Sent by registered post 28/4/15

Annual Return

PASMINCO COCKLE CREEK SMELTER PTY LIMITED

NSW EPA

ANNUAL RETURN

LICENCE NO	5042
LICENCE HOLDER	PASMINCO COCKLE CREEK SMELTER PTY LIMITED
REPORTING PERIOD	01-Mar-2014 to 28-Feb-2015

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 E)

THIS ANNUAL RETURN MUST BE RECEIVED BY THE EPA BEFORE 30-Apr-2015

Your Annual Return must be completed, including certification in Section E, 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

NSW EPA

Use the checklist below to ensure that you have completed your Annual Return correctly.
(✓ the boxes)

CHECKLIST		
☐	Section A:	All licence details are correct
☐	Section B1:	You have entered the correct number in the complaints table
☐	Section B2 – B3:	If there are tables, you have provided the required details
☐	Section C:	You have answered question 1, and 2 if applicable
☐	Section D:	If applicable, you have completed all load calculation worksheets
☐	Section E:	You have answered question 1, 2, 3, 4, 5 and 6 if applicable
☐	Section F:	You have answered question 1, 2 and 3 if applicable
☐	Section G:	The Annual Return has been signed by appropriate person(s) and, if applicable, the revised reporting period entered
☐	Make a copy of the completed Annual Return and keep it with your licence records	
☐	Attach a cheque (unless you have paid separately) for the payment of the administrative fee for the next licence fee period	

Please send your completed Annual Return by **Registered Post** to:

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Environment Protection Authority
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Annual Return

PASMINCO COCKLE CREEK SMELTER PTY LIMITED

NSW EPA

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)
Waste Storage

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		annual capacity
Waste storage - hazardous, restricted solid, liqui	> 0.00	T stored

A6 Assessable Pollutants (Not Applicable)

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	1
Water	Nil
Noise	Nil
Waste	Nil
Other	Nil

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).

Discharge & Monitoring Point 18

Discharge to waters
Effluent quality monitoring, Licensed Discharge and Monitoring Point 18. From Effluent Treatment Plant as shown on drawing titled "Water Monitoring Locations Pasminco Cockle Creek Remediation Site", prepared by RCA Australia, dated 8/1/2013 and attached to EPA file LIC07/838-06.

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	milligrams per litre	239	239	0.0005	0.000705	0.01
Cadmium	milligrams per litre	239	239	0.00005	0.000341	0.0085
Lead	milligrams per litre	239	239	0.0005	0.002916	0.027
Mercury	milligrams per litre	239	239	0.00005	0.00005	0.00005
pH	pH	239	239	5.38	8.76	9.80
Selenium	milligrams per litre	239	239	0.005	0.006213	0.02
Total suspended solids	milligrams per litre	239	239	2.5	12.24	46
Zinc	milligrams per litre	239	239	0.0025	0.098573	2.37

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

Monitoring Point 19

Stormwater discharge quality monitoring, Licensed Monitoring Point 19 as shown on drawing titled "Water Monitoring Locations Pasminco Cockle Creek Remediation Site", prepared by RCA Australia, dated 6/1/2013 and attached to EPA file LIC07/838-06.

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	milligrams per litre	Nil - no stormwater discharge during 2014 licence period				
Cadmium	milligrams per litre					
Lead	milligrams per litre					
Mercury	milligrams per litre					
Selenium	milligrams per litre					

Total suspended solids	milligrams per litre					
Zinc	milligrams per litre					

Monitoring Point 21

Groundwater quality monitoring, Licensed Monitoring Point 21 as shown on drawing titled "Water Monitoring Locations Pasminco Cockle Creek Remediation Site", prepared by RCA Australia, dated 8/1/2013 and attached to EPA file LIC07/838-06.

