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Port Kembla Steelworks
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BLUESCOPE STEEL (AIS) PTY. LTD.
Port Kembla Steelworks
Licence 6092

[Link to Environment Protection Licence EPL6092](#)

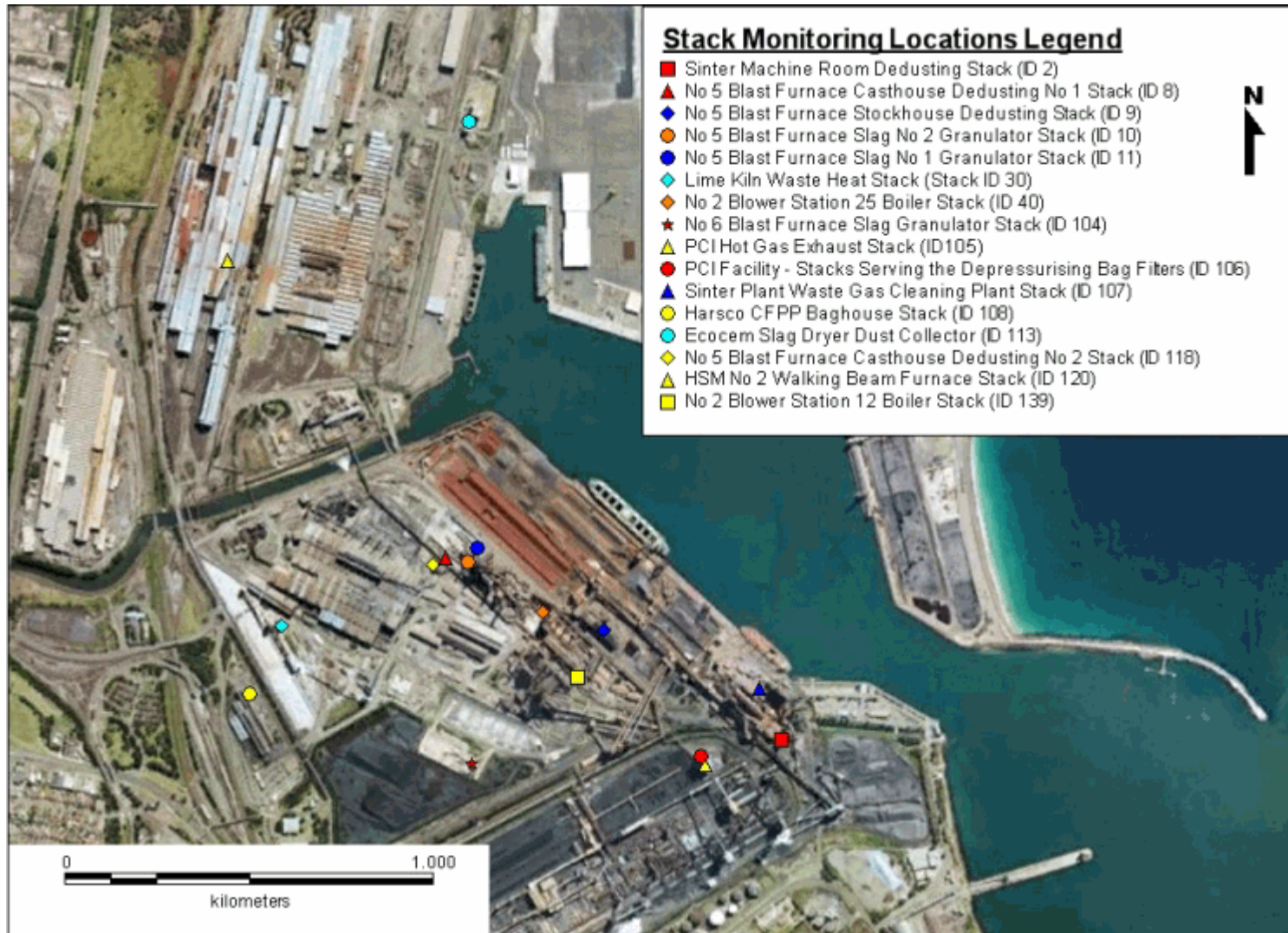
LICENCE MONITORING DATA
MONTHLY SUMMARY REPORT

for

1 Aug 2015 to 31 Aug 2015

Stack Air Monitoring Requirements

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



Point 2:

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	Quarterly	1	8.00	8.00	50.00	no
Comment:							

Point 8:

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	1	5.20	5.20	50.00	no
Comment:							

Point 30:

