



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](#)

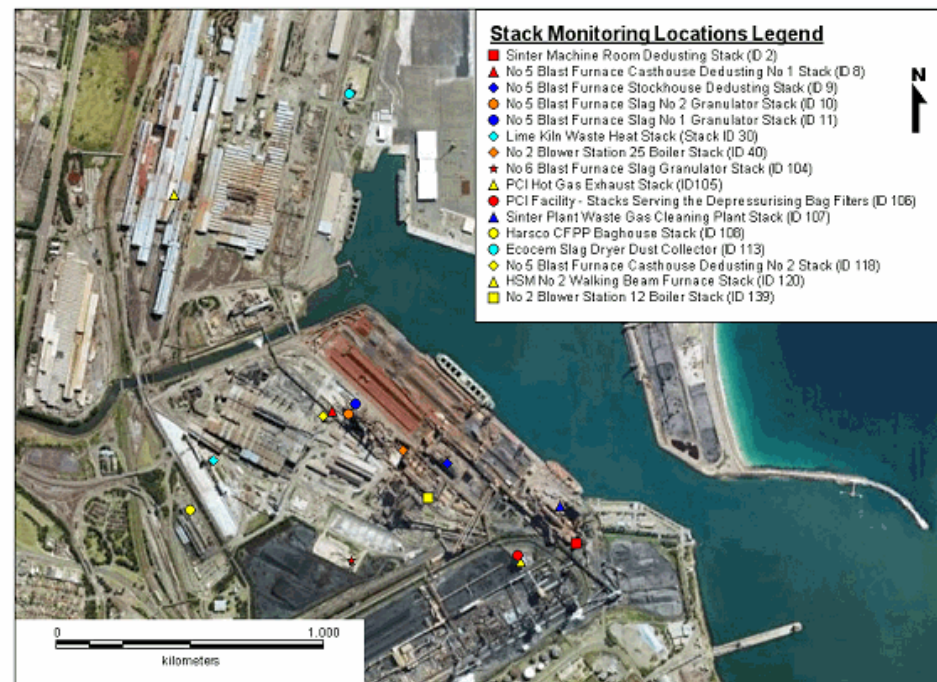
LICENCE MONITORING DATA
ANNUAL SUMMARY REPORT

for period

1 Apr 2012 to 31 Mar 2013

Stack Air Monitoring Requirements

EPL6092 Condition 8.2



M8.2

Point 107:

Pollutant	Units of measure	Monitoring frequency required by licence	No. of times measured during year	Annual Load
Benzene	Tonnes/annum	annually	1	4.42
Benzo(a)pyrene	Tonnes/annum	annually	1	0.00025
Coarse Particulates	Tonnes/annum	annually	1	39.97
Fine Particulates	Tonnes/annum	annually	1	24.37
Nitrogen oxides	Tonnes/annum	annually	1	2,602
Sulphur oxides	Tonnes/annum	annually	1	492.9
Volatile organic compounds	Tonnes/annum	annually	1	1.17
Comment:				



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Ambient Air Monitoring Requirements

