Monthly Compliance Report

Quartzmoor Flat School (sample)

October 2026 (2026-10-01 to 2026-10-31, Pacific/Auckland)

> DRAFT - not signed. A draft is not a record and may change.

Site	Quartzmoor Flat School (sample)
Address	16 Saddlecombe Road, Quartzmoor Flat, Northland (sample address)
Supplier	Te Raki Rural Schools Water Programme (sample)
Period	2026-10-01 00:00 to 2026-10-31 24:00 local (Pacific/Auckland); UTC 2026-09-30T11:00:00.000Z to 2026-10-31T11:00:00.000Z
Jurisdiction	New Zealand (Taumata Arowai)
NZ supply ID	SAMPLE002
Regulator reference	Sample data - not a registered supply
Classification	Self-supplied building (school)
Source	Groundwater
Filtered	yes
Population served	212
Regulator	Taumata Arowai
Report recipients	Hana Ruddock <hana.ruddock@teraki-water.example>
Profile version	1 (saved 2026-07-20 09:25 NZST by hana.ruddock@teraki-water.example)
Gateways	SAMPLE-TR-02 (d_7e0a02, USR-M300)
Rule sets	NZ Self-supplied Buildings Acceptable Solution 2025 (schools, marae, halls) [0741e35180d07b53, a8e1f317913152a5, b017f0c8aafbfe03, f3d6ea7b808609fc]
Report	draft (not signed)
Content SHA-256	`7578a79d2e56717bcf835917364965b4d06c6adfe5761fed654c0d85bf684209`
Snapshot SHA-256	`b5129d19c680243fc1cac7f64914d00834bc21ef5bb0b08ddca6ec80a55a73e8`

People and organisations

Role	Name	Organisation	Phone	Email
Principal	Mere Stannard	Quartzmoor Flat School (sample)	09 000 0124	principal@quartzmoorflat.example
Board contact	Angus Fairbrass	Board of Trustees	09 000 0162	board@quartzmoorflat.example
Caretaker / property manager	Dougal Corfield	Quartzmoor Flat School (sample)	09 000 0125	caretaker@quartzmoorflat.example
Project manager	Hana Ruddock	Te Raki Rural Schools Water Programme (sample)	09 000 0101	hana.ruddock@teraki-water.example
Installer	Pita Hargreave	Northern Tank and Pump (sample)	09 000 0105	install@northerntankpump.example
Service company	Sione Maddock	Clearflow Water Services (sample)	09 000 0106	service@clearflowwater.example
Inspector	Karen Ashby	Drinking water assessor (sample)	09 000 0107	k.ashby@waterassessor.example
Laboratory	Results desk	Northfield Analytical Laboratory (sample)	09 000 0108	results@northfieldlab.example

> In this month: 4 calculation(s); 2 day(s) not met; 30 period(s) out of limits; 0 data gap(s), 0 min; 4 alarm(s); 0 regulator notice(s) recorded; 1 notification case(s), 2 deadline(s) late or not recorded; 27 gateway-day(s) sealed, 4 not yet sealed; 0 differing repeat(s).

1 DAILY VERDICTS

NZ DWQAR 2022 G3 / 2026 G.RR.5; US 141.75(b), 141.721(f)(15); Alberta Standards 1.11.2.2

Gateway SAMPLE-TR-02 (d_7e0a02)

UV lamp within its rated life (the UV controller's lamp life remaining above 0 days): lamp_life > 0, at all times (NZ Self-supplied Buildings Acceptable Solution 2025 (schools, marae, halls))
UV lamp lit whenever water flows (lamp current at least the lit level, A): lamp_current >= 0.15, at all times (NZ Self-supplied Buildings Acceptable Solution 2025 (schools, marae, halls))
Flow through the UV unit never above its rated flow for 40 mJ/cm2 (m3/h; 1 L/min = 0.06 m3/h): flow <= 1.8, at all times (NZ Self-supplied Buildings

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Prepared by WYLA from the site's records. WYLA does not submit reports; the supplier does.
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Acceptable Solution 2025 (schools, marae, halls))
UV off-spec (uv1): UV dose >= 40 mJ/cm2, at all times (NZ Self-supplied Buildings Acceptable Solution 2025 (schools, marae, halls))

Day	UV lamp within its rated life (the UV controller's lamp life remaining above 0 days) (uv_lamp_life)	UV lamp lit whenever water flows (lamp current at least the lit level, A) (uv_lamp_on)	Flow through the UV unit never above its rated flow for 40 mJ/cm2 (m3/h; 1 L/min = 0.06 m3/h) (uv_rated_flow)	UV off-spec (uv1)
2026-10-01	met	met	met	met
2026-10-02	met	met	met	met
2026-10-03	met	met	met	met
2026-10-04	met	met	met	met
2026-10-05	met	met	met	met
2026-10-06	met	met	met	met
2026-10-07	met	met	met	met
2026-10-08	met	met	met	met
2026-10-09	met	met	met	met
2026-10-10	met	met	met	met
2026-10-11	met	met	met	met
2026-10-12	met	met	met	met
2026-10-13	met	met	met	met
2026-10-14	met	met	met	met
2026-10-15	met	NOT MET	met	NOT MET
2026-10-16	met	met	met	met
2026-10-17	met	met	met	met
2026-10-18	met	met	met	met
2026-10-19	met	met	met	met
2026-10-20	met	met	met	met
2026-10-21	met	met	met	met
2026-10-22	met	met	met	met
2026-10-23	met	met	met	met
2026-10-24	met	met	met	met
2026-10-25	met	met	met	met
2026-10-26	met	met	met	met
2026-10-27	met	met	met	met
2026-10-28	met	met	met	met
2026-10-29	met	met	met	met
2026-10-30	met	met	met	met
2026-10-31	met	met	met	met
Month	**met**	NOT MET	**met**	NOT MET
Days not met	**0**	1	**0**	1
Days with no result	0	0	0	0

2 UV: TREATED WITHIN VALIDATED CONDITIONS

US 40 CFR 141.721(f)(15) and 141.720(d)(3)(ii): % of water not treated within validated conditions (by volume - needs a flow totaliser); NZ T3.15 / T3.86 (2026 T3.BU) daily rules

UV off-spec (uv1) - gateway SAMPLE-TR-02 (d_7e0a02)

UV dose >= 40 mJ/cm2, at all times

Month within limits	99.35% by volume
Off-specification	0.65% of the water treated (by volume)
Volume treated	44.6 m3 (0.3 m3 off-spec)

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Day	Operating (min)	Off-spec (min)	No data (min)	% within	Sensor check off-spec (min)	Result
2026-10-01	96	0	0	100	-	met
2026-10-02	95	0	0	100	-	met
2026-10-03	90	0	0	100	-	met
2026-10-04	93	0	0	100	-	met
2026-10-05	91	0	0	100	-	met
2026-10-06	94	0	0	100	-	met
2026-10-07	87	0	0	100	-	met
2026-10-08	88	0	0	100	-	met
2026-10-09	94	0	0	100	-	met
2026-10-10	95	0	0	100	-	met
2026-10-11	92	0	0	100	-	met
2026-10-12	277	0	0	100	-	met
2026-10-13	268	0	0	100	-	met
2026-10-14	295	0	0	100	-	met
2026-10-15	303	28	0	89.51	-	NOT MET
2026-10-16	280	0	0	100	-	met
2026-10-17	98	0	0	100	-	met
2026-10-18	99	0	0	100	-	met
2026-10-19	277	0	0	100	-	met
2026-10-20	271	0	0	100	-	met
2026-10-21	277	0	0	100	-	met
2026-10-22	271	0	0	100	-	met
2026-10-23	277	0	0	100	-	met
2026-10-24	89	0	0	100	-	met
2026-10-25	90	0	0	100	-	met
2026-10-26	94	0	0	100	-	met
2026-10-27	268	0	0	100	-	met
2026-10-28	275	0	0	100	-	met
2026-10-29	276	0	0	100	-	met
2026-10-30	276	0	0	100	-	met
2026-10-31	87	0	0	100	-	met

Every off-specification stretch, joined across midnight:

Start	End	Minutes	Worst	Too long?	Regulator notified
2026-10-15 10:38	2026-10-15 10:41	3	0	no	-
2026-10-15 10:42	2026-10-15 10:48	6	0	no	-
2026-10-15 10:50	2026-10-15 10:51	1	0	no	-
2026-10-15 10:52	2026-10-15 10:53	1	0	no	-
2026-10-15 10:54	2026-10-15 10:55	1	0	no	-
2026-10-15 10:57	2026-10-15 10:59	2	0	no	-
2026-10-15 11:01	2026-10-15 11:05	4	0	no	-
2026-10-15 11:06	2026-10-15 11:07	1	0	no	-
2026-10-15 11:08	2026-10-15 11:09	1	0	no	-
2026-10-15 11:11	2026-10-15 11:13	2	0	no	-
2026-10-15 11:14	2026-10-15 11:16	2	0	no	-
2026-10-15 11:17	2026-10-15 11:18	1	0	no	-
2026-10-15 11:19	2026-10-15 11:20	1	0	no	-
2026-10-15 11:22	2026-10-15 11:23	1	0	no	-

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Start	End	Minutes	Worst	Too long?	Regulator notified
2026-10-15 11:24	2026-10-15 11:25	1	0	no	-

3 TURBIDITY, PH AND OTHER RULES

NZ 2026 G.RR.5 (date, duration, max/min of each non-compliance); US 141.75(b)(2)(ii); Ontario Sched 22-2(2) (duration of each failure)

UV lamp within its rated life (the UV controller's lamp life remaining above 0 days) - gateway SAMPLE-TR-02 (d_7e0a02)

lamp_life > 0, at all times

Day	% within	Periods out / judged	Worst	Longest out (min)	Result
2026-10-01	100	-	193	-	met
2026-10-02	100	-	192	-	met
2026-10-03	100	-	191	-	met
2026-10-04	100	-	190	-	met
2026-10-05	100	-	189	-	met
2026-10-06	100	-	188	-	met
2026-10-07	100	-	187	-	met
2026-10-08	100	-	186	-	met
2026-10-09	100	-	185	-	met
2026-10-10	100	-	184	-	met
2026-10-11	100	-	183	-	met
2026-10-12	100	-	182	-	met
2026-10-13	100	-	181	-	met
2026-10-14	100	-	180	-	met
2026-10-15	100	-	179	-	met
2026-10-16	100	-	178	-	met
2026-10-17	100	-	177	-	met
2026-10-18	100	-	176	-	met
2026-10-19	100	-	175	-	met
2026-10-20	100	-	174	-	met
2026-10-21	100	-	173	-	met
2026-10-22	100	-	172	-	met
2026-10-23	100	-	171	-	met
2026-10-24	100	-	170	-	met
2026-10-25	100	-	169	-	met
2026-10-26	100	-	168	-	met
2026-10-27	100	-	167	-	met
2026-10-28	100	-	166	-	met
2026-10-29	100	-	165	-	met
2026-10-30	100	-	164	-	met
2026-10-31	100	-	163	-	met

No period out of limits in this month.