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	8.40	9.30	50.00	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 (yes / no) *
Dry Gas Density	Kilograms per cubic metre	Quarterly	10	1.29	1.29		no
Hydrogen Sulphide	Grams per second	Quarterly	1	0.50	0.50	1.20	no
Moisture	Percent	Quarterly	10	2.40	3.90		no
Molecular Weight of stack gases	grams per gram mole	Quarterly	10	28.90	28.90		no
Temperature	Degrees Celcius	Quarterly	10	21.00	28.00		no
Velocity	Metres per second	Quarterly	10	1.90	2.80		no
Volumetric flowrate	Cubic metres per second	Quarterly	11	22.00	31.00		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:				

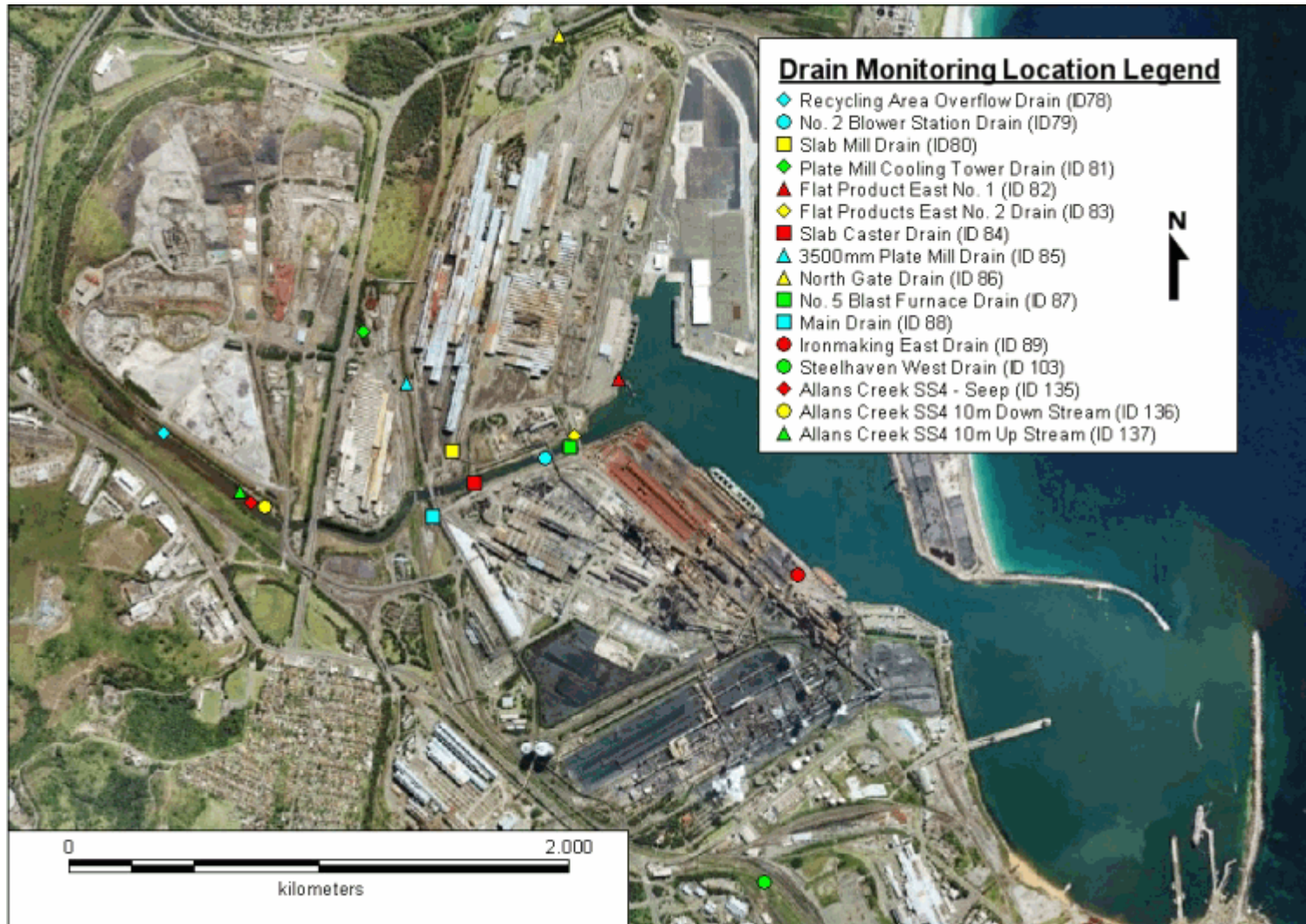


Point O4.14:

Pollutant	Monitoring frequency required by licence	No of significant emissions measured during month	100 Percentile Limit	Exceedance (yes/no) *
Emission - Torpedo Ladle DER>3	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
pH		Daily during any discharge which is not due to Wet Weather Conditions	0*				
Total Suspended Solids	Milligrams per litre	Daily during any discharge which is not due to Wet Weather Conditions	0*				
Volume of Liquids Discharged	Kilolitres per day	Daily	Continuous	0.00	188	0.00	2,728.00
Comment: * No flow during dry weather conditions.							