EPL6092 Condition O4.13

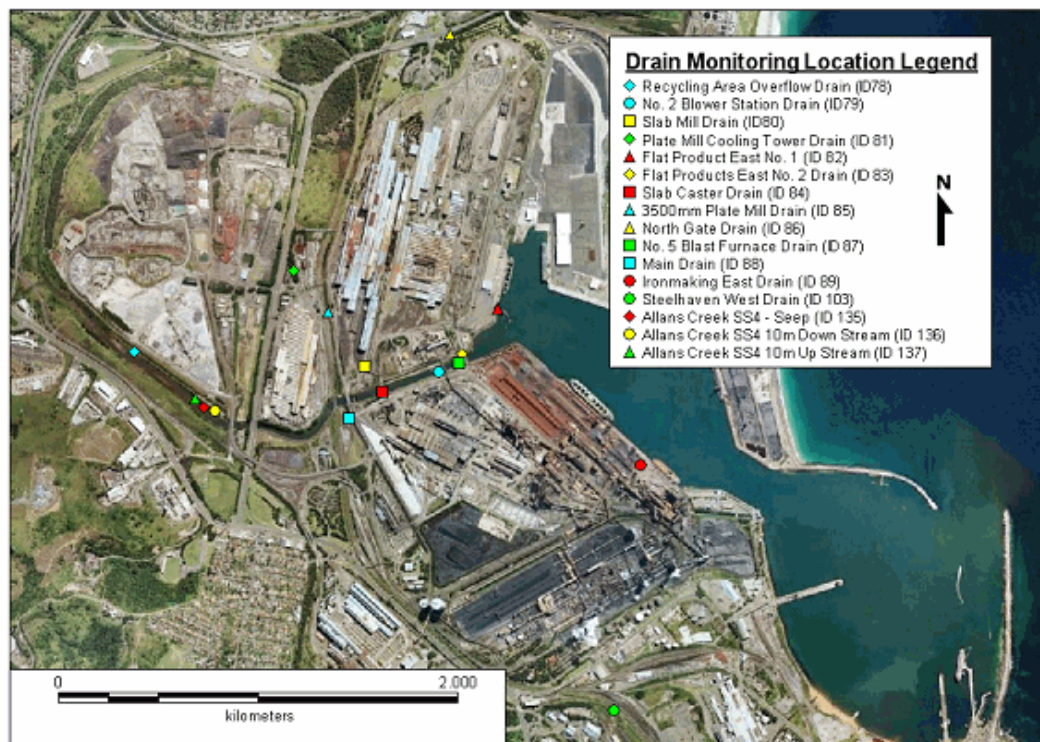


O4.13

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
Comment:				

Water and/or Land Monitoring Requirements

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



M8.3

Point 89:

Pollutant	Units of measure	Monitoring frequency required by licence	No. of times measured during year	Annual Load
Arsenic	Tonnes/annum	annually	1	0
Cadmium	Tonnes/annum	annually	1	0
Chromium (Total)	Tonnes/annum	annually	1	0
Copper	Tonnes/annum	annually	1	0.00049
Lead	Tonnes/annum	annually	1	0.00065
Mercury	Tonnes/annum	annually	1	0.00001
Oil and grease	Tonnes/annum	annually	1	0
Selenium	Tonnes/annum	annually	1	0
Total suspended solids	Tonnes/annum	annually	1	9.9
Total zinc	Tonnes/annum	annually	1	0.032
Comment:				



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	46	<2	<2	<2	5.00	no
Cadmium	Milligrams per litre	Every 8 days	46	<0.005	<0.005	<0.005	0.010	no
Comment:								

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	46.00	<0.06	0.3600	0.1950	1.5000	no
BOD	Milligrams per litre	Every 8 days	46.00	<2	<2	<2	10.00	no
Cadmium	Milligrams per litre	Every 8 days	46.00	<0.005	<0.005	<0.005	0.020	no
Cyanide	Milligrams per litre	Every 4 days	91.00	<0.005	0.0290	0.0140	0.0500	no
Filtrable Iron	Milligrams per litre	Every 8 days	46.00	<0.01	0.0220	0.0175	0.1000	no
Lead	Milligrams per litre	Every 8 days	46.00	<0.02	0.030	<0.02	0.050	no
Oil and Grease	Milligrams per litre	Every 8 days	46.00	<5	<5	<5	10.0000	no
Temperature	Degrees Celcius	Every 8 days	46.00	16.20	32.00	30.60	35.00	no
Total Iron	Milligrams per litre	Every 8 days	46.00	<0.005	2.8500	0.2800	1.0000	no
Total Suspended Solids	Milligrams per litre	Every 8 days	46.00	<2	29.00	17.00	30.00	no
Total Zinc	Milligrams per litre	Every 8 days	46.00	<0.05	0.0600	<0.05	1.0000	no

Comment:

Point 80:

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) *
Cyanide	Milligrams per litre	6/yr. Min 50 days apart	6.00	<0.005	0.0360	0.0325	0.0500	no
Total Suspended Solids	Milligrams per litre	6/yr. Min 50 days apart	6.00	<2	6.80	4.40	30.00	no

Comment:

Point 82:

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) *
Cyanide	Milligrams per litre	Quarterly grab sample. Min 80 days apart	2.00*	<0.005	0.0230	0.0210	0.0500	no

Comment: *No flow at time of sampling

Point 83:

