

1 July 2021



Response - Official Information Request

I refer to your request for information received on 10/06/2021. Your request has been considered under the Local Government Official Information and Meetings Act 1987 (LGOIMA) and I provide the following information.

Request for information for the results of water samples taken from the Waste Water Treatment Plant and also from the Pot/Waiwiri Stream

Waiwiri Stream Water Quality

Below table shows Stream 2, which is an upstream of the Pot. Below tests are required as per the new resource consent conditions and are carried out on a monthly basis.

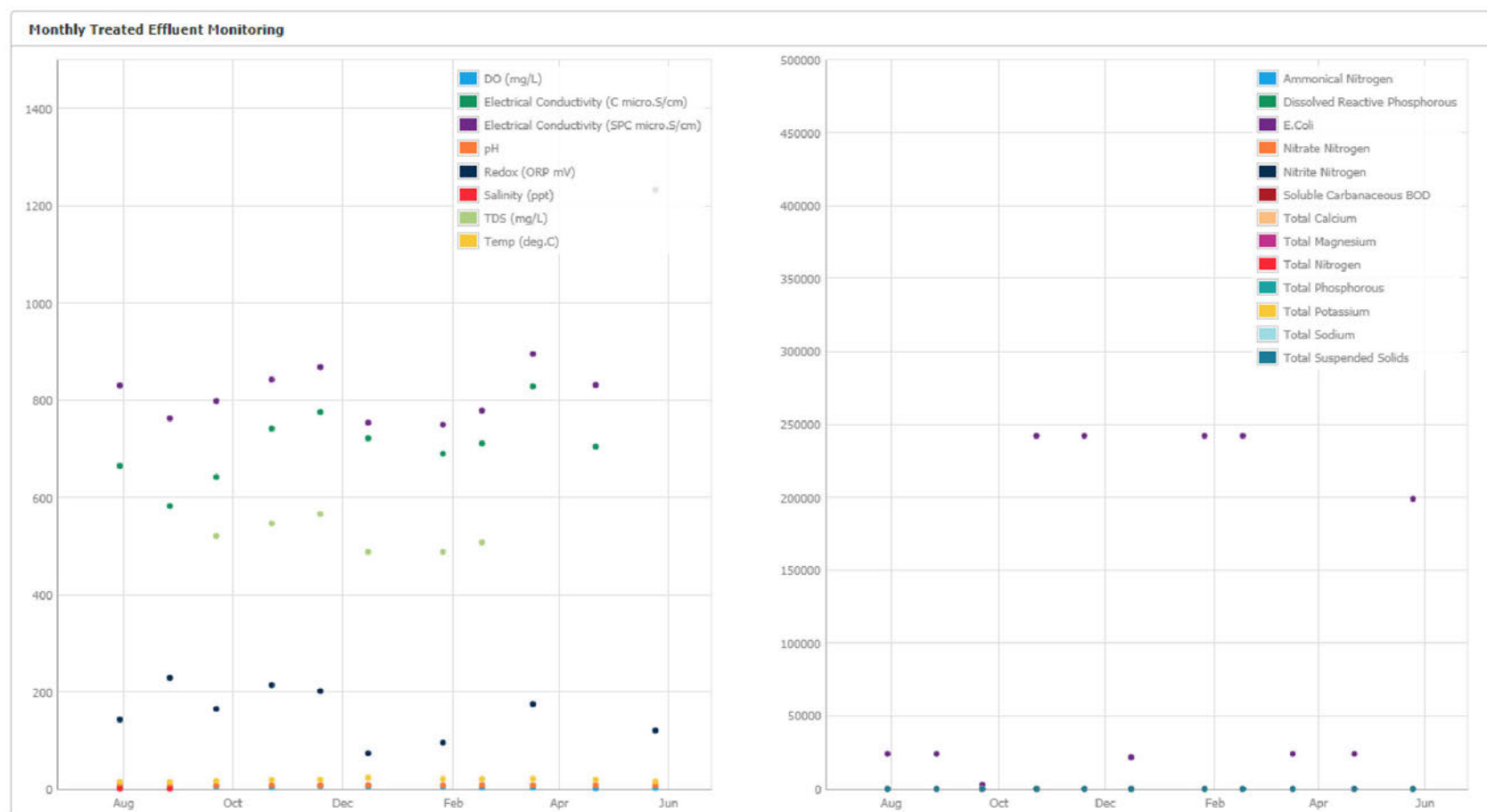
Site	Stream 2 – upstream of Pot															
Parameter	Temp	DO	DO	EC	EC	TDS	pH	Redox	cBOD5	NH ₃ -N	N Total	NO ₂ -N	NO ₃ -N	DRP	P Total	E. coli
Units	°C	%	mg/L	SPC μS/cm	C μS/cm	mg/L	pH units	ORP mV	g/m ³	g/m ³ NH ₃ -N	g/m ³	g/m ³ NO ₂ -N	g/m ³ NO ₃ -N	g/m ³ PO ₄ -P	g/m ³	MPN/ 100 mL
30/07/2020	7.4	73.5	8.83	333.1	221.6		6.89	111.2	1	0.523	2.3	<0.005	0.217	0.089	0.37	576
26/08/2020	13.9	77.0	7.87	318.9	251.4		6.86	165.3	2	0.401	2.4	0.016	0.202	0.120	0.33	1333
22/09/2020	13.7	81.8	8.42	371.7	291.0	241.80	7.18	147.4	2	0.593	2.7	0.009	0.141	0.138	0.40	309
22/10/2020	15.0	74.0	7.42	338.4	274.1	219.70	7.29	213.5	1	0.443	2.4	0.040	0.204	0.057	0.31	2720
19/11/2020	15.8	94.7	9.28	334.3	277.2	217.10	6.91	179.9	2	0.244	1.9	0.034	0.150	0.126	0.26	428
15/12/2020	20.2	59.7	6.80	300.1	273.8	195.00	6.61	152.8	2	0.253	2.4	0.008	0.076	0.128	0.43	135
26/01/2021	18.9	31.4	2.90	330.5	292.2	215.15	7.12	95.6	2	0.462	2.3	<0.005	0.037	0.127	0.32	58
17/02/2021	14.2	39.5	4.10	340.4	270.8	221.00	7.12	132.4	2	0.373	2.6	0.039	0.153	0.117	0.26	683
18/03/2021	14.6	30.8	3.11	350.8	281.9	228.15	7.10	78.4	2	0.136	1.8	<0.010	0.319	0.068	0.21	75
22/04/2021	14.0	28.4	2.80	368.0	291.3	239.20	7.14	748.0	1	0.075	1.9	<0.005	0.310	0.048	0.23	185
25/05/2021	10.3	49.8	5.01	836.0	-	-	7.23	147.5	1	0.900	3.0	0.018	0.586	0.066	0.22	62

