



Bluescope Steel (AIS) Pty Ltd
ABN 19 000 019625
Port Kembla Steelworks
Five Islands Road
Port Kembla 2505
PO Box 1854
Wollongong NSW 2500

BLUESCOPE STEEL (AIS) PTY. LTD.
Port Kembla Steelworks
Licence 6092

[Link to Environment Protection Licence EPL6092](#)

LICENCE MONITORING DATA
MONTHLY SUMMARY REPORT

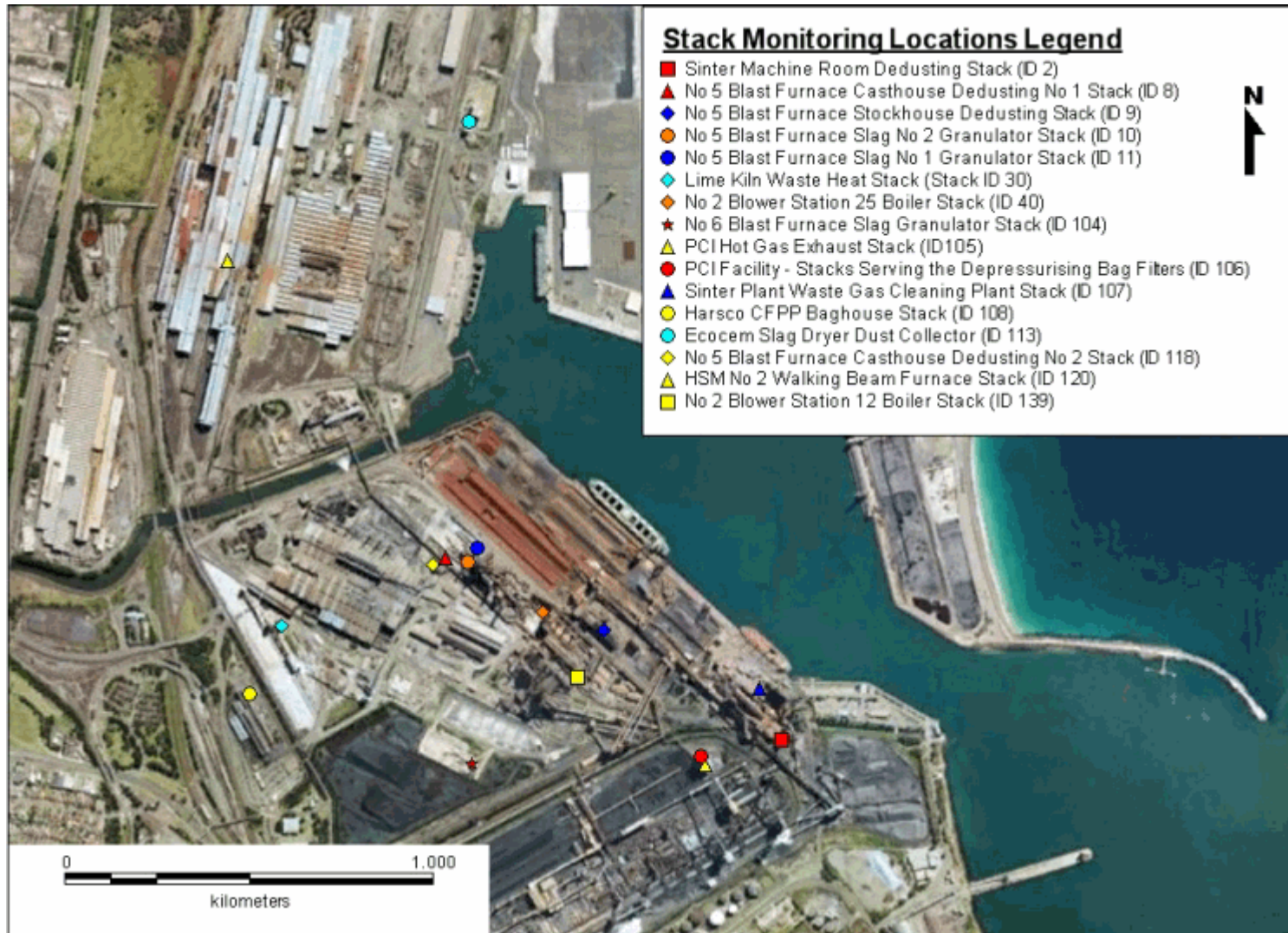
for

1 Jan 2018 to 31 Jan 2018

Monthly (January 2018) Report Published: 5, April, 2018

Stack Air Monitoring Requirements

EPL6092 Conditions L2.4/M2.2/M2.3/M8.2/E1.4





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Point 113:

Pollutant	Units of Measure	Monitoring frequency required by licence	No. of times measured during month	Min. Value	Max Value	100 Percentile Limit	Exceedance (yes / no) *
Nitrogen Oxides (18% Oxygen correction)	Milligrams per cubic metre	Yearly	3	21	21		no
Comment:							



Point 2:

Pollutant	Units of Measure	Monitoring frequency required by licence	No. of times measured during month	Min. Value	Mean Value	Median Value	Max Value
Opacity	%	Continuous	Continuous	0	2.7	2.8	7.3
Comment: Elevated results associated with plant startup and shutdown							

Point 107:

Pollutant	Units of Measure	Monitoring frequency required by licence	No. of times measured during month	Min. Value	Mean Value	Median Value	Max Value
Total Solid Particles	Milligrams per cubic metre	Continuous	Continuous	0.8	3.7	3	50
Comment: Elevated results associated with plant startup and shutdown							



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Ambient Air Monitoring Requirements

EPL6092 Condition M2.2/M2.3/O4.14,O4.15 (Cont.)



O4.14

Pollutant	Monitoring frequency required by licence	No of significant emissions measured during month	100 Percentile Limit	Exceedance (yes/no) *
Emission - KISH Tipping DER 5	Monthly	0	4	no
Comment:				

O4.15

Pollutant	Monitoring frequency required by licence	No of significant emissions measured during month	100 Percentile Limit	Exceedance (yes/no) *
Emission Torpedo Ladle > DER 4	Monthly	0	4	no
Comment:				



Point 141: Receiver 1 (located south of licensed site)

Pollutant	Units of Measure	Monitoring frequency required by licence	No. of times measured during month	Min. Value	Mean Value	Median Value	Max. Value
Fine Particulates	Micrograms per cubic metre	Continuous	Continuous	11.4	30.0	27.1	61.0
Benzene	Parts per billion	Every 6 days	5	0.017	0.0932	0.0920	0.18
Iron	Micrograms per cubic metre	Every 6 days	5	0.49	4.456	4.00	9.8
Lead	Micrograms per cubic metre	Every 6 days	5	<0.055	<0.055	0.03	<0.057
Particulates - Deposited Matter	Grams per square metre per month	Monthly	1	2.7	2.7	2.70	2.7
Polycyclic aromatic hydrocarbons	Nanograms per cubic metre	24 hour period every 6 days.	5	0.6	2.062	1.30	4.5
Total suspended particles	Micrograms per cubic metre	Every 6 days	5	86	114.8	92.00	180
Type 1 and Type 2 substances in aggregate	Micrograms per cubic metre	Quarterly	1	0.11	0.11	0.11	0.11
Zinc	Micrograms per cubic metre	Every 6 days	5	<0.11	0.111	0.06	0.24
Comment:							



Point 152: Receiver 2 (located north of licensed site)

Pollutant	Units of Measure	Monitoring frequency required by licence	No. of times measured during month	Min. Value	Mean Value	Median Value	Max. Value
Fine Particulates	Micrograms per cubic metre	Continuous	Continuous	12.2	24.4	23.3	46.7
Benzene	Parts per billion	Every 6 days	4	0.024	0.0615	0.0560	0.11
Iron	Micrograms per cubic metre	Every 6 days	4	1.1	3.65	3.50	6.5
Lead	Micrograms per cubic metre	Every 6 days	4	<0.056	<0.056	0.03	<0.057
Particulates - Deposited Matter	Grams per square metre per month	Monthly	1	2.4	2.4	2.40	2.4
Polycyclic aromatic hydrocarbons	Nanograms per cubic metre	24 hour period every 6 days.	4	0.61	0.807	0.71	1.2
Total suspended particles	Micrograms per cubic metre	Every 6 days	4	72	108	115.00	130
Type 1 and Type 2 substances in aggregate	Micrograms per cubic metre	Quarterly	1	1.4	1.4	1.4	1.4
Zinc	Micrograms per cubic metre	Every 6 days	4	<0.11	0.138	0.09	0.32
Comment: A power failure occurred at the monitoring station between 22/01/18 - 29/01/18							