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) *
Cyanide	Milligrams per litre	Quarterly grab sample. Min 80 days apart	1.00*	0.0070	0.0070	0.0070	0.0500	no

Comment:*No flow at time of sampling



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	23.00	<5	<5	<5	10.0000	no
Temperature	Degrees Celcius	24/year. Min 15 days apart	23.00	17.00	27.00	26.16	30.00	no
Total Suspended Solids	Milligrams per litre	24/year. Min 15 days apart	23.00	<2	18.00	12.80	30.00	no
Comment:								



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	47	<0.02	0.046	<0.02	0.050	no
Comment:								

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	47.00	<0.06	2.8800	0.9200	7.5000	no
Cadmium	Milligrams per litre	Every 8 days	47.00	<0.005	<0.005	<0.005	0.100	no
Chromium (Total)	Milligrams per litre	Every 8 days	47.00	<0.01	0.033	<0.01	0.200	no
Cyanide	Milligrams per litre	Every 8 days	47.00	<0.005	0.0160	0.0128	0.2000	no
Filtrable Iron	Milligrams per litre	Every 8 days	47.00	<0.01	0.0400	0.0200	0.7000	no
Lead	Milligrams per litre	Every 8 days	47.00	<0.02	0.046	<0.02	0.300	no
Oil and Grease	Milligrams per litre	Every 8 days	47.00	<5	<5	<5	10.0000	no
Temperature	Degrees Celcius	Every 8 days	47.00	12.00	25.20	25.00	35.00	no
Total Iron	Milligrams per litre	Every 8 days	47.00	0.0770	18.9200	0.6440	3.0000	no
Total Suspended Solids	Milligrams per litre	Every 8 days	47.00	<2	150.00	15.00	30.00	no
Comment:								



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	47	<0.005	<0.005	<0.005	0.010	no
Total Suspended Solids	Milligrams per litre	Every 4 days	92	<2	28.00	6.00	45.00	no
Comment:								

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	92.00	<0.06	1.1200	<0.06	4.0000	no
Cadmium	Milligrams per litre	Every 8 days	47.00	<0.005	<0.005	<0.005	0.020	no
Cyanide	Milligrams per litre	Every 4 days	92.00	<0.005	0.0220	0.0070	0.1000	no
Lead	Milligrams per litre	Every 8 days	47.00	<0.02	0.020	<0.02	0.050	no
Oil and Grease	Milligrams per litre	Every 8 days	47.00	<5	6.0000	<5	10.0000	no
Temperature	Degrees Celcius	Every 8 days	47.00	14.00	33.20	31.00	35.00	no
Total Suspended Solids	Milligrams per litre	Every 4 days	92.00	<2	28.00	14.90	70.00	no
Total Zinc	Milligrams per litre	Every 8 days	47.00	<0.05	0.0500	<0.05	1.0000	no
Comment:								

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	92	<0.06	5.4900	0.3900	3.0000	no
Cadmium	Milligrams per litre	Every 8 days	47	<0.005	<0.005	<0.005	0.010	no
Cyanide	Milligrams per litre	Every 4 days	92	<0.005	0.0390	0.0055	0.0800	no
Lead	Milligrams per litre	Every 8 days	47	<0.02	0.040	<0.02	0.050	no
Comment:								

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	92.00	<0.06	5.4900	1.1200	5.0000	no
Cadmium	Milligrams per litre	Every 8 days	47.00	<0.005	<0.005	<0.005	0.020	no
Cyanide	Milligrams per litre	Every 4 days	92.00	<0.005	0.0390	0.0170	0.1500	no
Filtrable Iron	Milligrams per litre	Every 8 days	47.00	<0.01	0.0760	0.0472	0.1000	no
Lead	Milligrams per litre	Every 8 days	47.00	<0.02	0.040	<0.02	0.100	no
Oil and Grease	Milligrams per litre	Every 8 days	47.00	<5	<5	<5	10.0000	no
Temperature	Degrees Celcius	Every 8 days	47.00	14.20	27.20	26.52	40.00	no
Total Iron	Milligrams per litre	Every 8 days	47.00	0.0650	4.0000	1.0800	3.0000	no
Total Zinc	Milligrams per litre	Every 8 days	47.00	<0.05	0.1960	0.0628	1.0000	no

Comment: