

EPL - Pollution Monitoring Data

Environment Protection Licence Number: 5042
 Licensee: Pasminco Cockle Creek Smelter Pty Ltd
 Premises: Pasminco 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&searchchange=licence&range=POEO licence&prp=no&status=Issued>
 Sampling Period: June 2017
 Date Last Data Obtained During Period:
 Date Published: 15-Aug-17

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	5*	0.0006	0.0006	0.0006	0.0006
	Particulates - Deposited Matter	Air monitoring	Grams per square metre per month	Monthly	AM-19	5*	0.2	0.3	0.2	0.7
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	5*	0.0006	0.0009	0.0006	0.0019
	Particulates - Deposited Matter	Air monitoring	Grams per square metre per month	Monthly	AM-19	5*	0.2	0.4	0.3	0.8
Point 41	Lead	Air monitoring	Grams per square metre per month	Monthly	AM-19	5*	0.0006	0.0006	0.0006	0.0006
	Particulates - Deposited Matter	Air monitoring	Grams per square metre per month	Monthly	AM-19	5*	0.2	1.0	0.7	2.5
Point 42	Lead	Air monitoring	Grams per square metre per month	Monthly	AM-19	5*	0.0006	0.0006	0.0006	0.0006
	Particulates - Deposited Matter	Air monitoring	Grams per square metre per month	Monthly	AM-19	5*	0.1	0.3	0.2	0.8
Point 43 (South West Dam)	Lead	Air monitoring	Micrograms per cubic metre	Every 6 days	AM-15	28	0.0008	0.0059	0.0047	0.0318
	Zinc	Air monitoring	Micrograms per cubic metre	Every 6 days	AM-15	28	0.0264	0.0428	0.0398	0.0869
	Cadmium	Air monitoring	Micrograms per cubic metre	Every 6 days	AM-15	28	0.0002	0.0002	0.0002	0.0006
	Arsenic	Air monitoring	Micrograms per cubic metre	Every 6 days	AM-15	28	0.0002	0.0012	0.0007	0.0048
	Selenium	Air monitoring	Micrograms per cubic metre	Every 6 days	AM-22	28	0.0012	0.0012	0.0012	0.0012
	Mercury	Air monitoring	Micrograms per cubic metre	Every 6 days	AM-15	28	0.0002	0.0002	0.0002	0.0002
	TSP	Air monitoring	Micrograms per cubic metre	Every 6 days	AM-15	28	14	41	34	125
	PM10	Air monitoring	Micrograms per cubic metre	Continuous	AM-19	157	0.0	11.1	10.2	36.5

* No June data. No power to Argenton monitoring site; and monitoring of remaining dust gauges and HVAS ceased on 18 June 2017.

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	7.0	29.0	NA
	Wind direction at 10 m	degrees	15 minute	Not specified in Licence	AM-2 and AM-4	12.1	213.3	324.6	NA
	Air temperature	oC	15 minute	Not specified in Licence	AM-2 and AM-4	4.2	13.4	19.7	NA
	Rainfall	mm	Daily	Not specified in Licence	AM-4	0.0	4.3	27.6	132.2

Data correction

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