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	<0.0600	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	<0.0100	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	7.90	8.30	6.5-9.0 (6.5-9.0)	no
Temperature	Degrees Celcius	Every 8 days	4	23.40	24.40	40 (40)	no
Total Iron	Milligrams per litre	Every 8 days	4	0.0820	0.6050	3 (50)	no
Total Suspended Solids	Milligrams per litre	Every 8 days	4	<3.00	7.60	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	505,420.00	635,706.00		
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	2,441.00	9,978.00		
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) *
Cyanide	Milligrams per litre	Quarterly grab sample. Min 80 days apart	0*			0.30 (0.00)	no
Volume of Liquids Discharged	Kilolitres per day	Daily	Continuous	0.00	7,846.00		
Comment: * No flow at time of sampling.							

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) *
Cyanide	Milligrams per litre	Quarterly grab sample. Min 80 days apart	0*			0.15 (0.00)	no
Volume of Liquids Discharged	Kilolitres per day	Daily	Continuous	0.00	2,493.00		
Comment: * No flow at time of sampling.							

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	3	<5.0000	<5.0000	20.0000	no
pH		24/year. Min 15 days apart	3	8.10	8.20	6.5-9.0	no
Temperature	Degrees Celcius	24/year. Min 15 days apart	3	17.40	17.40	35.00	no
Total Suspended Solids	Milligrams per litre	24/year. Min 15 days apart	3	3.00	7.20	50.00	no
Volume of Liquids Discharged	Kilolitres per day	Daily	Continuous	32,791.00	40,688.00		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	<0.0600	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	<0.0100	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	8.10	8.20	6.5-11.0 (6.5-11.0)	no
Temperature	Degrees Celcius	Every 8 days	4	16.40	16.40	40 (40)	no
Total Iron	Milligrams per litre	Every 8 days	4	0.1170	0.5120	7 (100)	no
Total Suspended Solids	Milligrams per litre	Every 8 days	4	<3.00	13.00	70 (500)	no
Volume of Liquids Discharged	Kilolitres per day	Daily	Continuous*	2,266.00	3,079.00		

Comment: Six daily flow measurements not available due to a flow sensor malfunction.

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	8.00	8.20	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	15.40	16.40	40 (40)	no
Total Suspended Solids	Milligrams per litre	Every 8 days	4	<3.00	19.00	100 (200)	no
Total Suspended Solids	Tonnes per day	Every 8 days	4	0.21	6.19	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	135,803.00	407,785.00		
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	7	<0.0600	0.7400	7.0 (7.0)	no
Copper	Milligrams per litre	Every 8 days	7	<0.010	<0.010	1.000	no
Cyanide	Milligrams per litre	Every 8 days	7	<0.0200	<0.0200	0.20 (0.20)	no
Filtrable Iron	Milligrams per litre	Every 8 days	7	<0.0100	0.0520	0.5 (0.5)	no
Fluoride	Milligrams per litre	Every 8 days	7	3.30	6.00	50 (50)	no
pH		Every 8 days	7	8.10	8.20	6.5-9.0 (6.5-9.0)	no
Temperature	Degrees Celcius	Every 8 days	4	16.40	19.40	45 (45)	no
Total Iron	Milligrams per litre	Every 8 days	7	0.3580	3.6900	7 (20)	no
Total Suspended Solids	Milligrams per litre	Every 8 days	7	<3.00	29.00	100 (200)	no
Total Zinc	Milligrams per litre	Every 8 days	7	<0.0500	0.1500	3 (3)	no
Volume of Liquids Discharged	Kilolitres per day	Daily	Continuous	2,501.00	20,470.00		
Comment:							

Point 135:

Pollutant	Units of Measure	Monitoring frequency required by licence	No. of times measured during month	Min. Value	Mean Value	Median Value	Max. Value
Ammonia	Milligrams per litre	1 sample in Licence. Q1. 1 sample in Q3. 1 sample following a rainfall event of more than 10mm in a 24 hour period.	1	<0.0600	0.0300	0.0300	<0.0600
pH		1 sample in Licence. Q1. 1 sample in Q3. 1 sample following a rainfall event of more than 10mm in a 24 hour period.	1	7.90	7.90	7.90	7.90
Temperature	Degrees Celcius	1 sample in Licence. Q1. 1 sample in Q3. 1 sample following a rainfall event of more than 10mm in a 24 hour period.	1	16.40	16.40	16.40	16.40
Comment:							