



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 Jan 2015 to 31 Jan 2015

Monthly (January 2015) Report Published: 25, February, 2015

Stack Air Monitoring Requirements

EPL6092 Conditions M2.2/M2.3/M9.2/E1.4/O4.13/O4.14





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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	2	8.70	17.00	50.00	no
Comment:							

Point 107:

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) *
Arsenic	Milligrams per cubic metre	Quarterly in duplicate	2	0.00073	0.00074		no
Cadmium	Milligrams per cubic metre	Quarterly in duplicate	2	0.00038	0.00052		no
Carbon Dioxide	Percent	Quarterly in duplicate	24	4.100	7.300		no
Chromium (hexavalent)	Milligrams per cubic metre	Yearly in duplicate	2	<0.00070	<0.00070		no
Dioxins & Furans (15.7% Oxygen correction)	Nanograms per cubic metre	Quarterly in duplicate	2	0.003200	0.004700	0.300000	no
Dry Gas Density	Kilograms per cubic metre	Quarterly in duplicate	37	1.32	1.35		no
Fine Particulates	Milligrams per cubic metre	Quarterly in duplicate	1	2.70	2.70		no
Hydrogen Chloride	Milligrams per cubic metre	Quarterly in duplicate	1	28.00	28.00		no
Hydrogen Fluoride	Milligrams per cubic metre	Quarterly in duplicate	1	2.8000	2.8000		no
Lead	Milligrams per cubic metre	Quarterly in duplicate	2	0.0069	0.0100		no
Manganese	Milligrams per cubic metre	Quarterly in duplicate	2	0.0032	0.0068		no
Moisture	Percent	Quarterly in duplicate	37	12.00	17.00		no
Molecular Weight of stack gases	grams per gram mole	Quarterly in duplicate	37	29.70	30.10		no
Nickel	Milligrams per cubic metre	Quarterly in duplicate	2	0.00059	0.00095		no
Nitrogen Oxides	Milligrams per cubic metre	Quarterly	24	213.00	420.00	2,000.00	no
Oxygen (O2)	Percent	Quarterly in duplicate	24	15.00	18.00		no
Solid Particles	Milligrams per cubic metre	Quarterly in duplicate	4	3.00	10.00	20.00	no
Sulfuric acid mist and sulphur trioxide (as SO3)	Milligrams per cubic metre	Quarterly in duplicate	1	4.10	4.10	100.00	no
Sulphur Dioxide - UV	Milligrams per cubic metre	Quarterly	24	43.00	83.00	1,000.00	no
Temperature	Degrees Celcius	Quarterly in duplicate	37	130.00	139.00		no
Velocity	Metres per second	Quarterly in duplicate	37	15.00	17.00		no



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Point 107:

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) *
Volumetric flowrate	Cubic metres per second	Quarterly in duplicate	37	280.00	330.00		no
Comment:							

O4.13

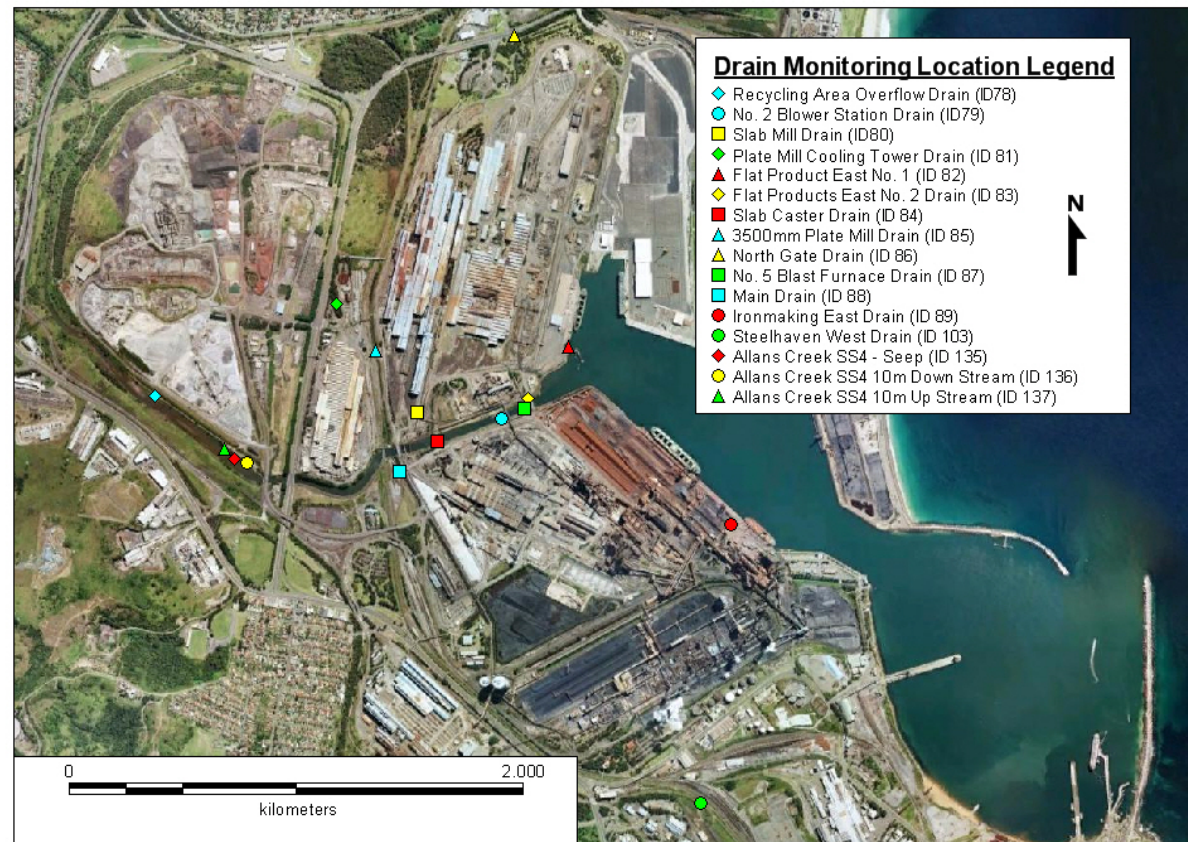
Pollutant	Monitoring frequency required by licence	No of significant emissions measured during month	100 Percentile Limit	Exceedance (yes/no) *
Emission - KISH Tipping DER 5	Monthly	0	4	no
Comment:				