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
Ammonia	milligrams per litre	2	2	0.04	0.07	0.10
Bicarbonate Alkalinity as CaCO3	milligrams per litre	2	2	34	36	38
Cadmium	milligrams per litre	2	3	<0.0001	<0.0001	<0.0001
Calcium	milligrams per litre	2	2	2	2	2
Chloride	milligrams per litre	2	2	209	212	215
Conductivity	microsiemens per centimetre	2	3	793	889	1014
Fluoride	milligrams per litre	2	2	0.3	0.3	0.3
Lead	milligrams per litre	2	3	<0.001	0.001*	0.001
Magnesium	milligrams per litre	2	2	4	4	4
Oxidation Reduction Potential ^	millivolts	2	3	55	120	196
pH	pH	2	3	4.70	5.02	5.34

Notes: ^ Oxidation Reduction Potential taken as Eh, computer to Er from field data by Eh = Er + 198 (mV).
* Where one result is below limit of reporting (LOR), the LOR has been conservatively adopted in the calculation of the mean.

Potassium	milligrams per litre	2	2	2	2	2
Sodium	milligrams per litre	2	2	173	183.5	194
Sulfate as SO4	milligrams per litre	2	2	112	119	126
Total dissolved solids	milligrams per litre	2	3	515	578	659
Zinc	milligrams per litre	2	3	0.066	0.297	0.484

Monitoring Point 27

Groundwater quality monitoring, Licensed Monitoring Point 27 as shown on drawing titled "Water Monitoring Locations Pasminco Cockle Creek Remediation Site", prepared by RCA Australia, dated 8/1/2013 and attached to EPA file LIC07/838-06.

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
Ammonia	milligrams per litre	2	2	0.03	0.04	0.05
Bicarbonate Alkalinity as CaCO3	milligrams per litre	2	2	116	123	130
Cadmium	milligrams per litre	2	2	0.0068	0.0185	0.0302
Calcium	milligrams per litre	2	2	12	13.5	15
Chloride	milligrams per litre	2	2	66	67.5	69
Conductivity	microsiemens per centimetre	2	2	570	632	694
Fluoride	milligrams per litre	2	2	1.4	2.1	2.8
Lead	milligrams per litre	2	2	<0.001	<0.001	<0.001

Magnesium	milligrams per litre	2	2	15	17.5	20
Oxidation Reduction Potential ^	millivolts	2	2	257	267	276
pH	pH	2	2	5.97	5.975	5.98
Potassium	milligrams per litre	2	2	4	4.5	5
Sodium	milligrams per litre	2	2	102	108.5	115
Sulfate as SO4	milligrams per litre	2	2	111	124.5	138
Total dissolved solids	milligrams per litre	2	2	371	411	451
Zinc	milligrams per litre	2	2	0.324	0.732	1.140

Notes: ^ Oxidation Reduction Potential taken as Eh, converted to Eh from field data by Eh = Er + 199 (mV).

Monitoring Point 34

Deposition monitoring, Licensed Monitoring Point 34 as shown on drawing titled "Amended Air Monitoring Network Pasminco Cockle Creek Remediation Site", prepared by RCA Australia, dated 8/1/2013 and attached to EPA file LIC07/838-06.

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	0.0006	0.0006
Particulates - Deposited Matter	grams per square metre per month	12	11	0.04	0.40	1.40

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

Monitoring Point 37

Deposition monitoring, Licensed Monitoring Point 37 as shown on drawing titled "Amended Air Monitoring Network Pasminco Cockle Creek Remediation Site", prepared by RCA Australia, dated 8/1/2013 and attached to EPA file LIC07/838-06.

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	0.05	0.57	2.80

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, Licensed Monitoring Point 39 as shown on drawing titled "Amended Air Monitoring Network Pasminco Cockle Creek Remediation Site", prepared by RCA Australia, dated 8/1/2013 and attached to EPA file LIC07/838-06.

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	61	61	0.0002	0.0015	0.0058
Cadmium	micrograms per cubic metre	61	61	0.0002	0.0002	0.0008
Lead	micrograms per cubic metre	61	61	0.0016	0.0093	0.0331
Mercury	micrograms per cubic metre	61	61	0.0002	0.0002	0.0002
PM10	micrograms per cubic metre	365	358	0.0	14.5	59.3
Selenium	micrograms per cubic metre	61	61	0.0012	0.0013	0.0030
Total Solid Particles	micrograms per cubic metre	61	61	10.0	42.3	115.0
Zinc	micrograms per cubic metre	61	61	0.0174	0.0428	0.0929

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, Licensed Monitoring Point 40 as shown on drawing titled "Amended Air

Monitoring Network Pasminco Cockle Creek Remediation Site", prepared by RCA Australia, dated 8/1/2013 and attached to EPA file LIC07/838-06.

