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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

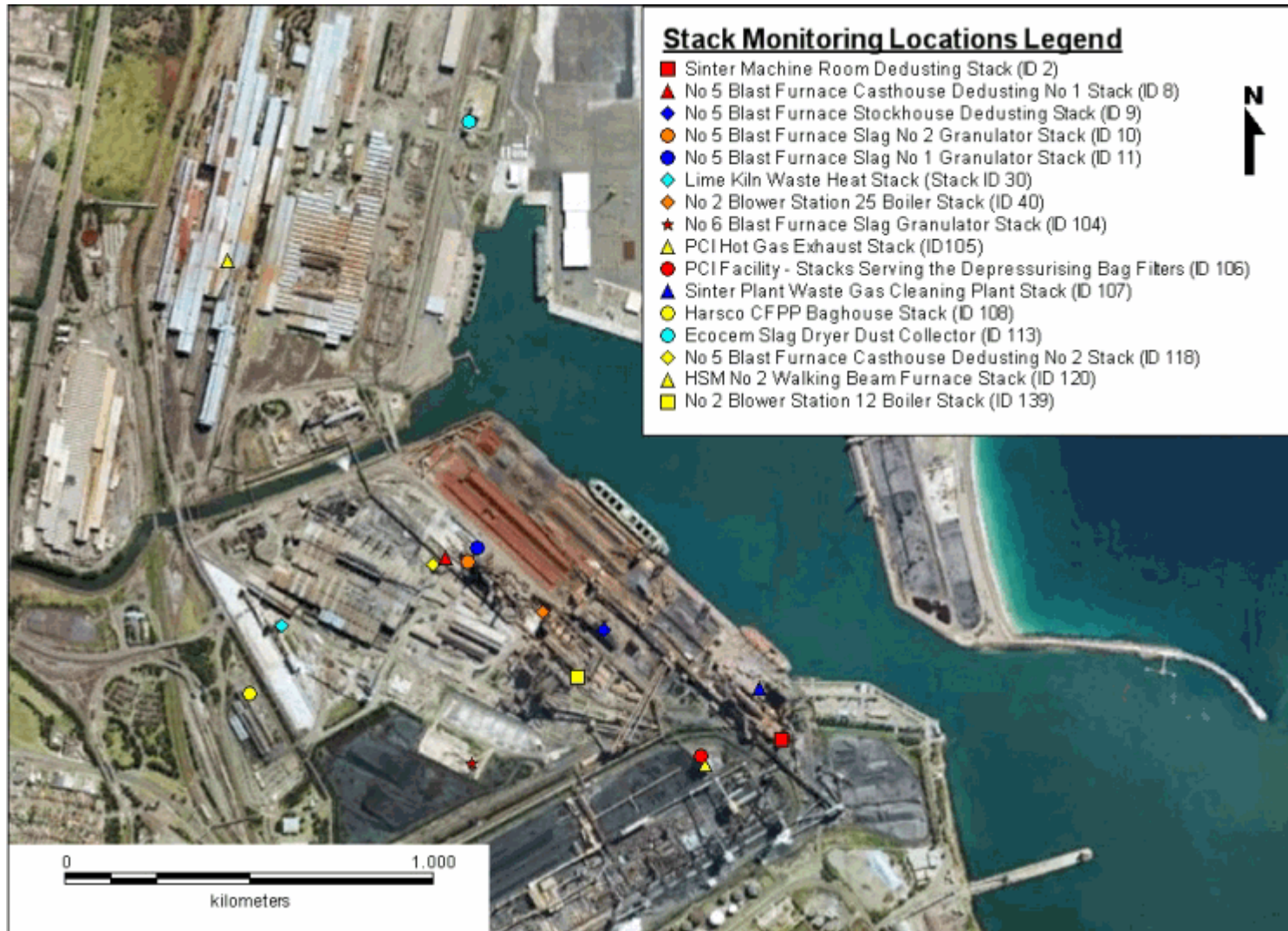
for

1 Mar 2024 to 31 Mar 2024

Monthly (March 2024) Report Published: 11, June, 2024

Stack Air Monitoring Requirements

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





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 (years / no) *
Carbon Dioxide	Percent	Quarterly in duplicate	4	4.6	4.9		no
Dry Gas Density	Kilograms per cubic metre	Quarterly in duplicate	6	1.32	1.32		no
Moisture	Percent	Quarterly in duplicate	6	10	11		no
Molecular Weight of stack gases	grams per gram mole	Quarterly in duplicate	6	29.5	29.5		no
Nitrogen Oxides	Milligrams per cubic metre	Quarterly	3	243	251	2,000.00	no
Oxygen (O2)	Percent	Quarterly in duplicate	4	17	17		no
Sulfuric acid mist and sulphur trioxide (as SO3)	Milligrams per cubic metre	Quarterly in duplicate	2	6.8	8.4	100.00	no
Sulphur Dioxide - UV	Milligrams per cubic metre	Quarterly	3	65	68	1,000.00	no
Temperature	Degrees Celcius	Quarterly in duplicate	6	138	138		no
Velocity	Metres per second	Quarterly in duplicate	6	15	15		no
Volumetric flowrate	Cubic metres per second	Quarterly in duplicate	6	290	300		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	4	0.96	0.975	0.98	0.99
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	3.1	3.1	26.4
Comment: Elevated results due to plant shutdown and startup							

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	0	6.6	6.5	50
Comment: Elevated results due to 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	4	0.043	0.058	0.061	0.068
Fine Particulates	Micrograms per cubic metre	Continuous	Continuous	5	18	18	33
Iron	Micrograms per cubic metre	Every 6 days	5	0.14	1.9	2.1	4.5
Lead	Micrograms per cubic metre	Every 6 days	5	<0.055	<0.055	0.03	0.089
Particulates - Deposited Matter	Grams per square metre per month	Monthly	1	1.4	1.4	1.40	1.4
Polycyclic aromatic hydrocarbons	Nanograms per cubic metre	24 hour period every 6 days.	5	0.61	1.0	0.62	2.2
Total suspended particles	Micrograms per cubic metre	Every 6 days	5	2.7	39	48	61
Zinc	Micrograms per cubic metre	Every 6 days	5	<0.11	0.12	0.06	0.25
Comment:							



