



Our Reference: Licence No. 5042

RECEIVED

18 MAR 2017

PASMINCO COCKLE CREEK SMELTER PTY LIMITED
LEVEL 43, 600 BOURKE STREET
MELBOURNE VIC 3000

01-Mar-2017

LICENCE 5042 - ANNIVERSARY NOTICE

I refer to Environment Protection Licence No. 5042, issued to PASMINCO COCKLE CREEK SMELTER PTY LIMITED by the Environment Protection Authority (EPA), under the *Protection of the Environment Operations Act 1997* (the POEO Act).

This letter is to remind you of the annual licensing obligations, in particular the requirement to submit an Annual Return and annual licence fees.

Annual Return

Condition R1.5 of your licence requires that you complete and submit an Annual Return within 60 days of the end of each reporting period.

You can complete and submit your Annual Return online via eConnect EPA - the EPA's licensing portal at:
www.epa.nsw.gov.au/licensing/econnectepa.htm.

Your environment protection
licence Annual Return is due
to the EPA by:

29-Apr-2017

If you do not submit the Annual
Return by the due date you may
receive a fine of up to \$3000.

If you are unable to submit your Annual Return online, you must complete the attached Annual Return and send it to the EPA by Registered Post to the following address:

Regulatory and Compliance Support Unit
Environment Protection Authority
PO Box A290
SYDNEY SOUTH NSW 1232

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08 MAR 2017

PO Box A290 Sydney South NSW 1232
59-61 Goulburn St Sydney NSW 2000
Tel (02) 9995 5700 Fax (02) 9995 5922
TTY (02) 9211 4723
ABN 43 692 285 758
www.epa.nsw.gov.au

Licence Fees

Once your Annual Return is received by the EPA, the information provided will inform the EPA's determination of your environmental management category which the EPA will use to calculate the annual licence administrative fee. Once the EPA has determined your annual fee a Tax Invoice/Statement will be sent to you.

If the licensed activities are subject to Load-Based Licensing (LBL), payment of a load-based fee may also be required. The EPA will calculate the load based fee using the data you provide in the Annual Return. If the payment of a load based fee is required a separate Tax Invoice/Statement will be sent to you.

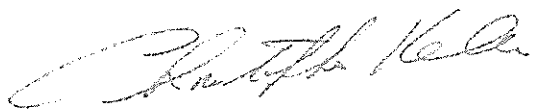
The licence fees will need to be paid to the EPA by 28-Jun-2017.

For information on risk-based licensing please refer to the EPA's website at:
www.epa.nsw.gov.au/licensing/licencereg.htm.

As of 1 July 2016 the EPA will not consider environmental improvement works in the calculation of the environmental management category. For further information regarding this change please refer to www.epa.nsw.gov.au/licensing/EMCP.htm.

The EPA is committed to assisting the licensed community to meet its obligations under the POEO Act. Please refer to: www.epa.nsw.gov.au/licensing for guidance on completing annual returns. If you have any questions relating to the submission of the Annual Return or payment of the licence fee, please contact the EPA on 02 9995 5700.

Yours sincerely



CHRISTOPHER KELLY
Head Regulatory and Compliance Support Unit
Environment Protection Authority

Annual Return

PASMINCO COCKLE CREEK SMELTER PTY LIMITED



ANNUAL RETURN

LICENCE NO	5042
LICENCE HOLDER	PASMINCO COCKLE CREEK SMELTER PTY LIMITED
REPORTING PERIOD	01-Mar-2016 to 28-Feb-2017

If your licence has been transferred, suspended, surrendered or revoked by the EPA during this reporting period, cross out the dates above and specify the new dates to which this Annual Return relates below:

REVISED REPORTING PERIOD ____ / ____ / ____ to ____ / ____ / ____

(Note: the revised reporting period also needs to be entered in Section H)

THIS ANNUAL RETURN MUST BE RECEIVED BY THE EPA BEFORE 30-Apr-2017

Your Annual Return must be completed, including certification in Section H, and submitted to the EPA no later than 60 Days after the end of the reporting period for your licence.

Failure to submit this Annual Return within 60 days after the reporting period ends may result in:

- the issue of a Penalty Notice for \$1500 (individuals) or \$3000 (corporations);
- OR
- prosecution.

Please send your completed Annual Return by Registered Post to:

Regulatory and Compliance Support Unit
Environment Protection Authority
PO Box A290
SYDNEY SOUTH NSW 1232

It is an offence to supply any information in this form to the EPA that is false or misleading in a material respect, or to certify a statement that is false or misleading in a material respect.

THERE IS A MAXIMUM PENALTY OF \$250,000 FOR A CORPORATION OR \$120,000 FOR AN INDIVIDUAL.

Details provided in this Annual Return will be available on the EPA's Public Register in accordance with section 308 of the *Protection of the Environment Operations Act 1997*

Annual Return

PASMINCO COCKLE CREEK SMELTER PTY LIMITED



Use the checklist below to ensure that you have completed your Annual Return correctly.

(✓ the boxes)

CHECKLIST		
<input type="checkbox"/>	Section A:	All licence details are correct
<input type="checkbox"/>	Section B1:	You have entered the correct number in the complaints table
<input type="checkbox"/>	Section B2 – B3:	If there are tables, you have provided the required details
<input type="checkbox"/>	Section C:	You have answered question 1, and 2 if applicable
<input type="checkbox"/>	Section D:	If applicable, you have completed all load calculation worksheets
<input type="checkbox"/>	Section E:	You have answered question 1, 2, 3, 4, 5 and 6 if applicable
<input type="checkbox"/>	Section F:	You have answered question 1, 2 and 3 if applicable
<input type="checkbox"/>	Section G:	You have answered question 1 and question 2, 3 and 4 or question 5 through to 11 if applicable
<input type="checkbox"/>	Section H:	The Annual Return has been signed by appropriate person(s) and, if applicable, the revised reporting period entered
<input type="checkbox"/>	Make a copy of the completed Annual Return and keep it with your licence records	

Please send your completed Annual Return by Registered Post to:

Regulatory and Compliance Support Unit
Environment Protection Authority
PO Box A290
SYDNEY SOUTH NSW 1232

Annual Return

PASMINCO COCKLE CREEK SMELTER PTY LIMITED



A Statement of Compliance - Licence Details

ALL licence holders must check that the licence details in Section A are correct

If there are changes to any of these details you must advise the EPA and apply as soon as possible for a variation to your licence or for a licence transfer.

Licence variation and transfer application forms are available on the EPA website at: <http://www.epa.nsw.gov.au/licensing>, or from regional offices of the EPA, or by contacting us on telephone 02 9995 5700

If you are applying to vary or transfer your licence you must still complete this Annual Return.

A1 Licence Holder

Licence Number 5042
Licence Holder PASMINCO COCKLE CREEK SMELTER PTY LIMITED
Trading Name (if applicable)
ABN 30 000 083 670

A2 Premises to which Licence Applies (if applicable)

Common Name (if any) PASMINCO COCKLE CREEK SMELTER & INCITEC FERTILIZERS
Premises MAIN ROAD BOOLAROO NSW 2284

A3 Activities to which Licence Applies

Waste disposal (application to land)

A4 Other Activities (if applicable)

A5 Fee-Based Activity Classifications

Note that the fee based activity classification is used to calculate the administrative fee.