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	0.0024
Particulates - Deposited Matter	grams per square metre per month	12	12	0.03	0.48	2.90

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, Licensed Monitoring Point 41 as shown on drawing titled "Amended Air Monitoring Network Pasminco Cockle Creek Remediation Site", prepared by RCA Australia, dated 8/1/2013 and attached to EPA file LIC07/838-06.

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	0.0009	0.0023
Particulates - Deposited Matter	grams per square metre per month	12	11	0.10	0.47	1.50

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, Licensed Monitoring Point 42 as shown on drawing titled "Amended Air Monitoring Network Pasminco Cockle Creek Remediation Site", prepared by RCA Australia, dated 8/1/2013 and attached to EPA file LIC07/838-06.

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	0.0007	0.0017
Particulates - Deposited Matter	grams per square metre per month	12	12	0.02	0.43	1.80

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, Licensed Monitoring Point 43 as shown on drawing titled "Amended Air Monitoring

Network Pasminco Cockle Creek Remediation Site", prepared by RCA Australia, dated 8/1/2013 and attached to EPA file LIC07/838-06.

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	61	61	0.0002	0.0015	0.0079
Cadmium	micrograms per cubic metre	61	61	0.0002	0.0006	0.0124
Lead	micrograms per cubic metre	61	61	0.0018	0.0155	0.1654
Mercury	micrograms per cubic metre	61	61	0.0002	0.0002	0.0002
PM10	micrograms per cubic metre	365	362	0.0	17.0	43.7
Selenium	micrograms per cubic metre	61	61	0.0012	0.0013	0.0030
Total Solid Particles	micrograms per cubic metre	61	61	12.0	43.3	120.0
Zinc	micrograms per cubic metre	61	61	0.0223	0.0493	0.1523

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

Monitoring Point 44

Stormwater quality monitoring, Licensed Monitoring Point 44 as shown on drawing titled "Water Monitoring Locations Pasminco Cockle Creek Remediation Site", prepared by RCA Australia, dated 8/1/2013 and attached to EPA file LIC07/838-06.

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	milligrams per litre	1	1	0.002	0.002	0.002
Cadmium	milligrams per litre	1	1	0.059	0.059	0.059
Lead	milligrams per litre	1	1	0.027	0.027	0.027

Mercury	milligrams per litre	1	1	<0.0001	0.00005	<0.0001
Selenium	milligrams per litre	1	1	<0.01	0.01	<0.01
Total suspended solids	milligrams per litre	1	0	Nil	Nil	Nil
Zinc	milligrams per litre	1	1	1.5	1.5	1.5

Notes: * Where one result is below limit of reporting (LOR), the LOR has been conservatively adopted in the calculation of the mean.

Monitoring Point 45

Groundwater monitoring, Licensed Monitoring Point 45 as shown on drawing titled "Water Monitoring Locations Pasminco Cockle Creek Remediation Site", prepared by RCA Australia, dated 8/1/2013 and attached to EPA file LIC07/838-06.
(Original groundwater well B21 was destroyed by site works. Replacement well BH58 installed May 2014)

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
Ammonia	milligrams per litre	2	2	0.02	0.03	0.04
Bicarbonate Alkalinity as CaCO3	milligrams per litre	2	2	13	28	43
Cadmium	milligrams per litre	2	3	0.664	0.805	1.020
Calcium	milligrams per litre	2	2	9	12.5	16
Chloride	milligrams per litre	2	2	542	593	644
Conductivity	microsiemens per centimetre	2	3	2700	3574	4039
Fluoride	milligrams per litre	2	2	0.5	0.75	1.0
Lead	milligrams per litre	2	2	<0.001	0.001*	0.001
Magnesium	milligrams per litre	2	2	69	84.5	100

Notes: * Where one result is below limit of reporting (LOR), the LOR has been conservatively adopted in the calculation of the mean.

