

Monitoring Data

Monitoring and Complaints Summary

Number of Pollution Complaints

Pollution Complaint Category	Complaints
Air	0
Water	0
Noise	0
Waste	0
Other	0
Total complaints recorded by the licensee during the reporting period	0

Monitoring and Complaints Summary

Groundwater Monitoring

Monitoring Point 1

Groundwater quality monitoring, Groundwater monitoring well shown as "MW01" on the Plan.

Pollutant	Unit of measure	No. of samples required	No. of samples collected and analysed	Lowest sample value	Mean of sample	Highest sample value
Ammonia	milligrams per litre	2	2	3.36	7.18	11
Arsenic (dissolved)	milligrams per litre	2	2	0.012	0.0235	0.035
Cadmium (dissolved)	milligrams per litre	2	2	<0.0001	<0.00015	<0.0002
Copper (dissolved)	milligrams per litre	2	2	0.001	0.0035	0.006
Nitrogen (total)	milligrams per litre	2	2	3.8	7.2	10.6
pH	pH	2	2	6.54	7.22	7.9
Polycyclic aromatic hydrocarbons	micrograms per litre	2	2	<0.001	<0.025	<0.0.5
Standing Water Level	metres	2	2	0.782	0.85	0.935
Zinc (dissolved)	milligrams per litre	2	2	0.018	0.049	0.081

Monitoring Point 2

Groundwater quality monitoring, Groundwater monitoring well shown as "MW02" on the Plan.

Pollutant	Unit of measure	No. of samples required	No. of samples collected and analysed	Lowest sample value	Mean of sample	Highest sample value
Ammonia	milligrams per litre	2	2	2.7	5.29	7.89
Arsenic (dissolved)	milligrams per litre	2	2	<0.001	0.0005	0.001

Cadmium (dissolved)	milligrams per litre	2	2	<0.0001	<0.00015	<0.0002
Copper (dissolved)	milligrams per litre	2	2	0.002	<0.024	0.046
Nitrogen (total)	milligrams per litre	2	2	2.1	5.5	8.9
pH	pH	2	2	6.73	7.15	7.5
Polycyclic aromatic hydrocarbons	micrograms per litre	2	2	<0.001	<0.025	<0.05
Standing Water Level	metres	2	2	0.502	0.561	0.625
Zinc (dissolved)	milligrams per litre	2	2	0.042	0.047	0.052

Monitoring Point 3

Groundwater quality monitoring, Groundwater monitoring well shown as "MW03" on the Plan.

Pollutant	Unit of measure	No. of samples required	No. of samples collected and analysed	Lowest sample value	Mean of sample	Highest sample value
Ammonia	milligrams per litre	2	2	1.98	5.9	10
Arsenic (dissolved)	milligrams per litre	2	2	0.001	0.0015	0.002
Cadmium (dissolved)	milligrams per litre	2	2	<0.0001	0.00015	0.0002
Copper (dissolved)	milligrams per litre	2	2	<0.001	<0.0245	0.048
Nitrogen (total)	milligrams per litre	2	2	2.1	5.35	8.6
pH	pH	2	2	6.58	6.99	7.4
Polycyclic aromatic hydrocarbons	micrograms per litre	2	2	<0.001	<0.0255	<0.05
Standing Water Level	metres	2	2	0.948	1.107	1.266
Zinc (dissolved)	milligrams per litre	2	2	0.024	0.038	0.052

Monitoring Point 4

Groundwater quality monitoring, Groundwater monitoring well shown as "MW04" on the Plan.

Pollutant	Unit of measure	No. of samples required	No. of samples collected and analysed	Lowest sample value	Mean of sample	Highest sample value
Ammonia	milligrams per litre	2	2	3.6	5.7	7.8
Arsenic (dissolved)	milligrams per litre	2	2	0.001	<0.0055	<0.010
Cadmium (dissolved)	milligrams per litre	2	2	0.0002	<0.0006	<0.0010
Copper (dissolved)	milligrams per litre	2	2	<0.001	<0.032	0.063
Nitrogen (total)	milligrams per litre	2	2	1.9	5.4	8.9

pH	pH	2	2	6.24	6.72	7.2
Polycyclic aromatic hydrocarbons	micrograms per litre	2	2	<0.001	<0.2505	<0.5
Standing Water Level	metres	2	2	0.892	0.911	0.931
Zinc (dissolved)	milligrams per litre	2	2	0.01	<0.030	<0.050

Monitoring Point 5

Groundwater quality monitoring, Groundwater monitoring well shown as "MW05" on the Plan.

Pollutant	Unit of measure	No. of samples required	No. of samples collected and analysed	Lowest sample value	Mean of sample	Highest sample value
Ammonia	milligrams per litre	2	2	0.03	0.41	0.79
Arsenic (dissolved)	milligrams per litre	2	2	0.001	0.0115	0.022
Cadmium (dissolved)	milligrams per litre	2	2	0.0006	0.00125	0.0019
Copper (dissolved)	milligrams per litre	2	2	0.023	0.0445	0.066
Nitrogen (total)	milligrams per litre	2	2	0.9	1.1	1.3
pH	pH	2	2	6.26	6.83	7.4
Polycyclic aromatic hydrocarbons	micrograms per litre	2	2	<0.001	<0.030	<0.05
Standing Water Level	metres	2	2	0.1	0.339	0.578
Zinc (dissolved)	milligrams per litre	2	2	0.545	0.63	0.72

Monitoring and Complaints Summary

Discharge Monitoring

Monitoring Point 6

Discharge quality monitoring, Stormwater discharge point shown as "DP1" on the Plan.

