



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**  
**ANNUAL SUMMARY REPORT**

for period

**1 Jul 2013 to 30 Jun 2014**

## Stack Air Monitoring Requirements

EPL6092 Conditions M2.2/M2.3/8.2/E1.4



**Point 107:**

Pollutant	Units of Measure	Monitoring frequency required by licence	No. of times measured during year	Annual Load
Benzene	Tonnes/annum	Annually	1	5.0
Benzo (a) pyrene	Tonnes/annum	Annually	1	0.00052
Fine Particulates	Tonnes/annum	Annually	1	13.5
Nitrogen Oxides	Tonnes/annum	Annually	1	2,372
Sulphur Dioxide - UV	Tonnes/annum	Annually	1	485.2
Volatile organic compounds	Tonnes/annum	Annually	1	0.8
Coarse Particulates	Tonnes/annum	Annually	1	51.2
<b>Comment:</b>				

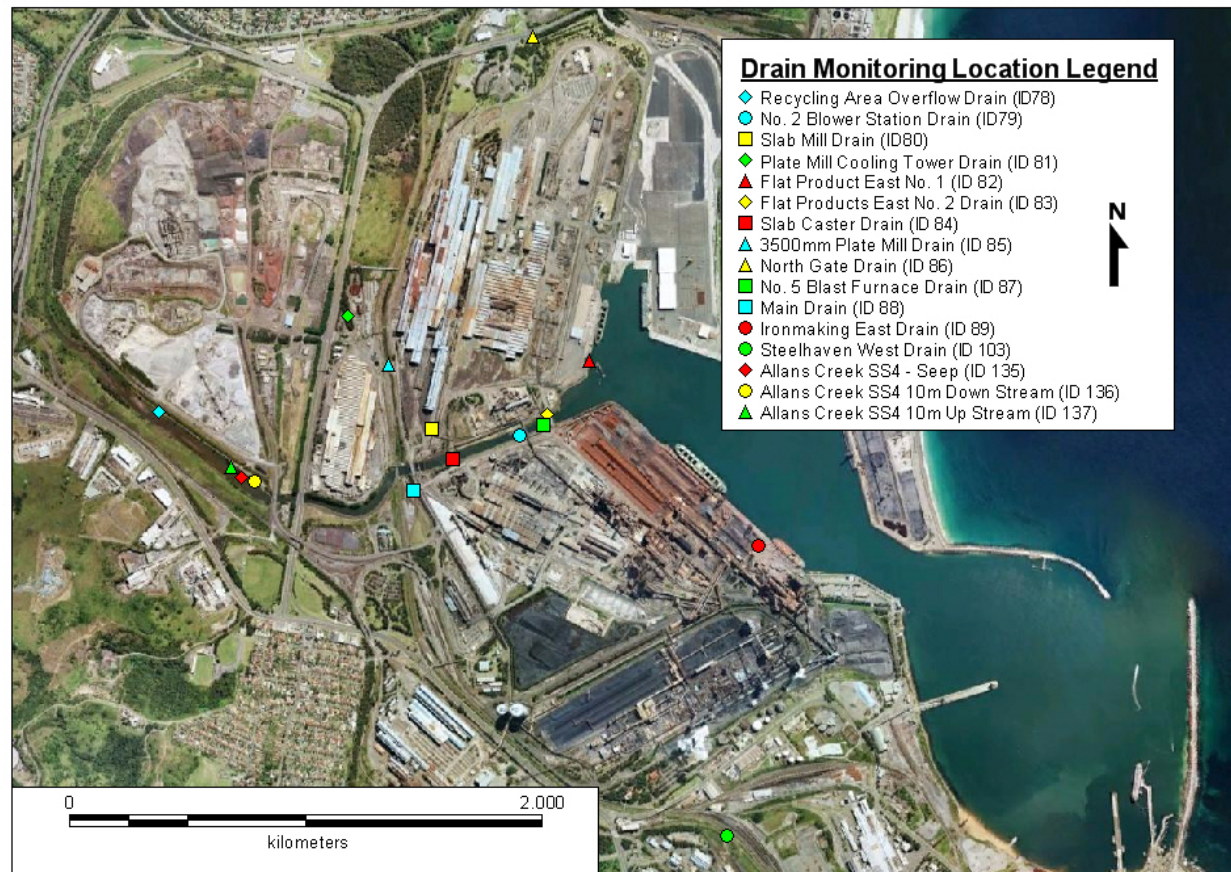


**O4.13**

Pollutant	Monitoring frequency required by licence	No. of significant emissions measured during year	100 Percentile Limit	Exceedance (yes/no) *
Emission - KISH Tipping DER 5	Annually	0	30	no
<b>Comment:</b>  				

