



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**

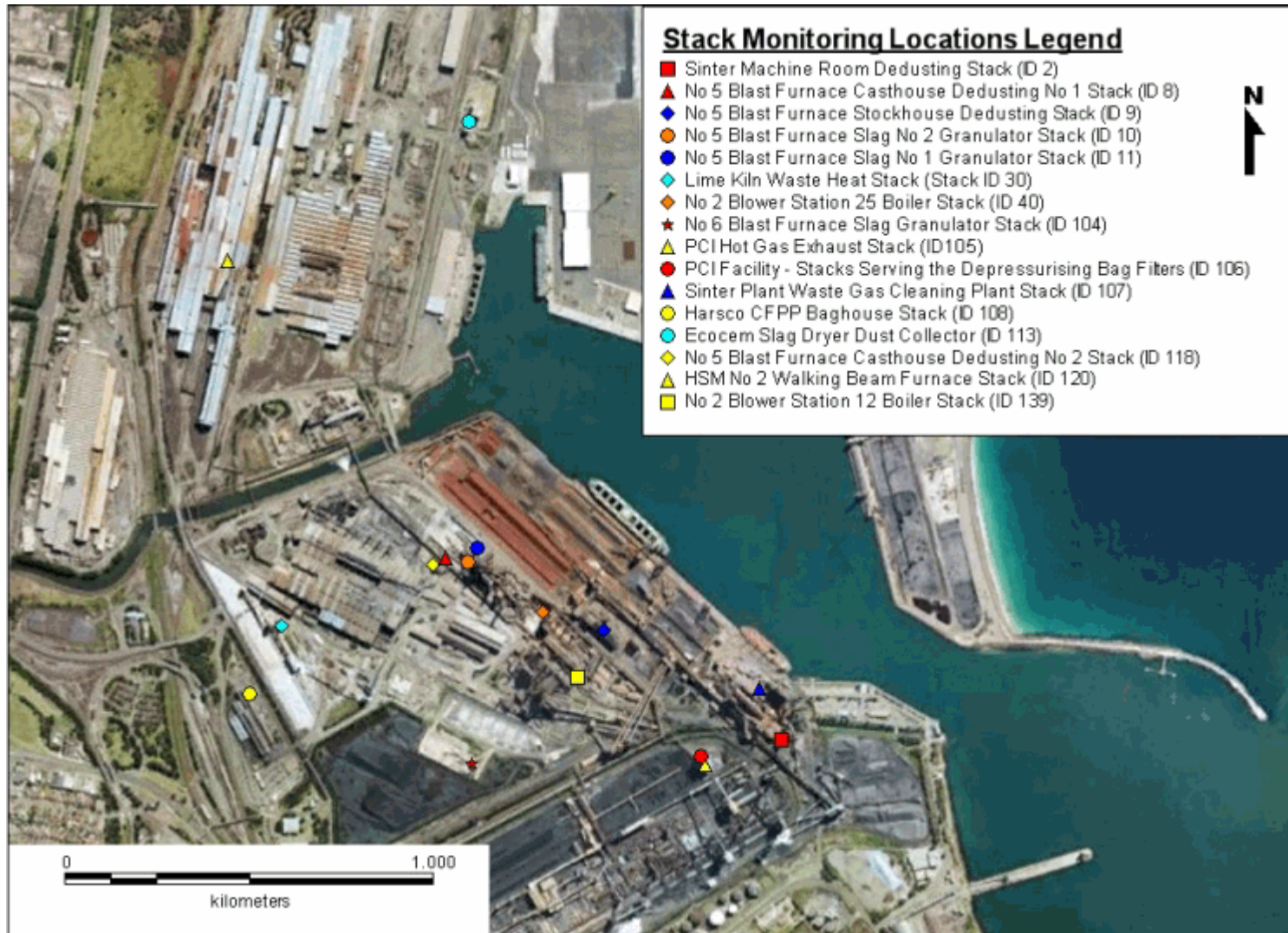
for

**1 Sep 2016 to 30 Sep 2016**

Monthly (September 2016) Report Published: 23, November, 2016

## Stack Air Monitoring Requirements

EPL6092 Conditions L2.4/M2.2/M2.3/M8.2/E1.4/O4.14/O4.15



**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	26.00	26.00	50.00	no
<b>Comment:</b>							

**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	17.00	17.00	50.00	no
<b>Comment:</b>							

**Point 18:**

Pollutant	Units of Measure	Monitoring frequency required by licence	No. of times measured during month	Min. Value	Mean Value	Median Value	Max. Value
Hydrogen Sulphide	Milligrams per cubic metre	Quarterly	4	2.70	3.65	3.70	4.50
<b>Comment:</b>							

