

Waterworks Compliance Inspection - Human Consumptive Use (Part I)

System Name: ELK RIDGE UTILITIES LTD.
WATERWORKS

Remote Inspection ID: 1193626

Approval No: 00002164-05-00

Population: 706

Announced: Yes

Date: 24-SEP-2025 14:08

Person Interviewed: BONNEAU, MICHELE

General Section

Water Supplies in Service : GROUNDWATER

System Classification: ONE WT ONE WD

of Service Connections: 146

System Type: PRIVATE WORKS OVER 18M³/DAY

Service Connection Metering: Yes

Source Inspection Completed: No

Comments:
THE VILLAGE INTENDS TO UPGRADE TO UV DISINFECTION WITH THE NEXT UPGRADE.

Contacts

Name	Position	Phone / Fax	Email
KOWBEL, TERRI	CERTIFIED OPERATOR	Cell: (306) 202-9008	N/A
NELSON, RUSSELL	CERTIFIED OPERATOR	Cell: (306) 961-0637	RUSSELLNELSON43@GMAIL.COM
MCLEOD, EVAN	ENVIRONMENTAL PROJECT OFFICER	Business: (306) 961-8400 Fax: (306) 953-3939	EVAN.MCLEOD@WSASK.CA
SHA, PRINCE ALBERT	OTHER - HEALTH REGION	Phone: (306) 765-6600	PUBLIC.HEALTH.INSPECTION@PAPHR.SK.CA
BONNEAU, MICHELE	ADMINISTRATOR	Phone: (306) 940-9052	INFOELKRIDGE@SASKTEL.NET

Complaints:

N/A

Operator Certification Section

Operator Name	Certification Levels		Expiry Date	Operator is a Supervisor
	Water Distribution	Water Treatment		
KOWBEL, TERRI	ONE	ONE	15-JUN-2026	Yes
NELSON, RUSSELL	NONE	NONE	N/A	No

Test Results

Station #	Sample ID	Location/Comments	Variable	Flag	Measurement	Qualifier
SK05GG0003	2025049300	STAFF KITCHEN	CHLORINE (FREE)	N/A	0.570 mg/l	N/A
"	"	"	CHLORINE (TOTAL)	N/A	0.990 mg/l	N/A
"	"	"	TURBIDITY	N/A	0.170 NTU	N/A
"	2025049301	TOWN SHOP	CHLORINE (FREE)	N/A	0.140 mg/l	N/A
"	"	"	CHLORINE (TOTAL)	N/A	0.540 mg/l	N/A
"	"	"	TURBIDITY	N/A	0.150 NTU	N/A
"	2025049302	OPERATOR RESIDANCE	CHLORINE (FREE)	N/A	0.590 mg/l	N/A
"	"	"	CHLORINE (TOTAL)	N/A	0.960 mg/l	N/A
"	"	"	TURBIDITY	N/A	0.200 NTU	N/A
"	2025049303	EAGLE VIEW CR	CHLORINE (FREE)	N/A	0.660 mg/l	N/A
"	"	"	CHLORINE (TOTAL)	N/A	1.050 mg/l	N/A
"	"	"	TURBIDITY	N/A	0.260 NTU	N/A
"	2025049304	WTP	CHLORINE (FREE)	N/A	0.810 mg/l	N/A
"	"	"	CHLORINE (TOTAL)	N/A	1.240 mg/l	N/A
"	"	"	TURBIDITY	N/A	0.100 NTU	N/A
"	N/A	OP-SPLIT	CHLORINE (FREE)	N/A	0.750 mg/l	N/A
"	"	"	CHLORINE (TOTAL)	N/A	1.270 mg/l	N/A
"	"	"	TURBIDITY	N/A	0.120 NTU	N/A

Human Consumptive Regulatory Section C=Compliant NC=Non-Compliant N/A=Not Applicable

C	NC	NA	General	COMMENTS
X			Valid permit to operate and/or construct EMPA2010 24(1)	PERMIT EXPIRES MARCH 2026
X			Certified operator WWSW 62	
X			Valid water rights license EMPA2010 29(1)	FILE E3/ 4591&4966 EXPIRE NOVEMBER 2029.
X			Copy of permit posted at waterworks EMPA2010 29(1)	

