



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 Jun 2015 to 30 Jun 2015

Monthly (June 2015) Report Published: 23, July, 2015

Stack Air Monitoring Requirements

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



Point 108:

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) *
Cadmium	Milligrams per cubic metre	Yearly	2	<0.00039	<0.00040	1.00000	no
Dry Gas Density	Kilograms per cubic metre	Yearly	2	1.29	1.29		no
Mercury	Milligrams per cubic metre	Yearly	2	<0.000390	<0.000400	1.000000	no
Moisture	Percent	Yearly	2	1.50	1.60		no
Solid Particles	Milligrams per cubic metre	Yearly	2	2.00	2.20	20.00	no
Temperature	Degrees Celcius	Yearly	2	30.00	32.00		no
Type 1 and Type 2 substances in aggregate	Milligrams per cubic metre	Yearly	2	0.0099	0.0280	5.0000	no
Velocity	Metres per second	Yearly	2	7.90	8.20		no
Volumetric flowrate	Cubic metres per second	Yearly	2	5.60	5.90		no
Comment:							

Point 120:

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) *
Cadmium (7% Oxygen correction)	Milligrams per cubic metre	Yearly	1	<0.00052	<0.00052	0.10000	no
Carbon Dioxide	Percent	Yearly	2	1.900	2.700		no
Carbon Monoxide (7% Oxygen correction)	Milligrams per cubic metre	Yearly	2	<3.00	75.00	400.00	no
Dry Gas Density	Kilograms per cubic metre	Yearly	6	1.30	1.30		no
Mercury (7% Oxygen correction)	Milligrams per cubic metre	Yearly	1	<0.00052	<0.00052	0.10000	no
Moisture	Percent	Yearly	6	6.80	8.50		no
Molecular Weight of stack gases	grams per gram mole	Yearly	6	29.10	29.10		no
Nitrogen Oxides (7% Oxygen correction)	Milligrams per cubic metre	Yearly	2	503.00	509.00	650.00	no
Oxygen (O2)	Percent	Yearly	2	15.00	17.00		no
Solid Particles (7% Oxygen corrected)	Milligrams per cubic metre	Yearly	1	17.00	17.00	30.00	no
Sulphur Dioxide (7% Oxygen correction)	Milligrams per cubic metre	Yearly	2	571.00	654.00	1,250.00	no
Temperature	Degrees Celcius	Yearly	6	162.00	207.00		no
Type 1 and 2 substances in aggregate (7% Oxygen correction)	Milligrams per cubic metre	Yearly	1	0.0420	0.0420	1.0000	no
Velocity	Metres per second	Yearly	6	15.00	20.00		no
Volumetric flowrate	Cubic metres per second	Yearly	6	66.00	79.00		no

Comment:

Point O4.13:

