



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 Apr 2022 to 30 Apr 2022

Monthly (April 2022) Report Published: 25, July, 2022 (amended)

Stack Air Monitoring Requirements

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





Point 40:

Pollutant	Units of Measure	Monitoring frequency required by licence	No. of times measured during month	Min. Value	Max Value	100 Percentile Limit	Exceedance (years / no) *
Dry Gas Density	Kilograms per cubic metre	Yearly	2	1.41	1.41		no
Moisture	Percent	Yearly	2	7.7	7.7		no
Molecular Weight of stack gases	grams per gram mole	Yearly	2	31.6	31.6		no
Temperature	Degrees Celcius	Yearly	2	170	170		no
Velocity	Metres per second	Yearly	2	10	10		no
Volumetric flowrate	Cubic metres per second	Yearly	2	62	62		no
Comment:							

Point 105:

Pollutant	Units of Measure	Monitoring frequency required by licence	No. of times measured during month	Min. Value	Max Value	100 Percentile Limit	Exceedance (years / no) *
Nitrogen Oxides (3% Oxygen correction)	Milligrams per cubic metre	Yearly	1	<5	<5	200.00	no
Solid Particles (3% Oxygen correction)	Milligrams per cubic metre	Yearly	1	5.3	5.3	20.00	no
Comment:							

Point 106:

Pollutant	Units of Measure	Monitoring frequency required by licence	No. of times measured during month	Min. Value	Max Value	100 Percentile Limit	Exceedance (years / no) *
Solid Particles	Milligrams per cubic metre	Yearly	1	<2	<2	20.00	no
Comment: PCI Depressurising Bag Filter (West)							



Point 139:

Pollutant	Units of Measure	Monitoring frequency required by licence	No. of times measured during month	Min. Value	Max Value	100 Percentile Limit	Exceedance (ye s / no) *
Dry Gas Density	Kilograms per cubic metre	Every 2 years	4	1.32	1.32		no
Moisture	Percent	Every 2 years	4	12	12		no
Molecular Weight of stack gases	grams per gram mole	Every 2 years	4	29.6	29.6		no
Nitrogen Oxides (3% Oxygen correction)	Milligrams per cubic metre	Every 2 years	3	56	57	200.00	no
Oxygen (O2)	Percent	Every 2 years	3	8.5	8.7		no
Temperature	Degrees Celcius	Every 2 years	4	132	132		no
Velocity	Metres per second	Every 2 years	4	4.8	4.8		no
Volumetric flowrate	Cubic metres per second	Every 2 years	4	8	8		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 (ye s / no) *
Dry Gas Density	Kilograms per cubic metre	Quarterly	8	1.29	1.29		no
Hydrogen Sulphide	Grams per second	Quarterly	1	0.61	0.61	1.20	no
Moisture	Percent	Quarterly	8	4	16		no
Molecular Weight of stack gases	grams per gram mole	Quarterly	8	28.9	28.9		no
Temperature	Degrees Celcius	Quarterly	8	29	55		no
Velocity	Metres per second	Quarterly	8	2.2	3.6		no
Volumetric flowrate	Cubic metres per second	Quarterly	9	24	32		no
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	2.5	2.2	37.7
Comment: Elevated results associated with plant shutdown and startup							

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	0.9	6.5	5.7	34.4
Comment: Elevated results associated with plant shutdown and startup							



Ambient Air Monitoring Requirements

EPL6092 Condition M2.2/M2.3/O4.12, O4.13 and O4.14

O4.12

Pollutant	Monitoring frequency required by licence	No of significant emissions measured during month	100 Percentile Limit	Exceedance (yes/no) *
Emission - BOS Roof Emission DER 5	Monthly	0	4	no
Comment:				

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
Comment:				

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
Comment:				



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	5	0.030	0.050	0.038	0.1
Fine Particulates	Micrograms per cubic metre	Continuous	Continuous	4	12	12	31
Iron	Micrograms per cubic metre	Every 6 days	5	0.099	1.3	0.39	4.3
Lead	Micrograms per cubic metre	Every 6 days	5	<0.054	<0.054	0.03	<0.055
Particulates - Deposited Matter	Grams per square metre per month	Monthly	1	0.89	0.89	0.89	0.89
Polycyclic aromatic hydrocarbons	Nanograms per cubic metre	24 hour period every 6 days.	5	1.4	1.4	1.4	1.4
Total suspended particles	Micrograms per cubic metre	Every 6 days	5	10	23	18	49
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	5	<0.11	0.13	0.06	0.35
Comment:							



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

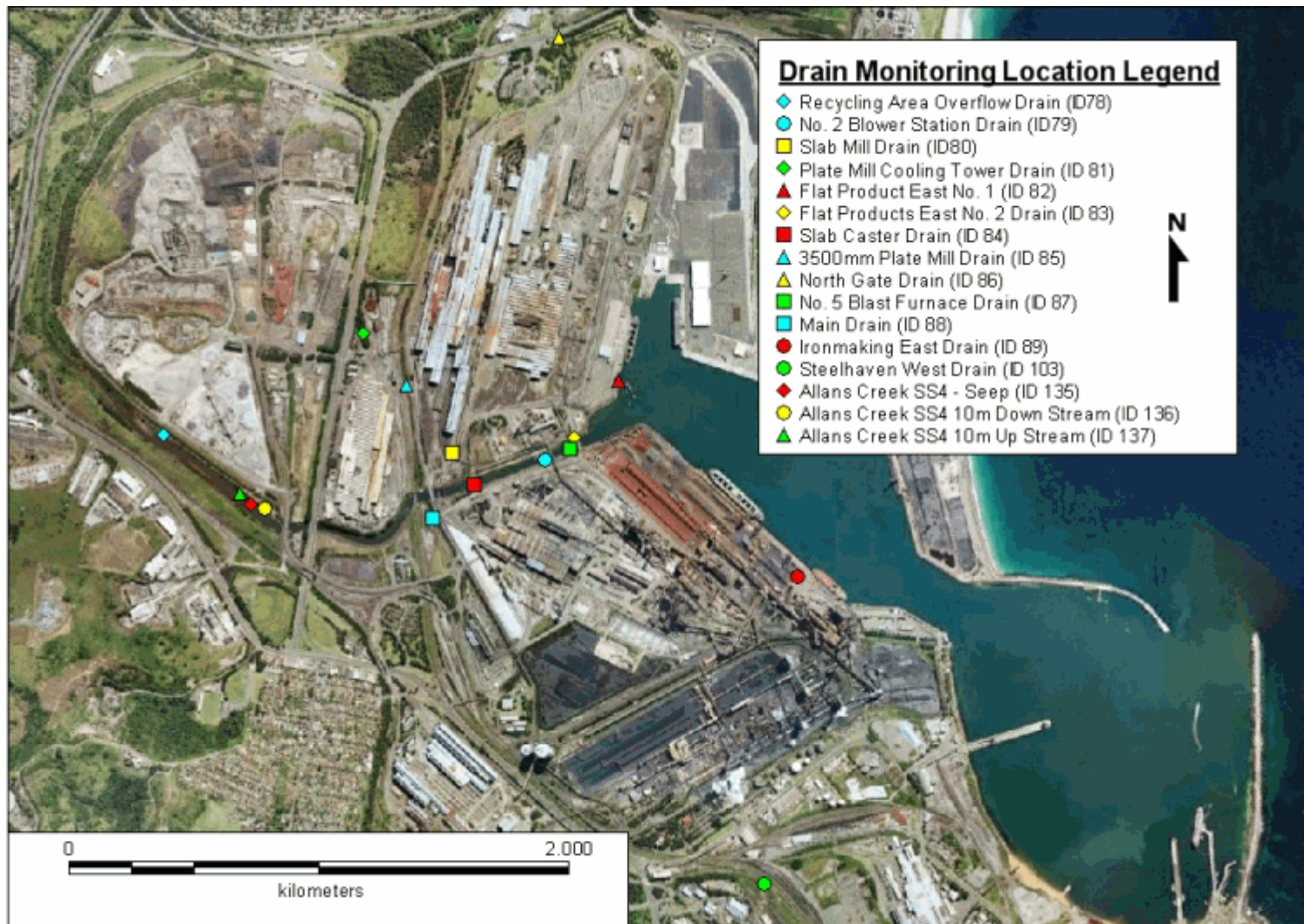
Pollutant	Units of Measure	Monitoring frequency required by licence	No. of times measured during month	Min. Value	Mean Value	Median Value	Max. Value
5	Parts per billion	Every 6 days		0.055	0.076	0.075	0.094
Fine Particulates	Micrograms per cubic metre	Continuous	Continuous	8	20	16	89
Iron	Micrograms per cubic metre	Every 6 days	5	0.83	1.4	0.83	2.2
Lead	Micrograms per cubic metre	Every 6 days	5	<0.054	<0.054	0.03	<0.055
Particulates - Deposited Matter	Grams per square metre per month	Monthly	1	0.92	0.92	0.92	0.92
Polycyclic aromatic hydrocarbons	Nanograms per cubic metre	24 hour period every 6 days.	5	1.4	1.4	1.4	1.4
Total suspended particles	Micrograms per cubic metre	Every 6 days	5	18	26	26	36
Type 1 and Type 2 substances in aggregate	Micrograms per cubic metre	Quarterly	1	0.09	0.09	0.09	0.09
Zinc	Micrograms per cubic metre	Every 6 days	5	<0.11	0.18	0.20	0.26
Comment:							