## Water and/or Land Monitoring Requirements

EPL6092 Condition M2.4/M2.5/M8.1/8.3





**Point 89:**

Pollutant	Units of Measure	Monitoring frequency required by licence	No. of times measured during year	Annual Load
Total suspended Solids	Tonnes/annum	Annually	1	46.8
Total Zinc	Tonnes/annum	Annually	1	0.19
<b>Comment:</b>				



**Point 79:**

Pollutant	Units of Measure	Monitoring frequency required by licence	No. of times measured during year	Min. Value	Max. Value	50 Percentile Value	50 Percentile Limit	Exceedance (yes/no) *
BOD	Milligrams per litre	Every 8 days	1*	4.00	4.00	4.00	5.00	no
Cadmium	Milligrams per litre	Every 8 days	10*	<0.005	<0.005	<0.005	0.010	no

**Comment:\*** The requirement to monitor BOD and Cadmium at this point has been removed from the licence.

**Point 79:**

Pollutant	Units of Measure	Monitoring frequency required by licence	No. of times measured during year	Min. Value	Max. Value	90 Percentile Value	90 Percentile Limit	Exceedance (yes/no) *
Ammonia	Milligrams per litre	Every 8 days	57.00	<0.06	0.8400	0.3980	1.5000	no
BOD	Milligrams per litre	Every 8 days	1.00*	4.00	4.00	4.00	10.00	no
Cadmium	Milligrams per litre	Every 8 days	10.00*	<0.005	<0.005	<0.005	0.020	no
Cyanide	Milligrams per litre	Every 4 days	59.00	<0.005	0.0700	0.0154	0.0500	no
Filtrable Iron	Milligrams per litre	Every 8 days	49.00	<0.01	0.0450	<0.01	0.1000	no
Lead	Milligrams per litre	Every 8 days	10.00	<0.02	<0.02	<0.02	0.050	no
Oil and Grease	Milligrams per litre	Every 8 days	52.00	<5	5.0000	<5	10.0000	no
Temperature	Degrees Celcius	Every 8 days	52.00	19.00	31.00	29.82	35.00	no
Total Iron	Milligrams per litre	Every 8 days	49.00	0.0610	1.3640	0.3638	1.0000	no
Total Suspended Solids	Milligrams per litre	Every 8 days	52.00	<2	29.00	21.90	30.00	no
Total Zinc	Milligrams per litre	Every 8 days	52.00	<0.05	0.1400	<0.05	1.0000	no

**Comment:\* The requirement to monitor BOD and Cadmium at this point has been removed from the licence.**





**Point 85:**

Pollutant	Units of Measure	Monitoring frequency required by licence	No. of times measured during year	Min. Value	Max. Value	90 Percentile Value	90 Percentile Limit	Exceedance (yes/no) *
Oil and Grease	Milligrams per litre	24/year. Min 15 days apart	24.00	<5	<5	<5	10.0000	no
Temperature	Degrees Celcius	24/year. Min 15 days apart	24.00	18.00	26.10	25.07	30.00	no
Total Suspended Solids	Milligrams per litre	24/year. Min 15 days apart	24.00	<2	18.00	16.00	30.00	no
<b>Comment:</b>								



Bluescope Steel (AIS) Pty Ltd  
 ABN 19 000 019625  
 Port Kembla Steelworks  
 Five Islands Road  
 Port Kembla 2505  
 PO Box 1854  
 Wollongong NSW 2500

**Point 87:**

Pollutant	Units of Measure	Monitoring frequency required by licence	No. of times measured during year	Min. Value	Max. Value	50 Percentile Value	50 Percentile Limit	Exceedance (yes/no) *
Lead	Milligrams per litre	Every 8 days	49	<0.02	0.120	<0.02	0.050	no
<b>Comment:</b>								

**Point 87:**

Pollutant	Units of Measure	Monitoring frequency required by licence	No. of times measured during year	Min. Value	Max. Value	90 Percentile Value	90 Percentile Limit	Exceedance (yes/no) *
Ammonia	Milligrams per litre	Every 8 days	50.00	<0.06	15.8200	0.6390	7.5000	no
Cadmium	Milligrams per litre	Every 8 days	8.00*	<0.005	<0.005	<0.005	0.100	no
Chromium (Total)	Milligrams per litre	Every 8 days	8.00*	<0.01	0.010	<0.01	0.200	no
Cyanide	Milligrams per litre	Every 8 days	53.00	<0.005	0.3100	0.0158	0.2000	no
Filtrable Iron	Milligrams per litre	Every 8 days	49.00	<0.01	0.0330	0.0182	0.7000	no
Lead	Milligrams per litre	Every 8 days	49.00	<0.02	0.120	<0.02	0.300	no
Oil and Grease	Milligrams per litre	Every 8 days	9.00*	<5	<5	<5	10.0000	no
Temperature	Degrees Celcius	Every 8 days	49.00	17.00	28.00	24.28	35.00	no
Total Iron	Milligrams per litre	Every 8 days	49.00	0.0360	25.5700	2.4784	3.0000	no
Total Suspended Solids	Milligrams per litre	Every 8 days	49.00	2.00	200.00	24.00	30.00	no

**Comment:**\*The requirement to monitor Total Chromium, Cadmium and Oil and Grease at this point has been removed from the licence.



