | AM-15 | 20 | 0.0002 | 0.0002 | 0.0002 | 0.0002 |
| | TSP | Air monitoring | Micrograms per cubic metre | Every 6 days | AM-15 | 20 | 15 | 46 | 42 | 125 |
| | PM10 | Air monitoring | Micrograms per cubic metre | Continuous | AM-19 | 108 | 0.0 | 13.0 | 12.8 | 36.5 |

* no April data, no power to Argenton monitoring site

Weather monitoring

| EPA Point ID | Parameter | Units of measure | Averaging period | Monitoring Frequency Required by Licence | Sampling method | Min Monthly Value | Mean Monthly Value | Max Monthly Value | Total Monthly Value |
|--------------|------------------------|------------------|------------------|------------------------------------------|-----------------|-------------------|--------------------|-------------------|---------------------|
| Point 50 | Wind speed at 10 m | km/hr | 15 minute | Not specified in Licence | AM-4 | 0.0 | 6.3 | 53.1 | NA |
| | Wind direction at 10 m | degrees | 15 minute | Not specified in Licence | AM-2 and AM-4 | 1.7 | 188.9 | 322.9 | NA |
| | Air temperature | oC | 15 minute | Not specified in Licence | AM-2 and AM-4 | 10.0 | 17.8 | 27.2 | NA |
| | Rainfall | mm | Daily | Not specified in Licence | AM-4 | 0.0 | 3.6 | 39.6 | 108.6 |

Data correction

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