

Waterworks Compliance Inspection - Human Consumptive Use

System Name: VALLEY RIDGE COMMUNITY CO-OP WATERWORKS Remote Inspection ID: 1204194
Approval No: 00055373-03-00
Population: 60 **Announced:** Yes
Date: 24-NOV-2023 09:30 **Person Interviewed:** BEATON, DEBBIE

General Section

Water Supplies in Service : PIPELINE (SURFACE) **System Classification:** NONE **WT** ONE **WD**
of Service Connections: 26 **System Type:** PIPELINE CONNECTED TO MUNICIPAL SYSTEM
Service Connection Metering: Yes **Source Inspection Completed:** No
Comments:

Contacts

Name	Position	Phone / Fax	Email
BEATON, DEBBIE	PRESIDENT	Cell: (306) 313-2080	DEBBIEB@SASKTEL.NET
TATUM, JAMIE	CERTIFIED OPERATOR	Cell: (306) 631-5011	JAMIE.TATUM@HOTMAIL.COM
DAYTON, KERRI	BOARD MEMBER	Cell: (306) 631-6391	K.PACKARD@SASKTEL.NET
WAKEFORD, NICK	VICE PRESIDENT	Cell: (306) 690-3357	NWAKEFORD@SASKTEL.NET
FEHLER, DAVID	ENVIRONMENT OFFICER	Cell: (306) 630-3683	DAVID.FEHLER@WSASK.CA
SHA, MOOSE JAW	OTHER - HEALTH REGION	Phone: (306) 691-2300	PHI@FHHR.CA

Complaints:

N/A

Operator Certification Section

Operator Name	Certification Levels		Expiry Date	Operator is a Supervisor
	Water Distribution	Water Treatment		
TATUM, JAMIE	TWO	NONE	15-NOV-2024	No

Test Results

Station #	Sample ID	Location/Comments	Variable	Flag	Measurement	Qualifier
SK05JG0197	2023066299	24 DAWN ROAD	CHLORINE (FREE)	N/A	0.460 mg/l	N/A
			CHLORINE (TOTAL)	N/A	0.840 mg/l	N/A
			TURBIDITY	N/A	0.140 NTU	N/A
	2023066300	38 MUSTANG	CHLORINE (FREE)	N/A	0.520 mg/l	N/A
			CHLORINE (TOTAL)	N/A	0.900 mg/l	N/A
			TURBIDITY	N/A	0.620 NTU	N/A
N/A	SPLIT	CHLORINE (FREE)	N/A	0.840 mg/l	N/A	
		CHLORINE (TOTAL)	N/A	1.010 mg/l	N/A	

Equipment Validation

Turbidity

Equipment Type	Equipment Name/Number	STD1(L) (Expected, Test)	STD2 (Expected, Test)	STD3 (Expected, Test)	STD4 (Expected, Test)	Result	Gel Standard
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Chlorine

Equipment Type	Equipment Name/Number	STD1 (Expected, Test)	STD2 (Expected, Test)	STD3 (Expected, Test)	Result
OTHER	ORBECO SC450	N/A	N/A	N/A	GOOD

Comment

BACK UP UNIT. LAST SERVICED JUNE 12, 2019 BY A QUALIFIED PERSON.

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)	
X			Certified operator WWSW 62	
X			Valid water rights license EMPA2010 29(1)	WRL# 06293-C019. EXPIRES FEBRUARY 28, 2029.
X			Copy of permit posted at waterworks EMPA2010 29(1)	
			Distribution System	
X			Disinfection of new and repaired pipelines WWSW 23(4)& 27(4)	
			Water Treatment Plants and Pumphouses	
X			Water quality monitoring and testing equipment is maintained and calibrated as recommended by manufacturer EMPA2010 29(1)	
			Disinfection	
X			Continuous chlorine disinfection (unless otherwise approved per 27(7)) WWSW 27(5)	
			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	
X			Chemical standards WWSW 26(2)(3) & 31	
X			Waterworks meets the requirements of future chemical health and pesticide related standards	
			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)	
			Other Constituents	
X			Trihalomethane sampling conducted WWSW 37(2)(6)	THE THM ANNUAL AVERAGE FOR 2022 WAS 52.88 UG/L. THIS IS UNDER THE MAXIMUM ACCEPTABLE CONCENTRATION (MAC) OF 100 UG/L. THE THM ANNUAL AVERAGE FOR 2023 WAS 97.98 UG/L. THIS IS VERY CLOSE TO THE MAC.
X			Accredited laboratory WWSW 37(2)(b)	
			Operational Records	
	X		Daily water meter reading WWSW 40(1)(a)	CURRENT REGULATIONS REQUIRE A DAILY WATER METER READING OF THE QUANTITY OF WATER ENTERING THE DISTRIBUTION SYSTEM. THIS IS CURRENTLY NOT PRACTICAL IN THIS CASE AS THE METER IS LOCATED IN A MANHOLE.
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)	QAQC AND ERP HAS BEEN UPDATED TO REFLECT CURRENT INFORMATION.
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	THE WATER COOPERATIVE IS IN THE PROCESS OF REPLACING THEIR COLORIMETER.
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)