



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**

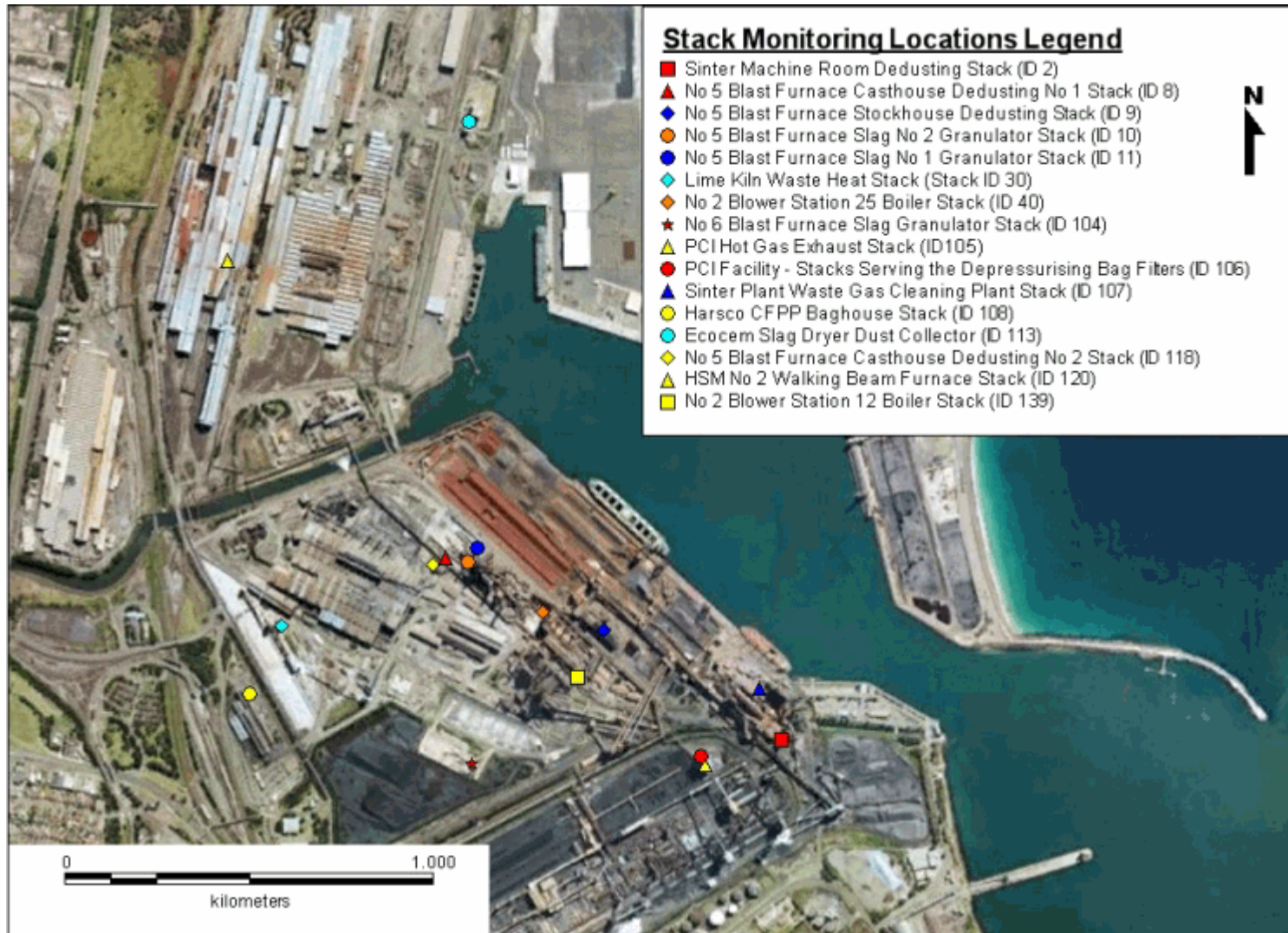
for

**1 Mar 2018 to 31 Mar 2018**

Monthly (March 2018) Report Published: 13, July, 2018

## Stack Air Monitoring Requirements

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





**Point 107:**

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) *
Arsenic	Milligrams per cubic metre	Quarterly in duplicate	15	<0.00015	0.00059		no
Cadmium	Milligrams per cubic metre	Quarterly in duplicate	15	<0.00015	0.0022		no
Carbon Dioxide	Percent	Quarterly in duplicate	24	5.6	7.1		no
Dioxins & Furans (15.7% Oxygen correction)	Nanograms per cubic metre	Quarterly in duplicate	2	0.0046	0.0065	0.300000	no
Dry Gas Density	Kilograms per cubic metre	Quarterly in duplicate	54	1.32	1.34		no
Fine Particulates	Milligrams per cubic metre	Quarterly in duplicate	2	1.9	2.8		no
Hydrogen Chloride	Milligrams per cubic metre	Quarterly in duplicate	2	32	32		no
Hydrogen Fluoride	Milligrams per cubic metre	Quarterly in duplicate	2	2.9	2.9		no
Lead	Milligrams per cubic metre	Quarterly in duplicate	15	0.0011	0.017		no
Manganese	Milligrams per cubic metre	Quarterly in duplicate	15	0.0022	0.092		no
Moisture	Percent	Quarterly in duplicate	54	9.7	13		no
Molecular Weight of stack gases	grams per gram mole	Quarterly in duplicate	54	29.5	30		no
Nickel	Milligrams per cubic metre	Quarterly in duplicate	15	0.00032	0.0034		no
Nitrogen Oxides	Milligrams per cubic metre	Quarterly	24	226	280	2,000.00	no
Oxygen (O2)	Percent	Quarterly in duplicate	24	16	17		no
Solid Particles	Milligrams per cubic metre	Quarterly in duplicate	20	4.9	14	20.00	no
Sulfuric acid mist and sulphur trioxide (as SO3)	Milligrams per cubic metre	Quarterly in duplicate	2	4.8	5.3	100.00	no
Sulphur Dioxide - UV	Milligrams per cubic metre	Quarterly	24	76	96	1,000.00	no
Temperature	Degrees Celcius	Quarterly in duplicate	54	136	138		no
Velocity	Metres per second	Quarterly in duplicate	54	15	18		no
Volumetric flowrate	Cubic metres per second	Quarterly in duplicate	54	290	350		no



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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	1.8	1.7	6.0
<b>Comment:</b>							

**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	4.2	3.9	29.5
<b>Comment:</b> Elevated results are associated with plant stop							



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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
<b>Comment:</b>				

**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	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	9.4	22.7	18.1	63.5
Benzene	Parts per billion	Every 6 days	5	0.038	0.1076	0.0640	0.28
Iron	Micrograms per cubic metre	Every 6 days	5	0.36	1.392	0.99	4
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	1.8	1.8	1.80	1.8
Polycyclic aromatic hydrocarbons	Nanograms per cubic metre	24 hour period every 6 days.	5	0.6	1.45	0.62	4.8
Total suspended particles	Micrograms per cubic metre	Every 6 days	5	17	38.2	39.00	56
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	12.9	26.7	23.0	56.4
Benzene	Parts per billion	Every 6 days	5	0.059	0.0898	0.0880	0.12
Iron	Micrograms per cubic metre	Every 6 days	5	1.3	1.76	1.50	2.9
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	2.3	2.3	2.30	2.3
Polycyclic aromatic hydrocarbons	Nanograms per cubic metre	24 hour period every 6 days.	5	0.6	0.75	0.62	1.1
Total suspended particles	Micrograms per cubic metre	Every 6 days	5	31	49	47.00	65
Zinc	Micrograms per cubic metre	Every 6 days	5	<0.11	<0.11	0.06	0.15
<b>Comment:</b>							

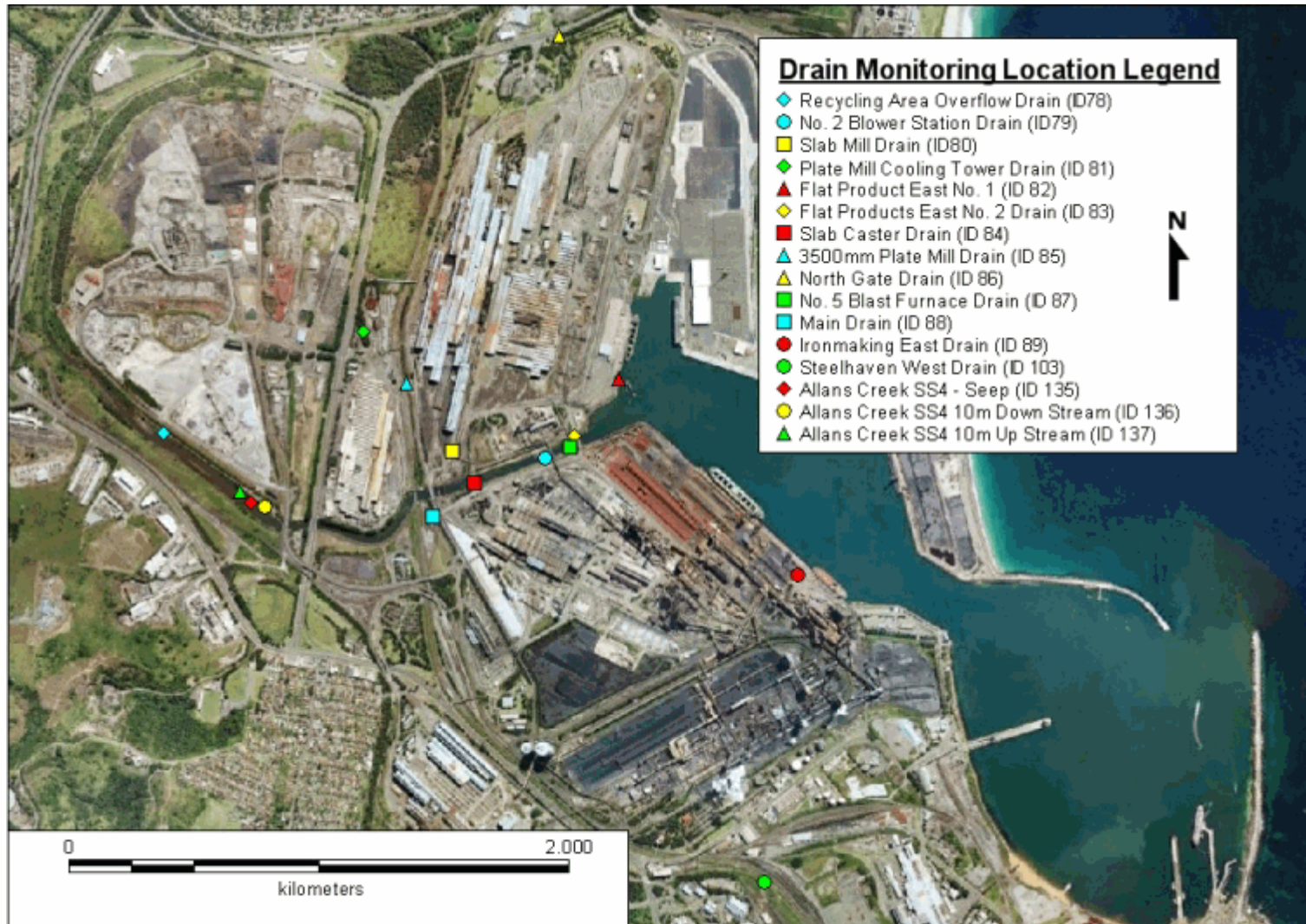


**Point 153: Receiver 3 (located west of licensed site)**

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	4	1.1	1.275	1.15	1.7
Lead	Micrograms per cubic metre	Every 6 days	4	<0.055	<0.055	0.03	<0.056
Total suspended particles	Micrograms per cubic metre	Every 6 days	4	23	35.75	38.50	43
Zinc	Micrograms per cubic metre	Every 6 days	4	<0.11	<0.11	0.06	0.2
<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
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
<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	13	<0.06	<0.06	5.0 (0.0)	no
Cyanide	Milligrams per litre	Every 8 days	13	<0.02	<0.02	0.30 (0.00)	no
Filtrable Iron	Milligrams per litre	Every 8 days	13	<0.01	0.01	0.3 (0.0)	no
Oil and Grease	Milligrams per litre	Every 8 days	13	<5	<5	20 (0)	no
pH		Every 8 days	13	8.1	8.4	6.5-9.0 (0.0-0.0)	no
Temperature	Degrees Celcius	Every 8 days	11	25	30	40 (0)	no
Total Iron	Milligrams per litre	Every 8 days	13	0.08	0.68	3 (0)	no
Total Suspended Solids	Milligrams per litre	Every 8 days	14	4	23	50 (0)	no
Total Zinc	Milligrams per litre	Every 8 days	13	<0.05	0.52	3 (0)	no
Volume of Liquids Discharged	Kilolitres per day	Daily	Continuous	631800	773843		
<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) *
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	7.5	7.5	6.5-9.0 (0.0-0.0)	no
Volume of Liquids Discharged	Kilolitres per day	Daily	Continuous	445	3275		
<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) *
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	166	1283		
<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) *
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	300		
<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	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	24	35.00	no
Total Suspended Solids	Milligrams per litre	24/year. Min 15 days apart	2	6	16	50.00	no
Volume of Liquids Discharged	Kilolitres per day	Daily	Continuous	33158	34731		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	10	<0.06	<0.06	10.0 (0.0)	no
Cyanide	Milligrams per litre	Every 8 days	10	<0.02	<0.02	0.30 (0.00)	no
Filtrable Iron	Milligrams per litre	Every 8 days	10	<0.01	<0.01	1.5 (0.0)	no
Lead	Milligrams per litre	Every 8 days	10	<0.02	<0.02	0.5 (0.0)	no
Mercury	Micrograms per litre	Every 8 days	10	<0.5	<0.5	1.5 (0.0)	no
pH		Every 8 days	10	8.1	8.2	6.5-11.0 (0.0-0.0)	no
Temperature	Degrees Celcius	Every 8 days	10	22	24	40 (0)	no
Total Iron	Milligrams per litre	Every 8 days	10	0.09	0.45	7 (0)	no
Total Suspended Solids	Milligrams per litre	Every 8 days	10	4	15	70 (0)	no
Volume of Liquids Discharged	Kilolitres per day	Daily	Continuous	1651	2026		
<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	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	22	23	40 (0)	no
Total Suspended Solids	Milligrams per litre	Every 8 days	2	5	16	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	28087	32604		

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: