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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

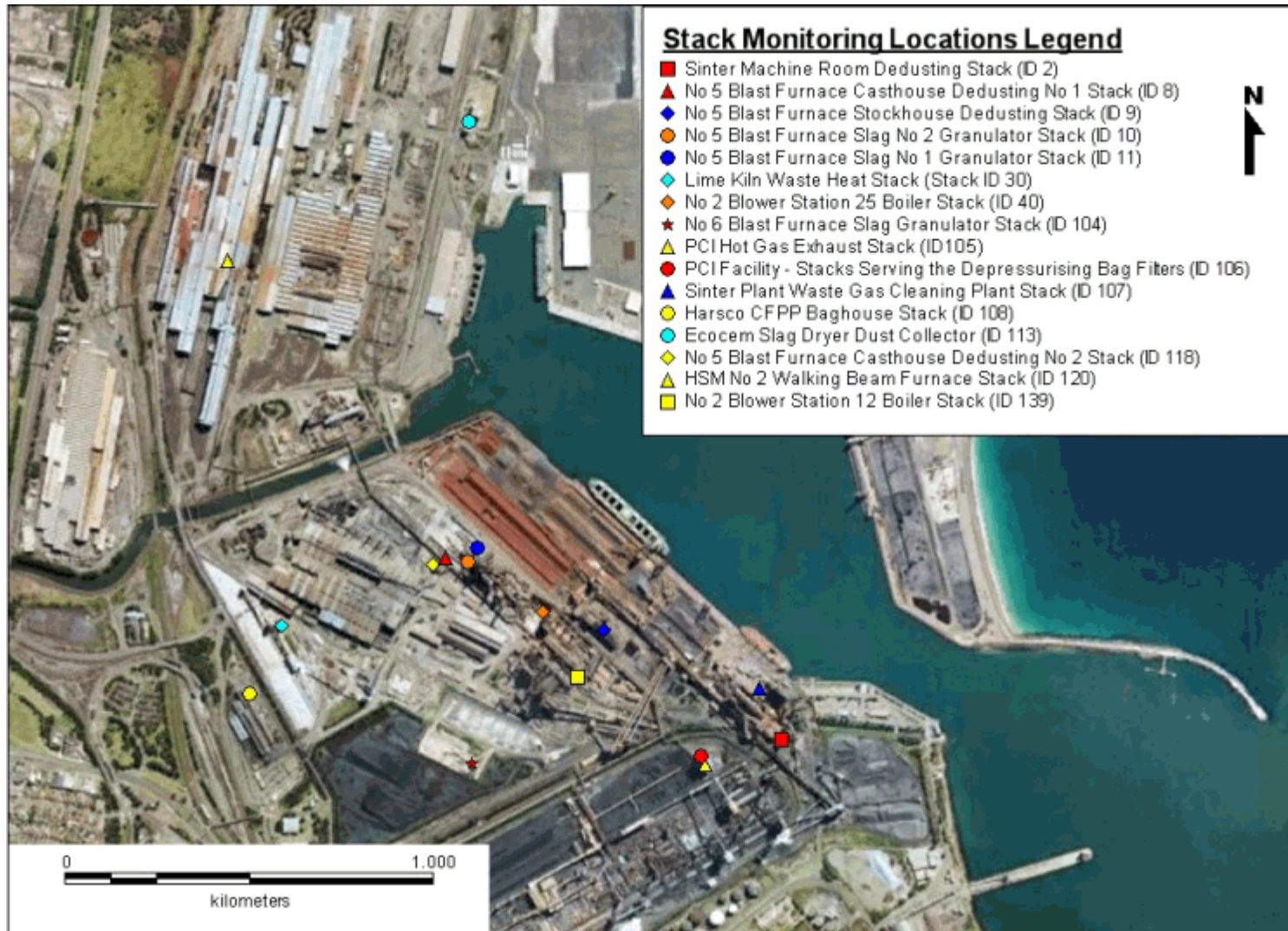
for

1 Nov 2022 to 30 Nov 2022

Monthly (November 2022) Report Published: 15, February, 2023

Stack Air Monitoring Requirements

EPL6092 Conditions L2.4/M2.2/M2.3/M8.2/E1.4





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 (ye s / no) *
Solid Particles	Milligrams per cubic metre	Yearly	1	26	26	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 (ye s / no) *
Arsenic	Milligrams per cubic metre	Quarterly in duplicate	1	0.00086	0.00086		no
Cadmium	Milligrams per cubic metre	Quarterly in duplicate	1	0.0012	0.0012		no
Dry Gas Density	Kilograms per cubic metre	Quarterly in duplicate	5	1.29	1.33		no
Fine Particulates	Milligrams per cubic metre	Quarterly in duplicate	2	1.8	2.6		no
Lead	Milligrams per cubic metre	Quarterly in duplicate	1	0.04	0.04		no
Manganese	Milligrams per cubic metre	Quarterly in duplicate	1	0.0029	0.0029		no
Moisture	Percent	Quarterly in duplicate	5	8.7	9.6		no
Molecular Weight of stack gases	grams per gram mole	Quarterly in duplicate	5	28.9	29.7		no
Nickel	Milligrams per cubic metre	Quarterly in duplicate	1	0.0018	0.0018		no
Solid Particles	Milligrams per cubic metre	Quarterly in duplicate	3	3.7	6.8	20.00	no
Temperature	Degrees Celcius	Quarterly in duplicate	5	138	138		no
Velocity	Metres per second	Quarterly in duplicate	5	15	17		no
Volumetric flowrate	Cubic metres per second	Quarterly in duplicate	5	310	340		no
Comment:							



Point 118:

Pollutant	Units of Measure	Monitoring frequency required by licence	No. of times measured during month	Min. Value	Max Value	100 Percentile Limit	Exceedance (years / no) *
Solid Particles	Milligrams per cubic metre	Yearly	1	1.4	1.4	50.00	no
Comment:							

Point 18:

Pollutant	Units of Measure	Monitoring frequency required by licence	No. of times measured during month	Min. Value	Mean Value	Median Value	Max. Value