UV lamp lit whenever water flows (lamp current at least the lit level, A) - gateway SAMPLE-TR-02 (d_7e0a02)

lamp_current >= 0.15, at all times

Day	% within	Periods out / judged	Worst	Longest out (min)	Result
2026-10-01	100	-	0.392	-	met
2026-10-02	100	-	0.392	-	met
2026-10-03	100	-	0.392	-	met
2026-10-04	100	-	0.392	-	met
2026-10-05	100	-	0.392	-	met

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Day	% within	Periods out / judged	Worst	Longest out (min)	Result
2026-10-06	100	-	0.392	-	met
2026-10-07	100	-	0.392	-	met
2026-10-08	100	-	0.392	-	met
2026-10-09	100	-	0.393	-	met
2026-10-10	100	-	0.392	-	met
2026-10-11	100	-	0.392	-	met
2026-10-12	100	-	0.392	-	met
2026-10-13	100	-	0.392	-	met
2026-10-14	100	-	0.392	-	met
2026-10-15	90.76	-	0.02	-	NOT MET
2026-10-16	100	-	0.392	-	met
2026-10-17	100	-	0.392	-	met
2026-10-18	100	-	0.392	-	met
2026-10-19	100	-	0.392	-	met
2026-10-20	100	-	0.392	-	met
2026-10-21	100	-	0.392	-	met
2026-10-22	100	-	0.392	-	met
2026-10-23	100	-	0.392	-	met
2026-10-24	100	-	0.392	-	met
2026-10-25	100	-	0.392	-	met
2026-10-26	100	-	0.392	-	met
2026-10-27	100	-	0.392	-	met
2026-10-28	100	-	0.392	-	met
2026-10-29	100	-	0.392	-	met
2026-10-30	100	-	0.392	-	met
2026-10-31	100	-	0.392	-	met

Start	End	Minutes	Worst	Too long?	Regulator notified
2026-10-15 10:38	2026-10-15 10:41	3	0.02	no	-
2026-10-15 10:42	2026-10-15 10:48	6	0.02	no	-
2026-10-15 10:50	2026-10-15 10:51	1	0.02	no	-
2026-10-15 10:52	2026-10-15 10:53	1	0.02	no	-
2026-10-15 10:54	2026-10-15 10:55	1	0.02	no	-
2026-10-15 10:57	2026-10-15 10:59	2	0.02	no	-
2026-10-15 11:01	2026-10-15 11:05	4	0.02	no	-
2026-10-15 11:06	2026-10-15 11:07	1	0.02	no	-
2026-10-15 11:08	2026-10-15 11:09	1	0.02	no	-
2026-10-15 11:11	2026-10-15 11:13	2	0.02	no	-
2026-10-15 11:14	2026-10-15 11:16	2	0.02	no	-
2026-10-15 11:17	2026-10-15 11:18	1	0.02	no	-
2026-10-15 11:19	2026-10-15 11:20	1	0.02	no	-
2026-10-15 11:22	2026-10-15 11:23	1	0.02	no	-
2026-10-15 11:24	2026-10-15 11:25	1	0.02	no	-

Flow through the UV unit never above its rated flow for 40 mJ/cm2 (m3/h; 1 L/min = 0.06 m3/h) - gateway SAMPLE-TR-02 (d_7e0a02)

flow <= 1.8, at all times

Day	% within	Periods out / judged	Worst	Longest out (min)	Result
2026-10-01	100	-	0.694	-	met

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Day	% within	Periods out / judged	Worst	Longest out (min)	Result
2026-10-02	100	-	0.695	-	met
2026-10-03	100	-	0.662	-	met
2026-10-04	100	-	0.689	-	met
2026-10-05	100	-	0.665	-	met
2026-10-06	100	-	0.69	-	met
2026-10-07	100	-	0.626	-	met
2026-10-08	100	-	0.683	-	met
2026-10-09	100	-	0.603	-	met
2026-10-10	100	-	0.657	-	met
2026-10-11	100	-	0.694	-	met
2026-10-12	100	-	0.995	-	met
2026-10-13	100	-	0.996	-	met
2026-10-14	100	-	0.994	-	met
2026-10-15	100	-	0.996	-	met
2026-10-16	100	-	0.994	-	met
2026-10-17	100	-	0.665	-	met
2026-10-18	100	-	0.645	-	met
2026-10-19	100	-	0.993	-	met
2026-10-20	100	-	0.995	-	met
2026-10-21	100	-	0.995	-	met
2026-10-22	100	-	0.994	-	met
2026-10-23	100	-	0.994	-	met
2026-10-24	100	-	0.626	-	met
2026-10-25	100	-	0.693	-	met
2026-10-26	100	-	0.69	-	met
2026-10-27	100	-	0.994	-	met
2026-10-28	100	-	0.996	-	met
2026-10-29	100	-	0.992	-	met
2026-10-30	100	-	0.995	-	met
2026-10-31	100	-	0.691	-	met

No period out of limits in this month.

4 DAILY MINIMUM, MAXIMUM AND MEAN OF EACH RECORDED READING

Ontario O.Reg 170/03 s.12 (daily minimum, maximum and mean of continuous monitoring); Alberta Standards 1.11.2.3 (monthly min/avg/max)

Pre-filter pressure (B) (bar) - gateway SAMPLE-TR-02 (d_7e0a02)

tag B

Day	Minimum	Maximum	Mean	Periods	Samples
2026-10-01	3.76	4.1	4.025	1440	8640
2026-10-02	3.76	4.1	4.026	1440	8640
2026-10-03	3.761	4.1	4.027	1440	8640
2026-10-04	3.76	4.1	4.026	1440	8640
2026-10-05	3.76	4.1	4.026	1440	8640
2026-10-06	3.763	4.1	4.026	1440	8640
2026-10-07	3.76	4.1	4.027	1440	8640
2026-10-08	3.761	4.1	4.027	1440	8640
2026-10-09	3.76	4.1	4.026	1440	8640
2026-10-10	3.761	4.1	4.026	1440	8640
2026-10-11	3.761	4.1	4.026	1440	8640

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Day	Minimum	Maximum	Mean	Periods	Samples
2026-10-12	3.76	4.1	3.997	1440	8640
2026-10-13	0.57	4.1	3.908	1440	8640
2026-10-14	3.76	4.1	3.994	1440	8640
2026-10-15	3.76	4.1	3.993	1440	8640
2026-10-16	3.76	4.1	3.998	1440	8640
2026-10-17	3.76	4.1	4.024	1440	8640
2026-10-18	3.76	4.1	4.025	1440	8640
2026-10-19	3.76	4.1	3.997	1440	8640
2026-10-20	3.76	4.1	3.998	1440	8640
2026-10-21	3.76	4.1	3.998	1440	8640
2026-10-22	0.57	4.1	3.846	1440	8640
2026-10-23	3.76	4.1	3.997	1440	8640
2026-10-24	3.761	4.1	4.026	1440	8640
2026-10-25	3.762	4.1	4.026	1440	8640
2026-10-26	3.761	4.1	4.025	1440	8640
2026-10-27	3.76	4.1	3.999	1440	8640
2026-10-28	3.76	4.1	3.998	1440	8640
2026-10-29	3.76	4.1	3.998	1440	8640
2026-10-30	3.761	4.1	3.997	1440	8640
2026-10-31	3.761	4.1	4.027	1440	8640

Post-filter pressure (C) (bar) - gateway SAMPLE-TR-02 (d_7e0a02)

tag C

Day	Minimum	Maximum	Mean	Periods	Samples
2026-10-01	3.606	4.08	3.996	1440	8640
2026-10-02	3.599	4.08	3.997	1440	8640
2026-10-03	3.598	4.08	3.998	1440	8640
2026-10-04	3.585	4.08	3.997	1440	8640
2026-10-05	3.581	4.08	3.996	1440	8640
2026-10-06	3.576	4.08	3.996	1440	8640
2026-10-07	3.568	4.08	3.997	1440	8640
2026-10-08	3.564	4.08	3.996	1440	8640
2026-10-09	3.559	4.08	3.995	1440	8640
2026-10-10	3.551	4.08	3.994	1440	8640
2026-10-11	3.545	4.08	3.994	1440	8640
2026-10-12	3.538	4.08	3.94	1440	8640
2026-10-13	0.55	4.08	3.851	1440	8640
2026-10-14	3.528	4.08	3.932	1440	8640
2026-10-15	3.519	4.08	3.928	1440	8640
2026-10-16	3.514	4.08	3.935	1440	8640
2026-10-17	3.653	4.08	3.999	1440	8640
2026-10-18	3.646	4.08	3.999	1440	8640
2026-10-19	3.641	4.08	3.96	1440	8640
2026-10-20	3.635	4.08	3.96	1440	8640
2026-10-21	3.629	4.08	3.958	1440	8640
2026-10-22	0.55	4.08	3.805	1440	8640
2026-10-23	3.615	4.08	3.955	1440	8640
2026-10-24	3.612	4.08	3.999	1440	8640
2026-10-25	3.607	4.08	3.998	1440	8640

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Day	Minimum	Maximum	Mean	Periods	Samples
2026-10-26	3.601	4.08	3.996	1440	8640
2026-10-27	3.592	4.08	3.953	1440	8640
2026-10-28	3.588	4.08	3.95	1440	8640
2026-10-29	3.579	4.08	3.948	1440	8640
2026-10-30	3.575	4.08	3.947	1440	8640
2026-10-31	3.57	4.08	3.997	1440	8640

Treated water tank (F) (pct) - gateway SAMPLE-TR-02 (d_7e0a02)

tag F

Day	Minimum	Maximum	Mean	Periods	Samples
2026-10-01	84.673	90.392	87.527	1440	8640
2026-10-02	86.351	92.063	89.198	1440	8640
2026-10-03	87.411	93.175	90.287	1440	8640
2026-10-04	87.802	93.541	90.664	1440	8640
2026-10-05	87.505	93.254	90.371	1440	8640
2026-10-06	86.534	92.259	89.391	1440	8640
2026-10-07	84.937	90.719	87.824	1440	8640
2026-10-08	82.792	88.564	85.672	1440	8640
2026-10-09	80.206	85.945	83.068	1440	8640
2026-10-10	77.304	83.031	80.162	1440	8640
2026-10-11	74.231	79.976	77.097	1440	8640
2026-10-12	71.136	74.962	73.029	1440	8640
2026-10-13	68.173	72.062	70.078	1440	8640
2026-10-14	65.486	69.121	67.283	1440	8640
2026-10-15	63.209	66.837	65.001	1440	8640
2026-10-16	61.452	65.148	63.28	1440	8640
2026-10-17	60.304	65.988	63.136	1440	8640
2026-10-18	59.819	65.507	62.649	1440	8640
2026-10-19	60.022	63.801	61.888	1440	8640
2026-10-20	60.902	64.723	62.789	1440	8640
2026-10-21	62.417	66.25	64.311	1440	8640
2026-10-22	64.493	68.401	66.437	1440	8640
2026-10-23	67.026	70.79	68.889	1440	8640
2026-10-24	69.892	75.662	72.771	1440	8640
2026-10-25	72.951	78.702	75.821	1440	8640
2026-10-26	76.052	81.773	78.905	1440	8640
2026-10-27	79.042	82.947	80.977	1440	8640
2026-10-28	81.775	85.586	83.667	1440	8640
2026-10-29	84.115	87.963	86.021	1440	8640
2026-10-30	85.949	89.777	87.84	1440	8640
2026-10-31	87.185	92.957	90.068	1440	8640

UV lamp current (G2) (A) - gateway SAMPLE-TR-02 (d_7e0a02)

tag G2

Day	Minimum	Maximum	Mean	Periods	Samples
2026-10-01	0.392	0.428	0.41	1440	8640
2026-10-02	0.392	0.428	0.41	1440	8640
2026-10-03	0.392	0.428	0.41	1440	8640
2026-10-04	0.392	0.428	0.41	1440	8640

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Day	Minimum	Maximum	Mean	Periods	Samples
2026-10-05	0.392	0.428	0.41	1440	8640
2026-10-06	0.392	0.428	0.41	1440	8640
2026-10-07	0.392	0.428	0.41	1440	8640
2026-10-08	0.392	0.428	0.41	1440	8640
2026-10-09	0.392	0.428	0.41	1440	8640
2026-10-10	0.392	0.428	0.41	1440	8640
2026-10-11	0.392	0.428	0.41	1440	8640
2026-10-12	0.392	0.428	0.41	1440	8640
2026-10-13	0	0.428	0.399	1440	8640
2026-10-14	0.392	0.428	0.41	1440	8640
2026-10-15	0.02	0.428	0.397	1440	8640
2026-10-16	0.392	0.428	0.41	1440	8640
2026-10-17	0.392	0.428	0.41	1440	8640
2026-10-18	0.392	0.428	0.41	1440	8640
2026-10-19	0.392	0.428	0.41	1440	8640
2026-10-20	0.392	0.428	0.41	1440	8640
2026-10-21	0.392	0.428	0.41	1440	8640
2026-10-22	0	0.428	0.392	1440	8640
2026-10-23	0.392	0.428	0.41	1440	8640
2026-10-24	0.392	0.428	0.41	1440	8640
2026-10-25	0.392	0.428	0.41	1440	8640
2026-10-26	0.392	0.428	0.41	1440	8640
2026-10-27	0.392	0.428	0.41	1440	8640
2026-10-28	0.392	0.428	0.41	1440	8640
2026-10-29	0.392	0.428	0.41	1440	8640
2026-10-30	0.392	0.428	0.41	1440	8640
2026-10-31	0.392	0.428	0.41	1440	8640

Water flow (H) (L/min) - gateway SAMPLE-TR-02 (d_7e0a02)

tag H

Day	Minimum	Maximum	Mean	Periods	Samples
2026-10-01	0	11.57	0.337	1440	8640
2026-10-02	0	11.59	0.342	1440	8640
2026-10-03	0	11.03	0.303	1440	8640
2026-10-04	0	11.49	0.322	1440	8640
2026-10-05	0	11.09	0.314	1440	8640
2026-10-06	0	11.5	0.332	1440	8640
2026-10-07	0	10.44	0.289	1440	8640
2026-10-08	0	11.38	0.297	1440	8640
2026-10-09	0	10.05	0.322	1440	8640
2026-10-10	0	10.95	0.332	1440	8640
2026-10-11	0	11.56	0.317	1440	8640
2026-10-12	0	16.58	1.798	1440	8640
2026-10-13	0	16.6	1.749	1440	8640
2026-10-14	0	16.56	1.946	1440	8640
2026-10-15	0	16.6	1.951	1440	8640
2026-10-16	0	16.57	1.898	1440	8640
2026-10-17	0	11.08	0.364	1440	8640
2026-10-18	0	10.75	0.361	1440	8640

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Day	Minimum	Maximum	Mean	Periods	Samples
2026-10-19	0	16.55	1.834	1440	8640
2026-10-20	0	16.58	1.802	1440	8640
2026-10-21	0	16.59	1.793	1440	8640
2026-10-22	0	16.57	1.734	1440	8640
2026-10-23	0	16.56	1.845	1440	8640
2026-10-24	0	10.43	0.298	1440	8640
2026-10-25	0	11.55	0.313	1440	8640
2026-10-26	0	11.5	0.335	1440	8640
2026-10-27	0	16.56	1.737	1440	8640
2026-10-28	0	16.6	1.809	1440	8640
2026-10-29	0	16.53	1.781	1440	8640
2026-10-30	0	16.59	1.796	1440	8640
2026-10-31	0	11.51	0.296	1440	8640

Hallett UV: UV dose (mJ/cm2) - gateway SAMPLE-TR-02 (d_7e0a02)

tag uv1.dose_mjcm2

Day	Minimum	Maximum	Mean	Periods	Samples
2026-10-01	51	62	59.766	1440	8640
2026-10-02	50	62	59.773	1440	8640
2026-10-03	51	62	59.827	1440	8640
2026-10-04	50	62	59.8	1440	8640
2026-10-05	51	62	59.797	1440	8640
2026-10-06	51	62	59.747	1440	8640
2026-10-07	51	62	59.763	1440	8640
2026-10-08	50	62	59.803	1440	8640
2026-10-09	52	62	59.777	1440	8640
2026-10-10	51	62	59.736	1440	8640
2026-10-11	51	62	59.819	1440	8640
2026-10-12	46	62	58.719	1440	8640
2026-10-13	0	62	57.179	1440	8640
2026-10-14	47	62	58.608	1440	8640
2026-10-15	0	62	56.785	1440	8640
2026-10-16	46	62	58.652	1440	8640
2026-10-17	51	62	59.765	1440	8640
2026-10-18	51	62	59.76	1440	8640
2026-10-19	47	62	58.69	1440	8640
2026-10-20	47	62	58.731	1440	8640
2026-10-21	47	62	58.747	1440	8640
2026-10-22	0	62	56.124	1440	8640
2026-10-23	47	62	58.693	1440	8640
2026-10-24	51	62	59.813	1440	8640
2026-10-25	50	62	59.76	1440	8640
2026-10-26	51	62	59.758	1440	8640
2026-10-27	47	62	58.776	1440	8640
2026-10-28	47	62	58.75	1440	8640
2026-10-29	47	62	58.77	1440	8640
2026-10-30	47	62	58.713	1440	8640
2026-10-31	51	62	59.758	1440	8640

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Hallett UV: Lamp life remaining (days) - gateway SAMPLE-TR-02 (d_7e0a02)

tag uv1.lamp_days

Day	Minimum	Maximum	Mean	Periods	Samples
2026-10-01	193	193	193	1440	8640
2026-10-02	192	192	192	1440	8640
2026-10-03	191	191	191	1440	8640
2026-10-04	190	190	190	1440	8640
2026-10-05	189	189	189	1440	8640
2026-10-06	188	188	188	1440	8640
2026-10-07	187	187	187	1440	8640
2026-10-08	186	186	186	1440	8640
2026-10-09	185	185	185	1440	8640
2026-10-10	184	184	184	1440	8640
2026-10-11	183	183	183	1440	8640
2026-10-12	182	182	182	1440	8640
2026-10-13	181	181	181	1440	8640
2026-10-14	180	180	180	1440	8640
2026-10-15	179	179	179	1440	8640
2026-10-16	178	178	178	1440	8640
2026-10-17	177	177	177	1440	8640
2026-10-18	176	176	176	1440	8640
2026-10-19	175	175	175	1440	8640
2026-10-20	174	174	174	1440	8640
2026-10-21	173	173	173	1440	8640
2026-10-22	172	172	172	1440	8640
2026-10-23	171	171	171	1440	8640
2026-10-24	170	170	170	1440	8640
2026-10-25	169	169	169	1440	8640
2026-10-26	168	168	168	1440	8640
2026-10-27	167	167	167	1440	8640
2026-10-28	166	166	166	1440	8640
2026-10-29	165	165	165	1440	8640
2026-10-30	164	164	164	1440	8640
2026-10-31	163	163	163	1440	8640

Hallett UV: UV intensity (%) - gateway SAMPLE-TR-02 (d_7e0a02)

tag uv1.uvi_pct

Day	Minimum	Maximum	Mean	Periods	Samples
2026-10-01	90	96	92.98	1440	8640
2026-10-02	90	96	92.991	1440	8640
2026-10-03	90	96	92.958	1440	8640
2026-10-04	90	96	92.988	1440	8640
2026-10-05	90	96	93.006	1440	8640
2026-10-06	90	96	93.011	1440	8640
2026-10-07	90	96	93.004	1440	8640
2026-10-08	90	96	92.99	1440	8640
2026-10-09	90	96	93.001	1440	8640
2026-10-10	90	96	93.034	1440	8640
2026-10-11	90	96	93.05	1440	8640
2026-10-12	90	96	93.028	1440	8640

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Day	Minimum	Maximum	Mean	Periods	Samples
2026-10-13	0	96	90.572	1440	8640
2026-10-14	90	96	93.056	1440	8640
2026-10-15	0	96	89.981	1440	8640
2026-10-16	90	96	93.021	1440	8640
2026-10-17	90	96	93.024	1440	8640
2026-10-18	90	96	93.054	1440	8640
2026-10-19	90	96	93.065	1440	8640
2026-10-20	90	96	93.063	1440	8640
2026-10-21	90	96	93.01	1440	8640
2026-10-22	0	96	88.865	1440	8640
2026-10-23	90	96	93.013	1440	8640
2026-10-24	90	96	93.002	1440	8640
2026-10-25	90	96	92.962	1440	8640
2026-10-26	90	96	92.971	1440	8640
2026-10-27	90	96	93.01	1440	8640
2026-10-28	90	96	92.965	1440	8640
2026-10-29	90	96	93.014	1440	8640
2026-10-30	90	96	93.005	1440	8640
2026-10-31	90	96	93.032	1440	8640

5 DATA GAPS

NZ 2026 G.RR.2/G.RR.5 (every data gap: start, finish, duration; continuous, grab or substituted); 2022 G13 / G17; US 141.74(c)(2) grab samples while an analyser is down

No data gap in this month.

6 GRAB SAMPLES AND CALIBRATION CHECKS

US 141.74(a)(2), EPA UVDGM 6.4.1; NZ T3.91 / 2026 T3.BU.10; Ontario 6-5(1)

Grab samples

No grab sample in this month.

Calibration checks

No calibration check in this month.

7 ALARMS AND REGULATOR NOTICES

BC Design Guidelines B.16 s.13 (monthly alarm summary); US 141.75(b)(2)(ii) and (b)(3)(iii); Ontario s.11(6)(b)

4 alarm(s): red 4, yellow 0, info 0; acknowledged 4, not acknowledged 0; median time to acknowledge 18.5 min; call-out attempts 7.