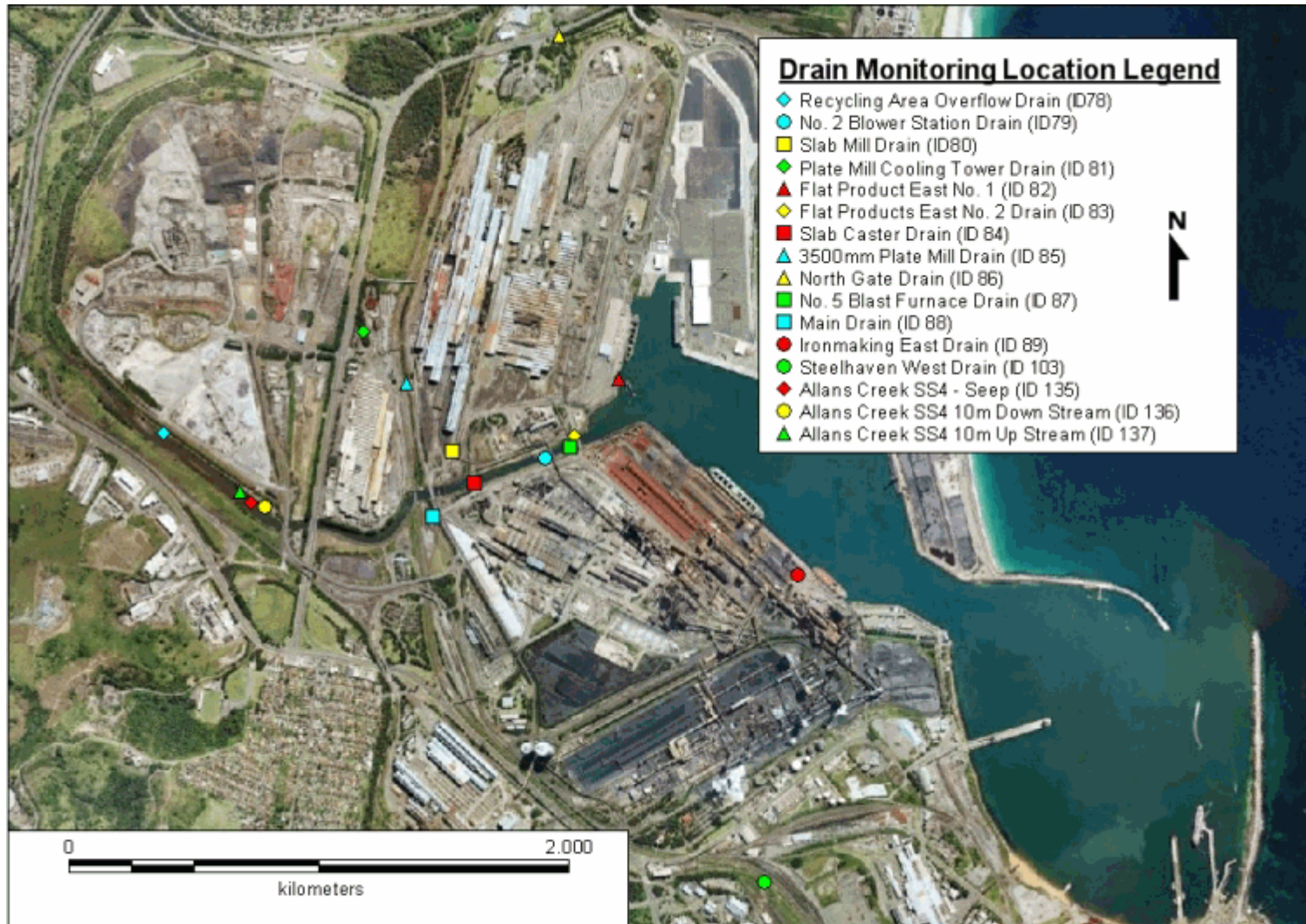
Pollutant	Monitoring frequency required by licence	No of significant emissions measured during month	100 Percentile Limit	Exceedance (yes/no) *
Emission - KISH Tipping DER 5	Monthly	0	4	no
Comment:				

Point 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
Comment:				

Water and/or Land Monitoring Requirements

EPL6092 Condition M2.4/M2.5/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
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 (yes / no) *
Ammonia	Milligrams per litre	Every 8 days	3	<0.0600	<0.0600	5.0 (5.0)	no
Cyanide	Milligrams per litre	Every 8 days	3	<0.0200	<0.0200	0.30 (0.30)	no
Filtrable Iron	Milligrams per litre	Every 8 days	3	<0.0100	<0.0100	0.3 (0.3)	no
Oil and Grease	Milligrams per litre	Every 8 days	3	<5.0000	<5.0000	20 (50)	no
pH		Every 8 days	3	8.20	8.20	6.5-9.0 (6.5-9.0)	no
Temperature	Degrees Celcius	Every 8 days	3	24.40	25.40	40 (40)	no
Total Iron	Milligrams per litre	Every 8 days	3	0.1190	0.1800	3 (50)	no
Total Suspended Solids	Milligrams per litre	Every 8 days	3	<3.00	5.60	50 (500)	no
Total Zinc	Milligrams per litre	Every 8 days	3	<0.0500	<0.0500	3 (3)	no
Volume of Liquids Discharged	Kilolitres per day	Daily	Continuous	494,643.00	666,184.00		
Comment:							