**Point 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>				

**Point 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 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	0.6	0.2	7.5
<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	1.7	3.4	3.3	12.6
<b>Comment:</b>							



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## **Ambient Air Monitoring Requirements**

EPL6092 Condition M2.2/M2.3 (Cont.)

**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	4.7	13	10	46.6
Benzene	Parts per billion	Every 6 days	5	0.0280	0.0396	0.0350	0.0540
Iron	Micrograms per cubic metre	Every 6 days	5	0.24	0.89	0.59	2.60
Lead	Micrograms per cubic metre	Every 6 days	5	<0.05	0.03	0.03	<0.06
Particulates - Deposited Matter	Grams per square metre per month	Monthly	1	1.20	1.20	1.20	1.20
Polycyclic aromatic hydrocarbons	Nanograms per cubic metre	24 hour period every 6 days.	5	0.60	0.63	0.61	0.70
Total suspended particles	Micrograms per cubic metre	Every 6 days	5	5.50	13.56	9.00	32.00
Zinc	Micrograms per cubic metre	Every 6 days	5	<0.11	0.06	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	8.9	16.3	12.9	38.9
Benzene	Parts per billion	Every 6 days	5	0.0430	0.0546	0.0490	0.0740
Iron	Micrograms per cubic metre	Every 6 days	5	0.60	1.14	1.30	1.80
Lead	Micrograms per cubic metre	Every 6 days	5	<0.05	0.03	0.03	<0.06
Particulates - Deposited Matter	Grams per square metre per month	Monthly	1	1.60	1.60	1.60	1.60
Polycyclic aromatic hydrocarbons	Nanograms per cubic metre	24 hour period every 6 days.	5	0.60	0.66	0.61	0.84
Total suspended particles	Micrograms per cubic metre	Every 6 days	5	13.00	18.60	19.00	24.00
Zinc	Micrograms per cubic metre	Every 6 days	5	<0.11	0.06	0.06	<0.11
<b>Comment:</b>							



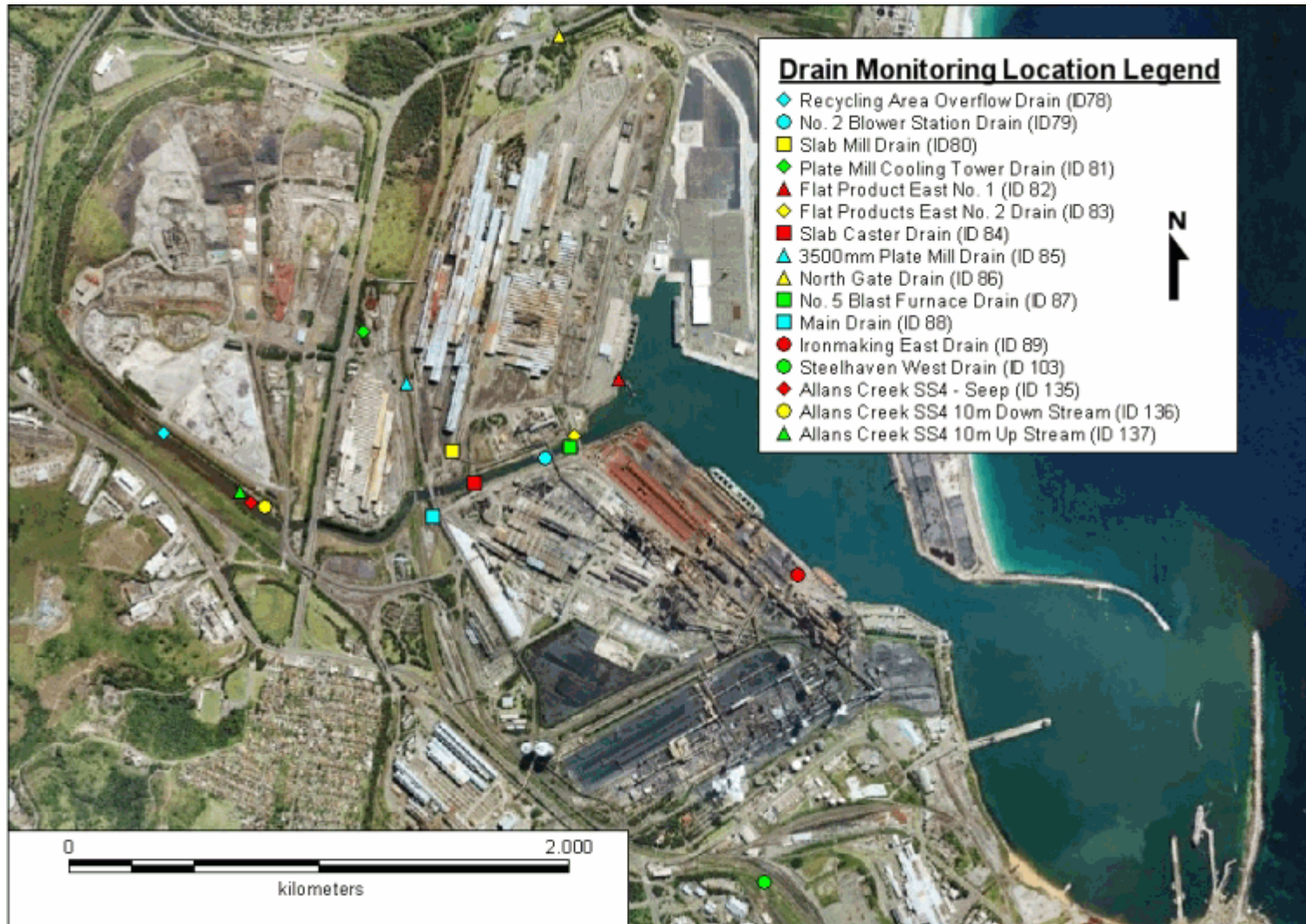


**Point 153: Receiver 3 (located west of licensed site)**

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	0.44	1.17	1.20	2.00
Lead	Micrograms per cubic metre	Every 6 days	5	<0.05	0.06	0.03	0.14
Total suspended particles	Micrograms per cubic metre	Every 6 days	5	7.50	18.70	20.00	26.00
Zinc	Micrograms per cubic metre	Every 6 days	5	<0.11	0.06	0.06	<0.11
<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	0.00	0.00	0.00	0.00
<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	4	<0.0600	<0.0600	5.0 (5.0)	no
Cyanide	Milligrams per litre	Every 8 days	4	<0.0200	<0.0200	0.30 (0.30)	no
Filtrable Iron	Milligrams per litre	Every 8 days	4	<0.0100	0.0100	0.3 (0.3)	no
Oil and Grease	Milligrams per litre	Every 8 days	4	<5.0000	<5.0000	20 (50)	no
pH		Every 8 days	4	7.90	8.00	6.5-9.0 (6.5-9.0)	no
Temperature	Degrees Celcius	Every 8 days	4	18.00	24.00	40 (40)	no
Total Iron	Milligrams per litre	Every 8 days	4	0.0600	0.2200	3 (50)	no
Total Suspended Solids	Milligrams per litre	Every 8 days	4	6.00	19.00	50 (500)	no
Total Zinc	Milligrams per litre	Every 8 days	4	<0.0500	<0.0500	3 (3)	no
Volume of Liquids Discharged	Kilolitres per day	Daily	Continuous	550,384.00	721,268.00		
<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.	4	<0.0200	0.2600*	0.10 (0.00)	yes*
pH		6/yr. Min 50 days apart.	4	7.30	8.40	6.5-9.0 (0.0-0.0)	no
Volume of Liquids Discharged	Kilolitres per day	Daily	Continuous	570.00	6,069.00		
<b>Comment: * The Exceedance occurred on 25/9/16 and is associated with an operational incident that is currently under investigation.</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	0.00	1,534.00		
<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	0.00	594.00		
<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	<5.0000	<5.0000	20.0000	no
pH		24/year. Min 15 days apart	2	7.90	7.90	6.5-9.0	no
Temperature	Degrees Celcius	24/year. Min 15 days apart	2	20.00	20.00	35.00	no
Total Suspended Solids	Milligrams per litre	24/year. Min 15 days apart	2	3.60	18.00	50.00	no
Volume of Liquids Discharged	Kilolitres per day	Daily	Continuous	31,245.00	35,091.00		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	<0.0600	<0.0600	10.0 (10.0)	no
Cyanide	Milligrams per litre	Every 8 days	4	<0.0200	<0.0200	0.30 (0.30)	no
Filtrable Iron	Milligrams per litre	Every 8 days	4	<0.0100	<0.0100	1.5 (1.5)	no
Lead	Milligrams per litre	Every 8 days	4	<0.020	0.030	0.5 (0.5)	no
Mercury	Micrograms per litre	Every 8 days	4	<0.50	<0.50	1.5 (1.5)	no
pH		Every 8 days	4	7.90	8.10	6.5-11.0 (6.5-11.0)	no
Temperature	Degrees Celcius	Every 8 days	4	17.00	21.00	40 (40)	no
Total Iron	Milligrams per litre	Every 8 days	4	0.0900	2.6000	7 (100)	no
Total Suspended Solids	Milligrams per litre	Every 8 days	4	17.00	49.00	70 (500)	no
Volume of Liquids Discharged	Kilolitres per day	Daily	Continuous	1,710.00	2,145.00		
<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	4	<0.0600	<0.0600	7.5 (7.5)	no
Ammonia	Tonnes per day	Every 8 days	4	0.0	0.0	1.200	no
Cyanide	Kilograms per day	Every 8 days	4	0.0	0.0	27.00	no
Cyanide	Milligrams per litre	Every 8 days	4	<0.0200	<0.0200	0.30 (0.30)	no
Oil and Grease	Milligrams per litre	Every 8 days	4	<5.0000	<5.0000	20 (50)	no
Oil and Grease	Tonnes per day	Every 8 days	4	0.0	0.0	2.50	no
pH		Every 8 days	4	7.90	8.00	6.5-9.0 (6.5-9.0)	no
Phenol	Kilograms per day	Every 8 days	4	0.0	0.0	35.00	no
Phenol	Milligrams per litre	Every 8 days	4	<0.2000	<0.2000	0.45 (0.45)	no
Temperature	Degrees Celcius	Every 8 days	4	17.00	18.00	40 (40)	no
Total Suspended Solids	Milligrams per litre	Every 8 days	4	4.00	28.00	100 (200)	no
Total Suspended Solids	Tonnes per day	Every 8 days	4	0.61	4.18	12.00	no
Total Zinc	Kilograms per day	Every 8 days	4	0.0	0.0	35.00	no
Total Zinc	Milligrams per litre	Every 8 days	4	<0.0500	<0.0500	3 (3)	no
Volume of Liquids Discharged	Kilolitres per day	Daily	Continuous	85,555.00	210,007.00		
<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) *
Ammonia	Milligrams per litre	Daily during any discharge	2	1.6000	1.6000	7.0 (7.0)	no
Copper	Milligrams per litre	Daily during any discharge	2	<0.010	<0.010	1.000	no
Cyanide	Milligrams per litre	Daily during any discharge	2	<0.0050	<0.0050	0.20 (0.20)	no
Filtrable Iron	Milligrams per litre	Daily during any discharge	2	<0.0100	0.1400	0.5 (0.5)	no
Fluoride	Milligrams per litre	Daily during any discharge	2	3.40	3.60	50 (50)	no
pH		Daily during any discharge	2	7.90	8.40	6.5-9.0 (6.5-9.0)	no
Temperature	Degrees Celcius	Daily during any discharge	2	18.00	22.00	45 (45)	no
Total Iron	Milligrams per litre	Daily during any discharge	2	0.9200	4.5000	7 (20)	no
Total Suspended Solids	Milligrams per litre	Daily during any discharge	2	13.00	26.00	100 (200)	no
Total Zinc	Milligrams per litre	Daily during any discharge	2	0.1100	0.1500	3 (3)	no
Volume of Liquids Discharged	Kilolitres per day	Daily	Continuous	0.00	448.00		
<b>Comment:</b>							