Oxidation Reduction Potential ^	millivolts	2	3	305	359	461
pH	pH	2	3	5.15	5.55	5.92
Potassium	milligrams per litre	2	2	18	25	32
Sodium	milligrams per litre	2	2	496	588	680
Sulfate as SO4	milligrams per litre	2	2	679	860	1040
Total dissolved solids	milligrams per litre	2	3	1755	2323	2625
Zinc	milligrams per litre	2	3	0.247	0.369	0.552

Notes: ^ Oxidation Reduction Potential taken as Eh, converted to Eh from field data by Eh = Er + 199 (mV).

Monitoring Point 46

Groundwater monitoring, Licensed Monitoring Point 46 as shown on drawing titled "Water Monitoring Locations Pasminco Cockle Creek Remediation Site", prepared by RCA Australia, dated 8/1/2013 and attached to EPA file LIC07/838-06.

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
Ammonia	milligrams per litre	2	2	0.04	0.045	0.05
Bicarbonate Alkalinity as CaCO3	milligrams per litre	2	2	8	15.5	23
Cadmium	milligrams per litre	2	2	0.0270	0.0606	0.0942
Calcium	milligrams per litre	2	2	13	14.5	16
Chloride	milligrams per litre	2	2	9	32.5	56
Conductivity	microsiemens per centimetre	2	2	399	489	579

Fluoride	milligrams per litre	2	2	0.5	2.0	3.5
Lead	milligrams per litre	2	2	0.011	0.024	0.037
Magnesium	milligrams per litre	2	2	2	4.5	7
Oxidation Reduction Potential ^	millivolts	2	2	346	374	401
pH	pH	2	2	5.76	6.37	6.98
Potassium	milligrams per litre	2	2	4	7	10
Sodium	milligrams per litre	2	2	8	33	58
Sulfate as SO4	milligrams per litre	2	2	26	70.5	115
Total dissolved solids	milligrams per litre	2	2	259	318	376
Zinc	milligrams per litre	2	2	0.769	0.8245	0.880

Notes: ^ Oxidation Reduction Potential taken as Eh, converted to Eh from field data by Eh = Er + 199 (mV).

Monitoring Point 47

Groundwater quality monitoring, Licensed Monitoring Point 47 as shown on drawing titled "Water Monitoring Locations Pasminco Cockle Creek Remediation Site", prepared by RCA Australia, dated 8/1/2013 and attached to EPA file LIC07/838-06.

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
Ammonia	milligrams per litre	No Sample Obtained - See non-compliance notes				
Bicarbonate	milligrams per litre					
Cadmium	milligrams per litre					

Calcium	milligrams per litre					
Chloride	milligrams per litre					
Conductivity	microsiemens per centimetre					
Fluoride	milligrams per litre					
Lead	milligrams per litre					
Magnesium	milligrams per litre					
Oxidation Reduction Potential	millivolts					
pH	pH					
Potassium	milligrams per litre					
Sodium	milligrams per litre					
Sulfate	milligrams per litre					
Total dissolved solids	milligrams per litre					
Zinc	milligrams per litre					

Monitoring Point 48

Groundwater quality monitoring, Licensed Monitoring Point 48 as shown on drawing titled "Water Monitoring Locations Pasminco Cockle Creek Remediation Site", prepared by RCA Australia, dated 8/1/2013 and attached to EPA file LIC07/838-06.

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

Ammonia	milligrams per litre	2	2	0.06	0.07	0.08
Bicarbonate Alkalinity as CaCO3	milligrams per litre	2	2	2	3	4
Cadmium	milligrams per litre	2	2	0.0016	0.00175	0.0019
Calcium	milligrams per litre	2	2	5	5.5	6
Chloride	milligrams per litre	2	2	180	198.5	217
Conductivity	microsiemens per centimetre	2	2	1220	1316	1412
Fluoride	milligrams per litre	2	2	0.9	0.9	0.9
Lead	milligrams per litre	2	2	0.017	0.0185	0.020
Magnesium	milligrams per litre	2	2	14	15.5	17
Oxidation Reduction Potential ^	millivolts	2	2	399	414	430
pH	pH	2	2	4.63	4.63	4.63
Potassium	milligrams per litre	2	2	4	4.5	5
Sodium	milligrams per litre	2	2	234	244.5	255
Sulfate as SO4	milligrams per litre	2	2	337	349	361
Total dissolved solids	milligrams per litre	2	2	793	855	918
Zinc	milligrams per litre	2	2	0.152	0.1585	0.165

Notes: ^ Oxidation Reduction Potential taken as Eh, converted to Eh from field data by Eh = Er + 199 (mV).

