

Monitoring Point 1

Pollutant	Unit	1st qtr	2nd qtr	3rd qtr	4th qtr		No. of samples required by licence	No. of samples collected and analysed	Lowest sample value	Mean of sample	Highest sample value
Alkalinity (as calcium carbonate)	mg/l						4	0	N/A	N/A	N/A
Ammonia	mg/l						4	0	N/A	N/A	N/A
Calcium	mg/l						4	0	N/A	N/A	N/A
Chloride*	mg/l						4	0	N/A	N/A	N/A
Chlorinated volatile compounds	mg/l						4	0	N/A	N/A	N/A
Conductivity	dS/m						4	0	N/A	N/A	N/A
Fluoride*	mg/l						4	0	N/A	N/A	N/A
Iron*	mg/l						4	0	N/A	N/A	N/A
Magnesium	mg/l						4	0	N/A	N/A	N/A
Manganese*	mg/l						4	0	N/A	N/A	N/A
Nitrate	mg/l						4	0	N/A	N/A	N/A
pH	pH						4	0	N/A	N/A	N/A
Potassium	mg/l						4	0	N/A	N/A	N/A
Sodium*	mg/l						4	0	N/A	N/A	N/A
Standing Water Level (Bore depth 20m)	m (BGL)						4	4	#NUM!	#DIV/0!	#DIV/0!
Sulphate	mg/l						4	0	N/A	N/A	N/A
Total organic carbon	mg/l						4	0	N/A	N/A	N/A
Total Phenolics	mg/l						4	0	N/A	N/A	N/A

Monitoring Point 2											
Pollutant	Unit	1st qtr	2nd qtr	3rd qtr	4th qtr		No. of samples required by licence	No. of samples collected and analysed	Lowest sample value	Mean of sample	Highest sample value
Alkalinity (as calcium carbonate)	mg/l	421	437	445	411		4	4	411	428.5	445
Ammonia	mg/l	0.1	0.1	0.1	0.1		4	4	0.1	0.1	0.1
Calcium	mg/l	214	174	181	140		4	4	140	177.25	214
Chloride*	mg/l	4440	8760	11100	11000		4	4	4440	8825	11100
Chlorinated volatile compounds	mg/l	0.002	0.002	0.002	0.002		4	4	0.002	0.002	0.002
Conductivity	dS/m	24.7	25.6	25.7	24.6		4	4	24.6	25.15	25.7
Fluoride*	mg/l	0.1	0.1	1	1		4	4	0.1	0.55	1
Iron*	mg/l	0.01	0.01	1	0.01		4	4	0.01	0.2575	1
Magnesium	mg/l	453	975	664	449		4	4	449	635.25	975
Manganese*	mg/l	0.017	0.012	0.007	0.012		4	4	0.007	0.012	0.017
Nitrate	mg/l	4.9	0.1	12	18		4	4	0.1	8.75	18
pH	pH	7.1	0.2	7.3	6.7		4	4	0.2	5.325	7.3
Potassium	mg/l	114	99.2	122	121		4	4	99.2	114.05	122
Sodium*	mg/l	3140	5190	2530	2680		4	4	2530	3385	5190
Standing Water Level (Bore depth)	m (BGL)	4	4	4	4		4	4	4.00	4.00	4.00
Sulphate	mg/l	2340	1900	2340	2070		4	4	1900	2162.5	2340
Total organic carbon	mg/l	9.2	7	1.6	1.3		4	4	1.3	4.775	9.2
Total Phenolics	mg/l	0.5	0.2	0.4	0.4		4	4	0.2	0.375	0.5

Monitoring Point 3											
Pollutant	Unit	1st qtr	2nd qtr	3rd qtr	4th qtr		No. of samples required by licence	No. of samples collected and analysed	Lowest sample value	Mean of sample	Highest sample value
Alkalinity (as calcium carbonate)	mg/l	991	958	1010	1010		4	4	958	992.25	1010
Ammonia	mg/l	0.1	0.1	0.1	0.4		4	4	0.1	0.175	0.4
Calcium	mg/l	191	159	165	141		4	4	141	164	191
Chloride*	mg/l	3600	8350	9360	12400		4	4	3600	8427.5	12400
Chlorinated volatile compounds	mg/l	0.002	0.002	0.002	0.002		4	4	0.002	0.002	0.002
Conductivity	dS/m	24.1	24.8	26	27.6		4	4	24.1	25.625	27.6
Fluoride*	mg/l	0.1	0.1	1	1		4	4	0.1	0.55	1
Iron*	mg/l	0.1	0.23	0.01	0.07		4	4	0.01	0.1025	0.23
Magnesium	mg/l	461	978	734	544		4	4	461	679.25	978
Manganese*	mg/l	2.69	2.6	2.17	2.01		4	4	2.01	2.3675	2.69
Nitrate	mg/l	5.2	0.1	1	1		4	4	0.1	1.825	5.2
pH	pH	7.1	0	7.2	6.5		4	4	0	5.2	7.2
Potassium	mg/l	106	94.7	116	131		4	4	94.7	111.925	131
Sodium*	mg/l	3150	5160	2740	2690		4	4	2690	3435	5160
Standing Water Level (Bore depth 20.0)	m (BGL)	6	5.9	5.8	5.6		4	4	6.00	5.83	5.60
Sulphate	mg/l	2170	1790	2240	2720		4	4	1790	2230	2720
Total organic carbon	mg/l	14	5.6	2.9	1.7		4	4	1.7	6.05	14
Total Phenolics	mg/l	0.2	0.2	0.2	0.2		4	4	0.2	0.2	0.2