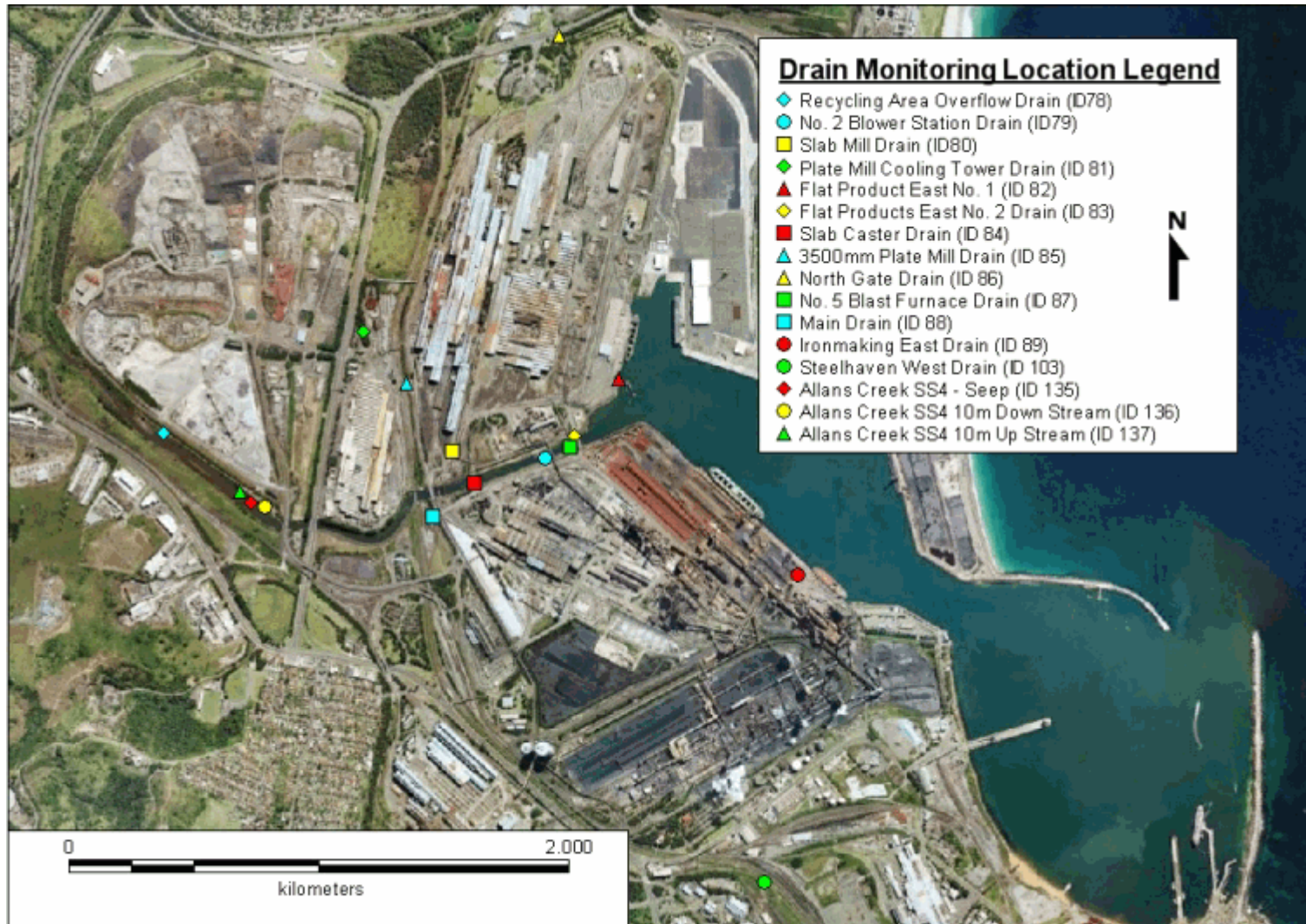


Point 153: Receiver 3 (located west of licensed site)

Pollutant	Units of Measure	Monitoring frequency required by licence	No. of times measured during month	Min. Value	Mean Value	Median Value	Max. Value
Iron	Micrograms per cubic metre	Every 6 days	5	0.63	1.024	0.85	1.6
Lead	Micrograms per cubic metre	Every 6 days	5	<0.056	<0.056	0.03	0.067
Total suspended particles	Micrograms per cubic metre	Every 6 days	5	56	77.6	77.00	110
Type 1 and Type 2 substances in aggregate	Micrograms per cubic metre	Quarterly	1	0.37	0.37	0.37	0.37
Zinc	Micrograms per cubic metre	Every 6 days	5	<0.11	0.116	0.06	0.36
Comment:							

