



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

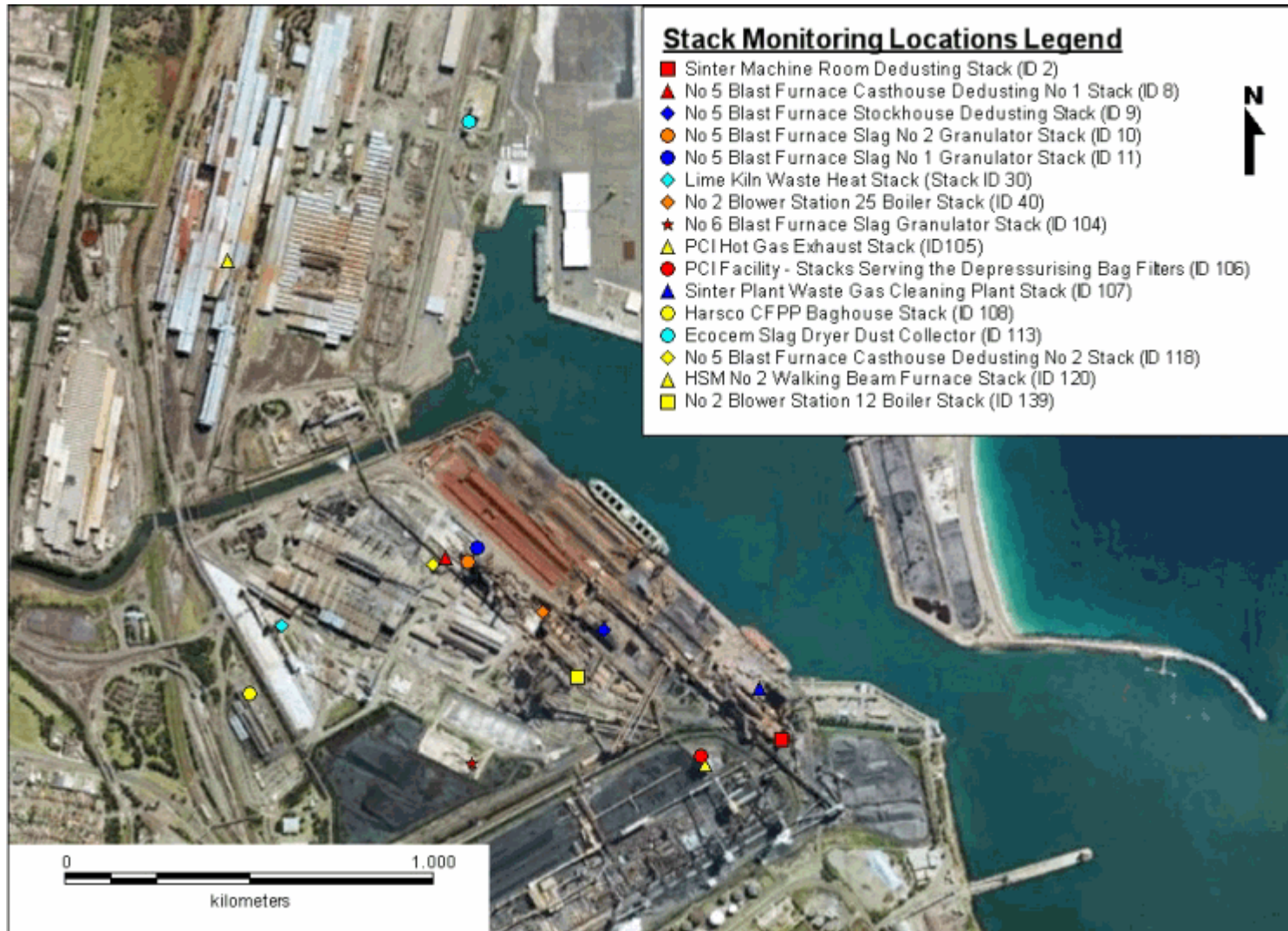
**1 Oct 2020 to 31 Oct 2020**

Monthly (October 2020) Report Published: 21, December, 2020

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## Stack Air Monitoring Requirements

