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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

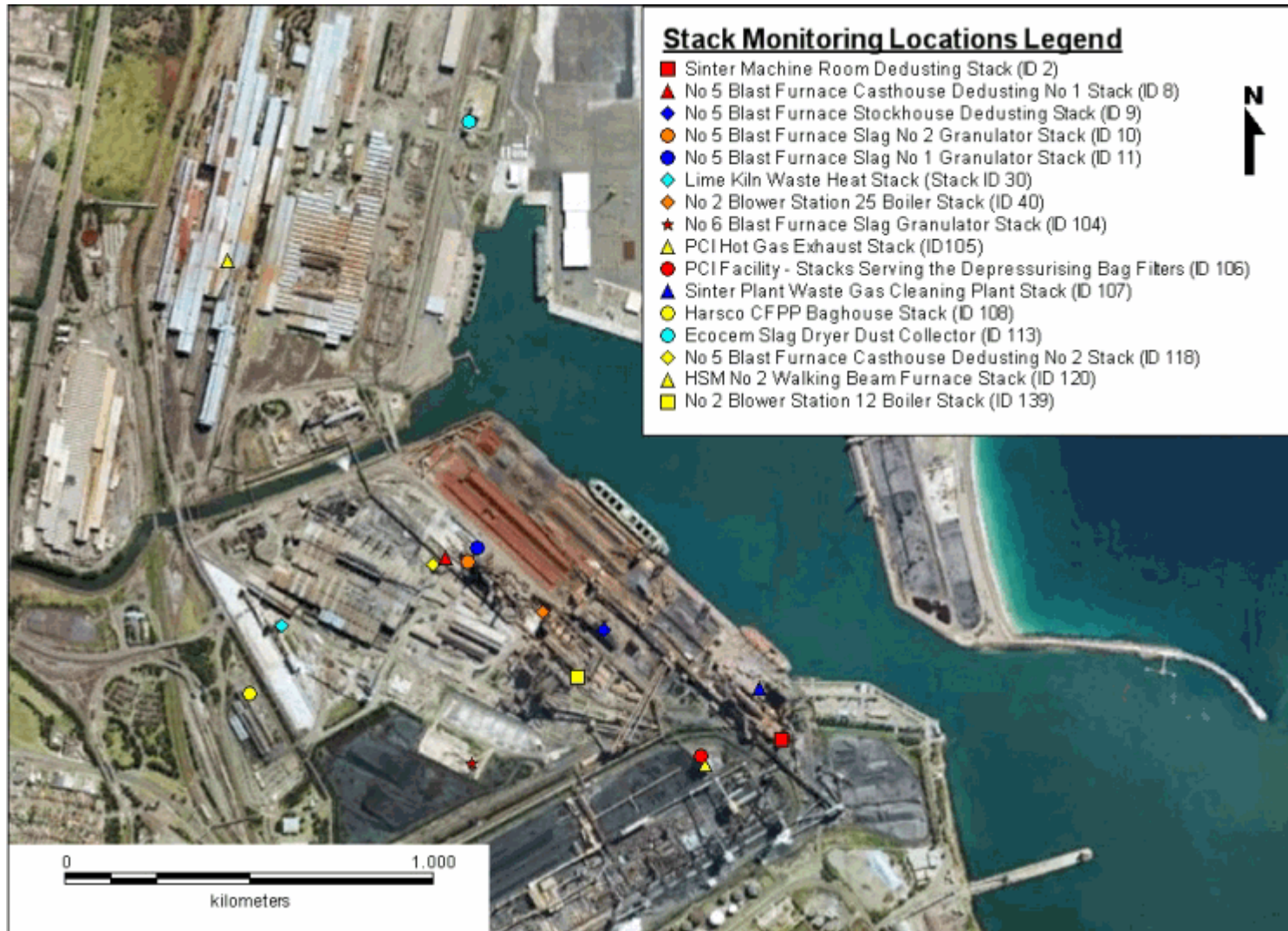
for

1 Feb 2024 to 29 Feb 2024

Monthly (February 2024) Report Published: 7, May, 2024

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	Max Value	100 Percentile Limit	Exceedance (years / no) *
Solid Particles	Milligrams per cubic metre	Quarterly	1	7.2	7.2	50.00	no
Comment:							