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>3	Monthly	0	4	no
Comment:				

Water and/or Land Monitoring Requirements

EPL6092 Condition M2.4/M2.5/M9.1/M9.3



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	42.61	0.00	768.00
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	4	<0.0600	0.2300	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	0.0730	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	8.10	8.10	6.5-9.0 (6.5-9.0)	no
Temperature	Degrees Celcius	Every 8 days	4	28.00	31.00	40 (40)	no
Total Iron	Milligrams per litre	Every 8 days	4	0.1170	0.5010	3 (50)	no
Total Suspended Solids	Milligrams per litre	Every 8 days	4	<3.00	20.00	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	489,572.00	657,298.00		
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) *
Volume of Liquids Discharged	Kilolitres per day	Daily	Continuous	1,585.00	6,328.00		

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	99.00	3,320.00		

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	1,007.00		

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	8.00	8.10	6.5-9.0	no
Temperature	Degrees Celcius	24/year. Min 15 days apart	2	23.00	25.00	35.00	no
Total Suspended Solids	Milligrams per litre	24/year. Min 15 days apart	2	<3.00	<3.00	50.00	no
Volume of Liquids Discharged	Kilolitres per day	Daily	Continuous	28,714.00	31,424.00		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	4	<0.0600	0.9700	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	0.1030	1.5 (1.5)	no
Lead	Milligrams per litre	Every 8 days	4	<0.020	<0.020	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	8.00	8.20	6.5-11.0 (6.5-11.0)	no
Temperature	Degrees Celcius	Every 8 days	4	22.00	24.00	40 (40)	no
Total Iron	Milligrams per litre	Every 8 days	4	0.1150	0.8890	7 (100)	no
Total Suspended Solids	Milligrams per litre	Every 8 days	4	<3.00	22.00	70 (500)	no
Volume of Liquids Discharged	Kilolitres per day	Daily	Continuous	1,692.00	2,005.00		
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	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	8.10	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	25.00	34.00	40 (40)	no
Total Suspended Solids	Milligrams per litre	Every 8 days	5	<3.00	40.00	100 (200)	no
Total Suspended Solids	Tonnes per day	Every 8 days	5	0.19	6.53	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	122,456.00	173,581.00		
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	4	<0.0600	1.9000	7.0 (7.0)	no
Cyanide	Milligrams per litre	Every 8 days	4	<0.0200	<0.0200	0.20 (0.20)	no
Filtrable Iron	Milligrams per litre	Every 8 days	4	0.0140	0.0280	0.5 (0.5)	no
Fluoride	Milligrams per litre	Every 8 days	4	2.50	3.80	50 (50)	no
pH		Every 8 days	4	7.90	8.10	6.5-9.0 (6.5-9.0)	no
Temperature	Degrees Celcius	Every 8 days	4	22.00	27.00	45 (45)	no
Total Iron	Milligrams per litre	Every 8 days	4	0.2410	0.4210	7 (20)	no
Total Suspended Solids	Milligrams per litre	Every 8 days	4	3.20	27.00	100 (200)	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	8,938.00	16,111.00		
Comment:							