Below table shows Stream 4, which is a downstream of the Pot. Below tests are required as per the new resource consent conditions and are carried out on a monthly basis.

Site	Stream 4 – downstream of Pot															
Parameter	Temp	DO	DO	EC	EC	TDS	pH	Redox	cBOD5	NH ₃ -N	N Total	NO ₂ -N	NO ₃ -N	DRP	P Total	E. coli
Units	°C	%	mg/L	SPC µS/cm	C µS/cm	mg/L	pH units	ORP mV	g/m ³	g/m ³ NH ₃ -N	g/m ³	g/m ³ NO ₂ -N	g/m ³ NO ₃ -N	g/m ³ PO ₄ -P	g/m ³	MPN/ 100 mL
30/07/2020	9.4	82.2	9.27	487.6	342.6		7.17	110.8	1	0.582	4.2	<0.005	2.35	0.098	0.39	122
26/08/2020	13.4	81.1	8.40	423.6	329.8		7.09	158.4	2	0.382	3.4	0.030	1.43	0.101	0.31	2910
22/09/2020	14.7	86.9	8.70	484.5	389.2	314.6	7.04	150.4	1	0.427	3.4	0.016	1.45	0.126	0.43	420
22/10/2020	16.0	75.5	7.36	489.0	409.2	317.85	7.22	195.3	1	0.331	3.4	0.051	1.85	0.065	0.23	583
19/11/2020	15.7	85.9	8.38	486.4	403.6	315.90	6.93	177.4	2	0.195	2.8	0.020	1.64	0.088	0.24	183
15/12/2020	16.5	38.8	3.67	430.0	361.9	279.50	6.40	142.3	2	0.257	2.8	0.024	1.17	0.144	0.53	359
26/01/2021	17.6	40.5	3.76	512.1	440.3	332.80	-	-	1	0.199	3.9	<0.005	2.60	0.089	0.19	216
17/02/2021	14.8	37.0	3.68	489.5	395.0	318.50	7.09	153.1	<1	0.097	3.8	0.056	2.44	0.094	0.34	262
18/03/2021	15.0	38.0	3.78	529.1	429.0	343.85	7.03	142.4	2	0.043	4.2	<0.020	2.94	0.079	0.46	74
22/04/2021	14.7	34.6	3.38	522.0	420.8	339.95	7.17	96.9	1	0.061	4.4	<0.005	3.33	0.078	0.54	158
25/05/2021	11.3	43.8	4.74	1023.0	-	-	7.21	128.4	2	0.282	4.7	0.049	3.67	0.069	0.24	52

Treated Effluent Monitoring prior to Land Irrigation

Below table shows monthly sample results which is taken at the pump discharge prior to irrigation at the Pot. Below tests are required as per the new resource consent conditions.



Horowhenua District Council publishes responses to Local Government Official Information and Meetings Act 1987 (LGOIMA) requests that we consider to be of wider public interest, or which relate to a subject that has been widely requested. To protect your privacy, we will not generally publish personal information about you, or information that identifies you. We will publish the LGOIMA response along with a summary of the request on our website. Requests and responses may be paraphrased.

If you have any queries regarding this information, please contact the LGOIMA Officer on 06 366 0999 or email - LGOIMAOfficer@horowhenua.govt.nz

Yours sincerely,



Lisa Slade
Executive Sponsor - LGOIMA