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

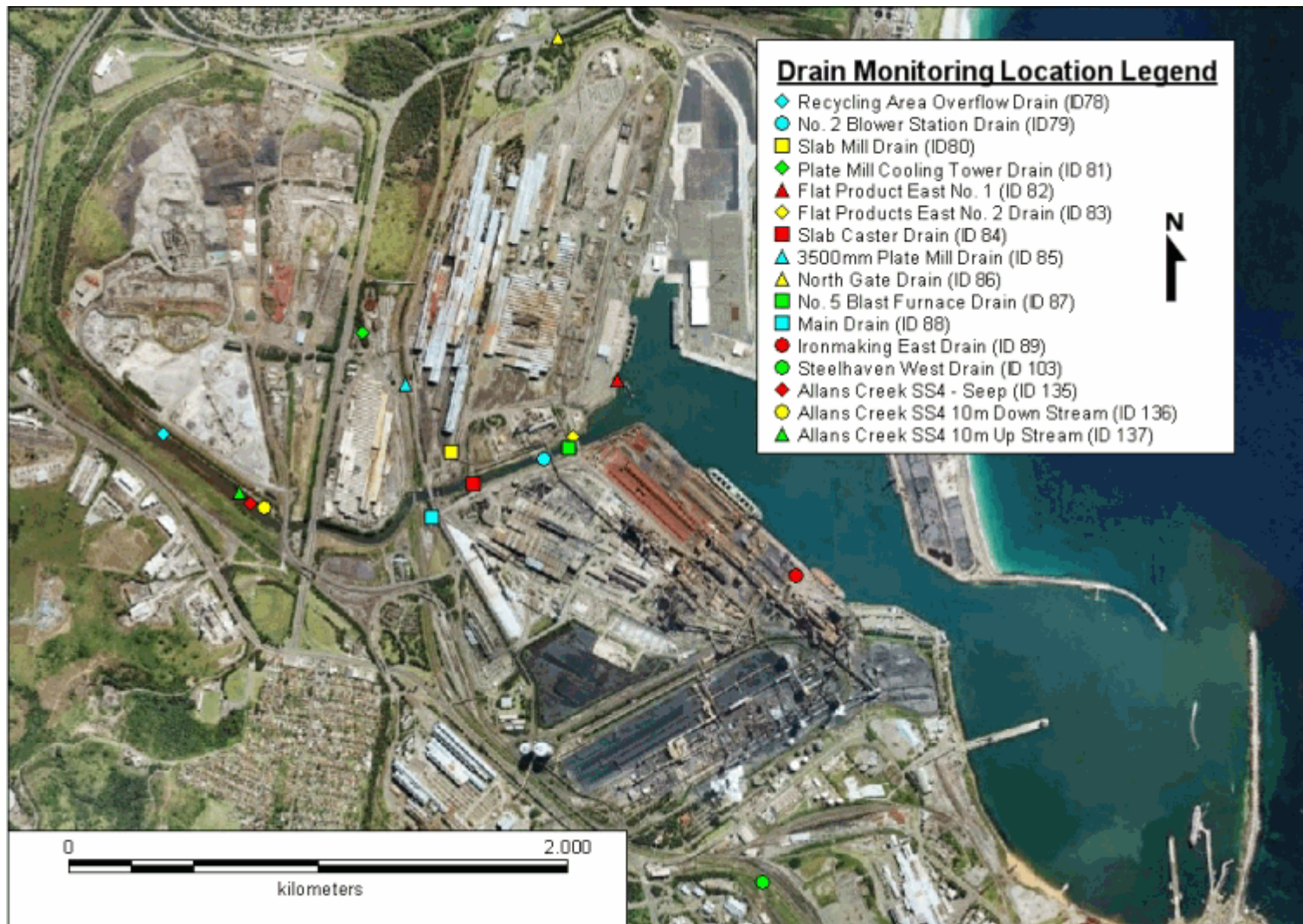
Pollutant	Units of Measure	Monitoring frequency required by licence	No. of times measured during month	Min. Value	Mean Value	Median Value	Max. Value
Benzene	Parts per billion	Every 6 days	4	0.051	0.079	0.073	0.12
Fine Particulates	Micrograms per cubic metre	Continuous	Continuous	6	22	20	44
Iron	Micrograms per cubic metre	Every 6 days	5	2.3	3.8	3.8	5.5
Lead	Micrograms per cubic metre	Every 6 days	5	<0.055	<0.055	0.03	<0.057
Particulates - Deposited Matter	Grams per square metre per month	Monthly	1	1.3	1.3	1.30	1.3
Polycyclic aromatic hydrocarbons	Nanograms per cubic metre	24 hour period every 6 days.	5	0.91	1.5	1.7	2.2
Total suspended particles	Micrograms per cubic metre	Every 6 days	5	57	67	63	88
Zinc	Micrograms per cubic metre	Every 6 days	5	0.14	0.21	0.18	0.38
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	2.0	1.9	3
Lead	Micrograms per cubic metre	Every 6 days	5	<0.055	<0.055	0.03	<0.057
Total suspended particles	Micrograms per cubic metre	Every 6 days	5	7.4	45	56	64
Zinc	Micrograms per cubic metre	Every 6 days	5	<0.11	<0.11	0.06	0.25
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	4	0.00	124
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	11	<0.06	<0.06	5.0 (5.0)	no
Cyanide	Milligrams per litre	Every 8 days	11	<0.02	<0.02	0.30 (0.30)	no
Filtrable Iron	Milligrams per litre	Every 8 days	11	<0.005	0.079	0.3 (0.3)	no
Oil and Grease	Milligrams per litre	Every 8 days	8	<5	<5	20 (50)	no
pH		Every 8 days	11	8	8.1	6.5-9.0 (6.5-9.0)	no
Temperature	Degrees Celcius	Every 8 days	8	28.5	31	40 (40)	no
Total Iron	Milligrams per litre	Every 8 days	11	0.077	0.59	3 (50)	no
Total Suspended Solids	Milligrams per litre	Every 8 days	8	<3	8	50 (500)	no
Total Zinc	Milligrams per litre	Every 8 days	11	<0.05	<0.05	3 (3)	no
Volume of Liquids Discharged	Kilolitres per day	Daily	Continuous	510835	756951		
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	8.5	8.5	6.5-9.0 (0.0-0.0)	no
Volume of Liquids Discharged	Kilolitres per day	Daily	Continuous	290	2019		
Comment:							

Date Obtained: 11/06/2024



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	124	1231		
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	239		
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	25.5	27	35.00	no
Total Suspended Solids	Milligrams per litre	24/year. Min 15 days apart	2	3	3	50.00	no
Volume of Liquids Discharged	Kilolitres per day	Daily	Continuous	30258	31677		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	0.029	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	8.2	6.5-11.0 (6.5-11.0)	no
Temperature	Degrees Celcius	Every 8 days	4	23	25	40 (40)	no
Total Iron	Milligrams per litre	Every 8 days	4	0.11	0.41	7 (100)	no
Total Suspended Solids	Milligrams per litre	Every 8 days	4	<3	10	70 (500)	no
Volume of Liquids Discharged	Kilolitres per day	Daily	Continuous	482	1975		
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	8.1	6.5-9.0 (6.5-9.0)	no
Temperature	Degrees Celcius	24/year. Min 15 days apart	2	23.5	25	40 (40)	no
Total Suspended Solids	Milligrams per litre	24/year. Min 15 days apart	2	4	7	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	28966	60246		
Comment:							

Date Obtained: 11/06/2024



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:							