



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

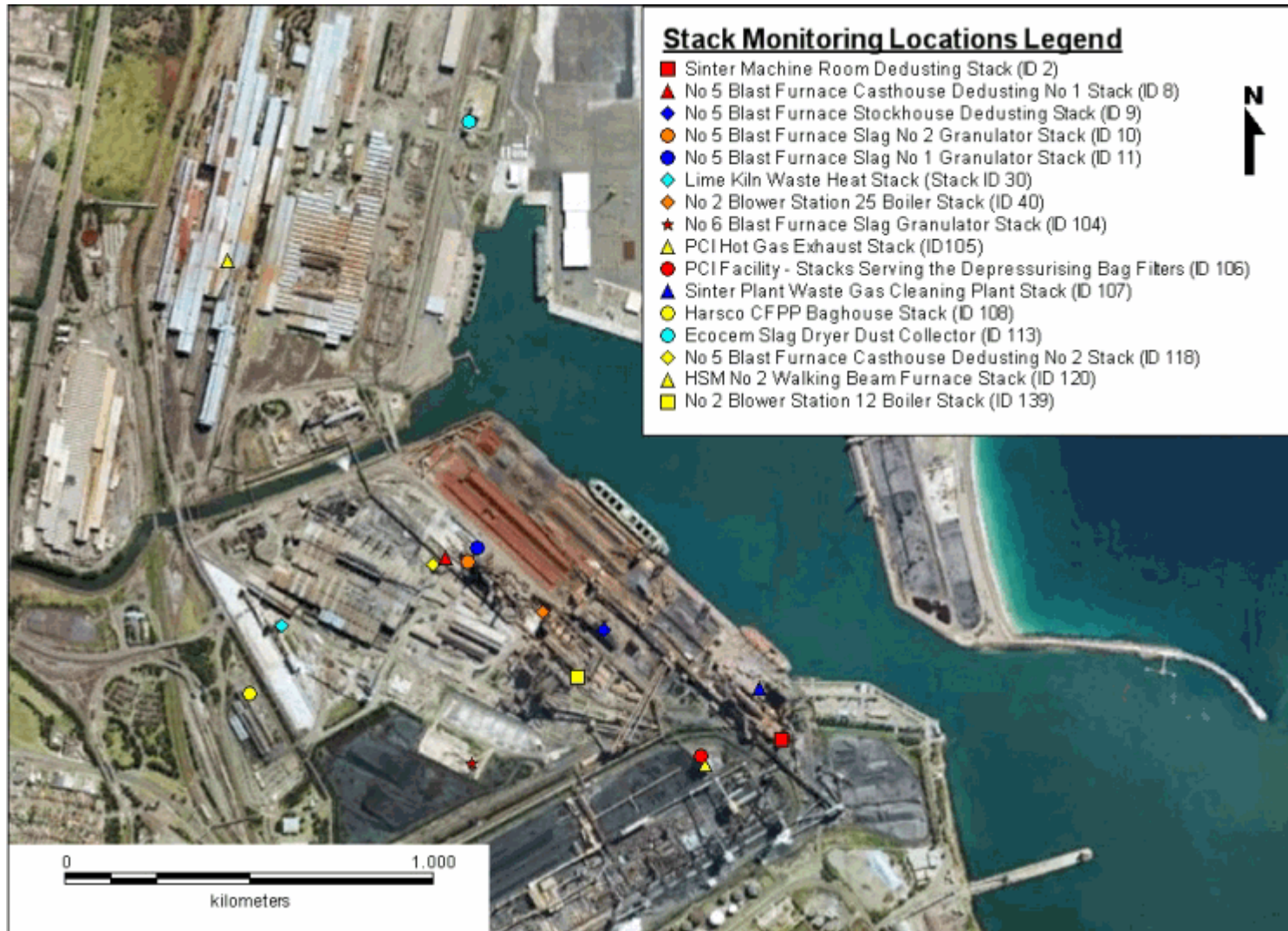
**1 Mar 2020 to 31 Mar 2020**

Monthly (March 2020) Report Published: 30, April, 2020

Date Obtained: 11/05/20

## Stack Air Monitoring Requirements

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





**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	3.1	3.1	6.9
<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				
<b>Comment:</b> Sinter Plant by-pass of Point 107 occurred during the month of March.							