Hydrogen Sulphide	Milligrams per cubic metre	Quarterly	3	1.4	1.5	1.50	1.6
Comment:							



Point 2:

Pollutant	Units of Measure	Monitoring frequency required by licence	No. of times measured during month	Min. Value	Mean Value	Median Value	Max Value
Opacity	%	Continuous	Continuous	0	1.7	1.5	18.2
Comment:							

Point 107:

Pollutant	Units of Measure	Monitoring frequency required by licence	No. of times measured during month	Min. Value	Mean Value	Median Value	Max Value
Total Solid Particles	Milligrams per cubic metre	Continuous	Continuous	1.2	6.4	5.3	44.7
Comment: Elevated results associated with plant shutdown and startup							



Ambient Air Monitoring Requirements

EPL6092 Condition M2.2/M2.3/O4.12, O4.13 and O4.14

O4.12

Pollutant	Monitoring frequency required by licence	No of significant emissions measured during month	100 Percentile Limit	Exceedance (yes/no) *
Emission - BOS Roof Emission DER 5	Monthly	0	4	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 4	Monthly	0	1	no
Comment:				



Point 141: Receiver 1 (located south of licensed site)

Pollutant	Units of Measure	Monitoring frequency required by licence	No. of times measured during month	Min. Value	Mean Value	Median Value	Max. Value
Benzene	Parts per billion	Every 6 days	5	0.01	0.040	0.042	0.061
Fine Particulates	Micrograms per cubic metre	Continuous	Continuous	4	16	14	36
Iron	Micrograms per cubic metre	Every 6 days	5	0.2	2.6	2.3	5.6
Lead	Micrograms per cubic metre	Every 6 days	5	<0.055	<0.055	0.03	<0.056
Particulates - Deposited Matter	Grams per square metre per month	Monthly	0				
Polycyclic aromatic hydrocarbons	Nanograms per cubic metre	24 hour period every 6 days.	5	0.71	0.75	0.71	0.91
Total suspended particles	Micrograms per cubic metre	Every 6 days	5	9.6	36	38	48
Zinc	Micrograms per cubic metre	Every 6 days	5	<0.11	0.17	0.14	0.38
Comment: Dust deposition Gauge from Point 141 was stolen - no data available for the month							



Point 152: Receiver 2 (located north of licensed site)