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PASMINCO COCKLE CREEK SMELTER PTY LIMITED

NSW EPA

Monitoring Point 49

Groundwater quality monitoring, Licensed Monitoring Point 49 as shown on drawing titled "Water Monitoring Locations Pasminco Cockle Creek Remediation Site", prepared by RCA Australia, dated 8/1/2013 and attached to EPA file LIC07/838-06.

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
Ammonia	milligrams per litre	2	2	0.04	0.06	0.08
Bicarbonate Alkalinity as CaCO3	milligrams per litre	2	2	81	93.5	106
Cadmium	milligrams per litre	2	2	0.0014	0.0052	0.0090
Calcium	milligrams per litre	2	2	139	145	151
Chloride	milligrams per litre	2	2	1210	1225	1240
Conductivity	microsiemens per centimetre	2	2	6461	7655	8849
Fluoride	milligrams per litre	2	2	0.5	0.5	0.5
Lead	milligrams per litre	2	2	<0.001	0.0045*	0.008
Magnesium	milligrams per litre	2	2	202	231	260
Oxidation Reduction Potential ^	millivolts	2	2	243	263	283
pH	pH	2	2	5.91	6.22	6.52
Potassium	milligrams per litre	2	2	16	21	26
Sodium	milligrams per litre	2	2	1240	1400	1560

Notes: ^ Oxidation Reduction Potential taken as Eh, computer to Er from field data by Eh = Er + 199 (mV).
* Where one result is below limit of reporting (LOR), the LOR has been conservatively adopted in the calculation of the mean.

Sulfate as SO4	milligrams per litre	2	2	2370	2480	2590
Total dissolved solids	milligrams per litre	2	2	4200	4976	5752
Zinc	milligrams per litre	2	2	0.034	0.312	0.590

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 18

Discharge to waters
Effluent quality monitoring

Unit of measure	Frequency	No. of measurements made	Lowest result	Mean result	High result
kilolitres per day	Daily	239	97	368	747

Annual Return

PASMINCO COCKLE CREEK SMELTER PTY LIMITED

NSW EPA

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 registrati on 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? 9

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

C2 Details of Non-Compliance with Licence

Licence condition number not complied with
M2.2
Summary of particulars of the non-compliance (NO MORE THAN 50 WORDS)
Monitoring Point 34 12 samples required, only 11 samples collected
If required, further details on particulars of non-compliance
NA
Date(s) when the non-compliance occurred, if applicable
August 2014
If relevant, precise location where the non-compliance occurred (attach a map or diagram)
Monitoring Point 34
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
Dust gauge was inaccessible due to wet weather conditions. Road was not safe to travel along.
Action taken or that will be taken to mitigate any adverse effects of the non-compliance
Nil
Action taken or that will be taken to prevent a recurrence of the non-compliance
No action taken, gauge collected during following month.

C2 Details of Non-Compliance with Licence

Licence condition number not complied with
M2.2
Summary of particulars of the non-compliance **(NO MORE THAN 50 WORDS)**
Monitoring Point 39 **Continuous sampling required, however sampling did not occur on 7 days throughout the year due to equipment malfunction.**
If required, further details on particulars of non-compliance
NA
Date(s) when the non-compliance occurred, if applicable
March 19, 21, 23-26; and January 2, 2015
If relevant, precise location where the non-compliance occurred (attach a map or diagram)
Monitoring Point 39
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
Action taken or that will be taken to mitigate any adverse effects of the non-compliance
Internal and external filters replaced
Action taken or that will be taken to prevent a recurrence of the non-compliance
Regular filter changes and programmed maintenance.