Water and/or Land Monitoring Requirements

EPL6092 Condition M2.5/M2.6/M8.1/M8.3





Point 78:

Pollutant	Units of Measure	Monitoring frequency required by licence	No. of times measured during month	Min. Value	Mean Value	Median Value	Max. Value
pH		Daily during any discharge which is not due to Wet Weather Conditions	0				
Total Suspended Solids	Milligrams per litre	Daily during any discharge which is not due to Wet Weather Conditions	0				
Volume of Liquids Discharged	Kilolitres per day	Daily	Continuous	0	0	0.00	0
Comment:							



Point 79:

Pollutant	Units of Measure	Monitoring frequency required by licence	No. of times measured during month	Min. Value	Max Value	100 percentile Dry limit (Wet limit)	Exceedance (yes / no) *
Ammonia	Milligrams per litre	Every 8 days	4	<0.06	<0.06	5.0 (5.0)	no
Cyanide	Milligrams per litre	Every 8 days	4	<0.02	<0.02	0.30 (0.30)	no
Filtrable Iron	Milligrams per litre	Every 8 days	4	<0.01	0.017	0.3 (0.3)	no
Oil and Grease	Milligrams per litre	Every 8 days	4	<5	<5	20 (50)	no
pH		Every 8 days	4	8.1	8.2	6.5-9.0 (6.5-9.0)	no
Temperature	Degrees Celcius	Every 8 days	4	29	32	40 (40)	no
Total Iron	Milligrams per litre	Every 8 days	4	0.12	0.24	3 (50)	no
Total Suspended Solids	Milligrams per litre	Every 8 days	4	<3	16	50 (500)	no
Total Zinc	Milligrams per litre	Every 8 days	4	<0.05	<0.05	3 (3)	no
Volume of Liquids Discharged	Kilolitres per day	Daily	Continuous	558628	651810		
Comment:							

Point 80:

Pollutant	Units of Measure	Monitoring frequency required by licence	No. of times measured during month	Min. Value	Max Value	100 percentile Dry limit (Wet limit)	Exceedance (yes / no) *
Cyanide	Milligrams per litre	6/yr. Min 50 days apart.	1	<0.02	<0.02	0.20 (0.00)	no
pH		6/yr. Min 50 days apart.	1	7.4	7.4	6.5-9.0 (0.0-0.0)	no
Volume of Liquids Discharged	Kilolitres per day	Daily	Continuous	261	1757		
Comment:							



Point 82:

Pollutant	Units of Measure	Monitoring frequency required by licence	No. of times measured during month	Min. Value	Max Value	100 percentile Dry limit (Wet limit)	Exceedance (yes / no) *
Cyanide	Milligrams per litre	Quarterly grab sample . Min 80 days apart	1	<0.02	<0.02	0.30 (0.00)	no
Volume of Liquids Discharged	Kilolitres per day	Daily	Continuous	0	938		
Comment:							

Point 83:

Pollutant	Units of Measure	Monitoring frequency required by licence	No. of times measured during month	Min. Value	Max Value	100 percentile Dry limit (Wet limit)	Exceedance (yes / no) *
Cyanide	Milligrams per litre	Quarterly grab sample . Min 80 days apart	0			0.15 (0.00)	no
Volume of Liquids Discharged	Kilolitres per day	Daily	Continuous	0	200		
Comment:							



Point 85:

Pollutant	Units of Measure	Monitoring frequency required by licence	No. of times measured during month	Min. Value	Max Value	100 Percentile Limit	Exceedance (yes / no) *
Oil and Grease	Milligrams per litre	24/year. Min 15 days apart	2	<5	<5	20.0000	no
pH		24/year. Min 15 days apart	2	8.1	8.2	6.5-9.0	no
Temperature	Degrees Celcius	24/year. Min 15 days apart	2	25	27	35.00	no
Total Suspended Solids	Milligrams per litre	24/year. Min 15 days apart	2	10	18	50.00	no
Volume of Liquids Discharged	Kilolitres per day	Daily	Continuous	33944	35346		no
Comment:							