Fee-based activity	Activity scale	Unit of measure
Waste disposal by application to land		capacity

A6 Assessable Pollutants (Not Applicable)

Annual Return

PASMINCO COCKLE CREEK SMELTER PTY LIMITED



B Monitoring and Complaints Summary

B1 Number of Pollution Complaints

Number of complaints recorded by the licensee during the reporting period. If no complaints were received enter nil in the attached box, otherwise complete the table below.		1
Pollution Complaint Category	Number of Complaints	
Air		
Water		
Noise		
Waste		
Other	1	

B2 Concentration Monitoring Summary

For each monitoring point identified in your licence complete all the details for each pollutant listed in the tables provided below.

If concentration monitoring is not required by your licence, no tables will appear below.

Note that this does not exclude the need to conduct appropriate concentration monitoring of assessable pollutants as required by load-based licensing (if applicable).

Monitoring Point 19

Discharge quality monitoring and wet weather discharge, Discharge point defined as Point 19 on plan titled "Plan of Licensed Premises at the Pasminco Cockle Creek Smelter Site" Drawing Ref. 141_EPA_N_160705.dwg, Revision N, dated 05.07.2016 and produced by Positive Survey Solutions Pty Ltd

Pollutant	Unit of measure	No. of samples required by licence	No. of samples you collected and analysed	Lowest sample value	Mean of sample	Highest sample value
Aluminium	milligrams per litre	Nil	Nil	Nil	Nil	Nil

Annual Return

PASMINCO COCKLE CREEK SMELTER PTY LIMITED



Arsenic	milligrams per litre	Nil	Nil	Nil	Nil	Nil
Cadmium	milligrams per litre	Nil	Nil	Nil	Nil	Nil
Lead	milligrams per litre	Nil	Nil	Nil	Nil	Nil
Mercury	milligrams per litre	Nil	Nil	Nil	Nil	Nil
pH	pH	Nil	Nil	Nil	Nil	Nil
Selenium	milligrams per litre	Nil	Nil	Nil	Nil	Nil
Total suspended solids	milligrams per litre	Nil	Nil	Nil	Nil	Nil
Zinc	milligrams per litre	Nil	Nil	Nil	Nil	Nil

Monitoring Point 34

Deposition monitoring, Monitoring point defined as Point 34 on plan titled "Plan of Licensed Premises at the Pasminco Cockle Creek Smelter Site" Drawing Ref. 141_EPA_N_160705.dwg, Revision N, dated 05.07.2016 and produced by Positive Survey Solutions Pty Ltd

Pollutant	Unit of measure	No. of samples required by licence	No. of samples you collected and analysed	Lowest sample value	Mean of sample	Highest sample value
Lead	grams per square metre per month	12	12	0.0006	0.0006	0.0006
Particulates - Deposited Matter	grams per square metre per month	12	12	0.20	0.57	1.80

Note: When concentrations are less than laboratory detection limits, half of the limit of reporting has been used in calculations.

Monitoring Point 39

Ambient air monitoring, Monitoring point defined as Point 39 on plan titled "Plan of Licensed Premises at the Pasminco Cockle Creek Smelter Site" Drawing Ref. 141_EPA_N_160705.dwg, Revision N, dated 05.07.2016 and produced by Positive Survey Solutions Pty Ltd

Annual Return

PASMINCO COCKLE CREEK SMELTER PTY LIMITED



Pollutant	Unit of measure	No. of samples required by licence	No. of samples you collected and analysed	Lowest sample value	Mean of sample	Highest sample value
Arsenic	micrograms per cubic metre	60	60	0.0002	0.0011	0.0064
Cadmium	micrograms per cubic metre	60	60	0.0002	0.0002	0.0005
Lead	micrograms per cubic metre	60	60	0.0008	0.0073	0.0290
Mercury	micrograms per cubic metre	60	60	0.0002	0.0002	0.0002
PM10	micrograms per cubic metre	365	359	0.0	14.0	44.3
Selenium	micrograms per cubic metre	60	60	0.0012	0.0012	0.0012
Total Solid Particles	micrograms per cubic metre	60	60	14.0	46.1	275
Zinc	micrograms per cubic metre	60	60	0.0136	0.0505	0.1089

Note: When concentrations are less than laboratory detection limits, half of the limit of reporting has been used in calculations.

Monitoring Point 40

Dust deposition monitoring, Monitoring point defined as Point 40 on plan titled "Plan of Licensed Premises at the Pasminco Cockle Creek Smelter Site" Drawing Ref. 141_EPA_N_160705.dwg, Revision N, dated 05.07.2016 and produced by Positive Survey Solutions Pty Ltd

Pollutant	Unit of measure	No. of samples required by licence	No. of samples you collected and analysed	Lowest sample value	Mean of sample	Highest sample value
Lead	grams per square metre per month	12	12	0.0006	0.0008	0.0028
Particulates - Deposited Matter	grams per square metre per month	12	12	0.20	0.66	2.70

Note: When concentrations are less than laboratory detection limits, half of the limit of reporting has been used in calculations.

Monitoring Point 41

Deposition monitoring, Monitoring point defined as Point 41 on plan titled "Plan of Licensed Premises at

Annual Return

PASMINCO COCKLE CREEK SMELTER PTY LIMITED



the Pasminco Cockle Creek Smelter Site" Drawing Ref. 141_EPA_N_160705.dwg, Revision N, dated 05.07.2016 and produced by Positive Survey Solutions Pty Ltd

Pollutant	Unit of measure	No. of samples required by licence	No. of samples you collected and analysed	Lowest sample value	Mean of sample	Highest sample value
Lead	grams per square metre per month	12	11	0.0006	0.0007	0.0015
Particulates - Deposited Matter	grams per square metre per month	12	11	0.50	1.19	2.50

Note: When concentrations are less than laboratory detection limits, half of the limit of reporting has been used in calculations.

Monitoring Point 42

Deposition monitoring, Monitoring point defined as Point 42 on plan titled "Plan of Licensed Premises at the Pasminco Cockle Creek Smelter Site" Drawing Ref. 141_EPA_N_160705.dwg, Revision N, dated 05.07.2016 and produced by Positive Survey Solutions Pty Ltd

Pollutant	Unit of measure	No. of samples required by licence	No. of samples you collected and analysed	Lowest sample value	Mean of sample	Highest sample value
Lead	grams per square metre per month	12	12	0.0006	0.0006	0.0006
Particulates - Deposited Matter	grams per square metre per month	12	12	0.10	0.53	1.40

Note: When concentrations are less than laboratory detection limits, half of the limit of reporting has been used in calculations.

Monitoring Point 43

Ambient air monitoring, Monitoring point defined as Point 43 on plan titled "Plan of Licensed Premises at the Pasminco Cockle Creek Smelter Site" Drawing Ref. 141_EPA_N_160705.dwg, Revision N, dated 05.07.2016 and produced by Positive Survey Solutions Pty Ltd

Pollutant	Unit of measure	No. of samples required by licence	No. of samples you collected and analysed	Lowest sample value	Mean of sample	Highest sample value
Arsenic	micrograms per cubic metre	60	60	0.0002	0.0010	0.0054
Cadmium	micrograms per cubic metre	60	60	0.0002	0.0002	0.0006
Lead	micrograms per cubic metre	60	60	0.0014	0.0093	0.0325

Note: When concentrations are less than laboratory detection limits, half of the limit of reporting has been used in calculations.

Annual Return

PASMINCO COCKLE CREEK SMELTER PTY LIMITED



Mercury	micrograms per cubic metre	60	60	0.0002	0.0002	0.0002
PM10	micrograms per cubic metre	365	288	0.0	11.5	77.0
Selenium	micrograms per cubic metre	60	60	0.0012	0.0012	0.0012
Total Solid Particles	micrograms per cubic metre	60	60	4.0	51.3	140.0
Zinc	micrograms per cubic metre	60	60	0.0246	0.0490	0.1120

Note: When concentrations are less than laboratory detection limits, half of the limit of reporting has been used in calculations.