Raised (local)	Gateway	Alarm	Level	Acknowledged	Cleared
2026-10-13 14:31	SAMPLE-TR-02	Mains power is off at the site	red	2026-10-13 14:58 by service@clearflowwater.example	2026-10-13 15:09
2026-10-15 10:39	SAMPLE-TR-02	UV lamp is off - water may not be disinfected	red	2026-10-15 10:47 by service@clearflowwater.example	2026-10-15 11:25
2026-10-15 11:09	SAMPLE-TR-02	UV treatment missed the site's compliance limit	red	2026-10-15 11:19 by service@clearflowwater.example	2026-10-16 00:10
2026-10-22 03:40	SAMPLE-TR-02	Mains power is off at the site	red	2026-10-22 04:38 by service@clearflowwater.example	2026-10-22 04:44

Regulator notices recorded

Who was told, when and how - recorded by a person; WYLA never contacts a regulator.

No regulator notice recorded for this month.

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8 NOTIFICATION CASES AND THEIR DEADLINES

Each notice a regulation required, its deadline and whether it was met: Ontario O.Reg 170/03 Sch.16-6, 16-7, 16-9; US 141.75(b)(3), 141.405(a)(1); 25 Pa. Code 109.701(a)(3); Alberta AR 277/2003 s.11 and Standards 1.11.2.1; BC Act s.12(3), s.13; NZ Water Services Act s22, s25(5)(a)

Each notice a regulation required: its deadline ("immediately" has no deadline; the time it took is shown) and whether a person recorded making it in time. WYLA never notifies a regulator.

Event (local)	Notice	Deadline	Due (local)	Made	Result
2026-10-15 10:38	UV lamp out while water flowed - drinking water may be unsafe	Notify Taumata Arowai: s21(2)(b): no timeframe in the Act; Taumata Arowai asks for unsafe water "straight away" (shown as the time since the event)	immediately	-	not recorded
		Tell the Ministry of Education / NZSPA: Taumata Arowai, drinking water suppliers - schools: "notify the Water Services Authority and the Ministry of Education" when water may be contaminated (no timeframe stated; shown as the time since the event)	immediately	-	not recorded

9 OPERATOR INPUTS

Values WYLA does not measure at this site. WYLA never estimates them.

Volume treated see the UV results (by volume)

Changes made at the panel

WYLA never changes the equipment: a certified operator made each change at the panel and recorded it; where the gateway reads the setting WYLA looked for the new value (read-back).

No change was recorded in WYLA's control log this month.

10 RECORD INTEGRITY

NZ Water Services Act s179(1)(d)-(e); Ontario O.Reg 128/04 s.27; US 141.33 and 142.16(o)(2)

`Snapshot SHA-256 (the day hashes below, in one hash): b5129d19c680243fc1cac7f64914d00834bc21ef5bb0b08ddca6ec80a55a73e8`

A sealed day is listed with its seal; a day not yet sealed (days seal 8 days after they end) with the hash of exactly what this report was built from, in the seal's own canonical form. When the seal lands WYLA compares the two; if late data changed the day, this report is flagged "restatement needed" and a corrected version is signed - it is never edited.

Gateway	Day	State	Seq	Day SHA-256 (seal content hash, or snapshot hash)
SAMPLE-TR-02	2026-10-01	sealed	3	`73f9428f79e4438d4938e6f3a587ee8154b1dad6b8b516777267bab1010dc6f2`
SAMPLE-TR-02	2026-10-02	sealed	4	`8c0688a534e266eb828a6464cfc84cc94fa7dd68674b0f83686d4feb59bfc92c`
SAMPLE-TR-02	2026-10-03	sealed	5	`00542483465c5c3eda36ec66327e05c80819c2a3c778e35d9d50dee3b27faa2e`
SAMPLE-TR-02	2026-10-04	sealed	6	`479e92dbe2c8b39a4daa8122893df35bab19d996a5e1d1aed4e39686de79f516`
SAMPLE-TR-02	2026-10-05	sealed	7	`c27d13ccbb874b7434c7d59563694116571c1a3289f352ea1e211b8ec544f4c3`
SAMPLE-TR-02	2026-10-06	sealed	8	`4822a1ff0819721d8678a961334986d5fa46af18bb35b87effa475789d2ab16e`
SAMPLE-TR-02	2026-10-07	sealed	9	`f1e0313ecc817fc267f2503415bde0abcb7c5c55793fce1b902f49dc9727d978`
SAMPLE-TR-02	2026-10-08	sealed	10	`0445efde3d95c65ebed50c660ac21931c057736000c404dfcccaa1e0572f60e5`
SAMPLE-TR-02	2026-10-09	sealed	11	`ac4dcbe494a821b35be8ebc0ad32aa34a5aa30311de384cb0c8191d6a0c84295`
SAMPLE-TR-02	2026-10-10	sealed	12	`b9d4c66e9bd973ce3b0aa8f841edc662cdeacbe7a5afa3d4c898bf8ea3cd7cd8`
SAMPLE-TR-02	2026-10-11	sealed	13	`9744a43b227c3919ce92cc83529c1850906aca60a1ed6254441ad6dd2415d2c2`
SAMPLE-TR-02	2026-10-12	sealed	14	`d004aff59ed39b22b52ec794d10174b54f12c310ac0fb0c7cff8e729d4439d0b`
SAMPLE-TR-02	2026-10-13	sealed	15	`859ed9d8cd4c580c9c27f669983f36e43691c13570080a2672c156c2964d4e3c`
SAMPLE-TR-02	2026-10-14	sealed	16	`015f00ae8cb753232409c2a0b8811675b2494ef155b90717331ae76033282cc2`
SAMPLE-TR-02	2026-10-15	sealed	17	`f307151f7a18a588867e5ea823f4f61c931055ac0bfb398abca3c8feae0f6dbc`
SAMPLE-TR-02	2026-10-16	sealed	18	`b22fef37f576b7eeddfce6964ec8a5cf0ac0c54b81d4ae029b7c23e556141a7c`
SAMPLE-TR-02	2026-10-17	sealed	19	`456c8602d3ba39b0d41f2cb392f6c5db30b5973a4efc83eda05765d8a0a93225`
SAMPLE-TR-02	2026-10-18	sealed	20	`21e946a1b3177315c4fff1a1784bad81d9f3ced0be8100d9ee9ef6866d0f6df9`

