



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

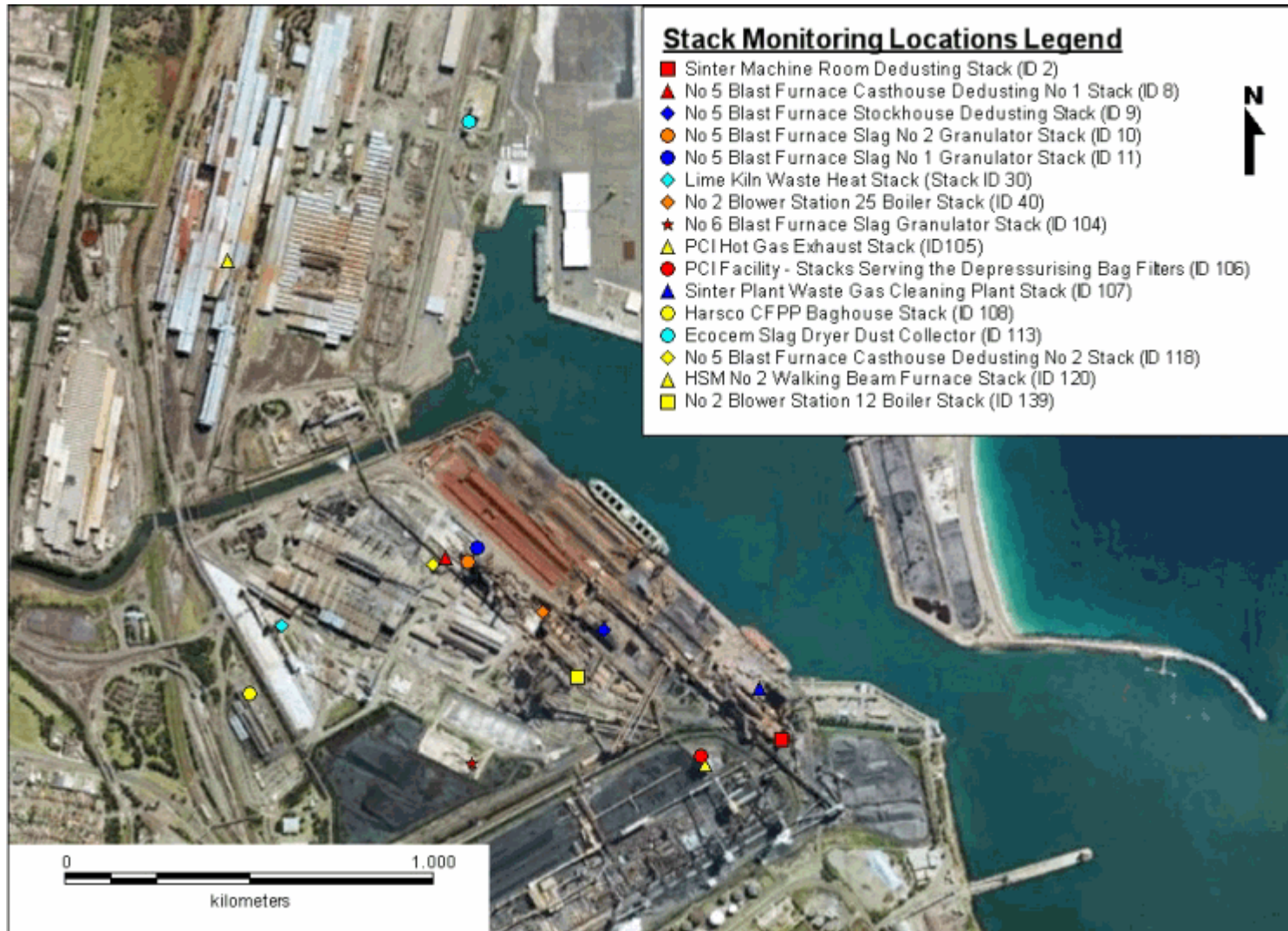
1 Sep 2020 to 30 Sep 2020

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Date Obtained: 19/11/2020

Stack Air Monitoring Requirements

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





Point 8:

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) *
Solid Particles	Milligrams per cubic metre	Yearly	1	14	14	50.00	no
Comment:							

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	9	9	80.00	no
Comment:							

Point 118:

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) *
Solid Particles	Milligrams per cubic metre	Yearly	1	1.5	1.5	50.00	no
Comment:							



Point 120:

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) *
Cadmium (7% Oxygen correction)	Milligrams per cubic metre	Yearly	1	0.00081	0.00081	0.10000	no
Carbon Dioxide	Percent	Yearly	6	4.7	5		no
Carbon Monoxide (7% Oxygen correction)	Milligrams per cubic metre	Yearly	5	<3	<3	400.00	no
Dry Gas Density	Kilograms per cubic metre	Yearly	12	1.31	1.31		no
Mercury (7% Oxygen correction)	Milligrams per cubic metre	Yearly	1	0.0025	0.0025	0.10000	no
Moisture	Percent	Yearly	12	13	14		no
Molecular Weight of stack gases	grams per gram mole	Yearly	12	29.2	29.3		no
Nitrogen Oxides (7% Oxygen correction)	Milligrams per cubic metre	Yearly	6	432	472	650.00	no
Oxygen (O2)	Percent	Yearly	6	10	11		no
Solid Particles (7% Oxygen corrected)	Milligrams per cubic metre	Yearly	1	16	16	30.00	no
Sulphur Dioxide (7% Oxygen correction)	Milligrams per cubic metre	Yearly	6	690	760	1,250.00	no
Temperature	Degrees Celcius	Yearly	12	236	266		no
Type 1 and 2 substances in aggregate (7% Oxygen correction)	Milligrams per cubic metre	Yearly	1	0.12	0.12	1.0000	no
Velocity	Metres per second	Yearly	12	15	21		no
Volumetric flowrate	Cubic metres per second	Yearly	12	52	68		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	0.0	2.5	2.6	33.3
Comment: Elevated result associated with plant shutdown and startup							

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	0.0	6.5	6.1	47.1
Comment: Elevated results associated with plant shutdown and startup							



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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
Benzene	Parts per billion	Every 6 days	5	0.039	0.1298	0.1200	0.25
Fine Particulates	Micrograms per cubic metre	Continuous	Continuous	5	21	20	36
Iron	Micrograms per cubic metre	Every 6 days	5	1.7	3.36	2.20	6.1
Lead	Micrograms per cubic metre	Every 6 days	5	<0.054	<0.054	0.03	<0.056
Particulates - Deposited Matter	Grams per square metre per month	Monthly	1	2.1	2.1	2.10	2.1
Polycyclic aromatic hydrocarbons	Nanograms per cubic metre	24 hour period every 6 days.	5	0.6	1.478	0.67	3.6
Total suspended particles	Micrograms per cubic metre	Every 6 days	5	28	44.2	35.00	72
Zinc	Micrograms per cubic metre	Every 6 days	5	<0.11	<0.11	0.06	0.13
Comment:							