C2 Details of Non-Compliance with Licence

Licence condition number not complied with
M2.2
Summary of particulars of the non-compliance **(NO MORE THAN 50 WORDS)**
Monitoring Point 41 12 samples required, only 11 samples collected
If required, further details on particulars of non-compliance
NA
Date(s) when the non-compliance occurred, if applicable
August 2014
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
Dust gauge was inaccessible due to wet weather conditions. Road was not safe to travel along.
Action taken or that will be taken to mitigate any adverse effects of the non-compliance
Nil
Action taken or that will be taken to prevent a recurrence of the non-compliance
No action taken, gauge collected during following month.

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C2 Details of Non-Compliance with Licence

Licence condition number not complied with
M2.2.
Summary of particulars of the non-compliance (NO MORE THAN 50 WORDS)
Monitoring Point 43 Continuous sampling required, however sampling did not occur on 3 days throughout the year due to equipment malfunction.
If required, further details on particulars of non-compliance
NA
Date(s) when the non-compliance occurred, if applicable
January 7; February 10 & 11, 2015
If relevant, precise location where the non-compliance occurred (attach a map or diagram)
Monitoring Point 43
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
Action taken or that will be taken to mitigate any adverse effects of the non-compliance
Internal and external filters replaced
Action taken or that will be taken to prevent a recurrence of the non-compliance
Regular filter changes and programmed maintenance.

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C2 Details of Non-Compliance with Licence

Licence condition number not complied with
M.2.3
Summary of particulars of the non-compliance (NO MORE THAN 50 WORDS)
Monitoring Point 47 could not be sampled because the well was blocked.
If required, further details on particulars of non-compliance
NA
Date(s) when the non-compliance occurred, if applicable
24 June 2014 & 12 December 2014
If relevant, precise location where the non-compliance occurred (attach a map or diagram)
Monitoring Point 47 presented as 'CO2'
If applicable, registration numbers of any vehicles or the chassis number of any mobile plant involved in the non-compliance
Cause of non-compliance
Monitoring Point 47 was blocked at 2.67m in June and at 2.90m in December 2014.
Action taken or that will be taken to mitigate any adverse effects of the non-compliance
Monitoring reports by Golder Associates indicates groundwater samples from EPL Point 47 may not be representative of actual aquifer conditions.
Action taken or that will be taken to prevent a recurrence of the non-compliance
Monitoring Point 47 may not be involved in the long-term monitoring network in the groundwater monitoring and management plan. Well is to be decommissioned.

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C2 Details of Non-Compliance with Licence

Licence condition number not complied with
E10.1
Summary of particulars of the non-compliance (NO MORE THAN 50 WORDS)
Point 44 - sample 3/03/14 did not include analysis of Total Suspended Solids
If required, further details on particulars of non-compliance
Chain of Custody - Laboratory Request sheet did not have box ticked
Date(s) when the non-compliance occurred, if applicable
3rd March 2014
If relevant, precise location where the non-compliance occurred (attach a map or diagram)
EPL Point 44
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
Human error on Chain of Custody documentation
Action taken or that will be taken to mitigate any adverse effects of the non-compliance
Additional review of Chain of Custody documentation prior to submission
Action taken or that will be taken to prevent a recurrence of the non-compliance
Additional review by supervisor in sample collection / submission process.

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C2 Details of Non-Compliance with Licence

Licence condition number not complied with
L3.4
Summary of particulars of the non-compliance (NO MORE THAN 50 WORDS)
Zinc levels exceeded the 100 percentile concentration limit at EPL Point 18
If required, further details on particulars of non-compliance
11 days during March 2014 and 1 day during June 2014
Date(s) when the non-compliance occurred, if applicable
Refer following attachement
If relevant, precise location where the non-compliance occurred (attach a map or diagram)
Point 18 - Water Treatment Plant
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
pH probe / lime dosing level
Action taken or that will be taken to mitigate any adverse effects of the non-compliance
Review of treatment process data and measuring probes
Action taken or that will be taken to prevent a recurrence of the non-compliance
Corrective action taken by water treatment plant operator - probe replacement

Day & Date	Zn
Friday, 28 February 2014	0.603
Saturday, 1 March 2014	1.68
Sunday, 2 March 2014	0.958
Monday, 3 March 2014	1
Tuesday, 4 March 2014	0.392
Wednesday, 5 March 2014	0.358
Thursday, 6 March 2014	0.717
Friday, 7 March 2014	0.35
Saturday, 8 March 2014	0.023
Sunday, 9 March 2014	0.026
Monday, 10 March 2014	0.035
Tuesday, 11 March 2014	0.0025
Wednesday, 12 March 2014	0.138
Thursday, 13 March 2014	0.211
Friday, 14 March 2014	0.435
Saturday, 15 March 2014	1.13
Sunday, 16 March 2014	0.968
Monday, 17 March 2014	0.512
Tuesday, 18 March 2014	0.394
Wednesday, 19 March 2014	0.413
Thursday, 20 March 2014	0.142
Friday, 21 March 2014	0.563
Saturday, 22 March 2014	0.04
Sunday, 23 March 2014	0.01
Monday, 24 March 2014	0.022
Tuesday, 25 March 2014	0.0025
Wednesday, 26 March 2014	0.102
Thursday, 27 March 2014	0.006
Friday, 28 March 2014	0.008
Saturday, 29 March 2014	0.024
Sunday, 30 March 2014	0.006
Monday, 31 March 2014	0.0025

Work Order ES1404583
Client PASMINCO COCKLE CREEK SMELTER
Project —

Analytical Results

Sub-Matrix: WATER (Matrix: WATER)				Client sample ID	CELL 2	FW DAM	SW DAM	E DAM	B DAM
				Client sampling date / time	03-MAR-2014 11:16	03-MAR-2014 10:15	03-MAR-2014 10:50	03-MAR-2014 09:30	03-MAR-2014 09:40
Compound	CAS Number	LOR	Unit		ES1404583-006	ES1404583-007	ES1404583-008	ES1404583-009	ES1404583-010
EG020F: Dissolved Metals by ICP-MS									
Arsenic	7440-38-2	0.001	mg/L		0.053	0.002	0.001	0.002	<0.001
Cadmium	7440-43-9	0.0001	mg/L		2.17	0.0016	0.0302	0.0590	0.0002
Lead	7439-92-1	0.001	mg/L		2.43	0.003	0.023	0.027	<0.001
Selenium	7782-49-2	0.01	mg/L		0.13	<0.01	<0.01	<0.01	<0.01
Zinc	7440-66-6	0.005	mg/L		4.20	0.106	0.500	1.50	0.015
EG035F: Dissolved Mercury by FIMS									
Mercury	7439-97-6	0.0001	mg/L		0.0003	<0.0001	<0.0001	<0.0001	<0.0001

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)

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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?

(✓ 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: 3 March 2014

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:

6 How many times has the PIRMP been activated in this reporting period? 1

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

The PIRMP was activated on: 3 March 2014

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

http://www.epa.nsw.gov.au/legislation/20120227eqpreppirmp.htm

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/20120263regpubpmdata.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.

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NSW EPA

G 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:
an individual	☐	by the individual licence holder, or
	☐	by a person approved in writing by the EPA to sign on the licence holder's behalf
a company	☐	by affixing the common seal in accordance with Corporations Act 2001, or
	☐	by 2 directors, or
	☐	by a director and a company secretary, or
	☐	if a proprietary company that has a sole director who is also the sole company secretary – by that director, or
	☒	by a person delegated to sign on the company's behalf in accordance with the Corporations Act 2001 and approved in writing by the EPA to sign on the company's behalf.
a public authority (other than a council)	☐	by the Chief Executive Officer of the public authority, or
	☐	by a person delegated to sign on the public authority's behalf in accordance with its legislation and approved in writing by the EPA to sign on the public authority's behalf.
a local council	☐	by the General Manager in accordance with s.377 of the Local Government Act 1993, or
	☐	by affixing the seal of the council in a manner authorised under that Act.

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 and F 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-2014 to 28-Feb-2015 or ___/___/___ to ___/___/___

SIGNATURE: _____ SIGNATURE: _____

NAME: (printed) JOHN LINDHOLM NAME: (printed) _____

POSITION: **Deed Administrator PCCS** POSITION: _____

DATE: 28 / 04 / 2015 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