Monitoring Point 51

Groundwater quality monitoring, Defined as Point 51 on plan titled "Plan of Licensed Premises at the Pasminco Cockle Creek Smelter Site" Drawing Ref. 141_EPA_N_160705.dwg, Revision N, dated 05.07.2016 and produced by Positive Survey Solutions Pty Ltd

Pollutant	Unit of measure	No. of samples required by licence	No. of samples you collected and analysed	Lowest sample value	Mean of sample	Highest sample value
Alkalinity (as calcium carbonate)	milligrams per litre	1	2	27	37	47
Ammonia	milligrams per litre	2	2	0.15	0.19	0.23
Bicarbonate	milligrams per litre	2	2	27	37	47
Cadmium	milligrams per litre	2	2	0.0002	0.0016	0.0029
Calcium	milligrams per litre	1	1	6.0	6.0	6.0
Chloride	milligrams per litre	1	1	69	69	69
Conductivity	microsiemens per centimetre	2	2	649	1354	2059
Fluoride	milligrams per litre	2	2	0.1	0.1	0.1

Annual Return

PASMINCO COCKLE CREEK SMELTER PTY LIMITED



Lead	milligrams per litre	2	2	0.001	0.004	0.006
Magnesium	milligrams per litre	1	1	23	23	23
Nickel	milligrams per litre	2	2	0.008	0.012	0.015
Oxidation Reduction Potential	millivolts	2	2	206.7	214	221.4
pH	pH	2	2	5.64	5.76	5.88
Potassium	milligrams per litre	1	1	21	21	21
Sodium	milligrams per litre	1	1	380	380	380
Standing Water Level	metres	2	2	4.96	5.07	5.17
Sulfate	milligrams per litre	1	1	79	79	79
Temperature	degrees Celsius	2	2	20.8	21.25	21.7
Total dissolved solids	milligrams per litre	2	2	1290	1365	1440
Zinc	milligrams per litre	2	2	0.062	0.203	0.343

Monitoring Point 52

Groundwater quality monitoring, Defined as Point 52 on plan titled "Plan of Licensed Premises at the Pasminco Cockle Creek Smelter Site" Drawing Ref. 141_EPA_N_160705.dwg, Revision N, dated 05.07.2016 and produced by Positive Survey Solutions Pty Ltd

Pollutant	Unit of measure	No. of samples required by licence	No. of samples you collected and analysed	Lowest sample value	Mean of sample	Highest sample value
Alkalinity (as calcium carbonate)	milligrams per litre	1	2	4	5.5	7

Annual Return

PASMINCO COCKLE CREEK SMELTER PTY LIMITED



Ammonia	milligrams per litre	2	2	0.03	0.04	0.05
Bicarbonate	milligrams per litre	2	2	4	5.5	7
Cadmium	milligrams per litre	2	2	<0.0001	0.0001	0.0001
Calcium	milligrams per litre	1	1	1	1	1
Chloride	milligrams per litre	1	1	66	66	66
Conductivity	microsiemens per centimetre	2	2	372	450	527
Fluoride	milligrams per litre	2	2	<0.1	<0.1	<0.1
Lead	milligrams per litre	2	2	<0.001	0.001	0.001
Magnesium	milligrams per litre	1	1	1	1	1
Nickel	milligrams per litre	2	2	<0.0010	0.0015	0.0020
Oxidation Reduction Potential	millivolts	2	2	674	694	713.3
pH	pH	2	2	4.88	5.09	5.29
Potassium	milligrams per litre	1	1	1	1	1
Sodium	milligrams per litre	1	1	105	105	105
Standing Water Level	metres	2	2	7.38	7.51	7.63
Sulfate	milligrams per litre	1	1	56	56	56

Annual Return

PASMINCO COCKLE CREEK SMELTER PTY LIMITED



Temperature	degrees Celsius	2	2	18.8	20.35	21.9
Total dissolved solids	milligrams per litre	2	2	530	790	1050
Zinc	milligrams per litre	2	2	0.007	0.014	0.021

Monitoring Point 53

Groundwater quality monitoring, Defined as Point 53 on plan titled "Plan of Licensed Premises at the Pasminco Cockle Creek Smelter Site" Drawing Ref. 141_EPA_N_160705.dwg, Revision N, dated 05.07.2016 and produced by Positive Survey Solutions Pty Ltd

Pollutant	Unit of measure	No. of samples required by licence	No. of samples you collected and analysed	Lowest sample value	Mean of sample	Highest sample value
Alkalinity (as calcium carbonate)	milligrams per litre	1	2	538	545	552
Ammonia	milligrams per litre	2	2	0.350	0.355	0.360
Bicarbonate	milligrams per litre	2	2	538	545	552
Cadmium	milligrams per litre	2	2	<0.0001	0.0001	0.0001
Calcium	milligrams per litre	1	1	275	275	275
Chloride	milligrams per litre	1	1	1690	1690	1690
Conductivity	microsiemens per centimetre	2	2	6144	7358	8571
Fluoride	milligrams per litre	2	2	0.4	0.5	0.6
Lead	milligrams per litre	2	2	<0.001	<0.001	<0.001
Magnesium	milligrams per litre	1	1	152	152	152

Annual Return

PASMINCO COCKLE CREEK SMELTER PTY LIMITED



Nickel	milligrams per litre	2	2	<0.0010	0.0015	0.0020
Oxidation Reduction Potential	millivolts	2	2	-12	17.4	46.8
pH	pH	2	2	6.92	7.21	7.50
Potassium	milligrams per litre	1	1	24	24	24
Sodium	milligrams per litre	1	1	1380	1380	1380
Standing Water Level	metres	2	2	6.7	6.77	6.84
Sulfate	milligrams per litre	1	1	217	217	217
Temperature	degrees Celsius	2	2	18.7	19.55	20.4
Total dissolved solids	milligrams per litre	2	2	5090	5180	5270
Zinc	milligrams per litre	2	2	<0.005	0.017	0.028

Monitoring Point 54

Groundwater quality monitoring, Defined as Point 54 on plan titled "Plan of Licensed Premises at the Pasminco Cockle Creek Smelter Site" Drawing Ref. 141_EPA_N_160705.dwg, Revision N, dated 05.07.2016 and produced by Positive Survey Solutions Pty Ltd

Pollutant	Unit of measure	No. of samples required by licence	No. of samples you collected and analysed	Lowest sample value	Mean of sample	Highest sample value
Alkalinity (as calcium carbonate)	milligrams per litre	1	2	<1	<1	<1
Ammonia	milligrams per litre	2	2	0.12	0.14	0.16
Bicarbonate	milligrams per litre	2	2	<1	<1	<1

Annual Return

PASMINCO COCKLE CREEK SMELTER PTY LIMITED



Cadmium	milligrams per litre	2	2	0.0024	0.015	0.0274
Calcium	milligrams per litre	1	1	17	17	17
Chloride	milligrams per litre	1	1	1390	1390	1390
Conductivity	microsiemens per centimetre	2	2	5252	5680	6108
Fluoride	milligrams per litre	2	2	0.6	0.6	0.6
Lead	milligrams per litre	2	2	0.003	0.014	0.024
Magnesium	milligrams per litre	1	1	135	135	135
Nickel	milligrams per litre	2	2	0.012	0.015	0.017
Oxidation Reduction Potential	millivolts	2	2	478.2	587.4	696.6
pH	pH	2	2	3.88	4.03	4.17
Potassium	milligrams per litre	1	1	7	7	7
Sodium	milligrams per litre	1	1	1000	1000	1000
Standing Water Level	metres	2	2	6.34	6.40	6.45
Sulfate	milligrams per litre	1	1	411	411	411
Temperature	degrees Celsius	2	2	18.2	19.1	20.0
Total dissolved solids	milligrams per litre	2	2	3720	3900	4080

Annual Return

PASMINCO COCKLE CREEK SMELTER PTY LIMITED



Zinc	milligrams per litre	2	2	0.229	0.387	0.545
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Monitoring Point 55

Groundwater quality monitoring, Defined as Point 55 on plan titled "Plan of Licensed Premises at the Pasminco Cockle Creek Smelter Site" Drawing Ref. 141_EPA_N_160705.dwg, Revision N, dated 05.07.2016 and produced by Positive Survey Solutions Pty Ltd

Pollutant	Unit of measure	No. of samples required by licence	No. of samples you collected and analysed	Lowest sample value	Mean of sample	Highest sample value
Alkalinity (as calcium carbonate)	milligrams per litre	1	2	7	12	17
Ammonia	milligrams per litre	2	2	0.78	0.815	0.850
Bicarbonate	milligrams per litre	2	2	3.0	5.0	7.0
Cadmium	milligrams per litre	2	2	<0.0001	0.0001	0.0001
Calcium	milligrams per litre	1	1	172	172	172
Chloride	milligrams per litre	1	1	1430	1430	1430
Conductivity	microsiemens per centimetre	2	2	3795	4573	5350
Fluoride	milligrams per litre	2	2	0.1	0.15	0.20
Lead	milligrams per litre	2	2	<0.001	0.001	0.001
Magnesium	milligrams per litre	1	1	18	18	18
Nickel	milligrams per litre	2	2	<0.001	0.001	0.001
Oxidation Reduction Potential	millivolts	2	2	18.8	44.2	69.6

Annual Return

PASMINCO COCKLE CREEK SMELTER PTY LIMITED



pH	pH	2	2	9.98	10.03	10.08
Potassium	milligrams per litre	1	1	16	16	16
Sodium	milligrams per litre	1	1	915	915	915
Standing Water Level	metres	2	2	5.83	5.89	5.94
Sulfate	milligrams per litre	1	1	229	229	229
Temperature	degrees Celsius	2	2	18.6	19.75	20.9
Total dissolved solids	milligrams per litre	2	2	2970	3155	3340
Zinc	milligrams per litre	2	2	<0.005	0.005	0.005

Monitoring Point 56

Groundwater quality monitoring, Defined as Point 49 (although is Point 56) on plan titled "Plan of Licensed Premises at the Pasminco Cockle Creek Smelter Site" Drawing Ref. 141_EPA_N_160705.dwg, Revision N, dated 05.07.2016 and produced by Positive Survey Solutions Pty Ltd

Pollutant	Unit of measure	No. of samples required by licence	No. of samples you collected and analysed	Lowest sample value	Mean of sample	Highest sample value
Alkalinity (as calcium carbonate)	milligrams per litre	1	2	133	143	152
Ammonia	milligrams per litre	2	2	<0.010	0.015	0.020
Bicarbonate	milligrams per litre	2	2	133	143	152
Cadmium	milligrams per litre	2	2	0.0006	0.002	0.0036
Calcium	milligrams per litre	1	1	116	116	116

Annual Return

PASMINCO COCKLE CREEK SMELTER PTY LIMITED



Chloride	milligrams per litre	1	1	756	756	756
Conductivity	microsiemens per centimetre	2	2	5407	7017	8627
Fluoride	milligrams per litre	2	2	0.8	0.8	0.8
Lead	milligrams per litre	2	2	<0.001	<0.001	<0.001
Magnesium	milligrams per litre	1	1	244	244	244
Nickel	milligrams per litre	2	2	0.018	0.024	0.030
Oxidation Reduction Potential	millivolts	2	2	289.0	380.1	327.1
pH	pH	2	2	5.91	5.98	6.05
Potassium	milligrams per litre	1	1	16	16	16
Sodium	milligrams per litre	1	1	1490	1490	1490
Standing Water Level	metres	2	2	5.92	5.97	6.02
Sulfate	milligrams per litre	1	1	485	485	485
Temperature	degrees Celsius	2	2	18.3	19.1	19.9
Total dissolved solids	milligrams per litre	2	2	4900	5130	5360
Zinc	milligrams per litre	2	2	0.036	0.037	0.037

Discharge & Monitoring Point 57

Discharge to Waters, Water Quality and Volume Monitoring, Defined as Point 57 Water Treatment Plant discharge on plan titled "Plan of Licensed Premises at the Pasminco Cockle Creek Smelter Site" Drawing

Annual Return

PASMINCO COCKLE CREEK SMELTER PTY LIMITED



Ref. 141_EPA_N_160705.dwg, Revision N, dated 05.07.2016 and produced by Positive Survey Solutions Pty Ltd

Pollutant	Unit of measure	No. of samples required by licence	No. of samples you collected and analysed	Lowest sample value	Mean of sample	Highest sample value
Aluminium	milligrams per litre	38	38	0.01	0.0226	0.16
Arsenic	milligrams per litre	137	137	0.00005	0.000736	0.002
Cadmium	milligrams per litre	137	137	0.00001	0.000131	0.002
Lead	milligrams per litre	137	137	0.0005	0.000796	0.006
Mercury	milligrams per litre	137	137	0.00005	0.00005	0.00005
pH	pH	137	137	6.5	7.69	8.4
Selenium	milligrams per litre	137	137	0.0005	0.00508	0.01
Total suspended solids	milligrams per litre	137	137	2.5	12.05	48
Zinc	milligrams per litre	137	137	0.0025	0.044281	0.224

Monitoring Point 58

Leachate quality monitoring, Defined as containment cell Sump A on plan titled "Plan of Licensed Premises at the Pasminco Cockle Creek Smelter Site" Drawing Ref. 141_EPA_N_160705.dwg, Revision N, dated 05.07.2016 and produced by Positive Survey Solutions Pty Ltd

Pollutant	Unit of measure	No. of samples required by licence	No. of samples you collected and analysed	Lowest sample value	Mean of sample	Highest sample value
Alkalinity (as calcium carbonate)	milligrams per litre	1	1	32	32	32
Cadmium	milligrams per litre	4	4	<0.0001	0.007	0.0269

Annual Return

PASMINCO COCKLE CREEK SMELTER PTY LIMITED



Calcium	milligrams per litre	1	1	50	50	50
Chloride	milligrams per litre	1	1	79	79	79
Lead	milligrams per litre	4	4	<0.001	0.003	0.005
Magnesium	milligrams per litre	1	1	53	53	53
Nickel	milligrams per litre	4	4	0.003	0.014	0.034
Potassium	milligrams per litre	1	1	25	25	25
Sodium	milligrams per litre	1	1	256	256	256
Sulfate	milligrams per litre	1	1	84	84	84
Zinc	milligrams per litre	4	4	0.02	1.65	5.45

Monitoring Point 59

Leachate quality monitoring, Defined as containment cell Sump B on plan titled "Plan of Licensed Premises at the Pasminco Cackle Creek Smelter Site" Drawing Ref. 141_EPA_N_160705.dwg, Revision N, dated 05.07.2016 and produced by Positive Survey Solutions Pty Ltd