Point 40:

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) *
Cadmium (7% Oxygen correction)	Milligrams per cubic metre	Yearly	1	<0.0002	<0.0002	0.10000	no
Carbon Dioxide	Percent	Yearly	16	17	18		no
Carbon Monoxide (7% Oxygen correction)	Milligrams per cubic metre	Yearly	16	<3	<3	400.00	no
Dry Gas Density	Kilograms per cubic metre	Yearly	22	1.39	1.4		no
Mercury (7% Oxygen correction)	Milligrams per cubic metre	Yearly	1	0.0013	0.0013	0.10000	no
Moisture	Percent	Yearly	22	10	11		no
Molecular Weight of stack gases	grams per gram mole	Yearly	22	31	31.3		no
Nitrogen Oxides (7% Oxygen correction)	Milligrams per cubic metre	Yearly	16	104	177	600.00	no
Oxygen (O2)	Percent	Yearly	16	5.4	6.8		no
Solid Particles (7% Oxygen corrected)	Milligrams per cubic metre	Yearly	1	6.4	6.4	30.00	no
Sulphur Dioxide (7% Oxygen correction)	Milligrams per cubic metre	Yearly	17	256	340	1,250.00	no
Temperature	Degrees Celcius	Yearly	22	142	165		no
Type 1 and 2 substances in aggregate (7% Oxygen correction)	Milligrams per cubic metre	Yearly	1	0.033	0.033	1.0000	no
Velocity	Metres per second	Yearly	22	6.9	11		no
Volumetric flowrate	Cubic metres per second	Yearly	22	43	66		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 (years / no) *
Dry Gas Density	Kilograms per cubic metre	Quarterly in duplicate	2	1.32	1.32		no
Fine Particulates	Milligrams per cubic metre	Quarterly in duplicate	1	2.6	2.6		no
Moisture	Percent	Quarterly in duplicate	2	10	10		no
Molecular Weight of stack gases	grams per gram mole	Quarterly in duplicate	2	29.5	29.5		no
Solid Particles	Milligrams per cubic metre	Quarterly in duplicate	1	3.8	3.8	20.00	no
Temperature	Degrees Celcius	Quarterly in duplicate	2	138	138		no
Velocity	Metres per second	Quarterly in duplicate	2	20	20		no
Volumetric flowrate	Cubic metres per second	Quarterly in duplicate	2	390	390		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 (years / no) *
Dry Gas Density	Kilograms per cubic metre	Quarterly	7	1.29	1.29		no
Hydrogen Sulphide	Grams per second	Quarterly	1	1.2	1.2	1.20	no
Moisture	Percent	Quarterly	7	4	8.1		no
Molecular Weight of stack gases	grams per gram mole	Quarterly	7	28.9	28.9		no
Temperature	Degrees Celcius	Quarterly	7	29	42		no
Velocity	Metres per second	Quarterly	7	2.1	3		no
Volumetric flowrate	Cubic metres per second	Quarterly	8	23	32		no
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	0.8	3.4	3.2	36.6
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	7.3	6.7	50.5
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	5	0.018	0.058	0.048	0.11
Fine Particulates	Micrograms per cubic metre	Continuous	Continuous	6	21	19	44
Iron	Micrograms per cubic metre	Every 6 days	5	0.23	4.2	1.5	17
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	1.9	1.9	1.90	1.9
Polycyclic aromatic hydrocarbons	Nanograms per cubic metre	24 hour period every 6 days.	5	0.61	1.7	0.68	4.7
Total suspended particles	Micrograms per cubic metre	Every 6 days	5	22	55	36	130
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)