**Point 151:**

Pollutant	Units of Measure	Monitoring frequency required by licence	No. of times measured during month	Min. Value	Mean Value	Median Value	Max Value
Solid Particles	Milligrams per cubic metre	Continuous	Continuous	1.6	9.8	10.1	27.6
<b>Comment:</b>							



**Point 151 (3A Side):**

Pollutant	Units of Measure	Monitoring frequency required by licence	No. of times measured	Min. Value	Mean Value	Max. Value	100 Percentile Limit	Exceedance (yes/no)
Carbon dioxide	percent	Weekly	45	6.1	7.4	8.5	-	-
Dioxins & Furans	nanograms per cubic metre	Weekly	4	0.14	0.25	0.43	0.3	Yes*
Dry Gas Density	kilograms per cubic metre	Daily during testing	71	1.33	1.34	1.35	-	-
Flow	cubic metres per second	Daily during testing	71	190	230	250	-	-
Hydrogen Chloride	milligrams per cubic metre	Weekly	4	31	34	37	-	-
Hydrogen Fluoride	milligrams per cubic metre	Weekly	4	2.8	3.1	3.4	-	-
Moisture content	percent	Daily during testing	71	9	11	12	-	-
Molecular weight of stack gas	grams per gram mole	Daily during testing	71	29.9	30.1	30.3	-	-
Nitrogen Oxides	milligrams per cubic metre	Weekly	33	305	327	365	2000	No
Oxygen	percent	Daily during testing	47	15	15	16	-	-
Solid Particles	milligrams per cubic metre	Weekly	5	1.8	2.7	3.5	20	No

Pollutant	Units of Measure	Monitoring frequency required by licence	No. of times measured	Min. Value	Mean Value	Max. Value	100 Percentile Limit	Exceedance (yes/no) *
Sulphuric acid mist and sulphur trioxide (SO <sub>2</sub> )	milligrams per cubic metre	Weekly	5	30	60	72	100	No
Sulphur dioxide	milligrams per cubic metre	Weekly	36	308	390	500	1000	No
Temperature	degrees Celsius	Daily during testing	71	165	172	184	-	-
Velocity	metres per second	Daily during testing	71	11	13	14	-	-
Volumetric flowrate	cubic metres per second	Daily during testing	71	190	230	250	-	-
Type 1 Substances	milligrams per cubic metre	Weekly	5	0.048	0.050	0.052	-	-
Type 2 Substances	milligrams per cubic metre	Weekly	5	0.014	0.024	0.034	-	-

\*1 exceedance recorded on 26/3/20

**Point 151 (3B Side):**

Pollutant	Units of Measure	Monitoring frequency required by licence	No. of times measured	Min. Value	Mean Value	Max. Value	100 Percentile Limit	Exceedance (yes/no) *
Solid Particles	milligrams per cubic metre	Weekly	5	2.9	6.3	13	20	No



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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	4	0.022	0.0392	0.0320	0.071
Fine Particulates	Micrograms per cubic metre	Continuous	Continuous	8	20	17	48
Iron	Micrograms per cubic metre	Every 6 days	5	0.45	3.42	0.84	8
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	1.7	1.7	1.70	1.7
Polycyclic aromatic hydrocarbons	Nanograms per cubic metre	24 hour period every 6 days.	5	0.6	0.636	0.61	0.75
Total suspended particles	Micrograms per cubic metre	Every 6 days	5	20	43	31	74
Zinc	Micrograms per cubic metre	Every 6 days	5	<0.11	0.183	0.06	0.54
<b>Comment:</b>							



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

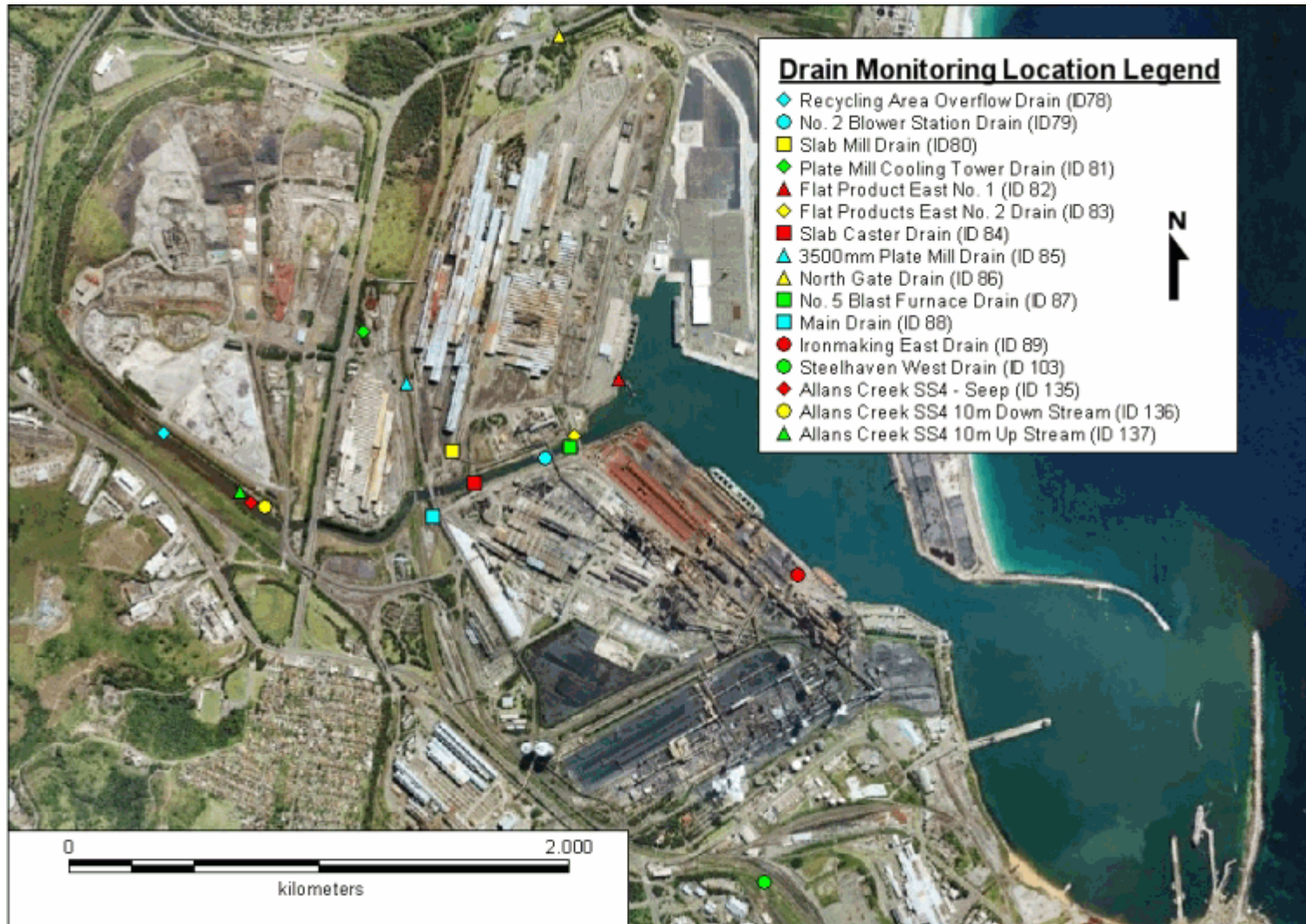
Pollutant	Units of Measure	Monitoring frequency required by licence	No. of times measured during month	Min. Value	Mean Value	Median Value	Max. Value
Benzene	Parts per billion	Every 6 days	5	<0.01	0.0534	0.070	0.081
Fine Particulates	Micrograms per cubic metre	Continuous	Continuous	12	19	18	30
Iron	Micrograms per cubic metre	Every 6 days	5	0.62	2.324	2.10	4.6
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	2.1	2.1	2.10	2.1
Polycyclic aromatic hydrocarbons	Nanograms per cubic metre	24 hour period every 6 days.	5	0.61	1.116	1.10	1.6
Total suspended particles	Micrograms per cubic metre	Every 6 days	5	32	45	39	73
Zinc	Micrograms per cubic metre	Every 6 days	5	<0.11	<0.11	0.06	0.21
<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	0.58	1.616	1.30	2.9
Lead	Micrograms per cubic metre	Every 6 days	5	<0.055	<0.055	0.03	<0.056
Total suspended particles	Micrograms per cubic metre	Every 6 days	5	33	41	40	51
Zinc	Micrograms per cubic metre	Every 6 days	5	<0.11	<0.11	0.06	0.12
<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	10	<0.06	<0.06	5.0 (5.0)	no
Cyanide	Milligrams per litre	Every 8 days	10	<0.02	<0.02	0.30 (0.30)	no
Filtrable Iron	Milligrams per litre	Every 8 days	10	<0.01	<0.01	0.3 (0.3)	no
Oil and Grease	Milligrams per litre	Every 8 days	10	<5	<5	20 (50)	no
pH		Every 8 days	10	8.1	8.3	6.5-9.0 (6.5-9.0)	no
Temperature	Degrees Celcius	Every 8 days	10	25	29	40 (40)	no
Total Iron	Milligrams per litre	Every 8 days	10	0.11	0.69	3 (50)	no
Total Suspended Solids	Milligrams per litre	Every 8 days	10	<3	20	50 (500)	no
Total Zinc	Milligrams per litre	Every 8 days	10	<0.05	<0.05	3 (3)	no
Volume of Liquids Discharged	Kilolitres per day	Daily	Continuous	489790	692686		
<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	7.8	7.8	6.5-9.0 (0.0-0.0)	no
Volume of Liquids Discharged	Kilolitres per day	Daily	Continuous	848	3614		
<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	191	1691		
<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	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	no
pH		24/year. Min 15 days apart	2	8.1	8.2	6.5-9.0	no
Temperature	Degrees Celcius	24/year. Min 15 days apart	2	23	23	35	no
Total Suspended Solids	Milligrams per litre	24/year. Min 15 days apart	2	3	6	50	no
Volume of Liquids Discharged	Kilolitres per day	Daily	Continuous	35844	39098		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	7.3	10.0 (10.0)	no
Cyanide	Milligrams per litre	Every 8 days	4	<0.02	0.035	0.30 (0.30)	no
Filtrable Iron	Milligrams per litre	Every 8 days	4	<0.01	0.02	1.5 (1.5)	no
Lead	Milligrams per litre	Every 8 days	4	<0.02	0.03	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	8.1	8.5	6.5-11.0 (6.5-11.0)	no
Temperature	Degrees Celcius	Every 8 days	4	21	24	40 (40)	no
Total Iron	Milligrams per litre	Every 8 days	4	0.16	1.4	7 (100)	no
Total Suspended Solids	Milligrams per litre	Every 8 days	4	<3	18	70 (500)	no
Volume of Liquids Discharged	Kilolitres per day	Daily	Continuous	675	2073		
<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	<0.06	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	8.1	6.5-9.0 (6.5-9.0)	no
Temperature	Degrees Celcius	24/year. Min 15 days apart	3	21	21	40 (40)	no
Total Suspended Solids	Milligrams per litre	24/year. Min 15 days apart	4	<3	18	100 (200)	no
Total Zinc	Milligrams per litre	24/year. Min 15 days apart	3	<0.05	<0.05	3 (3)	no
Volume of Liquids Discharged	Kilolitres per day	Daily	Continuous	28473	37063		
<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>							