



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**

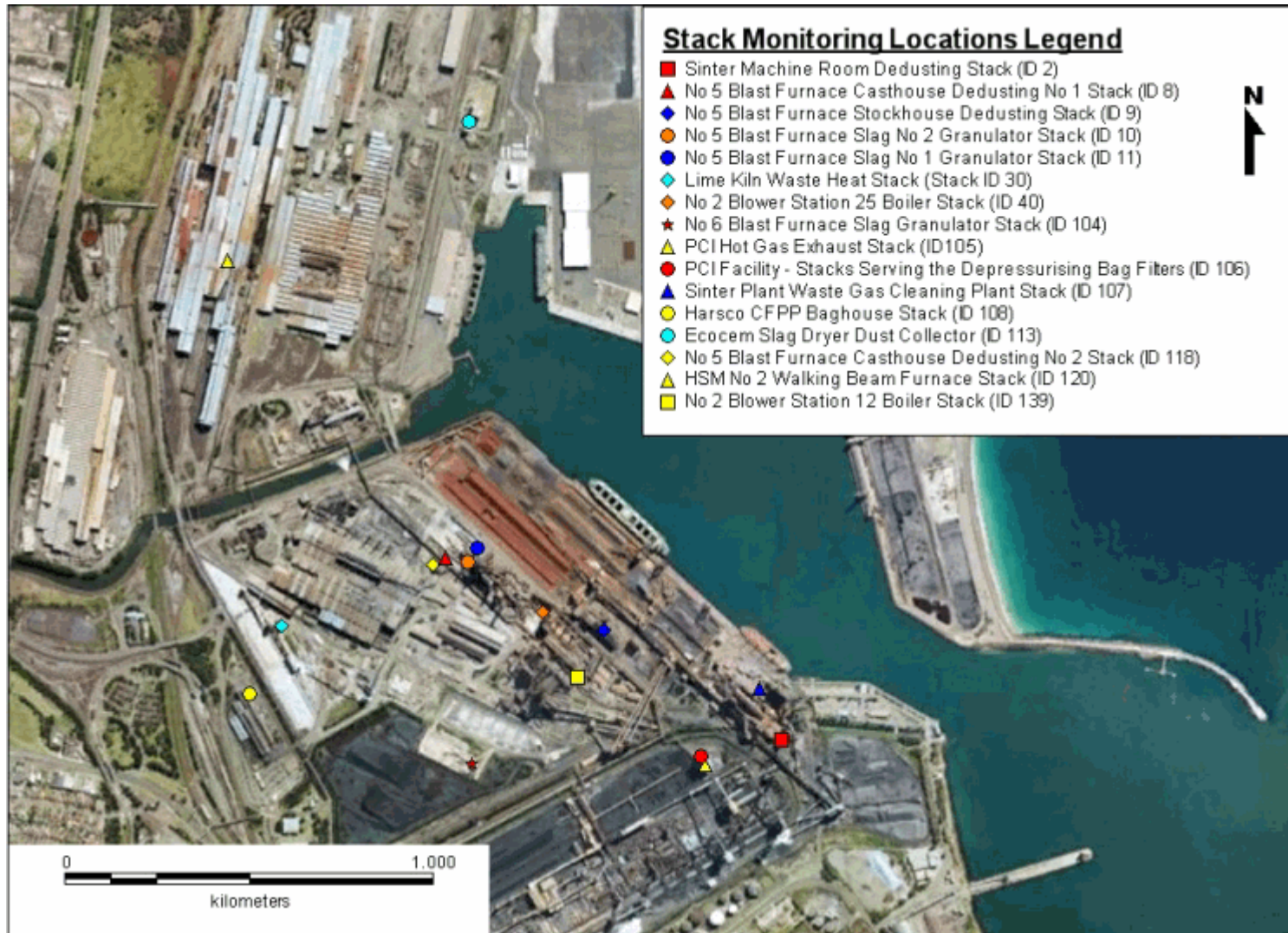
for

**1 Feb 2018 to 28 Feb 2018**

Monthly (February 2018) Report Published: 7, June, 2018

## Stack Air Monitoring Requirements

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





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**Point 2:**

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	Quarterly	1	2.7	2.7	50	no
<b>Comment:</b>							



**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	<0.00036	<0.00036	0.1	no
Carbon Dioxide	Percent	Yearly	4	3.6	4.4		no
Carbon Monoxide (7% Oxygen correction)	Milligrams per cubic metre	Yearly	4	<3	52	400	no
Dry Gas Density	Kilograms per cubic metre	Yearly	9	1.3	1.32		no
Mercury (7% Oxygen correction)	Milligrams per cubic metre	Yearly	1	<0.00036	<0.00036	0.1	no
Moisture	Percent	Yearly	9	13	14		no
Molecular Weight of stack gases	grams per gram mole	Yearly	9	29.2	29.5		no
Nitrogen Oxides (7% Oxygen correction)	Milligrams per cubic metre	Yearly	4	518	563	650	no
Oxygen (O2)	Percent	Yearly	4	12	13		no
Solid Particles (7% Oxygen corrected)	Milligrams per cubic metre	Yearly	1	30	30	30	no
Sulphur Dioxide (7% Oxygen correction)	Milligrams per cubic metre	Yearly	4	800	924	1250	no
Temperature	Degrees Celcius	Yearly	9	260	273		no
Type 1 and 2 substances in aggregate (7% Oxygen correction)	Milligrams per cubic metre	Yearly	1	0.046	0.046	1.0	no
Velocity	Metres per second	Yearly	9	21	23		no
Volumetric flowrate	Cubic metres per second	Yearly	9	71	78		no

**Comment:**



**Point 10:**

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	Quarterly	8	1.29	1.29		no
Hydrogen Sulphide	Grams per second	Quarterly	1	0.71	0.71	1.2	no
Moisture	Percent	Quarterly	8	5.3	9		no
Molecular Weight of stack gases	grams per gram mole	Quarterly	8	28.9	28.9		no
Temperature	Degrees Celcius	Quarterly	8	34	44		no
Velocity	Metres per second	Quarterly	8	2.5	3.5		no
Volumetric flowrate	Cubic metres per second	Quarterly	9	27	35		no
<b>Comment:</b>							



**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	2.4	2.1	34.0
<b>Comment:</b> Elevated results associated with plant shut down.							

**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	4.9	4.0	50.0
<b>Comment:</b> Elevated results associated with plant shut down.							



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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
<b>Comment:</b>				

**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
<b>Comment:</b>				





**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	6.1	23.3	19.5	61.2
Benzene	Parts per billion	Every 6 days	5	0.022	0.0526	0.0410	0.12
Iron	Micrograms per cubic metre	Every 6 days	5	0.7	2.762	0.88	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	1.9	1.9	1.90	1.9
Polycyclic aromatic hydrocarbons	Nanograms per cubic metre	24 hour period every 6 days.	5	0.6	1.364	0.61	3.3
Total suspended particles	Micrograms per cubic metre	Every 6 days	5	23	63.8	39.00	110
Zinc	Micrograms per cubic metre	Every 6 days	5	<0.11	<0.11	0.06	<0.11
<b>Comment:</b>							



**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	9.9	26.2	24.1	56.6
Benzene	Parts per billion	Every 6 days	5	0.041	0.0766	0.0660	0.15
Iron	Micrograms per cubic metre	Every 6 days	5	2	5	4.90	8.3
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	2	2.00	2
Polycyclic aromatic hydrocarbons	Nanograms per cubic metre	24 hour period every 6 days.	5	0.88	1.956	1.40	4.6
Total suspended particles	Micrograms per cubic metre	Every 6 days	5	58	82.6	66.00	130
Zinc	Micrograms per cubic metre	Every 6 days	5	<0.11	0.255	0.22	0.46
<b>Comment:</b>							