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

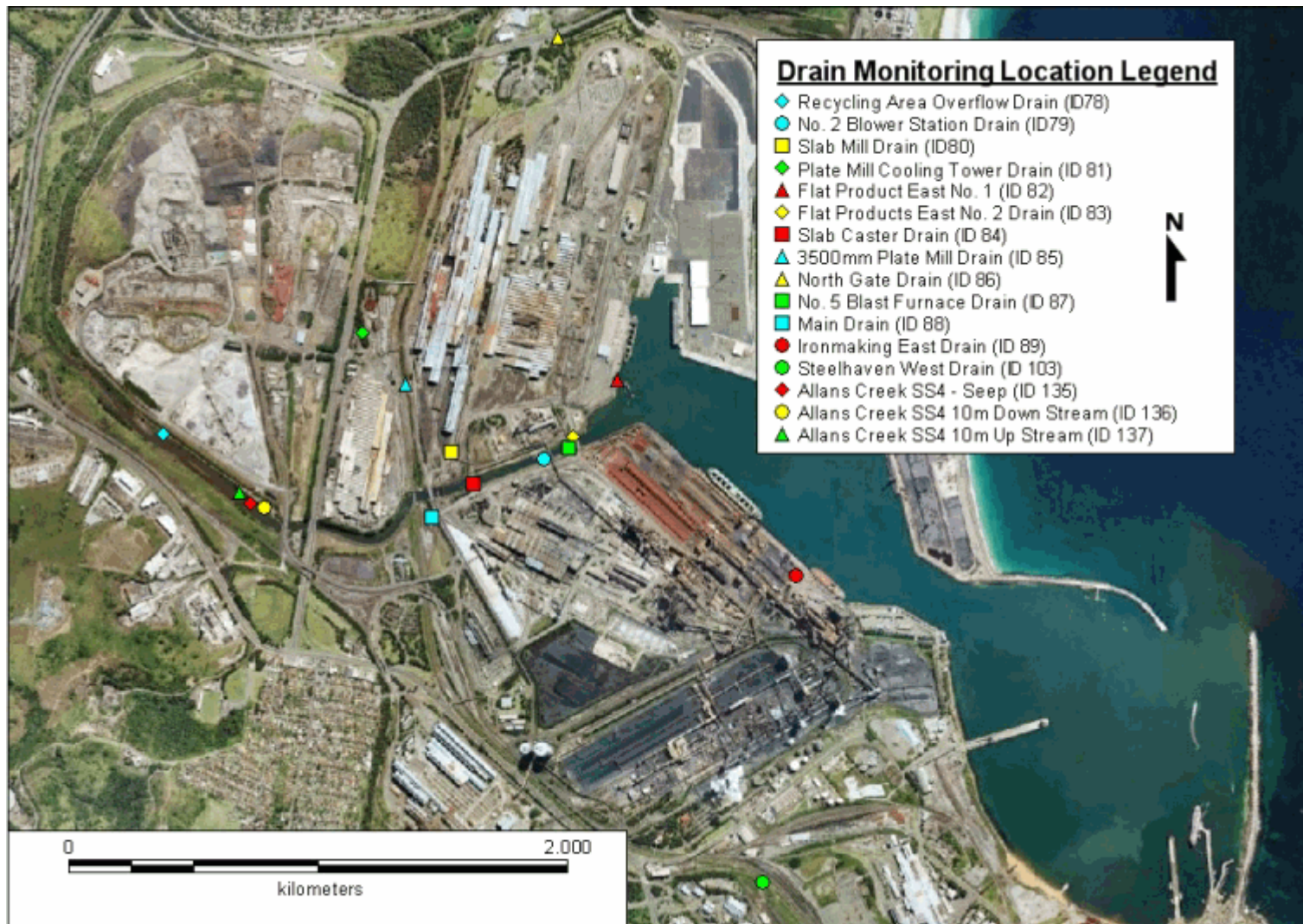
Pollutant	Units of Measure	Monitoring frequency required by licence	No. of times measured during month	Min. Value	Mean Value	Median Value	Max. Value
Benzene	Parts per billion	Every 6 days	5	0.037	0.0702	0.0660	0.13
Fine Particulates	Micrograms per cubic metre	Continuous	Continuous	10	21	19	38
Iron	Micrograms per cubic metre	Every 6 days	5	1.1	1.68	1.50	2.9
Lead	Micrograms per cubic metre	Every 6 days	5	<0.054	<0.054	0.03	<0.056
Particulates - Deposited Matter	Grams per square metre per month	Monthly	1	1.7	1.7	1.70	1.7
Polycyclic aromatic hydrocarbons	Nanograms per cubic metre	24 hour period every 6 days.	5	0.6	0.778	0.78	0.89
Total suspended particles	Micrograms per cubic metre	Every 6 days	5	27	35.2	35.00	41
Zinc	Micrograms per cubic metre	Every 6 days	5	<0.11	<0.11	0.06	0.17
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	0.73	1.306	1.30	1.8
Lead	Micrograms per cubic metre	Every 6 days	5	<0.054	<0.054	0.03	<0.056
Total suspended particles	Micrograms per cubic metre	Every 6 days	5	26	32.8	32.00	40
Zinc	Micrograms per cubic metre	Every 6 days	5	<0.11	<0.11	0.06	<0.11
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: No Discharge recorded for the month.							