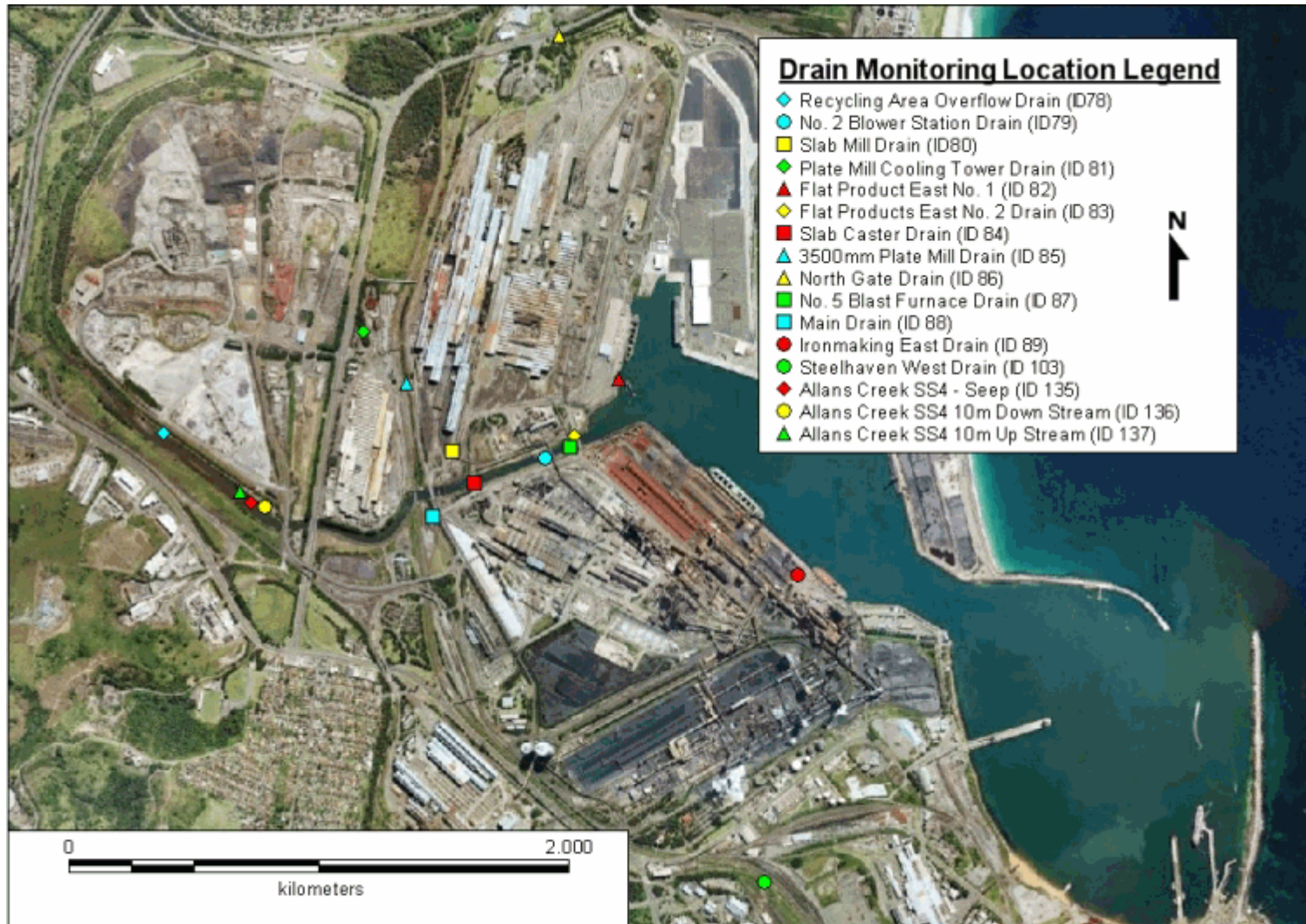
Pollutant	Units of Measure	Monitoring frequency required by licence	No. of times measured during month	Min. Value	Mean Value	Median Value	Max. Value
Benzene	Parts per billion	Every 6 days	5	0.040	0.058	0.047	0.088
Fine Particulates	Micrograms per cubic metre	Continuous	Continuous	11	24	25	42
Iron	Micrograms per cubic metre	Every 6 days	5	1.4	2.5	2.3	3.7
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	2.2	2.2	2.20	2.2
Polycyclic aromatic hydrocarbons	Nanograms per cubic metre	24 hour period every 6 days.	5	0.72	1.0	1.1	1.2
Total suspended particles	Micrograms per cubic metre	Every 6 days	5	33	43	46	52
Zinc	Micrograms per cubic metre	Every 6 days	5	<0.11	<0.11	0.06	0.22
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	0.58	1.9	2.0	3.2
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	30	44	42	59
Zinc	Micrograms per cubic metre	Every 6 days	5	<0.11	<0.11	0.06	0.15
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
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	15.345	0.00	445