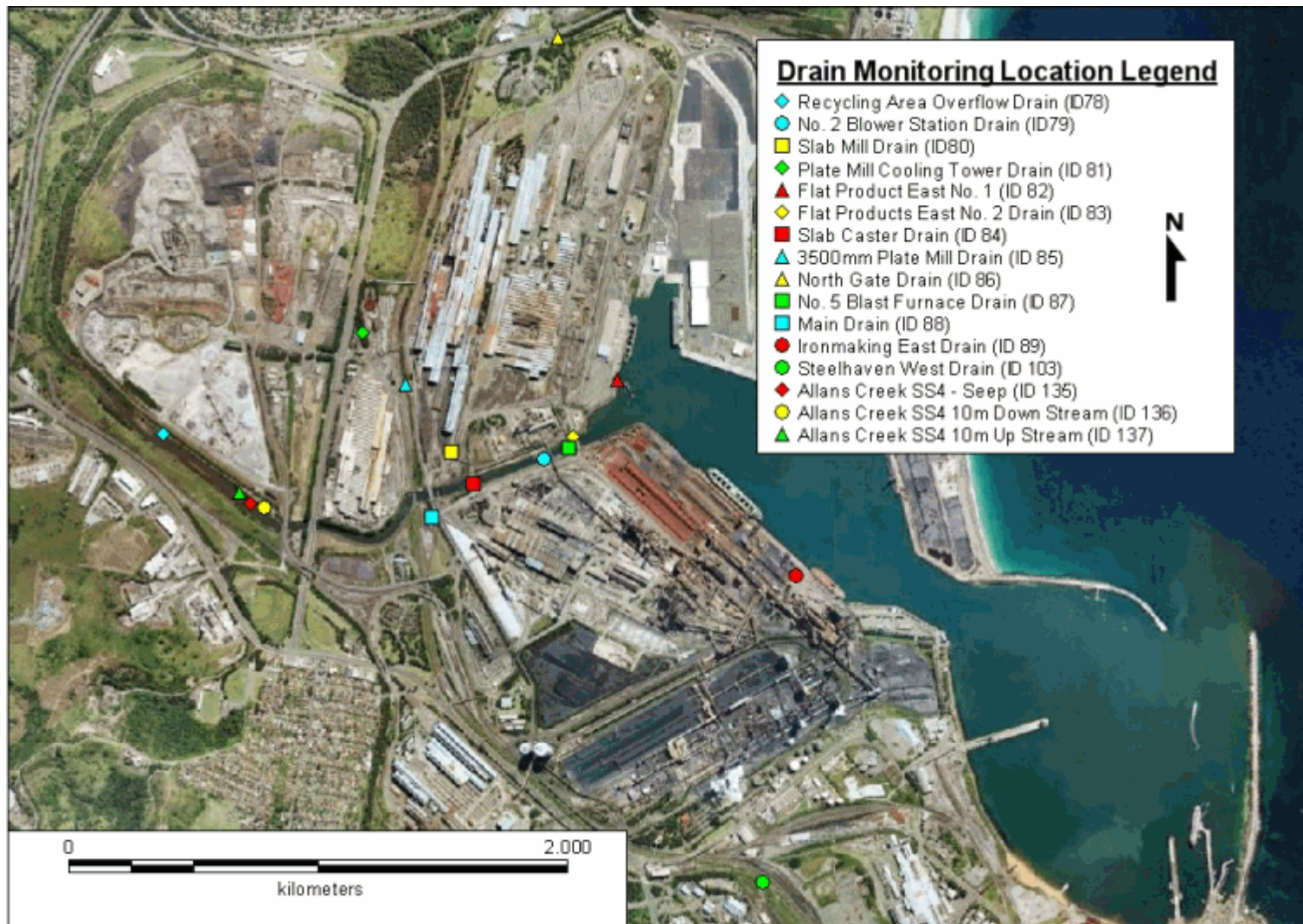
Pollutant	Units of Measure	Monitoring frequency required by licence	No. of times measured during month	Min. Value	Mean Value	Median Value	Max. Value
Benzene	Parts per billion	Every 6 days	5	0.012	0.024	0.023	0.039
Fine Particulates	Micrograms per cubic metre	Continuous	Continuous	6	19	18	30
Iron	Micrograms per cubic metre	Every 6 days	5	0.75	3.0	1.4	8.4
Lead	Micrograms per cubic metre	Every 6 days	5	<0.055	<0.055	0.03	<0.056
Particulates - Deposited Matter	Grams per square metre per month	Monthly	1	2.5	2.5	2.50	2.5
Polycyclic aromatic hydrocarbons	Nanograms per cubic metre	24 hour period every 6 days.	5	0.71	0.72	0.71	0.76
Total suspended particles	Micrograms per cubic metre	Every 6 days	5	22	33	28	57
Zinc	Micrograms per cubic metre	Every 6 days	5	<0.11	0.22	0.06	0.6
Comment:							

Point 153: Receiver 3 (located west of licensed site)

Pollutant	Units of Measure	Monitoring frequency required by licence	No. of times measured during month	Min. Value	Mean Value	Median Value	Max. Value
Iron	Micrograms per cubic metre	Every 6 days	5	1.1	1.9	2.1	2.8
Lead	Micrograms per cubic metre	Every 6 days	5	<0.055	<0.055	0.03	<0.056
Total suspended particles	Micrograms per cubic metre	Every 6 days	5	30	37	31	55
Zinc	Micrograms per cubic metre	Every 6 days	5	<0.11	<0.11	0.11	0.17
Comment:							

