

EPA Licence Report 2024-2025 Groundwater

Monitoring Point 2						
Pollutant	Unit	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	4	385	418	431
Ammonia	mg/l	4	4	0.1	0.1	0.1
Calcium	mg/l	4	4	255	268.25	283
Chloride*	mg/l	4	4	5630	7370	8130
Chlorinated volatile compounds	mg/l	4	4	0.002	0.0005	0.002
Conductivity	dS/m	4	4	23.4	23.45	23.5
Fluoride*	mg/l	4	4	0.71	0.73	0.75
Iron*	mg/l	4	4	0.01	0.02	0.03
Magnesium	mg/l	4	4	606	509.15	698
Manganese*	mg/l	4	4	0.004	0.0075	0.014
Nitrate	mg/l	4	4	22	24.75	26
pH	pH	4	4	0.2	5.725	7.7
Potassium	mg/l	4	4	69	103.55	173
Sodium*	mg/l	4	4	3740	4112.5	4880
Standing Water Level (Bore depth	m (BGL)	4	4	5.3	5.45	5.6
Sulphate	mg/l	4	4	1500	1600	1700
Total organic carbon	mg/l	4	4	3.2	5.55	7.4
Total Phenolics	mg/l	4	4	0.2	0.2	0.2

Monitoring Point 3						
Pollutant	Unit	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	4	936	1071.5	1120
Ammonia	mg/l	4	4	0.1	0.2	0.5
Calcium	mg/l	4	4	346	402	467
Chloride*	mg/l	4	4	7290	972.25	10700
Chlorinated volatile compounds	mg/l	4	4	0.002	0.002	0.002
Conductivity	dS/m	4	4	30.30	30.725	31.20
Fluoride*	mg/l	4	4	0.64	0.77	0.87
Iron*	mg/l	4	4	0.07	0.253	0.52
Magnesium	mg/l	4	4	83	898.25	1210
Manganese*	mg/l	4	4	0.595	0.862	1.37
Nitrate	mg/l	4	4	0.1	1.225	0.3
pH	pH	4	4	6.9	7.5	7.2
Potassium	mg/l	4	4	93	122.75	165.0
Sodium*	mg/l	4	4	4850	5487.5	6880
Standing Water Level (Bore depth 20.0)	m (BGL)	4	4	6.8	6.975	7.30
Sulphate	mg/l	4	4	2500	3225	3700
Total organic carbon	mg/l	4	4	3.30	4.65	5.30
Total Phenolics	mg/l	4	4	0.2	0.2	0.2

Monitoring Point 4						
Pollutant	Unit	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	4	956	1086.5	1150
Ammonia	mg/l	4	4	0.1	0.375	0.6
Calcium	mg/l	4	4	389	415.75	432
Chloride*	mg/l	4	4	7180	9440	10700
Chlorinated volatile compounds	mg/l	4	4	0.002	0.002	0.002
Conductivity	dS/m	4	4	30.3	30.5	30.8
Fluoride*	mg/l	4	4	0.74	0.785	0.83
Iron*	mg/l	4	4	0.01	0.7425	2.69
Magnesium	mg/l	4	4	761	914.025	1260
Manganese*	mg/l	4	4	0.0825	0.560	0.796
Nitrate	mg/l	4	4	0.1	0.125	0.2
pH	pH	4	4	6.7	6.9	7.2
Potassium	mg/l	4	4	89	116.75	148
Sodium*	mg/l	4	4	4640	5262.25	6130
Standing Water Level (Bore depth 20.0)	m (BGL)	4	4	8.2	8.35	8.5
Sulphate	mg/l	4	4	3300	3525	3800
Total organic carbon	mg/l	4	4	2.2	3.875	4.9
Total Phenolics	mg/l	4	4	0.2	0.2	0.2

Monitoring Point 5						
Pollutant	Unit	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	4	384	418.75	433
Ammonia	mg/l	4	4	0.1	0.1	0.1
Calcium	mg/l	4	4	250	268.75	287
Chloride*	mg/l	4	4	5620	765.25	8970
Chlorinated volatile compounds	mg/l	4	4	0.002	0.002	0.002
Conductivity	dS/m	4	4	22.1	23.175	23.6
Fluoride*	mg/l	4	4	0.71	0.725	0.74
Iron*	mg/l	4	4	0.004	0.194	0.11
Magnesium	mg/l	4	4	56.6	33.65	606
Manganese*	mg/l	4	4	0.004	0.007	0.012
Nitrate	mg/l	4	4	0.1	18.7	26
pH	pH	4	4	7.2	7.425	7.7
Potassium	mg/l	4	4	69	100.85	174
Sodium*	mg/l	4	4	3640	4125	4980
Standing Water Level (Bore depth 25.0)	m (BGL)	4	4	14.2	14.40	14.80
Sulphate	mg/l	4	4	1500	1600	1800
Total organic carbon	mg/l	4	4	2.6	5.57	7.3
Total Phenolics	mg/l	4	4	0.2	0.32	0.4