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 (ye s / no) *
Ammonia	Milligrams per litre	Every 8 days	5	<0.06	<0.06	5.0 (5.0)	no
Cyanide	Milligrams per litre	Every 8 days	5	<0.02	<0.02	0.30 (0.30)	no
Filtrable Iron	Milligrams per litre	Every 8 days	5	0.0068	0.026	0.3 (0.3)	no
Oil and Grease	Milligrams per litre	Every 8 days	4	<5	10	20 (50)	no
pH		Every 8 days	5	8	8.1	6.5-9.0 (6.5-9.0)	no
Temperature	Degrees Celcius	Every 8 days	4	26	28.5	40 (40)	no
Total Iron	Milligrams per litre	Every 8 days	5	0.088	0.71	3 (50)	no
Total Suspended Solids	Milligrams per litre	Every 8 days	4	4	13	50 (500)	no
Total Zinc	Milligrams per litre	Every 8 days	5	<0.05	<0.05	3 (3)	no
Volume of Liquids Discharged	Kilolitres per day	Daily	Continuous	615949	767499		

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 (ye s / no) *
Volume of Liquids Discharged	Kilolitres per day	Daily	Continuous	330	2820		

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 (years / no) *
Cyanide	Milligrams per litre	Quarterly grab sample . Min 80 days apart	1	<0.02	<0.02	0.30 (0.00)	no
Volume of Liquids Discharged	Kilolitres per day	Daily	Continuous	145	1704		
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) *
Cyanide	Milligrams per litre	Quarterly grab sample . Min 80 days apart	1	<0.02	<0.02	0.15 (0.00)	no
Volume of Liquids Discharged	Kilolitres per day	Daily	Continuous	0	336		
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	23	25	35.00	no
Total Suspended Solids	Milligrams per litre	24/year. Min 15 days apart	2	4	8	50.00	no
Volume of Liquids Discharged	Kilolitres per day	Daily	Continuous	16151	33436		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	3	<0.06	<0.06	10.0 (10.0)	no
Cyanide	Milligrams per litre	Every 8 days	3	<0.02	<0.02	0.30 (0.30)	no
Filtrable Iron	Milligrams per litre	Every 8 days	3	<0.011	0.014	1.5 (1.5)	no
Lead	Milligrams per litre	Every 8 days	3	<0.02	<0.02	0.5 (0.5)	no
Mercury	Micrograms per litre	Every 8 days	3	<0.5	<0.5	1.5 (1.5)	no
pH		Every 8 days	3	8.1	8.3	6.5-11.0 (6.5-11.0)	no
Temperature	Degrees Celcius	Every 8 days	3	22	23	40 (40)	no
Total Iron	Milligrams per litre	Every 8 days	3	0.31	0.60	7 (100)	no
Total Suspended Solids	Milligrams per litre	Every 8 days	3	4	8	70 (500)	no
Volume of Liquids Discharged	Kilolitres per day	Daily	Continuous	1646	1964		
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	22.5	24	40 (40)	no
Total Suspended Solids	Milligrams per litre	24/year. Min 15 days apart	2	8	9	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	29532	50606		
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 (years / no) *
Ammonia	Milligrams per litre	Special frequency 11	0			7.0 (7.0)	no
Copper	Milligrams per litre	Special frequency 11	0			1.000	no
Cyanide	Milligrams per litre	Special frequency 11	0			0.20 (0.20)	no
Fluoride	Milligrams per litre	Special frequency 11	0			50 (50)	no
Total Suspended Solids	Milligrams per litre	Special frequency 11	0			100 (200)	no
Total Zinc	Milligrams per litre	Special frequency 11	0			3 (3)	no
Volume of Liquids Discharged	Kilolitres per day	Daily	Continuous	0	0		
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	<0.06	<0.06	0.0300	<0.06
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	8.8	8.8	8.80	8.8
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	23.5	23.5	23.50	23.5
Comment:							