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Prepared by WYLA from the site's records. WYLA does not submit reports; the supplier does.
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Gateway	Day	State	Seq	Day SHA-256 (seal content hash, or snapshot hash)
SAMPLE-TR-02	2026-10-19	sealed	21	aa51c0ef899379868199fc3fef29f30226f76c15ef4b409cb313a8a444b94232
SAMPLE-TR-02	2026-10-20	sealed	22	e40a1ed48f68b4c5fd9630d73ff45df2f947a73ecef704eea763acd6c610e8d1
SAMPLE-TR-02	2026-10-21	sealed	23	a28fa409a5c5ea17d2e18f585e505cc0bf888ca89a5e9947fdc7048d833bcb58
SAMPLE-TR-02	2026-10-22	sealed	24	defdac9d21ae25ef680ab0c2a47a767578164f51b41f2102f5eb80e9562a0769
SAMPLE-TR-02	2026-10-23	sealed	25	ba4de2c8d47723b94e58f96887298608d006926c8c467f13191e6f0b9660094e
SAMPLE-TR-02	2026-10-24	sealed	26	9ada65623a41140f9360108663226257a2d3b3f468b3712472658d4d0fe0b078
SAMPLE-TR-02	2026-10-25	sealed	27	ab02bea4876d69dc6c5fb9b8adde2f9efe3827b8116640f29b6d08ba2dddff01
SAMPLE-TR-02	2026-10-26	sealed	28	b792b89158e4e1e526ce7f9d951b979dafc86ce83c580a05bb6333f3c54239ba
SAMPLE-TR-02	2026-10-27	sealed	29	b3f5cad07e034f63e958574247284ecc8cf8a427297ced33b391a2b21b31f2e9
SAMPLE-TR-02	2026-10-28	not yet sealed	-	5c86e78a8e50366eaa7b2aea71e96f5a96d3f4cbf77bb95b7a8e32186bbc2c32
SAMPLE-TR-02	2026-10-29	not yet sealed	-	4dc8aa9da43e62d0ec9de24ec84a1f80b9589f29af01b5ffc5d498fa417b2354
SAMPLE-TR-02	2026-10-30	not yet sealed	-	9ba7066fdcbeabf3906c2f7762492d22d32cc1f9ceaf23e8336ba642c946d04f
SAMPLE-TR-02	2026-10-31	not yet sealed	-	b5b683cf1097faa67760ff91675752ab32f61bbf2bf865a5c224a5c0b4aa8690

Differing repeats kept beside the stored records this month: 0. WYLA can check every seal listed here against its records on request, for an auditor or the regulator.

11 SIGN-OFF

> DRAFT - not signed. Signing needs an owner of the site's customer or a named operator, who confirms their identity by signing in again with their passkey moments before signing. The signed version is frozen: a later change is a new version with a reason.

12 WHAT EACH SECTION IS EVIDENCE FOR

Section	Requirement (clause)
Daily verdicts	NZ DWQAR 2022 G3 / 2026 G.RR.5; US 141.75(b), 141.721(f)(15); Alberta Standards 1.11.2.2
Chlorine	US 40 CFR 141.75(b)(2)(i) daily lowest residual; 141.75(b)(2)(ii) every period below the minimum and when the State was notified; 141.403(b)(3) (GWR); WA DOH 331-440-F "DOH notified? Name & Time"
UV	US 40 CFR 141.721(f)(15) and 141.720(d)(3)(ii): % of water not treated within validated conditions (by volume - needs a flow totaliser); NZ T3.15 / T3.86 (2026 T3.BU) daily rules
C.t	US 141.74(b)(3) / 141.75(a)(2) (State-required for filtered systems: TX, WA); NZ T3.2 / T3.4
Periods out of limits	NZ 2026 G.RR.5 (date, duration, max/min of each non-compliance); US 141.75(b)(2)(ii); Ontario Sched 22-2(2) (duration of each failure)
Daily statistics	Ontario O.Reg 170/03 s.12 (daily minimum, maximum and mean of continuous monitoring); Alberta Standards 1.11.2.3 (monthly min/avg/max)
Data gaps	NZ 2026 G.RR.2/G.RR.5 (every data gap: start, finish, duration; continuous, grab or substituted); 2022 G13 / G17; US 141.74(c)(2) grab samples while an analyser is down
Grab samples and calibration checks	US 141.74(a)(2), EPA UVDGM 6.4.1; NZ T3.91 / 2026 T3.BU.10; Ontario 6-5(1)
Alarms and notices	BC Design Guidelines B.16 s.13 (monthly alarm summary); US 141.75(b)(2)(ii) and (b)(3)(iii); Ontario s.11(6)(b)
Notification cases	Each notice a regulation required, its deadline and whether it was met: Ontario O.Reg 170/03 Sch.16-6, 16-7, 16-9; US 141.75(b)(3), 141.405(a)(1); 25 Pa. Code 109.701(a)(3); Alberta AR 277/2003 s.11 and Standards 1.11.2.1; BC Act s.12(3), s.13; NZ Water Services Act s22, s25(5)(a)
Record integrity	NZ Water Services Act s179(1)(d)-(e); Ontario O.Reg 128/04 s.27; US 141.33 and 142.16(o)(2)

DRAFT NOT SIGNED

Prepared by WYLA from the site's records. WYLA does not submit reports; the supplier does.
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