Pollutant	Unit of measure	No. of samples required by licence	No. of samples you collected and analysed	Lowest sample value	Mean of sample	Highest sample value
Alkalinity (as calcium carbonate)	milligrams per litre	1	1	101	101	101
Cadmium	milligrams per litre	4	4	0.0058	0.012	0.0175
Calcium	milligrams per litre	1	1	59	59	59
Chloride	milligrams per litre	1	1	209	209	209

Annual Return

PASMINCO COCKLE CREEK SMELTER PTY LIMITED



Lead	milligrams per litre	4	4	<0.001	0.002	0.003
Magnesium	milligrams per litre	1	1	34	34	34
Nickel	milligrams per litre	4	4	0.013	0.057	0.156
Potassium	milligrams per litre	1	1	38	38	38
Sodium	milligrams per litre	1	1	215	215	215
Sulfate	milligrams per litre	1	1	253	253	253
Zinc	milligrams per litre	4	4	2.2	9.513	25.5

Monitoring Point 60

Leachate quality monitoring, Defined as containment cell Sump C on plan titled "Plan of Licensed Premises at the Pasminco Cockle Creek Smelter Site" Drawing Ref. 141_EPA_N_160705.dwg, Revision N, dated 05.07.2016 and produced by Positive Survey Solutions Pty Ltd

Pollutant	Unit of measure	No. of samples required by licence	No. of samples you collected and analysed	Lowest sample value	Mean of sample	Highest sample value
Alkalinity (as calcium carbonate)	milligrams per litre	1	1	60	60	60
Cadmium	milligrams per litre	4	3^	0.0008	0.017	0.0367
Calcium	milligrams per litre	1	1	38	38	38
Chloride	milligrams per litre	1	1	303	303	303
Lead	milligrams per litre	4	3^	<0.001	0.021	0.034
Magnesium	milligrams per litre	1	1	78	78	78

Annual Return

PASMINCO COCKLE CREEK SMELTER PTY LIMITED



Nickel	milligrams per litre	4	3^	0.010	0.029	0.043
Potassium	milligrams per litre	1	1	10	10	10
Sodium	milligrams per litre	1	1	684	684	684
Sulfate	milligrams per litre	1	1	288	288	288
Zinc	milligrams per litre	4	3^	0.0647	1.782	2.530

^Sump dry at time of monitoring on one occasion. No sample collected. See non-compliance form for details(Section C2).

Monitoring Point 61

Leachate quality monitoring, Defined as containment cell sump D on plan titled "Plan of Licensed Premises at the Pasminco Cockle Creek Smelter Site" Drawing Ref. 141_EPA_N_160705.dwg, Revision N, dated 05.07.2016 and produced by Positive Survey Solutions Pty Ltd

Pollutant	Unit of measure	No. of samples required by licence	No. of samples you collected and analysed	Lowest sample value	Mean of sample	Highest sample value
Alkalinity (as calcium carbonate)	milligrams per litre	1	1	54	54	54
Cadmium	milligrams per litre	4	4	0.0039	0.019	0.0336
Calcium	milligrams per litre	1	1	35	35	35
Chloride	milligrams per litre	1	1	164	164	164
Lead	milligrams per litre	4	4	<0.001	0.001	<0.001
Magnesium	milligrams per litre	1	1	58	58	58
Nickel	milligrams per litre	4	4	0.026	0.030	0.038
Potassium	milligrams per litre	1	1	14	14	14

Annual Return

PASMINCO COCKLE CREEK SMELTER PTY LIMITED



Sodium	milligrams per litre	1	1	495	495	495
Sulfate	milligrams per litre	1	1	248	248	248
Zinc	milligrams per litre	4	4	0.196	2.184	4.410

Monitoring Point 62

Leachate quality monitoring, Defined as containment cell Sump E on plan titled "Plan of Licensed Premises at the Pasminco Cockle Creek Smelter Site" Drawing Ref. 141_EPA_N_160705.dwg, Revision N, dated 05.07.2016 and produced by Positive Survey Solutions Pty Ltd

Pollutant	Unit of measure	No. of samples required by licence	No. of samples you collected and analysed	Lowest sample value	Mean of sample	Highest sample value
Alkalinity (as calcium carbonate)	milligrams per litre	1	1	73	73	73
Cadmium	milligrams per litre	4	4	0.0006	0.0060	0.0113
Calcium	milligrams per litre	1	1	179	179	179
Chloride	milligrams per litre	1	1	649	649	649
Lead	milligrams per litre	4	4	<0.001	0.006	0.012
Magnesium	milligrams per litre	1	1	75	75	75
Nickel	milligrams per litre	4	4	0.004	0.007	0.011
Potassium	milligrams per litre	1	1	53	53	53
Sodium	milligrams per litre	1	1	800	800	800
Sulfate	milligrams per litre	1	1	969	969	969

Annual Return

PASMINCO COCKLE CREEK SMELTER PTY LIMITED



Zinc	milligrams per litre	4	4	0.012	0.103	0.159
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Discharge & Monitoring Point 63

Discharge to waters, Water quality monitoring and volume monitoring, Discharge point defined as Point 63 on plan titled "Plan of Licensed Premises at the Pasminco Cockle Creek Smelter Site" Drawing Ref. 141_EPA_N_160705.dwg, Revision N, dated 05.07.2016 and produced by Positive Survey Solutions Pty Ltd

Pollutant	Unit of measure	No. of samples required by licence	No. of samples you collected and analysed	Lowest sample value	Mean of sample	Highest sample value
Aluminium	milligrams per litre	Nil	Nil	Nil	Nil	Nil
Arsenic	milligrams per litre	Nil	Nil	Nil	Nil	Nil
Cadmium	milligrams per litre	Nil	Nil	Nil	Nil	Nil
Lead	milligrams per litre	Nil	Nil	Nil	Nil	Nil
Mercury	milligrams per litre	Nil	Nil	Nil	Nil	Nil
pH	pH	Nil	Nil	Nil	Nil	Nil
Selenium	milligrams per litre	Nil	Nil	Nil	Nil	Nil
Total suspended solids	milligrams per litre	Nil	Nil	Nil	Nil	Nil
Zinc	milligrams per litre	Nil	Nil	Nil	Nil	Nil

Annual Return

PASMINCO COCKLE CREEK SMELTER PTY LIMITED



B3 Volume or Mass Monitoring Summary

For each monitoring point identified in your licence complete the details of the volume or mass monitoring indicated in the tables provided below.

If volume or mass monitoring is not required by your licence, no tables will appear below.

Note that this does not exclude the need to conduct appropriate concentration monitoring of assessable pollutants as required by load-based licensing (if applicable)

Discharge & Monitoring Point 57

Discharge to Waters, Water Quality and Volume Monitoring

Unit of measure	Frequency	No. of measurements made	Lowest result	Mean result	High result
kilolitres per day	Daily	137	22	118	251

Discharge & Monitoring Point 63

Discharge to waters, Water quality monitoring and volume monitoring

Unit of measure	Frequency	No. of measurements made	Lowest result	Mean result	High result
kilolitres per day	Daily	Nil	Nil	Nil	Nil

Annual Return

PASMINCO COCKLE CREEK SMELTER PTY LIMITED



C Statement of Compliance - Licence Conditions

C1 Compliance with Licence Conditions

(☒ the boxes)

- 1 Were all conditions of the licence complied with (including monitoring and reporting requirements)? ☐ Yes ☒ No

(☒ a box)

- 2 If you answered 'No' to question 1, please supply the following details for each non-compliance in the format, or similar format, provided on the following page.