Point 87:

Pollutant	Units of Measure	Monitoring frequency required by licence	No. of times measured during month	Min. Value	Max Value	100 percentile Dry limit (Wet limit)	Exceedance (yes / no) *
Ammonia	Milligrams per litre	Every 8 days	4	<0.06	<0.06	10.0 (10.0)	no
Cyanide	Milligrams per litre	Every 8 days	4	<0.02	<0.02	0.30 (0.30)	no
Filtrable Iron	Milligrams per litre	Every 8 days	4	<0.01	<0.01	1.5 (1.5)	no
Lead	Milligrams per litre	Every 8 days	4	<0.02	<0.02	0.5 (0.5)	no
Mercury	Micrograms per litre	Every 8 days	4	<0.5	<0.5	1.5 (1.5)	no
pH		Every 8 days	4	8.2	8.2	6.5-11.0 (6.5-11.0)	no
Temperature	Degrees Celcius	Every 8 days	4	23	24	40 (40)	no
Total Iron	Milligrams per litre	Every 8 days	4	0.08	0.35	7 (100)	no
Total Suspended Solids	Milligrams per litre	Every 8 days	4	3	16	70 (500)	no
Volume of Liquids Discharged	Kilolitres per day	Daily	Continuous	1748	2014		
Comment:							



Point 88:

Pollutant	Units of Measure	Monitoring frequency required by licence	No. of times measured during month	Min. Value	Max Value	100 percentile Dry limit (Wet limit)	Exceedance (yes / no) *
Ammonia	Milligrams per litre	Every 8 days	2	<0.06	<0.06	7.5 (7.5)	no
Cyanide	Milligrams per litre	Every 8 days	2	<0.02	<0.02	0.30 (0.30)	no
Oil and Grease	Milligrams per litre	Every 8 days	2	<5	<5	20 (50)	no
pH		Every 8 days	2	8.1	8.2	6.5-9.0 (6.5-9.0)	no
Phenol	Milligrams per litre	Every 8 days	1	<0.2	<0.2	0.45 (0.45)	no
Temperature	Degrees Celcius	Every 8 days	2	24	25	40 (40)	no
Total Suspended Solids	Milligrams per litre	Every 8 days	2	14	15	100 (200)	no
Total Zinc	Milligrams per litre	Every 8 days	2	<0.05	<0.05	3 (3)	no
Volume of Liquids Discharged	Kilolitres per day	Daily	Continuous	26587	32949		

Comment:



Point 89:

Pollutant	Units of Measure	Monitoring frequency required by licence	No. of times measured during month	Min. Value	Max Value	100 percentile Dry limit (Wet limit)	Exceedance (yes / no) *
Ammonia	Milligrams per litre	Every 8 days	0			7.0 (7.0)	no
Copper	Milligrams per litre	Every 8 days	0			1.000	no
Cyanide	Milligrams per litre	Every 8 days	0			0.20 (0.20)	no
Filtrable Iron	Milligrams per litre	Every 8 days	0			0.5 (0.5)	no
Fluoride	Milligrams per litre	Every 8 days	0			50 (50)	no
pH		Every 8 days	0			6.5-9.0 (6.5-9.0)	no
Temperature	Degrees Celcius	Every 8 days	0			45 (45)	no
Total Iron	Milligrams per litre	Every 8 days	0			7 (20)	no
Total Suspended Solids	Milligrams per litre	Every 8 days	0			100 (200)	no
Total Zinc	Milligrams per litre	Every 8 days	0			3 (3)	no
Volume of Liquids Discharged	Kilolitres per day	Daily	Continuous	0	0		
Comment:							



Point 135:

Pollutant	Units of Measure	Monitoring frequency required by licence	No. of times measured during month	Min. Value	Mean Value	Median Value	Max. Value
Ammonia	Milligrams per litre	1 sample in Licence. Q1. 1 sample in Q3. 1 sample following a rainfall event of more than 10mm in a 24 hour period.	1	<0.06	<0.06	0.0300	<0.06
pH		1 sample in Licence. Q1. 1 sample in Q3. 1 sample following a rainfall event of more than 10mm in a 24 hour period.	1	8.1	8.1	8.10	8.1
Temperature	Degrees Celcius	1 sample in Licence. Q1. 1 sample in Q3. 1 sample following a rainfall event of more than 10mm in a 24 hour period.	1	31	31	31.00	31
Comment:							