Monitoring Point 4											
Pollutant	Unit	1st qtr	2nd qtr	3rd qtr	4th qtr		No. of samples required by licence	No. of samples collected and analysed	Lowest sample value	Mean of sample	Highest sample value
Alkalinity (as calcium carbonate)	mg/l	952	938	976	1020		4	4	938	971.5	1020
Ammonia	mg/l	0.1	0.1	0.2	0.3		4	4	0.1	0.175	0.3
Calcium	mg/l	182	153	187	154		4	4	153	169	187
Chloride*	mg/l	3750	8050	9700	10500		4	4	3750	8000	10500
Chlorinated volatile compounds	mg/l	0.002	0.002	0.002	0.002		4	4	0.002	0.002	0.002
Conductivity	dS/m	23.5	24.5	26.4	27.9		4	4	23.5	25.575	27.9
Fluoride*	mg/l	0.1	0.1	1	1		4	4	0.1	0.55	1
Iron*	mg/l	0.03	0.14	0.12	0.04		4	4	0.03	0.0825	0.14
Magnesium	mg/l	508	1140	881	628		4	4	508	789.25	1140
Manganese*	mg/l	2.64	1.55	1.14	0.5		4	4	0.5	1.4575	2.64
Nitrate	mg/l	5.2	0.1	1	1		4	4	0.1	1.825	5.2
pH	pH	7	6.9	7.1	6.6		4	4	6.6	6.9	7.1
Potassium	mg/l	106	94.8	127	139		4	4	94.8	116.7	139
Sodium*	mg/l	2940	5020	2710	2810		4	4	2710	3370	5020
Standing Water Level (Bore depth 20.0)	m (BGL)	6.5	6.4	6.3	6.1		4	4	6.50	6.33	6.10
Sulphate	mg/l	3300	2620	3400	3180		4	4	2620	3125	3400
Total organic carbon	mg/l	12	7.6	3.2	2		4	4	2	6.2	12
Total Phenolics	mg/l	0.2	0.2	0.2	0.2		4	4	0.2	0.2	0.2

Monitoring Point 5(b)											
Pollutant	Unit	1st qtr	2nd qtr	3rd qtr	4th qtr		No. of samples required by licence	No. of samples collected and analysed	Lowest sample value	Mean of sample	Highest sample value
Alkalinity (as calcium carbonate)	mg/l	684	677	670	654		4	4	654	671.25	684
Ammonia	mg/l	0.1	0.1	0.2	0.4		4	4	0.1	0.2	0.4
Calcium	mg/l	559	313	482	249		4	4	249	400.75	559
Chloride*	mg/l	3630	8000	7610	8940		4	4	3630	7045	8940
Chlorinated volatile compounds	mg/l	0.002	0.002	0.002	0.003		4	4	0.002	0.00225	0.003
Conductivity	dS/m	21.6	21.7	21.3	21.8		4	4	21.3	21.6	21.8
Fluoride*	mg/l	0.1	0.1	1	1		4	4	0.1	0.55	1
Iron*	mg/l	1.26	0.28	0.2	0.33		4	4	0.2	0.5175	1.26
Magnesium	mg/l	582	1160	767	563		4	4	563	768	1160
Manganese*	mg/l	2	1.42	1.74	1.32		4	4	1.32	1.62	2
Nitrate	mg/l	5.6	0.1	1	1		4	4	0.1	1.925	5.6
pH	pH	6.8	6.7	7	6.4		4	4	6.4	6.725	7
Potassium	mg/l	147	113	97	140		4	4	97	124.25	147
Sodium*	mg/l	1970	3180	2690	1930		4	4	1930	2442.5	3180
Standing Water Level (Bore depth 25.0)	m (BGL)	17	16.5	16.3	16		4	4	17.00	16.45	16.00
Sulphate	mg/l	598	526	491	540		4	4	491	538.75	598
Total organic carbon	mg/l	7	6	2.1	1		4	4	1	4.025	7
Total Phenolics	mg/l	0.3	0.4	0.5	0.3		4	4	0.3	0.375	0.5