Water and/or Land Monitoring Requirements

EPL6092 Condition M2.5/M2.6/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	0	0.00	0
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 (years / no) *
Ammonia	Milligrams per litre	Every 8 days	7	<0.06	<0.06	5.0 (5.0)	no
Cyanide	Milligrams per litre	Every 8 days	7	<0.02	<0.02	0.30 (0.30)	no
Filtrable Iron	Milligrams per litre	Every 8 days	6	<0.013	0.020	0.3 (0.3)	no
Oil and Grease	Milligrams per litre	Every 8 days	6	<5	<5	20 (50)	no
pH		Every 8 days	7	8.0	8.3	6.5-9.0 (6.5-9.0)	no
Temperature	Degrees Celcius	Every 8 days	7	24.2	27.7	40 (40)	no
Total Iron	Milligrams per litre	Every 8 days	6	0.11	0.23	3 (50)	no
Total Suspended Solids	Milligrams per litre	Every 8 days	7	<3	8	50 (500)	no
Total Zinc	Milligrams per litre	Every 8 days	6	<0.05	0.06	3 (3)	no
Volume of Liquids Discharged	Kilolitres per day	Daily	Continuous	615865	692741		
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 (years / no) *
Cyanide	Milligrams per litre	6/yr. Min 50 days apart.	1	<0.02	<0.02	0.20 (0.00)	no
pH		6/yr. Min 50 days apart.	1	7.6	7.6	6.5-9.0 (0.0-0.0)	no
Volume of Liquids Discharged	Kilolitres per day	Daily	Continuous	356	2659		
Comment:							

Date Obtained: 31/01/2023



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 (years / no) *
Volume of Liquids Discharged	Kilolitres per day	Daily	Continuous	180	1009		
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 (years / no) *
Volume of Liquids Discharged	Kilolitres per day	Daily	Continuous	0	179		
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 (years / no) *
Oil and Grease	Milligrams per litre	24/year. Min 15 days apart	2	<5	<5	20.0000	no
pH		24/year. Min 15 days apart	2	8.1	8.1	6.5-9.0	no
Temperature	Degrees Celcius	24/year. Min 15 days apart	2	19.7	21.7	35.00	no
Total Suspended Solids	Milligrams per litre	24/year. Min 15 days apart	2	3	4	50.00	no
Volume of Liquids Discharged	Kilolitres per day	Daily	Continuous	29192	36222		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 (years / no) *
Ammonia	Milligrams per litre	Every 8 days	4	<0.06	<0.06	10.0 (10.0)	no
Cyanide	Milligrams per litre	Every 8 days	4	<0.02	<0.02	0.30 (0.30)	no
Filtrable Iron	Milligrams per litre	Every 8 days	4	<0.013	<0.013	1.5 (1.5)	no
Lead	Milligrams per litre	Every 8 days	4	<0.02	<0.02	0.5 (0.5)	no
Mercury	Micrograms per litre	Every 8 days	4	<0.5	<0.5	1.5 (1.5)	no
pH		Every 8 days	4	8.1	8.1	6.5-11.0 (6.5-11.0)	no
Temperature	Degrees Celcius	Every 8 days	4	18.7	20.7	40 (40)	no
Total Iron	Milligrams per litre	Every 8 days	4	0.083	0.17	7 (100)	no
Total Suspended Solids	Milligrams per litre	Every 8 days	4	<3	8	70 (500)	no
Volume of Liquids Discharged	Kilolitres per day	Daily	Continuous	1857	2091		
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 (years / no) *
Ammonia	Milligrams per litre	24/year. Min 15 days apart	2	<0.06	<0.06	7.5 (7.5)	no
Cyanide	Milligrams per litre	24/year. Min 15 days apart	2	<0.02	<0.02	0.30 (0.30)	no
Oil and Grease	Milligrams per litre	24/year. Min 15 days apart	2	<5	<5	20 (50)	no
pH		24/year. Min 15 days apart	2	8.1	8.2	6.5-9.0 (6.5-9.0)	no
Temperature	Degrees Celcius	24/year. Min 15 days apart	2	19.2	20.7	40 (40)	no
Total Suspended Solids	Milligrams per litre	24/year. Min 15 days apart	2	4	6	100 (200)	no
Total Zinc	Milligrams per litre	24/year. Min 15 days apart	2	<0.05	<0.05	3 (3)	no
Volume of Liquids Discharged	Kilolitres per day	Daily	Continuous	23658	31371		
Comment:							

Date Obtained: 31/01/2023



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 (years / no) *
Volume of Liquids Discharged	Kilolitres per day	Daily	Continuous	0	0		
Comment:							