



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

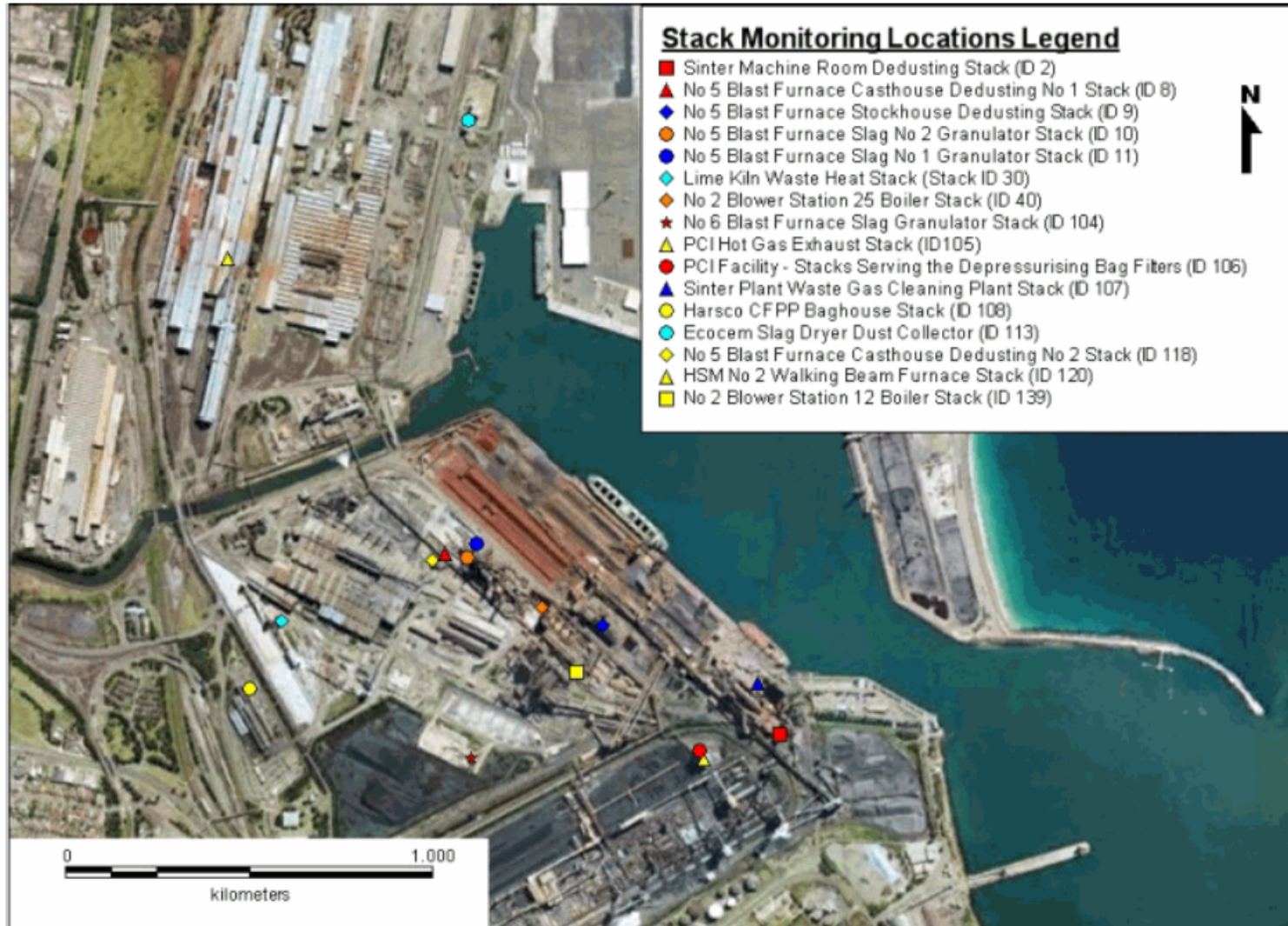
for

1 Apr 2018 to 30 Apr 2018

Monthly (April 2018) Report Published: 16, July, 2018

Stack Air Monitoring Requirements

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





Point 138:

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) *
Dry Gas Density	Kilograms per cubic metre	Every 2 years	8	1.32	1.33		no
Moisture	Percent	Every 2 years	8	13	13		no
Molecular Weight of stack gases	grams per gram mole	Every 2 years	8	29.6	29.8		no
Nitrogen Oxides (3% Oxygen correction)	Milligrams per cubic metre	Every 2 years	4	61	65	200.00	no
Oxygen (O2)	Percent	Every 2 years	4	8.5	9.3		no
Temperature	Degrees Celcius	Every 2 years	8	141	142		no
Velocity	Metres per second	Every 2 years	8	5.2	5.7		no
Volumetric flowrate	Cubic metres per second	Every 2 years	8	8.5	9.3		no
Comment:							



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Ambient Air Monitoring Requirements

EPL6092 Condition M2.2/M2.3/O4.13,O4.14 (Cont.)