Pollutant	Unit of measure	No. of samples required	No. of samples collected and analysed	Lowest sample value	Mean of sample	Highest sample value
Ammonia	milligrams per litre	5	5	0.17	1.38	2.92
Nitrate	milligrams per litre	5	5	1.87	8.71	18.5
Nitrite	milligrams per litre	5	5	0.27	0.99	2.6
Nitrogen (total)	milligrams per litre	5	5	7.6	18.8	36.3
Oil and Grease	milligrams per litre	5	5	<5	<6.8	9
pH	pH	5	5	7.9	8.8	9.83
Phenols	milligrams per litre	5	5	<0.05	<0.05	<0.05

Total Kjeldahl Nitrogen	milligrams per litre	5	5	5.5	9	15.2
Total suspended solids	milligrams per litre	5	5	158	1480	3710

Monitoring Point 7

Discharge quality monitoring, Stormwater discharge point shown as "DP2" on the Plan.

Pollutant	Unit of measure	No. of samples required	No. of samples collected and analysed	Lowest sample value	Mean of sample	Highest sample value
Ammonia	milligrams per litre	5	5	0.57	2.344	7.73
Nitrate	milligrams per litre	5	5	14.7	27.56	35.8
Nitrite	milligrams per litre	5	5	0.03	0.1	0.2
Nitrogen (total)	milligrams per litre	5	5	18.6	34.36	43.5
Oil and Grease	milligrams per litre	5	5	<5	<6.2	11
pH	pH	5	5	7.44	7.61	7.85
Phenols	milligrams per litre	5	5	<0.05	<0.05	<0.05
Total Kjeldahl Nitrogen	milligrams per litre	5	5	3.5	6.72	9.8
Total suspended solids	milligrams per litre	5	5	<5	<36.8	156

Monitoring Point 8

Discharge quality monitoring, Stormwater discharge point shown as "DP3" on the Plan.

Pollutant	Unit of measure	No. of samples required	No. of samples collected and analysed	Lowest sample value	Mean of sample	Highest sample value
Ammonia	milligrams per litre	5	5	0.82	2.99	6.44
Nitrate	milligrams per litre	5	5	12.1	22.68	41.2
Nitrite	milligrams per litre	5	5	0.03	0.15	0.34
Nitrogen (total)	milligrams per litre	5	5	18.7	30.1	46.9
Oil and Grease	milligrams per litre	5	5	<5	6	9
pH	pH	5	5	7.42	7.74	8.71
Phenols	milligrams per litre	5	5	<0.05	<0.05	<0.05
Total Kjeldahl Nitrogen	milligrams per litre	5	5	4.5	7.28	14.9
Total suspended solids	milligrams per litre	5	5	<5	<77	281

Monitoring Point 9

Discharge quality monitoring, Stormwater discharge point shown as "DP4" on the Plan.

Pollutant	Unit of measure	No. of samples required	No. of samples collected and analysed	Lowest sample value	Mean of sample	Highest sample value
Ammonia	milligrams per litre	5	5	0.26	3.14	14
Nitrate	milligrams per litre	5	5	0.83	35.3	160
Nitrite	milligrams per litre	5	5	0.04	0.13	0.2
Nitrogen (total)	milligrams per litre	5	5	1.7	41.3	184
Oil and Grease	milligrams per litre	5	5	<5	<5	<5
pH	pH	5	5	7.13	7.79	9.17
Phenols	milligrams per litre	5	5	<0.05	<0.05	<0.05
Total Kjeldahl Nitrogen	milligrams per litre	5	5	0.8	28.1	23.7
Total suspended solids	milligrams per litre	5	5	<5	28.8	94

Monitoring Point 10

Discharge quality monitoring, Stormwater discharge point shown as "DP5" on the Plan.

Pollutant	Unit of measure	No. of samples required	No. of samples collected and analysed	Lowest sample value	Mean of sample	Highest sample value
Ammonia	milligrams per litre	5	5	<0.01	<0.08	0.2
Nitrate	milligrams per litre	5	5	0.08	0.19	0.31
Nitrite	milligrams per litre	5	5	<0.01	0.026	0.06
Nitrogen (total)	milligrams per litre	5	5	0.9	1.96	4.8
Oil and Grease	milligrams per litre	5	5	<5	<3.1	7
pH	pH	5	5	8.14	8.9	9.62
Phenols	milligrams per litre	5	5	<0.05	<0.05	<0.05
Total Kjeldahl Nitrogen	milligrams per litre	5	5	0.06	1.6	4.7
Total suspended solids	milligrams per litre	5	5	13	389.6	840