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





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**Point 9:**

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	<1	50.00	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	0.0	3.4	3.6	7.4
<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	1.5	6.7	6.1	36.7
<b>Comment:</b> 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
<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	1	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
Benzene	Parts per billion	Every 6 days	6	<0.01	0.07	0.0605	0.16
Fine Particulates	Micrograms per cubic metre	Continuous	Continuous	5	21	18	49
Iron	Micrograms per cubic metre	Every 6 days	6	0.49	1.54	1.27	3.4
Lead	Micrograms per cubic metre	Every 6 days	6	<0.054	<0.054	0.03	<0.056
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.	6	0.6	2.647	0.64	11
Total suspended particles	Micrograms per cubic metre	Every 6 days	6	17	35.83	35.00	56
Type 1 and Type 2 substances in aggregate	Micrograms per cubic metre	Quarterly	1	0.084	0.084	0.08	0.084
Zinc	Micrograms per cubic metre	Every 6 days	6	<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
Benzene	Parts per billion	Every 6 days	6	0.026	0.0527	0.0505	0.084
Fine Particulates	Micrograms per cubic metre	Continuous	Continuous	11	20	18	37
Iron	Micrograms per cubic metre	Every 6 days	6	1.8	2.133	2.10	2.4
Lead	Micrograms per cubic metre	Every 6 days	6	<0.054	<0.054	0.03	<0.056
Particulates - Deposited Matter	Grams per square metre per month	Monthly	1	2.5	2.5	2.50	2.5
Polycyclic aromatic hydrocarbons	Nanograms per cubic metre	24 hour period every 6 days.	6	0.6	0.86	0.73	1.3
Total suspended particles	Micrograms per cubic metre	Every 6 days	6	27	42.5	43.00	56
Type 1 and Type 2 substances in aggregate	Micrograms per cubic metre	Quarterly	1	0.12	0.12	0.12	0.12
Zinc	Micrograms per cubic metre	Every 6 days	6	<0.11	0.126	0.09	0.29
<b>Comment:</b>							

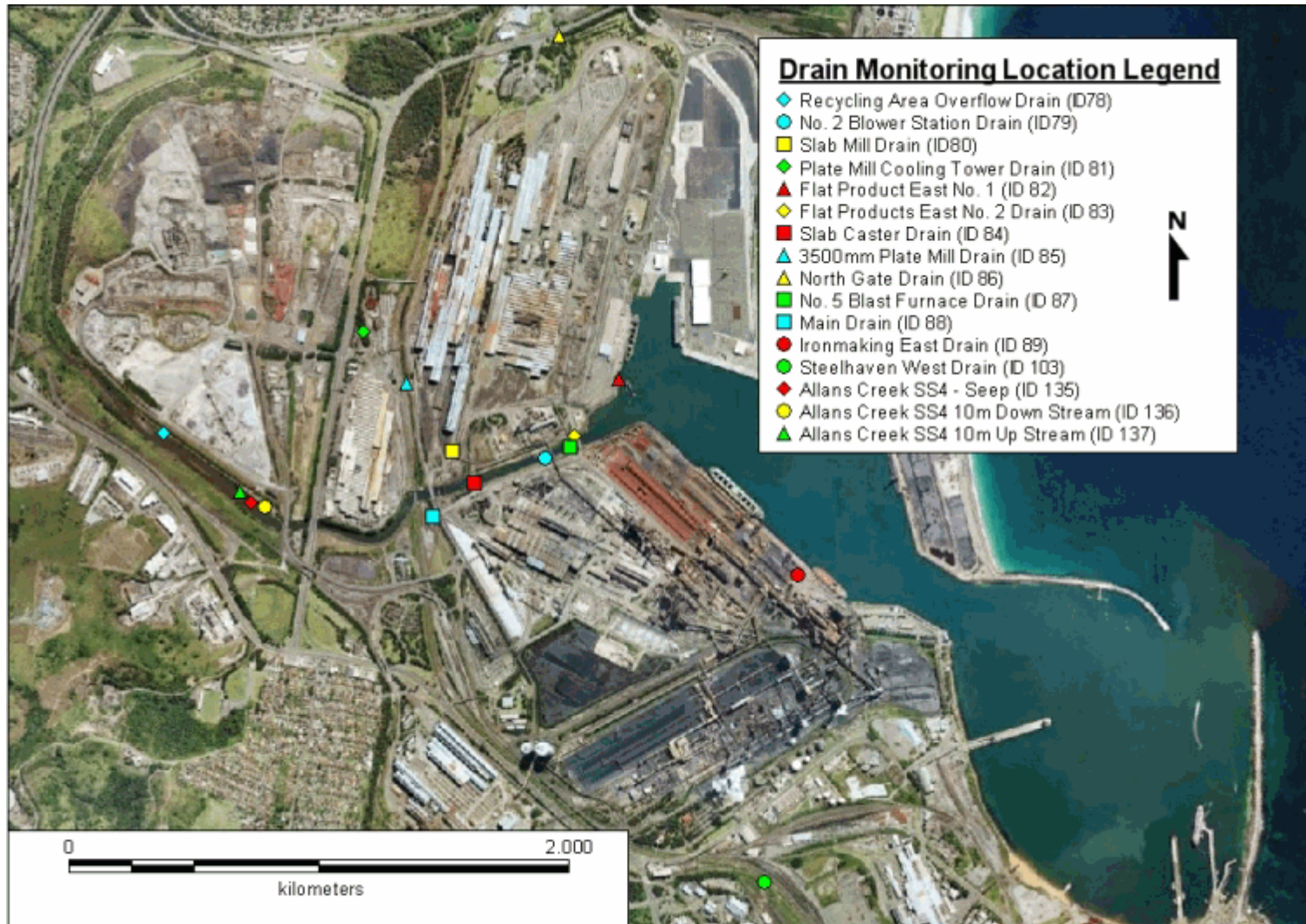
**Point 153: Receiver 3 (located west of licensed site)**

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	6	0.4	1.44	1.20	3.2
Lead	Micrograms per cubic metre	Every 6 days	6	<0.054	<0.054	0.03	<0.056
Total suspended particles	Micrograms per cubic metre	Every 6 days	6	16	36.33	36.50	65
Type 1 and Type 2 substances in aggregate	Micrograms per cubic metre	Quarterly	1	0.27	0.27	0.27	0.27
Zinc	Micrograms per cubic metre	Every 6 days	6	<0.11	<0.11	0.06	0.14
<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	85.19	0.00	1040
<b>Comment:</b> Not Tested due to no flow at the time of sampling							

**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	0.17	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	0.01	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	23.2	25.2	40 (40)	no
Total Iron	Milligrams per litre	Every 8 days	4	0.07	0.34	3 (50)	no
Total Suspended Solids	Milligrams per litre	Every 8 days	4	<3	15	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	456399	574115		
<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	388	3683		
<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	0			0.30 (0.00)	no
Volume of Liquids Discharged	Kilolitres per day	Daily	Continuous	0	2123		
<b>Comment:</b> Not Tested due to no flow at the time of sampling							

**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	376		
<b>Comment:</b> Not Tested due to no flow at the time of sampling							

**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	3	<5	<5	20.0000	no
pH		24/year. Min 15 days apart	3	8.1	8.1	6.5-9.0	no
Temperature	Degrees Celcius	24/year. Min 15 days apart	3	17.2	19.2	35.00	no
Total Suspended Solids	Milligrams per litre	24/year. Min 15 days apart	3	3	5	50.00	no
Volume of Liquids Discharged	Kilolitres per day	Daily	Continuous	33889	37157		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	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	17.2	18.2	40 (40)	no
Total Iron	Milligrams per litre	Every 8 days	4	0.07	0.26	7 (100)	no
Total Suspended Solids	Milligrams per litre	Every 8 days	4	<3	13	70 (500)	no
Volume of Liquids Discharged	Kilolitres per day	Daily	Continuous	1874	2106		
<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	24/year. Min 15 days apart	3	<0.06	0.08	7.5 (7.5)	no
Cyanide	Milligrams per litre	24/year. Min 15 days apart	3	<0.02	<0.02	0.30 (0.30)	no
Oil and Grease	Milligrams per litre	24/year. Min 15 days apart	3	<5	<5	20 (50)	no
pH		24/year. Min 15 days apart	3	8.1	8.2	6.5-9.0 (6.5-9.0)	no
Temperature	Degrees Celcius	24/year. Min 15 days apart	3	16.2	19.2	40 (40)	no
Total Suspended Solids	Milligrams per litre	24/year. Min 15 days apart	3	4	18	100 (200)	no
Total Zinc	Milligrams per litre	24/year. Min 15 days apart	3	<0.05	0.06	3 (3)	no
Volume of Liquids Discharged	Kilolitres per day	Daily	Continuous	22417	52203		
<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) *
Copper	Milligrams per litre	Special frequency 11	0			1.000	no
Total Suspended Solids	Milligrams per litre	Special frequency 11	0			100 (200)	no
Total Zinc	Milligrams per litre	Special frequency 11	0			3 (3)	no
Volume of Liquids Discharged	Kilolitres per day	Daily	Continuous	0	0		
<b>Comment:</b> Not Tested due to no flow at the time of sampling							