O4.13

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:				

O4.14

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	1	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	7.1	23.5	18.9	68.5
Benzene	Parts per billion	Every 6 days	5	<0.01	0.0506	0.0190	0.18
Iron	Micrograms per cubic metre	Every 6 days	5	0.35	1.102	1.10	1.9
Lead	Micrograms per cubic metre	Every 6 days	5	<0.055	<0.055	0.03	<0.056
Particulates - Deposited Matter	Grams per square metre per month	Monthly	1	1.4	1.4	1.40	1.4
Polycyclic aromatic hydrocarbons	Nanograms per cubic metre	24 hour period every 6 days.	5	0.6	1.93	0.62	7.2
Total suspended particles	Micrograms per cubic metre	Every 6 days	5	29	45	44.00	67
Type 1 and Type 2 substances in aggregate	Micrograms per cubic metre	Quarterly	1	0.072	0.072	0.07	0.072
Zinc	Micrograms per cubic metre	Every 6 days	5	<0.11	<0.11	0.06	<0.11
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	8.8	25.0	22.8	46.2
Benzene	Parts per billion	Every 6 days	5	<0.01	0.036	0.0370	0.069
Iron	Micrograms per cubic metre	Every 6 days	5	2.1	4.04	2.50	6.9
Lead	Micrograms per cubic metre	Every 6 days	5	<0.055	<0.055	0.03	<0.056
Particulates - Deposited Matter	Grams per square metre per month	Monthly	1	1.3	1.3	1.30	1.3
Polycyclic aromatic hydrocarbons	Nanograms per cubic metre	24 hour period every 6 days.	5	0.6	0.724	0.71	0.98
Total suspended particles	Micrograms per cubic metre	Every 6 days	5	42	62.4	63.00	100
Type 1 and Type 2 substances in aggregate	Micrograms per cubic metre	Quarterly	1	0.21	0.21	0.21	0.21
Zinc	Micrograms per cubic metre	Every 6 days	5	<0.11	0.155	0.14	0.25
Comment:							