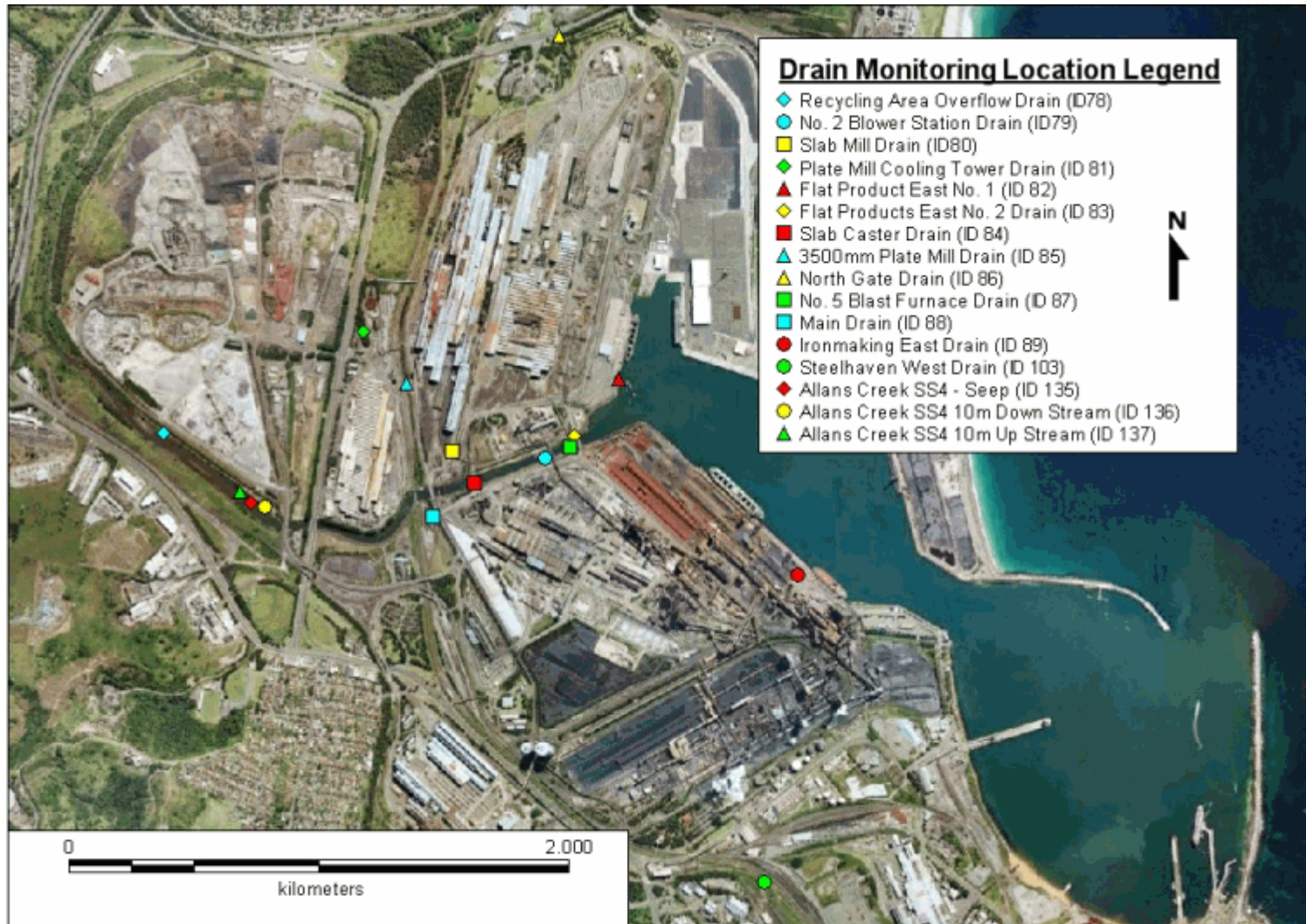


**Point 153: Receiver 3 (located west of licensed site)**

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	0.9	1.72	1.20	3.4
Lead	Micrograms per cubic metre	Every 6 days	5	<0.055	<0.055	0.03	<0.057
Total suspended particles	Micrograms per cubic metre	Every 6 days	5	24	46	35.00	100
Zinc	Micrograms per cubic metre	Every 6 days	5	<0.11	0.128	0.11	0.25
<b>Comment:</b>							

## 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
<b>Comment:</b>							

**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	3	<0.06	<0.06	5.0 (5.0)	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	0.3 (0.3)	no
Oil and Grease	Milligrams per litre	Every 8 days	3	<5	<5	20 (50)	no
pH		Every 8 days	3	8	8.1	6.5-9.0 (6.5-9.0)	no
Temperature	Degrees Celcius	Every 8 days	3	28	33	40 (40)	no
Total Iron	Milligrams per litre	Every 8 days	3	0.13	0.32	3 (50)	no
Total Suspended Solids	Milligrams per litre	Every 8 days	3	4	18	50 (500)	no
Total Zinc	Milligrams per litre	Every 8 days	3	<0.05	<0.05	3 (3)	no
Volume of Liquids Discharged	Kilolitres per day	Daily	Continuous	582784	751524		no
<b>Comment:</b>							



**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	351	3708		
<b>Comment:</b>							

**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	12	4456		
<b>Comment:</b>							

**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	932		
<b>Comment:</b>							



**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	1	<5	<5	20.00	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	28	28	35.00	no
Total Suspended Solids	Milligrams per litre	24/year. Min 15 days apart	1	5	5	50.00	no
Volume of Liquids Discharged	Kilolitres per day	Daily	Continuous	33502	35919		no
<b>Comment:</b>							



**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	24	25	40 (40)	no
Total Iron	Milligrams per litre	Every 8 days	3	0.32	0.36	7 (100)	no
Total Suspended Solids	Milligrams per litre	Every 8 days	3	10	19	70 (500)	no
Volume of Liquids Discharged	Kilolitres per day	Daily	Continuous	1565	1950		
<b>Comment:</b>							





**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	1	<0.06	<0.06	7.5 (7.5)	no
Cyanide	Milligrams per litre	Every 8 days	1	<0.02	<0.02	0.30 (0.30)	no
Oil and Grease	Milligrams per litre	Every 8 days	1	<5	<5	20 (50)	no
pH		Every 8 days	1	8.2	8.2	6.5-9.0 (6.5-9.0)	no
Temperature	Degrees Celcius	Every 8 days	1	26	26	40 (40)	no
Total Suspended Solids	Milligrams per litre	Every 8 days	1	15	15	100 (200)	no
Total Zinc	Milligrams per litre	Every 8 days	1	<0.05	<0.05	3 (3)	no
Volume of Liquids Discharged	Kilolitres per day	Daily	Continuous	27515	56761		
<b>Comment:</b>							

**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		
<b>Comment:</b>							