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	<0.0200	<0.0200	0.10 (0.00)	no
pH		6/yr. Min 50 days apart.	1	8.10	8.10	6.5-9.0 (0.0-0.0)	no
Volume of Liquids Discharged	Kilolitres per day	Daily	Continuous	896.00	4,419.00		
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 (yes / no) *
Volume of Liquids Discharged	Kilolitres per day	Daily	Continuous	69.00	1,200.00		
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 (yes / no) *
Volume of Liquids Discharged	Kilolitres per day	Daily	Continuous	0.00	343.00		
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 (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	8.20	8.20	6.5-9.0	no
Temperature	Degrees Celcius	24/year. Min 15 days apart	2	18.40	19.40	35.00	no
Total Suspended Solids	Milligrams per litre	24/year. Min 15 days apart	2	4.40	7.60	50.00	no
Volume of Liquids Discharged	Kilolitres per day	Daily	Continuous	26,976.00	38,746.00		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 (yes / no) *
Ammonia	Milligrams per litre	Every 8 days	3	<0.0600	<0.0600	10.0 (10.0)	no
Cyanide	Milligrams per litre	Every 8 days	3	<0.0200	<0.0200	0.30 (0.30)	no
Filtrable Iron	Milligrams per litre	Every 8 days	3	<0.0100	<0.0100	1.5 (1.5)	no
Lead	Milligrams per litre	Every 8 days	3	<0.020	0.020	0.5 (0.5)	no
Mercury	Micrograms per litre	Every 8 days	3	<0.50	<0.50	1.5 (1.5)	no
pH		Every 8 days	3	8.20	8.20	6.5-11.0 (6.5-11.0)	no
Temperature	Degrees Celcius	Every 8 days	3	18.40	18.40	40 (40)	no
Total Iron	Milligrams per litre	Every 8 days	3	0.1500	0.4000	7 (100)	no
Total Suspended Solids	Milligrams per litre	Every 8 days	3	<3.00	4.00	70 (500)	no
Volume of Liquids Discharged	Kilolitres per day	Daily	Continuous	2,497.00	2,762.00		
Comment:							

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	3	<0.0600	<0.0600	7.5 (7.5)	no
Ammonia	Tonnes per day	Every 8 days	3	0.0	0.0	1.200	no
Cyanide	Kilograms per day	Every 8 days	3	0.0	0.0	27.00	no
Cyanide	Milligrams per litre	Every 8 days	3	<0.0200	<0.0200	0.30 (0.30)	no
Oil and Grease	Milligrams per litre	Every 8 days	3	<5.0000	<5.0000	20 (50)	no
Oil and Grease	Tonnes per day	Every 8 days	3	0.0	0.0	2.50	no
pH		Every 8 days	3	8.20	8.20	6.5-9.0 (6.5-9.0)	no
Phenol	Kilograms per day	Every 8 days	3	0.0	0.0	35.00	no
Phenol	Milligrams per litre	Every 8 days	3	<0.2000	<0.2000	0.45 (0.45)	no
Temperature	Degrees Celcius	Every 8 days	3	21.40	25.40	40 (40)	no
Total Suspended Solids	Milligrams per litre	Every 8 days	3	<3.00	6.40	100 (200)	no
Total Suspended Solids	Tonnes per day	Every 8 days	3	0.26	0.88	12.00	no
Total Zinc	Kilograms per day	Every 8 days	3	0.0	0.0	35.00	no
Total Zinc	Milligrams per litre	Every 8 days	3	<0.0500	<0.0500	3 (3)	no
Volume of Liquids Discharged	Kilolitres per day	Daily	Continuous	123,574.00	184,651.00		
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) *
Ammonia	Milligrams per litre	Every 8 days	3	<0.0600	0.6800	7.0 (7.0)	no
Copper	Milligrams per litre	Every 8 days	3	<0.010	0.010	1.000	no
Cyanide	Milligrams per litre	Every 8 days	3	<0.0200	<0.0200	0.20 (0.20)	no
Filtrable Iron	Milligrams per litre	Every 8 days	3	<0.0100	0.0100	0.5 (0.5)	no
Fluoride	Milligrams per litre	Every 8 days	3	3.60	5.40	50 (50)	no
pH		Every 8 days	3	8.30	8.40	6.5-9.0 (6.5-9.0)	no
Temperature	Degrees Celcius	Every 8 days	3	18.40	20.40	45 (45)	no
Total Iron	Milligrams per litre	Every 8 days	3	0.5000	2.0000	7 (20)	no
Total Suspended Solids	Milligrams per litre	Every 8 days	3	<3.00	4.80	100 (200)	no
Total Zinc	Milligrams per litre	Every 8 days	3	0.0800	0.2300	3 (3)	no
Volume of Liquids Discharged	Kilolitres per day	Daily	Continuous	6,253.00	8,387.00		
Comment:							