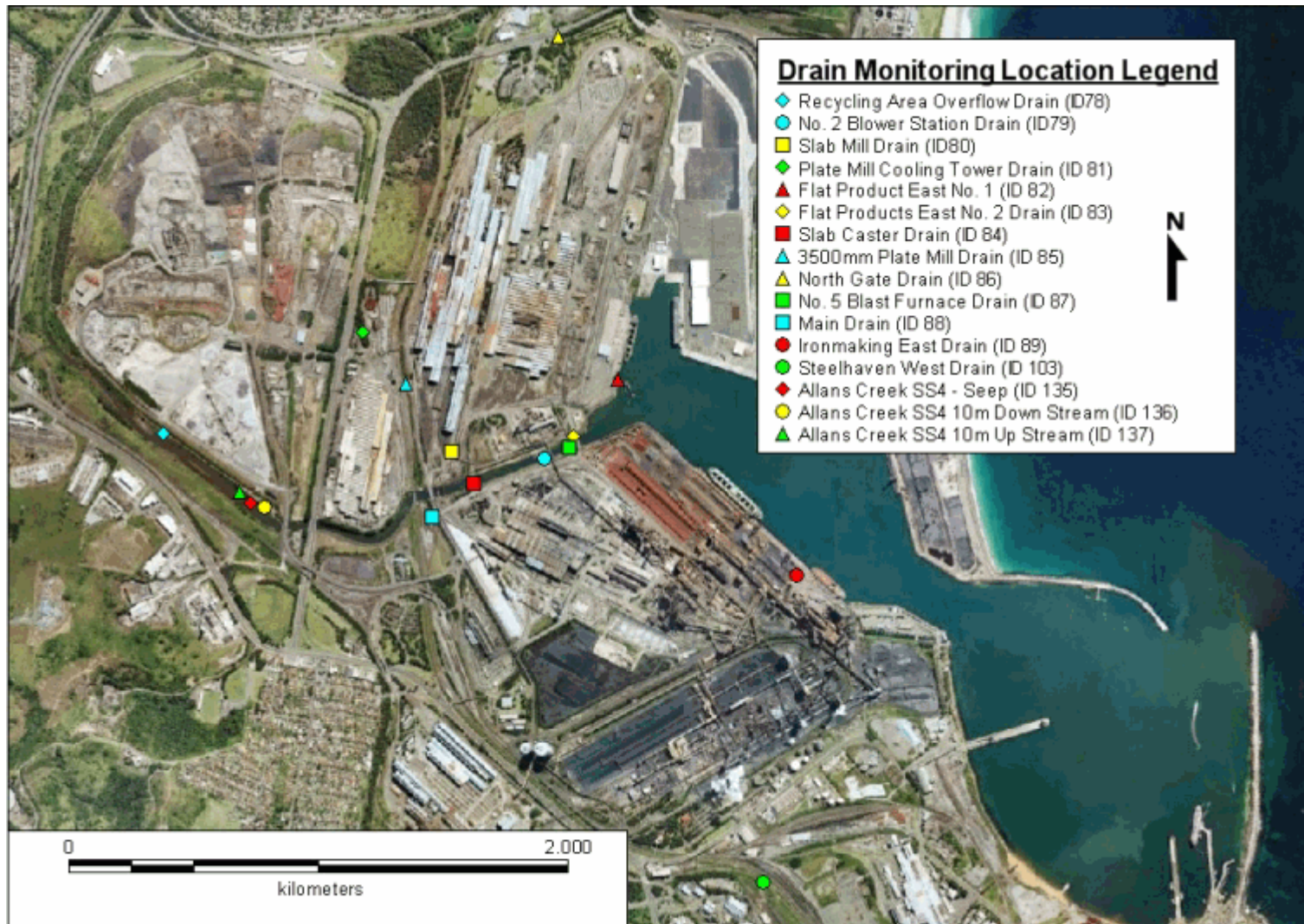


Point 153: Receiver 3 (located west of licensed site)

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	1.2	1.82	1.40	3.3
Lead	Micrograms per cubic metre	Every 6 days	5	<0.055	<0.055	0.03	<0.056
Total suspended particles	Micrograms per cubic metre	Every 6 days	5	36	50	42.00	80
Type 1 and Type 2 substances in aggregate	Micrograms per cubic metre	Quarterly	1	0.091	0.091	0.09	0.091
Zinc	Micrograms per cubic metre	Every 6 days	5	<0.11	<0.11	0.06	0.12
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
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 (0.0)	no
Cyanide	Milligrams per litre	Every 8 days	4	<0.02	<0.02	0.30 (0.00)	no
Filtrable Iron	Milligrams per litre	Every 8 days	4	<0.01	<0.01	0.3 (0.0)	no
Oil and Grease	Milligrams per litre	Every 8 days	4	<5	<5	20 (0)	no
pH		Every 8 days	4	8	8.1	6.5-9.0 (0.0-0.0)	no
Temperature	Degrees Celcius	Every 8 days	4	27	31	40 (0)	no
Total Iron	Milligrams per litre	Every 8 days	4	0.17	0.41	3 (0)	no
Total Suspended Solids	Milligrams per litre	Every 8 days	4	4	19	50 (0)	no
Total Zinc	Milligrams per litre	Every 8 days	4	<0.05	<0.05	3 (0)	no
Volume of Liquids Discharged	Kilolitres per day	Daily	Continuous	554074	661099		
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) *
Volume of Liquids Discharged	Kilolitres per day	Daily	Continuous	474	2439		
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) *
Volume of Liquids Discharged	Kilolitres per day	Daily	Continuous	92	998		
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) *
Volume of Liquids Discharged	Kilolitres per day	Daily	Continuous	0	241		
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	8.1	6.5-9.0	no
Temperature	Degrees Celcius	24/year. Min 15 days apart	2	23	25	35.00	no
Total Suspended Solids	Milligrams per litre	24/year. Min 15 days apart	2	10	21	50.00	no
Volume of Liquids Discharged	Kilolitres per day	Daily	Continuous	27779	33769		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	6	<0.06	<0.06	10.0 (0.0)	no
Cyanide	Milligrams per litre	Every 8 days	6	<0.02	<0.02	0.30 (0.00)	no
Filtrable Iron	Milligrams per litre	Every 8 days	6	<0.01	<0.01	1.5 (0.0)	no
Lead	Milligrams per litre	Every 8 days	6	<0.02	<0.02	0.5 (0.0)	no
Mercury	Micrograms per litre	Every 8 days	6	<0.5	0.15	1.5 (0.0)	no
pH		Every 8 days	6	8	8.2	6.5-11.0 (0.0-0.0)	no
Temperature	Degrees Celcius	Every 8 days	6	21	25	40 (0)	no
Total Iron	Milligrams per litre	Every 8 days	6	0.16	0.67	7 (0)	no
Total Suspended Solids	Milligrams per litre	Every 8 days	6	3	20	70 (0)	no
Volume of Liquids Discharged	Kilolitres per day	Daily	Continuous	1716	2132		
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 (0.0)	no
Cyanide	Milligrams per litre	Every 8 days	2	<0.02	<0.02	0.30 (0.00)	no
Oil and Grease	Milligrams per litre	Every 8 days	2	<5	<5	20 (0)	no
pH		Every 8 days	2	8.1	8.1	6.5-9.0 (0.0-0.0)	no
Temperature	Degrees Celcius	Every 8 days	2	21	23	40 (0)	no
Total Suspended Solids	Milligrams per litre	Every 8 days	2	8	22	100 (0)	no
Total Zinc	Milligrams per litre	Every 8 days	2	<0.05	<0.05	3 (0)	no
Volume of Liquids Discharged	Kilolitres per day	Daily	Continuous	27903	33619		

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) *
Volume of Liquids Discharged	Kilolitres per day	Daily	Continuous	0	0		

Comment: