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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 Sep 2021 to 30 Sep 2021

Monthly (September 2021) Report Published: 19, November, 2021

Date Obtained: 19/11/2021

Stack Air Monitoring Requirements

EPL6092 Conditions L2.4/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	Mean Value	Median Value	Max Value
Opacity	%	Continuous	Continuous	0.8	3.1	2.8	40.5
Comment: Elevated results associated with plant shut down and start up.							

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	0.4	4.7	4.3	41.2
Comment: Elevated results associated with plant shut down and start up.							



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
5	Parts per billion	Every 6 days		0.017	0.064	0.025	0.17
Fine Particulates	Micrograms per cubic metre	Continuous	Continuous	6	16	15	36
Iron	Micrograms per cubic metre	Every 6 days	5	0.33	3.5	2.1	12
Lead	Micrograms per cubic metre	Every 6 days	5	<0.054	<0.054	0.03	<0.056
Particulates - Deposited Matter	Grams per square metre per month	Monthly	1	2	2	2	2
Polycyclic aromatic hydrocarbons	Nanograms per cubic metre	24 hour period every 6 days.	5	0.59	1.1	0.64	2.8
Total suspended particles	Micrograms per cubic metre	Every 6 days	5	20	49	36	110
Zinc	Micrograms per cubic metre	Every 6 days	5	<0.11	<0.11	0.06	0.16
Comment:							



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

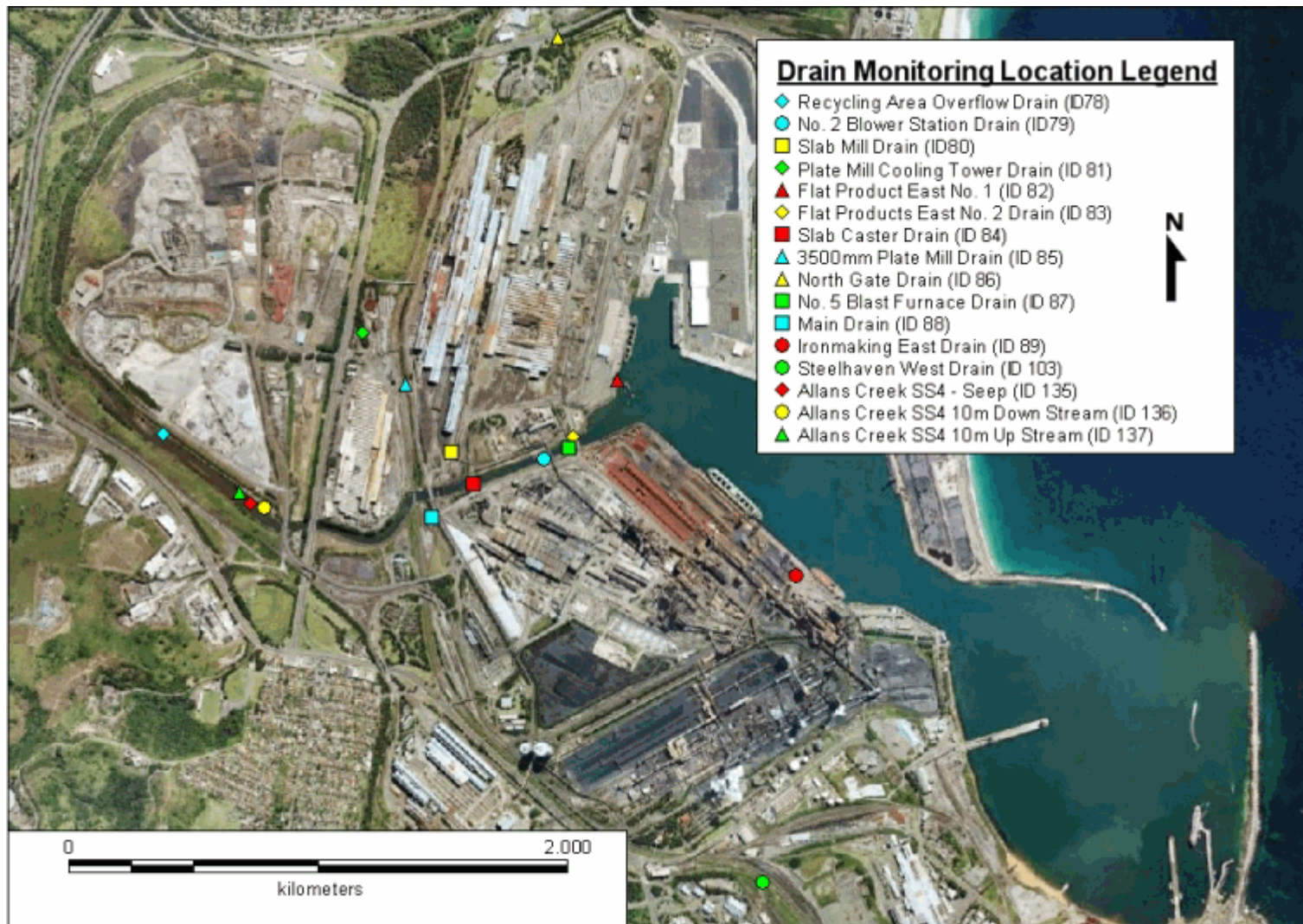
Pollutant	Units of Measure	Monitoring frequency required by licence	No. of times measured during month	Min. Value	Mean Value	Median Value	Max. Value
5	Parts per billion	Every 6 days		0.024	0.052	0.030	0.10
Fine Particulates	Micrograms per cubic metre	Continuous	Continuous	5	19	20	36
Iron	Micrograms per cubic metre	Every 6 days	5	1.4	3.0	2.0	6.2
Lead	Micrograms per cubic metre	Every 6 days	5	<0.054	<0.054	0.03	<0.056
Particulates - Deposited Matter	Grams per square metre per month	Monthly	1	3.5	3.5	3.5	3.5
Polycyclic aromatic hydrocarbons	Nanograms per cubic metre	24 hour period every 6 days.	5	0.59	1.1	0.99	1.7
Total suspended particles	Micrograms per cubic metre	Every 6 days	5	25	54	62	68
Zinc	Micrograms per cubic metre	Every 6 days	5	<0.11	0.14	0.06	0.27
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	0.68	2.1	1.9	3.6
Lead	Micrograms per cubic metre	Every 6 days	5	<0.054	<0.054	0.03	0.075
Total suspended particles	Micrograms per cubic metre	Every 6 days	5	24	50	54	64
Zinc	Micrograms per cubic metre	Every 6 days	5	<0.11	<0.11	0.06	<0.11
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 (yes / no) *
Ammonia	Milligrams per litre	Every 8 days	24	<0.06	0.31	5.0 (5.0)	no
Cyanide	Milligrams per litre	Every 8 days	24	<0.02	0.02	0.30 (0.30)	no
Filtrable Iron	Milligrams per litre	Every 8 days	8	<0.01	0.05	0.3 (0.3)	no
Oil and Grease	Milligrams per litre	Every 8 days	8	<5	<5	20 (50)	no
pH		Every 8 days	8	8.1	8.1	6.5-9.0 (6.5-9.0)	no
Temperature	Degrees Celcius	Every 8 days	8	22	25	40 (40)	no
Total Iron	Milligrams per litre	Every 8 days	8	0.06	0.272	3 (50)	no
Total Suspended Solids	Milligrams per litre	Every 8 days	8	<3	3	50 (500)	no
Total Zinc	Milligrams per litre	Every 8 days	20	<0.05	0.1	3 (3)	no
Volume of Liquids Discharged	Kilolitres per day	Daily	Continuous	655734	790768		
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) *
Volume of Liquids Discharged	Kilolitres per day	Daily	Continuous	374	2600		
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) *
Volume of Liquids Discharged	Kilolitres per day	Daily	Continuous	161	874		
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 (yes / no) *
Volume of Liquids Discharged	Kilolitres per day	Daily	Continuous	0	136		
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 (yes / 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	18	19	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	37185	38638		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	<0.06	<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	<0.01	<0.01	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	17	17	40 (40)	no
Total Iron	Milligrams per litre	Every 8 days	4	0.1	0.22	7 (100)	no
Total Suspended Solids	Milligrams per litre	Every 8 days	4	<3	20	70 (500)	no
Volume of Liquids Discharged	Kilolitres per day	Daily	Continuous	755	1972		
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 (yes / 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	16	16	40 (40)	no
Total Suspended Solids	Milligrams per litre	24/year. Min 15 days apart	2	3	5	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	24246	45429		
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) *
Volume of Liquids Discharged	Kilolitres per day	Daily	Continuous	0	0		
Comment:							