**Point 88:**

Pollutant	Units of Measure	Monitoring frequency required by licence	No. of times measured during year	Min. Value	Max. Value	50 Percentile Value	50 Percentile Limit	Exceedance (yes/no) *
Cadmium	Milligrams per litre	Every 8 days	5*	<0.005	<0.005	<0.005	0.010	no
Total Suspended Solids	Milligrams per litre	Every 4 days	46**	2.80	40.00	7.80	45.00	no

**Comment:**\*The requirement to monitor Cadmium at this point has been removed from the licence. \*\* The required frequency of monitoring TSS changed from every 4 days to 8 days in the licence.

**Point 88:**

Pollutant	Units of Measure	Monitoring frequency required by licence	No. of times measured during year	Min. Value	Max. Value	90 Percentile Value	90 Percentile Limit	Exceedance (yes/no) *
Ammonia	Milligrams per litre	Every 4 days	47.00**	<0.06	0.2800	<0.06	4.0000	no
Cadmium	Milligrams per litre	Every 8 days	5.00*	<0.005	<0.005	<0.005	0.020	no
Cyanide	Milligrams per litre	Every 4 days	47.00**	<0.005	0.0220	0.0064	0.1000	no
Lead	Milligrams per litre	Every 8 days	5.00*	<0.02	<0.02	<0.02	0.050	no
Oil and Grease	Milligrams per litre	Every 8 days	46.00	<5	<5	<5	10.0000	no
Phenol	Milligrams per litre	Every 8 days	46.00	<0.005	0.0230	0.0055	0.1500	no
Temperature	Degrees Celcius	Every 8 days	46.00	20.00	35.00	31.50	35.00	no
Total Suspended Solids	Milligrams per litre	Every 4 days	46.00**	2.80	40.00	24.00	70.00	no
Total Zinc	Milligrams per litre	Every 8 days	46.00	<0.05	0.0700	<0.05	1.0000	no

**Comment:**\*The requirement to monitor Cadmium & Lead at this point has been removed from the licence. \*\*The required frequency of monitoring Ammonia, Cyanide & TSS changed from every 4 days to 8 days in the licence.



Point 89:

Pollutant	Units of Measure	Monitoring frequency required by licence	No. of times measured during year	Min. Value	Max. Value	50 Percentile Value	50 Percentile Limit	Exceedance (yes/no) *
Ammonia	Milligrams per litre	Every 4 days	49**	<0.06	5.3000	0.4000	3.0000	no
Cadmium	Milligrams per litre	Every 8 days	7*	<0.005	<0.005	<0.005	0.010	no
Cyanide	Milligrams per litre	Every 4 days	49**	<0.005	0.8700	<0.005	0.0800	no
Lead	Milligrams per litre	Every 8 days	50*	<0.02	0.026	<0.02	0.050	no

**Comment:**The requirement to monitor Cadmium and Lead at this point has been removed from the licence.\*\*The required frequency of monitoring Ammonia & Cyanide changed from every 4 days to 8 days in the licence.

**Point 89:**

Pollutant	Units of Measure	Monitoring frequency required by licence	No. of times measured during year	Min. Value	Max. Value	90 Percentile Value	90 Percentile Limit	Exceedance (yes/no) *
Ammonia	Milligrams per litre	Every 4 days	49.00**	<0.06	5.3000	1.4920	5.0000	no
Cadmium	Milligrams per litre	Every 8 days	7.00*	<0.005	<0.005	<0.005	0.020	no
Cyanide	Milligrams per litre	Every 4 days	49.00**	<0.005	0.8700	0.0154	0.1500	no
Filtrable Iron	Milligrams per litre	Every 8 days	48.00	<0.01	0.0850	0.0350	0.1000	no
Lead	Milligrams per litre	Every 8 days	50.00*	<0.02	0.026	<0.02	0.100	no
Oil and Grease	Milligrams per litre	Every 8 days	15.00*	<5	<5	<5	10.0000	no
Temperature	Degrees Celcius	Every 8 days	48.00	17.90	26.00	24.00	40.00	no
Total Iron	Milligrams per litre	Every 8 days	48.00	0.1230	4.6900	0.6890	3.0000	no
Total Zinc	Milligrams per litre	Every 8 days	48.00	<0.05	0.6120	0.1091	1.0000	no

**Comment:**\*The requirement to monitor Cadmium, Lead & Oil and Grease at this point has been removed from the licence.\*\*The required frequency of monitoring Ammonia & Cyanide changed from every 4 days to 8 days in the licence.