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	12	<0.06	0.11	5.0 (5.0)	no
Cyanide	Milligrams per litre	Every 8 days	12	<0.02	<0.02	0.30 (0.30)	no
Filtrable Iron	Milligrams per litre	Every 8 days	12	<0.01	0.04	0.3 (0.3)	no
Oil and Grease	Milligrams per litre	Every 8 days	12	<5	<5	20 (50)	no
pH		Every 8 days	12	8.1	8.3	6.5-9.0 (6.5-9.0)	no
Temperature	Degrees Celcius	Every 8 days	12	19.1	25.1	40 (40)	no
Total Iron	Milligrams per litre	Every 8 days	12	0.06	0.22	3 (50)	no
Total Suspended Solids	Milligrams per litre	Every 8 days	12	<3	17	50 (500)	no
Total Zinc	Milligrams per litre	Every 8 days	12	<0.05	<0.05	3 (3)	no
Volume of Liquids Discharged	Kilolitres per day	Daily	Continuous	547708	724186		
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	8	8	6.5-9.0 (0.0-0.0)	no
Volume of Liquids Discharged	Kilolitres per day	Daily	Continuous	398	2577		
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	235	673		
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	78		
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	1	8.2	8.2	6.5-9.0	no
Temperature	Degrees Celcius	24/year. Min 15 days apart	1	19.1	19.1	35.00	no
Total Suspended Solids	Milligrams per litre	24/year. Min 15 days apart	1	10	10	50.00	no
Volume of Liquids Discharged	Kilolitres per day	Daily	Continuous	24985	34643		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	3	<0.06	<0.06	10.0 (10.0)	no
Cyanide	Milligrams per litre	Every 8 days	3	<0.02	<0.02	0.30 (0.30)	no
Filtrable Iron	Milligrams per litre	Every 8 days	3	<0.01	<0.01	1.5 (1.5)	no
Lead	Milligrams per litre	Every 8 days	3	<0.02	<0.02	0.5 (0.5)	no
Mercury	Micrograms per litre	Every 8 days	3	<0.5	<0.5	1.5 (1.5)	no
pH		Every 8 days	3	8.1	8.2	6.5-11.0 (6.5-11.0)	no
Temperature	Degrees Celcius	Every 8 days	3	16.2	17.1	40 (40)	no
Total Iron	Milligrams per litre	Every 8 days	3	0.13	0.14	7 (100)	no
Total Suspended Solids	Milligrams per litre	Every 8 days	3	12	14	70 (500)	no
Volume of Liquids Discharged	Kilolitres per day	Daily	Continuous	1848	2163		
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	24/year. Min 15 days apart	1	<0.06	<0.06	7.5 (7.5)	no
Cyanide	Milligrams per litre	24/year. Min 15 days apart	1	<0.02	<0.02	0.30 (0.30)	no
Oil and Grease	Milligrams per litre	24/year. Min 15 days apart	1	<5	<5	20 (50)	no
pH		24/year. Min 15 days apart	1	8.3	8.3	6.5-9.0 (6.5-9.0)	no
Temperature	Degrees Celcius	24/year. Min 15 days apart	1	18.1	18.1	40 (40)	no
Total Suspended Solids	Milligrams per litre	24/year. Min 15 days apart	1	4	4	100 (200)	no
Total Zinc	Milligrams per litre	24/year. Min 15 days apart	1	<0.05	<0.05	3 (3)	no
Volume of Liquids Discharged	Kilolitres per day	Daily	Continuous	2783	31109		
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: No Discharge recorded for the month							

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	8.2	8.2	8.20	8.2
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	16.7	16.7	16.70	16.7
Comment:							