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	0.63	1.6	1.2	3.8
Lead	Micrograms per cubic metre	Every 6 days	5	<0.054	<0.054	0.03	<0.055
Total suspended particles	Micrograms per cubic metre	Every 6 days	5	16	28	19	46
Type 1 and Type 2 substances in aggregate	Micrograms per cubic metre	Quarterly	1	0.13	0.13	0.13	0.13
Zinc	Micrograms per cubic metre	Every 6 days	5	<0.11	<0.11	0.06	<0.11
Comment:							

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	89.567	0.00	1613
Comment:							

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 (years / no) *
Ammonia	Milligrams per litre	Every 8 days	7	<0.06	0.23	5.0 (5.0)	no
Cyanide	Milligrams per litre	Every 8 days	7	<0.02	<0.02	0.30 (0.30)	no
Filtrable Iron	Milligrams per litre	Every 8 days	7	<0.013	0.039	0.3 (0.3)	no
Oil and Grease	Milligrams per litre	Every 8 days	7	<5	<5	20 (50)	no
pH		Every 8 days	7	8	8.4	6.5-9.0 (6.5-9.0)	no
Temperature	Degrees Celcius	Every 8 days	7	24	30	40 (40)	no
Total Iron	Milligrams per litre	Every 8 days	7	0.15	3.3	3 (50)	if dry
Total Suspended Solids	Milligrams per litre	Every 8 days	7	5	90	50 (500)	if dry
Total Zinc	Milligrams per litre	Every 8 days	7	<0.125	<0.125	3 (3)	no
Volume of Liquids Discharged	Kilolitres per day	Daily	Continuous	600981	712880		
Comment: Maximum values for Total Iron and TSS obtained on 7/4/22 - wet weather limits applied							

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 (years / 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	1874	29189		
Comment:							



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 (years / no) *
Volume of Liquids Discharged	Kilolitres per day	Daily	Continuous	507	9420		
Comment:							

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 (years / no) *
Volume of Liquids Discharged	Kilolitres per day	Daily	Continuous	0	1987		
Comment:							

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 (years / 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	8.2	6.5-9.0	no
Temperature	Degrees Celcius	24/year. Min 15 days apart	2	21.5	23	35.00	no
Total Suspended Solids	Milligrams per litre	24/year. Min 15 days apart	2	18	28	50.00	no
Volume of Liquids Discharged	Kilolitres per day	Daily	Continuous	31583	47006		no
Comment:							



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 (years / 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	<0.013	0.05	1.5 (1.5)	no
Lead	Milligrams per litre	Every 8 days	3	<0.003	0.017	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	8.2	8.6	6.5-11.0 (6.5-11.0)	no
Temperature	Degrees Celcius	Every 8 days	3	19.5	24	40 (40)	no
Total Iron	Milligrams per litre	Every 8 days	3	0.38	9.4	7 (100)	if dry
Total Suspended Solids	Milligrams per litre	Every 8 days	3	10	104	70 (500)	if dry
Volume of Liquids Discharged	Kilolitres per day	Daily	Continuous	2048	2798		
Comment: Maximum values for Total Iron and TSS obtained on 7/4/22 - wet weather limits applied.							

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 (years / no) *
Ammonia	Milligrams per litre	24/year. Min 15 days apart	3	<0.06	0.23	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	7.8	8.1	6.5-9.0 (6.5-9.0)	no
Temperature	Degrees Celcius	24/year. Min 15 days apart	3	18.5	22	40 (40)	no
Total Suspended Solids	Milligrams per litre	24/year. Min 15 days apart	3	8	180	100 (200)	if dry
Total Zinc	Milligrams per litre	24/year. Min 15 days apart	3	<0.125	0.13	3 (3)	no
Volume of Liquids Discharged	Kilolitres per day	Daily	Continuous	50897	346224		
Comment: Maximum values for TSS obtained on 7/4/22 - wet weather limits applied							



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 (years / no) *
Copper	Milligrams per litre	Special frequency 11	1	<0.013	<0.013	1.000	no
Total Suspended Solids	Milligrams per litre	Special frequency 11	1	65	65	100 (200)	no
Total Zinc	Milligrams per litre	Special frequency 11	1	0.31	0.31	3 (3)	no
Volume of Liquids Discharged	Kilolitres per day	Daily	Continuous	0	36178		
Comment:							