Please use a separate page for each licence condition that has not been complied with

- a) What was the specific licence condition that was not complied with?
- b) What were the particulars of the non-compliance?
- c) What were the date(s) when the non-compliance occurred, if applicable?
- d) If relevant, what was the precise location where the non-compliance occurred?

Attach a map or diagram to the Statement to show the precise location.
- e) What were the registration numbers of any vehicles or the chassis number of any mobile plant involved in the non-compliance?
- f) What was the cause of the non-compliance?
- g) What action has been, or will be, taken to mitigate any adverse effects of the non-compliance?
- h) What action has been, or will be, taken to prevent a recurrence of the non-compliance?

3. How many pages have you attached?

Each attached page must be initialled by the person(s) who signs Section G of this Annual Return

8

A handwritten signature in black ink, appearing to be 'J. C.', located below the box containing the number 8.

Annual Return

PASMINCO COCKLE CREEK SMELTER PTY LIMITED



C2 Details of Non-Compliance with Licence

Licence condition number not complied with
M2.2 - Air Monitoring Requirements
Summary of particulars of the non-compliance (NO MORE THAN 50 WORDS)
Monitoring Point 41 - depositional dust monitoring 12 samples required to be analysed, 12 samples collected, but only 11 samples analysed.
If required, further details on particulars of non-compliance
NA
Date(s) when the non-compliance occurred, if applicable
Sample for December 2016
If relevant, precise location where the non-compliance occurred (attach a map or diagram)
Monitoring Point 41
If applicable, registration numbers of any vehicles or the chassis number of any mobile plant involved in the non-compliance
NA
Cause of non-compliance
The sample collected in December 2016 was submitted to the testing laboratory, however, during analysis the crucible containing the sample was inadvertently broken.
Action taken or that will be taken to mitigate any adverse effects of the non-compliance
NA
Action taken or that will be taken to prevent a recurrence of the non-compliance
NA

Annual Return

PASMINCO COCKLE CREEK SMELTER PTY LIMITED



C2 Details of Non-Compliance with Licence

Licence condition number not complied with
M2.2 - Air Monitoring Requirements
Summary of particulars of the non-compliance (NO MORE THAN 50 WORDS)
Monitoring Point 39 - continuous PM10 monitoring is required on a 15-minute basis, however only partial sampling occurred on a total of 6 days where some of the 15-minute recordings were not logged due to a filter load error.
If required, further details on particulars of non-compliance
NA
Date(s) when the non-compliance occurred, if applicable
12 May 2016; 27 & 30 June 2016; and 1, 4 & 5 July 2016
If relevant, precise location where the non-compliance occurred (attach a map or diagram)
Monitoring Point 39 - Argenton TEOM
If applicable, registration numbers of any vehicles or the chassis number of any mobile plant involved in the non-compliance
NA
Cause of non-compliance
Equipment error from filter overload causing data logging to stop on the above-mentioned days. After the filter was changed, data was logged for the remainder of each of the days.
Action taken or that will be taken to mitigate any adverse effects of the non-compliance
NA - no adverse effects caused by the partial loss of continuous 15-minute data.
Action taken or that will be taken to prevent a recurrence of the non-compliance
It was noted at which load percentage the filters were required to be changed. Filters will now be changed when nearing this percentage to avoid loss of data.

Annual Return

PASMINCO COCKLE CREEK SMELTER PTY LIMITED



C2 Details of Non-Compliance with Licence

Licence condition number not complied with
M2.2 - Air Monitoring Requirements
Summary of particulars of the non-compliance (NO MORE THAN 50 WORDS)
Monitoring Point 43 - continuous PM10 Monitoring required, however data not recorded on 37 days due to equipment failure. Partial sampling occurred on a further 40 days with some 15-minute recordings not logged due to a flow leak in the in-line filter connection.
If required, further details on particulars of non-compliance
Further details were provided to the EPA in a letter dated 9 September 2016. A copy of this letter is attached.
Date(s) when the non-compliance occurred, if applicable
1 March to 7 April 2016 no data recorded; 11-20, 23-27, 29-30 April; 1-5, 7 May; and 6, 10-11, 13-18, 22-25, 27-30 June 2016 some 15-minute recordings not logged.
If relevant, precise location where the non-compliance occurred (attach a map or diagram)
Monitoring Point 43 - South West Dam TEOM
If applicable, registration numbers of any vehicles or the chassis number of any mobile plant involved in the non-compliance
NA
Cause of non-compliance
Equipment malfunction due to water ingress causing failure; then slight flow leak in the in-line filter connection resulting in the flow rate intermittent dropping below 3.0 l/min. This caused the loss of 15-minute data on an intermittent basis.
Action taken or that will be taken to mitigate any adverse effects of the non-compliance
NA - no adverse effects caused by the loss of daily data and partial loss of some 15-minute continuous data.
Action taken or that will be taken to prevent a recurrence of the non-compliance
TEOM unit re-installed on-site 7 April 2016, following off-site repairs. The in-line filter and connections were replaced in July 2016, no data loss has occurred since this time.

RCA ref 9104-765/0

9 September 2016

Pasminco Cockle Creek Smelter Pty Ltd (DOCA)
PO Box 42
Boolaroo, NSW 2284

Attention: Wayne Woodward

Geotechnical Engineering

Engineering Geology

Environmental Engineering

Hydrogeology

Construction Materials Testing

Environmental Monitoring

Sound & Vibration

Occupational Hygiene

**PASMINCO CONTINUOUS AIR QUALITY MONITORING
DURING THE 2015 EPL RETURN PERIOD**

RCA currently services the TEOM units located at the Pasminco Boolaroo site in accordance with the conditions of EPL 5042. There are two TEOM units owned by Pasminco. These are located at the South West Dam (EPL Monitoring Point 43); and the Argenton site (EPL Monitoring Point 39).

Both units are the TEOM 1400AB (1995) model. RCA were requested to undertake the download, maintenance and reporting of the TEOMS in January 2012.

The following provides documentation of the equipment malfunctions that occurred during the 2015 EPL return period (1 March 2015 to 29 February 2016). Details of data-loss during the 2016 return period to date is also detailed below.

Argenton TEOM unit & computer –

- The computer storing the TEOM data was found to be turning off on a daily basis. The computer was removed from site by RCA for service by PinPoint. The computer unit was away from site for service during the period 1 May to 13 May.
- The computer was returned to site on 14 May, yet still continued to fail intermittently.
- The computer was removed from site again for further repairs (15 May to 28 May). The computer was found to be overheating and hence shutting down. A new fan was installed by PinPoint. Computer was re-installed back onsite on 5 June 2015.
- During the above computer issues, the TEOM unit continued to monitor PM10 concentrations, however the data was not able to be recorded as the system is

setup to record data on the external computer, not on the TEOM's limited internal memory.

- The TEOM unit then lost its program memory as it was turned off when the computer was removed for repairs. After several unsuccessful attempts to re-load the program via instructions from Lear Siegler over the phone, Lear Siegler attended site on 29 & 30 June to re-program and service the TEOM.
- This unit has been running without any major issues since this time, with the exception of a few periods of invalid data recorded on 6 occasions during the 2016 EPL reporting period to date (12 May; 27, 30 June; 1, 4 and 5 July 2016). In many instances, the TEOM unit needs a slight flow adjustment or filter a changed. Once these actions have been performed, the unit returns to normal functionality.

South West Dam TEOM unit and computer –

- The computer storing the TEOM data at the South West Dam kept turning itself off on an intermittent basis during March (5-8); April (16-17, 22-24); May (28-29); and June (4-10). The computer was removed from site during the period 12-29 June 2015 and sent for investigation and repair. It was suspected the computer was suffering a similar overheating problem as the computer at Argenton due to the age of the unit and the fact that it is run continuously.
- The South West Dam TEOM unit, which continued to run without incident, underwent a service during the Lear Siegler site visit on 29 & 30 June 2015.
- The unit then ran without any major issues, with the exception of a few periods of invalid data recorded on 7 occasions during the 2015 EPL reporting (6-7 July; 8-10, 15-17, 23-24 August; 24-25, 28-29 October; and 1 November 2015). Again, during these instances, the TEOM unit needed a slight flow adjustment or filter a changed. Once these actions have been performed, the unit returned to normal functionality.
- Another loss of data occurred during the 2015 EPL return period between 23 December 2015 to 29 February 2016. The unit suffered from a major water ingress on 20 December during a significant rainfall event. As a result the cable connecting the Filter Housing unit to the TEOM unit arced, which in turn burnt out the sensor unit connector and ribbon cable assembly. Both the Filter Housing Unit and the TEOM unit had to be sent away for repairs at Lear Siegler. A new connector cable was also required. Due to the age of the unit, spare parts were considerably hard to obtain which delayed the repair process. The unit was not returned to site until 7 April 2016.
- This unit has been running without any major issues since this time, with the exception of a few periods of invalid data recorded on 9 intermittent occasions during the 2016 EPL return period. These data losses occurred in April (11-20, 23-27, 29-30); May (1-5, 7); and June (6, 10-11, 13-18, 22-25, 27-30). During this period, it was discovered there was a slight flow leak in the external in-line filter connection which resulted in the flow rate intermittently dropping below 3.0 l/min hence invalid data was intermittently recorded by the TEOM unit. A new filter and connector was ordered and has since been installed.

The TEOM unit and computer are checked by RCA on a weekly basis as a minimum, and often twice per week, when RCA staff are servicing adjacent equipment. This allows for quicker identification and rectification of any issues that may arise.

The age of the TEOM units and their associated components, including the computers, is a considerable issue in the ongoing performance of the units. It is becoming increasingly hard to obtain parts for these units as they have since been superseded by newer models. However, when the remaining term of the Pasminco remediation project is taken into consideration, it is difficult to justify the replacement cost (\$60-100K) to upgrade the existing equipment.

RCA have a portable continuous PM10 monitoring unit (Dustrack) which could be utilised if further long term repairs of the TEOM units is required. It should be noted however, that the use of this equipment is not compliant with AM-22 (AS 3580.9.8-2008) the approved EPA method for sampling and analysis of air pollutants in NSW, which stipulates the use of a TEOM unit. If this method of data capture is acceptable to the EPA for use during periods of TEOM breakdown, then we are happy to implement this protocol.

Yours faithfully
RCA AUSTRALIA



Karen Tripp
Senior Environmental Scientist / Hygienist

Annual Return

PASMINCO COCKLE CREEK SMELTER PTY LIMITED



C2 Details of Non-Compliance with Licence

Licence condition number not complied with
M2.3 (Monitoring Point 60)
Summary of particulars of the non-compliance (NO MORE THAN 50 WORDS)
Monitoring point 60 (Sump C) could not be sampled on one occasion as the sump was dry at the time of monitoring.
If required, further details on particulars of non-compliance
The sumps being dry is not a non-conformance and indicates that the system is working correctly and water is being removed from the drain as part of the standard operating procedure.
Date(s) when the non-compliance occurred, if applicable
If relevant, precise location where the non-compliance occurred (attach a map or diagram)
Monitoring point 60 (indicated as Sump C).
If applicable, registration numbers of any vehicles or the chassis number of any mobile plant involved in the non-compliance
Not applicable
Cause of non-compliance
Sump was dry at time of monitoring and could not be sampled.
Action taken or that will be taken to mitigate any adverse effects of the non-compliance
No action required. The purpose of monitoring the sumps is to monitor the quality of the water captured in the up and downgradient drains around the containment cell. Monitoring is therefore not required if the sumps are dry, which occurs as part of the standard operating procedure (removal of water from the sumps to the treatment plant for treatment).
Action taken or that will be taken to prevent a recurrence of the non-compliance
No action required.

A handwritten signature or mark, possibly a stylized 'A' or 'R', located at the bottom right of the page.

Annual Return

PASMINCO COCKLE CREEK SMELTER PTY LIMITED



C2 Details of Non-Compliance with Licence

Licence condition number not complied with
M2.3 (Monitoring Point 51-56 AND 58-62).
Summary of particulars of the non-compliance (NO MORE THAN 50 WORDS)
Chloride, sulphate and alkalinity samples were missed in the December sampling suite, additional samples were gathered on the 22/03/2017 for the 2016 report.
If required, further details on particulars of non-compliance
Additional sampling on the 22/03/2017 will not be counted towards the 2017 annual report.
Date(s) when the non-compliance occurred, if applicable
22/03/2017
If relevant, precise location where the non-compliance occurred (attach a map or diagram)
Monitoring Point 51-56 AND 58-62.
If applicable, registration numbers of any vehicles or the chassis number of any mobile plant involved in the non-compliance
Not applicable.
Cause of non-compliance
Human Error
Action taken or that will be taken to mitigate any adverse effects of the non-compliance
Chloride, sulphate and alkalinity samples were gathered on the 22/03/2017 for the 2016 report.
Action taken or that will be taken to prevent a recurrence of the non-compliance
Additional peer review of laboratory test sheets prior to handover to laboratory.

A handwritten signature in black ink, appearing to be a stylized 'L' or 'J' followed by a flourish.

Annual Return

PASMINCO COCKLE CREEK SMELTER PTY LIMITED



D Statement of Compliance - Load-Based Fee Calculation Worksheets

If you are not required to monitor assessable pollutants by your licence, no worksheets will appear below. Please go to Section E

If assessable pollutants have been identified on your licence (see licence condition L2), complete the following worksheets for each assessable pollutant to determine your load-based fee for the licence fee period to which this Annual Return relates

Loads of assessable pollutants must be calculated using any of the methods provided in the EPA's Load Calculation Protocol for the relevant activity. A Load Calculation Protocol would have been sent to you with your licence. If you require additional copies you can download the Protocol from the EPA's website or you can contact us on telephone 02 9995 5700

You are required to keep all records used to calculate licence fees for four years after the licence fee was paid or became payable, whichever is the later date.

PENALTIES APPLY FOR SUPPLYING FALSE OR MISLEADING INFORMATION

D1 - D8 (Not Applicable)

Annual Return

PASMINCO COCKLE CREEK SMELTER PTY LIMITED



E Statement of Compliance - Requirement to Prepare Pollution Incident Response Management Plan (PIRMP) Under Section 153A of the POEO Act 1997

- 1 Have you prepared a PIRMP as required under s153A of the Protection of the Environment Operations Act 1997?

(✓ a box)

☒ Yes

☐ No

If you answered 'Yes' to question 1, please tick the appropriate box to indicate the following.

- 2 Is the PIRMP available at the premises?

(✓ a box)

☒ Yes

☐ No

- 3 Is the PIRMP available in a prominent position on a publicly accessible web site?

(✓ a box)

☒ Yes

☐ No

If the PIRMP is available on a publicly accessible web site please indicate clearly below the address of the web site where the PIRMP can be accessed

Web site Address

www.pasminco.com.au

- 4 Has the PIRMP been tested in the last 12 months?

(✓ a box)

☒ Yes

☐ No

If you answered 'Yes' to question 4 please indicate clearly below the date that the PIRMP was last tested:

The PIRMP was last tested on

19 / 12 / 2016

- 5 Has the PIRMP been updated?

(✓ a box)

☒ Yes

☐ No

If you answered 'Yes' to question 5 please indicate clearly below the date that the PIRMP was last updated:

The PIRMP was last updated on

19 / 12 / 2016

- 6 How many times has the PIRMP been activated in this reporting period?

Nil

If the PIRMP has been activated, please indicate clearly below the date/s when the PIRMP was activated:

The PIRMP was activated on

___ / ___ / ___

The EPA's guidelines for preparation of pollution incident response management plans are available at

<http://www.epa.nsw.gov.au/legislation/20120227egpreppirmp.htm>

Annual Return

PASMINCO COCKLE CREEK SMELTER PTY LIMITED



F Statement of Compliance - Requirement to Publish Pollution Monitoring Data Under Section 66(6) of the POEO Act 1997

1 Are there any conditions attached to your licence that require pollution monitoring to be undertaken?

(✓ a box)

☒ Yes

☐ No

If you answered 'Yes' to question 1, please tick the appropriate box to indicate the following:

2 Do you operate a web site?

(✓ a box)

☒ Yes

☐ No

3 Is the pollution monitoring data published on your web site in accordance with the EPA's written requirements for publishing pollution monitoring data?

(✓ a box)

☒ Yes

☐ No

If you publish pollution monitoring data on a web site please indicate clearly below the address of the web site where the pollution monitoring data can be accessed

Web site address

www.pasminco.com.au

The EPA's written requirements for publishing pollution monitoring data are available at
<http://www.epa.nsw.gov.au/legislation/20120263regpubomdata.htm>

Note - if you do not maintain a web site, you must provide a copy of any monitoring data that relates to pollution, to any person requests a copy of the data at no charge to the person requesting the data.

G Statement of Compliance - Environmental Management Systems and Practices

- 1 Do you have an environmental management system (EMS) certified to ISO 14001 or any other demonstrated equivalent system? (see note below on demonstrated equivalent)

(✓ a box)

☐ Yes

☒ No

If your answer to question 1 is 'No', please proceed to question 5. If your answer to question 1 is 'Yes', please proceed to question 2.

- 2 When was the last check of the EMS? completed (see note below on check of EMS)?

- 3 Were there any non-conformances related to environmental issues identified in the last check of the EMS?

(✓ a box)

☐ Yes

☒ No

- 4 If there were non-conformances identified, were these non-conformances rectified?

(✓ a box)

☐ Yes

☒ No

If you answered 'No' to question 1, please answer questions 5 - 11. If you answered 'Yes' to question 1 please proceed to section H. Questions 5-11 relate to any documented environmental practices, procedures and systems in place. Refer to <http://www.epa.nsw.gov.au/licensing/EMCP.htm> for guidance on how to complete questions 5 to 11. If unsure of the answer tick No.

- 5 Have you conducted an assessment of your activities and operations to identify the aspects that have a potential to cause environmental impacts and implemented operational controls to address these aspects?

(✓ a box)

☒ Yes

☐ No

- 6 Have you established and implemented an operational maintenance program, including preventative maintenance?

(✓ a box)

☒ Yes

☐ No

- 7 Do you keep records of regular inspections and maintenance of plant and equipment?

(✓ a box)

☒ Yes

☐ No

- 8 Do you conduct regular site audits to assess compliance with environmental legal requirements and assess conformance to the requirements of any documented environmental practices, procedures and systems in place?

(✓ a box)

☒ Yes

☐ No

- 9 Are the audits of documented environmental practices, procedures and systems undertaken by a third party?

(✓ a box)

☒ Yes

☐ No

- 10 Have you established and implemented an environmental improvement or management plan?

(✓ a box)

☒ Yes

☐ No

- 11 Do you train staff in environmental issues that may arise from your activities and operations and keep records of this

(✓ a box)

☒ Yes

☐ No

* Demonstrated equivalent refers to an environmental management system that the EPA considers is equivalent to the accountability, procedures, documentation and record keeping requirements of an ISO 14001 system. For further information go to:

<http://www.epa.nsw.gov.au/resources/licensing/150402-environmental-management-systems-guidelines.pdf>

* Undertaking a 'check of an EMS' refers to the ISO 14001 requirements that an organisation demonstrates conformity to the requirements of its EMS and to the standard. These checks require third-party certification that requirements have been met.

Annual Return

PASMINCO COCKLE CREEK SMELTER PTY LIMITED



H Signature and Certification

This Annual Return may only be signed by a person(s) with legal authority to sign it as set out in the categories below. Please tick (✓) the box next to the category that describes how this Annual Return is being signed.

If you are uncertain about who is entitled to sign or which category to tick, please contact us on telephone 02 9995 5700.

If the licence holder is:	the Annual Return must be signed and certified by one of the following:
an individual	<input type="checkbox"/> the individual licence holder, or <input type="checkbox"/> a person acting on behalf of the individual licence holder in accordance with a power of attorney for the individual. A copy of the power of attorney must be submitted with the Annual Return.
a company	<input type="checkbox"/> by two directors, or <input type="checkbox"/> by a director and a company secretary, or <input type="checkbox"/> if a proprietary company that has a sole director who is also the sole company secretary - by that director, or <input checked="" type="checkbox"/> by a person delegated to sign a copy of the Annual Return on the company's behalf in accordance with the Corporations Act 2001. Delegation of authority must be submitted with the Annual Return, or. <input type="checkbox"/> by affixing the common seal, in accordance with the Corporations Act 2001
a public authority other than a Council	<input type="checkbox"/> by the Chief Executive Officer of the public authority, or <input type="checkbox"/> by a person delegated to sign on the public authority's behalf in accordance with its legislation.
a local Council	<input type="checkbox"/> by the General Manager in accordance with s377 of the Local Government Act 1993, or <input type="checkbox"/> by affixing the seal of the Council in a manner authorised under the Local Government Act 1993.

It is an offence to supply any information in this form that is false or misleading in a material respect, or to certify a statement that is false or misleading in a material respect. There is a maximum penalty of \$250,000 for a corporation or \$120,000 for an individual.

I/We

- declare that the information in the Monitoring and Complaints Summary in section B of this Annual Return is correct and not false or misleading in a material respect, and
- certify that the information in the Statement of Compliance in sections A, C, D, E, F and G and any pages attached to Section C is correct and not false or misleading in a material respect.

If your licence has been transferred, suspended, surrendered or revoked by the EPA during this reporting period, cross out the dates below and specify the new dates to which this Annual Return relates below:

For the reporting period 01-Mar-2016 to 28-Feb-2017 or ____/____/____ to ____/____/____

SIGNATURE: _____

NAME: _____
(printed) PETER MCCLUSKEY

POSITION: DEED ADMINISTRATOR
PASMINCO COCKLE CREEK
SMELTER PTY LTD (DECA)

DATE: 26 / 4 / 2017

SIGNATURE: _____

NAME: _____
(printed) _____

POSITION: _____

DATE: ____/____/____

SEAL(if signing under seal)

PLEASE ENSURE THAT ALL APPROPRIATE BOXES HAVE BEEN COMPLETED AND THAT THE CHECKLIST ON PAGE 2 OF THE ANNUAL RETURN HAS BEEN COMPLETED