

EPA Licence Report

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	440	667	440	478		4	4	440	506.25	667
Ammonia	mg/l	0.1	0.6	0.1	1		4	4	0.1	0.45	1
Calcium	mg/l	307	310	264	296		4	4	264	294.25	310
Chloride*	mg/l	7370	7960	11000	8860		4	4	7370	8797.5	11000
Chlorinated volatile compounds	mg/l	0.002	0.002	0.002	0.002		4	4	0.002	0.002	0.002
Conductivity	dS/m	25.7	20.5	24.9	25		4	4	20.5	24.025	25.7
Fluoride*	mg/l	1	1	2	1		4	4	1	1.25	2
Iron*	mg/l	0.01	2.61	0.01	0.01		4	4	0.01	0.66	2.61
Magnesium	mg/l	684	463	597	633		4	4	463	594.25	684
Manganese*	mg/l	0.013	1.28	0.013	0.003		4	4	0.003	0.32725	1.28
Nitrate	mg/l	15.5	1	19	14		4	4	1	12.375	19
pH	pH	6.9	6.5	7.8	7.4		4	4	6.5	7.15	7.8
Potassium	mg/l	113	93.1	93.2	79.3		4	4	79.3	94.65	113
Sodium*	mg/l	4580	916	4560	4600		4	4	916	3664	4600
Standing Water Level (Bore depth)	m (BGL)	6.2	7	5.7	5.6		4	4	7.00	6.125	7
Sulphate	mg/l	1670	755	2380	1890		4	4	755	1673.75	2380
Total organic carbon	mg/l	1.3	12	1.6	2.8		4	4	1.3	4.425	12
Total Phenolics	mg/l	0.5	0.2	0.2	0.4		4	4	0.2	0.325	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	396	1100	1080	1160		4	4	396	934	1160
Ammonia	mg/l	0.1	0.6	0.5	1.8		4	4	0.1	0.75	1.8
Calcium	mg/l	14.4	210	288	403		4	4	14.4	228.85	403
Chloride*	mg/l	58.8	10400	12400	10800		4	4	58.8	8414.7	12400
Chlorinated volatile compounds	mg/l	0.002	0.002	0.004	0.002		4	4	0.002	0.0025	0.004
Conductivity	dS/m	11.9	27.9	28.7	29.6		4	4	11.9	24.525	29.6
Fluoride*	mg/l	1	1	1	1		4	4	1	1	1
Iron*	mg/l	0.16	0.32	0.01	0.01		4	4	0.01	0.125	0.32
Magnesium	mg/l	15	507	770	1040		4	4	15	583	1040
Manganese*	mg/l	0.071	1.95	1.66	0.669		4	4	0.071	1.0875	1.95
Nitrate	mg/l	0.2	1	1	1		4	4	0.2	0.8	1
pH	pH	7.3	6.7	0.2	6.9		4	4	0.2	5.275	7.3
Potassium	mg/l	11.2	101	6.9	99		4	4	6.9	54.525	101
Sodium*	mg/l	244	1240	5610	5400		4	4	244	3123.5	5610
Standing Water Level (Bore depth 20.0)	m (BGL)	7.2	7.9	7.4	7.5		4	4	7.90	7.5	7.9
Sulphate	mg/l	147	2840	3120	4010		4	4	147	2529.25	4010
Total organic carbon	mg/l	38	14	2.9	3		4	4	2.9	14.475	38
Total Phenolics	mg/l	0.6	0.2	0.2	0.2		4	4	0.2	0.3	0.6

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	1090	1080	1100	1160	4	4	1080	1107.5	1160
Ammonia	mg/l	0.8	2.4	0.8	1.3	4	4	0.8	1.325	2.4
Calcium	mg/l	408	265	358	389	4	4	265	355	408
Chloride*	mg/l	8290	11100	11200	9790	4	4	8290	10095	11200
Chlorinated volatile compounds	mg/l	0.002	0.002	0.002	0.002	4	4	0.002	0.002	0.002
Conductivity	dS/m	30	29.2	30	29.9	4	4	29.2	29.775	30
Fluoride*	mg/l	1	1	1	1	4	4	1	1	1
Iron*	mg/l	0.07	0.1	0.01	0.01	4	4	0.01	0.0475	0.1
Magnesium	mg/l	1090	660	980	1010	4	4	660	935	1090
Manganese*	mg/l	1.05	0.79	0.847	0.63	4	4	0.63	0.82925	1.05
Nitrate	mg/l	0.1	1	1	1	4	4	0.1	0.775	1
pH	pH	6.8	6.7	7	6.8	4	4	6.7	6.825	7
Potassium	mg/l	139	104	112	96	4	4	96	112.75	139
Sodium*	mg/l	5430	1230	5310	5450	4	4	1230	4355	5450
Standing Water Level (Bore depth 20.0)	m (BGL)	8.9	8.7	9.4	9.2	4	4	9.40	9.05	9.4
Sulphate	mg/l	2900	4500	3990	3490	4	4	2900	3720	4500
Total organic carbon	mg/l	3.6	7.8	2.5	2.5	4	4	2.5	4.1	7.8
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	652	761	652	492		4	4	492	639.25	761
Ammonia	mg/l	0.3	0.1	0.3	0.2		4	4	0.1	0.225	0.3
Calcium	mg/l	496	114	443	300		4	4	114	338.25	496
Chloride*	mg/l	6700	5000	8060	9540		4	4	5000	7325	9540
Chlorinated volatile compounds	mg/l	0.002	0.002	0.002	0.002		4	4	0.002	0.002	0.002
Conductivity	dS/m	21.4	16.6	20	25.7		4	4	16.6	20.925	25.7
Fluoride*	mg/l	1	1	1	1		4	4	1	1	1
Iron*	mg/l	2.26	0.22	2.18	0.01		4	4	0.01	1.1675	2.26
Magnesium	mg/l	794	266	688	652		4	4	266	600	794
Manganese*	mg/l	1.57	1.8	1.14	0.004		4	4	0.004	1.1285	1.8
Nitrate	mg/l	0.1	1	1	14		4	4	0.1	4.025	14
pH	pH	6.5	6.9	6.9	7.1		4	4	6.5	6.85	7.1
Potassium	mg/l	124	53.2	104	80.6		4	4	53.2	90.45	124
Sodium*	mg/l	2930	934	2790	4650		4	4	934	2826	4650
Standing Water Level (Bore depth 25.0)	m (BGL)	17	17.2	13	14		4	4	17.20	15.3	17.2
Sulphate	mg/l	398	1320	521	2080		4	4	398	1079.75	2080
Total organic carbon	mg/l	44	17	1.7	2.9		4	4	1.7	16.4	44
Total Phenolics	mg/l	0.2	0.2	0.2	0.4		4	4	0.2	0.25	0.4