			Wells	
X			Constructed to exclude contaminants WWSW 22(2)	IT IS REPORTED THAT THE BACK-UP WELL CANNOT MEET THE FULL DEMAND OF THE VILLAGE. THIS WELL APPEARS TO BE WITH 20 FOOT OF THE DUTY.
X			Disinfection of new lines & repairs WWSW 22(2)(f)	
			Distribution System	
X			Common trenching WWSW 23(1)(2)	
X			Disinfection of new and repaired pipelines WWSW 23(4)& 27(4)	
			Water Storage Reservoirs	
X			Water tight cover WWSW 24(2)(a)	
X			In good repair WWSW 24(2)(b)	
X			Meets reservoir design requirements (only applies to facilities constructed after June 1, 2015) WWSW 24(2)(c)	
X			Manholes (all manholes must be 150mm above grade, designed and maintained to prevent the entry of water, and locked if located outside WTP) WWSW 24(3)(4).	
X			Pipe entries installed to prevent contamination WWSW 24(5)	
X			Vents WWSW 24(6)	THE VENT IS SCREENED BUT IS LOCATED JUST A FEW CENTIMETERS ABOVE THE TREATMENT PLANT FLOOR. PLEASE CONSIDER RAISING THE VENT TO PREVENT UNINTENTIONAL CONTAMINATION OF THE RESERVOIR.
			Water Treatment Plants and Pumpouses	
X			Floor drainage to drains or sumps WWSW 25(a)	
X			Drain lines to sanitary sewers have trap WWSW 25(b)	
X			Backflow prevention device on treatment component WWSW 25(c)	
X			Water meter(s) installed in WTP or pumphouse WWSW 25(d)	
X			Adjustable chemical feeder WWSW 25(e)	
X			Water quality monitoring and testing equipment is maintained and calibrated as recommended by manufacturer EMPA2010 29(1)	
X			Facility is clean and in orderly condition WWSW 25(f)	
	X		NSF/ANSI 60 Approved chemicals being used and at or below Max. use limit (unless otherwise approved) WWSW 27(3)	DOSING OF HYPOCHLOR12 WAS ABOVE THE MAXIMUM USE LIMIT ON MAY 24, 2024. DOSING IS HIGH BECAUSE OF AMMONIA IN RAW WATER. PLEASE CONTINUE TO MONITOR THE MUL OF HYPOCHLOR 12 IN TREATED WATER.
			Disinfection	
X			Continuous chlorine disinfection (unless otherwise approved per 27(7)) WWSW 27(5)	
X			A free chlorine residual of not less than 0.1 mg/L in water entering the distribution system WWSW 27(6)(a)	
X			A total chlorine residual of not less than 0.5 mg/L OR a free chlorine residual of not less than 0.1 mg/L in water throughout the distribution system WWSW 27(6)(b)	

			Standards	
	X		Bacteriological WWSW 29	A POSITIVE SAMPLE WAS REPORTED AUGUST 11, 2025. THE REPEAT SAMPLE WAS NEGATIVE FOR TOTAL COLIFORM.
X			Chemical standards WWSW 26(2)(3) & 31	
X			Waterworks meets the requirements of future chemical health and pesticide related standards	
			Groundwater	
X			Less than or equal to 1.0 NTU discrete measurements (95%) WWSW 30(2)(e)(i)	
			Assessment	
X			Proper waterworks assessment WWSW 32	
			Operational Anomalies	
X			Reported upset condition WWSW 34(1)	
X			Reported disinfection system upset WWSW 34(2)(a)(b)	
X			Reported missing on-site water quality testing records WWSW 34(2)(c)	
			Testing	
X			Bacteriological testing WWSW 37(2)	
X			Bacteriological follow-up WWSW 37(5) & 37(9)	
X			Bacteriological sample after completion, alteration, extension or repair WWSW 38	
X			Chlorine monitoring WWSW 37(2)(4)	
X			Turbidity monitoring WWSW 37(2)(4)	
			Other Constituents	
X			General chemical sampling conducted WWSW 37(2)(6)	NEXT SAMPLE DUE IN 2027
X			Health and toxicity sampling conducted WWSW 37(2)(6)	NEXT SAMPLE DUE IN 2027
X			Trihalomethane sampling conducted WWSW 37(2)(6)	SOME THM CONCENTRATIONS ARE ABOVE THE STANDARD. COMPLINACE IS ASSESSED ON AN ANNUAL AVERAGE.
X			Accredited laboratory WWSW 37(2)(b)	
			Operational Records	
X			Daily water meter reading WWSW 40(1)(a)	
X			Types, dosages and total amounts of chemical WWSW 40(1)(b)	
X			Samples - locations, sampler, and results WWSW 40(1)(c)	
X			Abnormal operating procedures WWSW 40(1)(d) & 40(1)(e)	
X			Upset conditions (includes water treatment facility and water distribution system upsets) WWSW 40(1)(f)	
X			Chlorine upsets WWSW 40(1)(g)	
X			Calibration records for test equipment WWSW 40(1)(h)	
X			Maintenance WWSW 40(1)(i)	
X			Chronological order WWSW 40(2)(a)	
X			Permittee recorder WWSW 40(2)(b)	
X			Identification of recorder WWSW 40(2)(c)	
X			Five year history of log WWSW 40(2)(d)	
X			Explanatory notes WWSW 40(2)(e)	

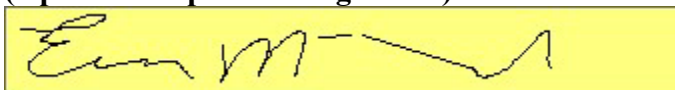
X			Factual data entry WWSW 40(2)(f)	
X			No default values used WWSW 40(2)(g)	
			QA/QC and Recordkeeping Review	
X			QA/QC and ERP in place WWSW 41(1)	NEW QA/QC POLICE HAS BEEN DEVELOPED IN 2024.
X			Monthly review of records by permittee WWSW 41(2)	
X			Report abnormal or missing records WWSW 41(3)	
			Annual Notice To Customers	
X			On water quality and sample submission compliance WWSW 42(1)	
X			Written notice provided to Minister of completion of annual notice to consumers WWSW 42(2)	
			General	
X			Split sampling with the operator was completed	
X			Operator's test equipment appears to be performing adequately	
X			Representative of the waterworks signature was obtained	YES
X			Representative of the waterworks agreed with the inspection statements	YES



(Operator/Supervisor Signature)



Agree with statements



(EPO Signature)