



Waterworks Compliance Inspection

Human Consumptive Use

System Name: BUENA VISTA WATERWORKS **Remote Inspection ID:** 1218132

Approval No: 00002065-06-00

Population: 646 **Announced:** Yes

Date: 14-JUN-2024 13:39 **Person Interviewed:** WARAWA, DAMON

General Section

Water Supplies in Service : GROUNDWATER **System Classification:** ONE WT ONE WD

of Service Connections: 449 **System Type:** MUNICIPAL SYSTEM

Service Connection Metering: Yes **Source Inspection Completed:** No

Contacts

Name	Position	Phone	Email
NEUDECK, JOEL	FOREMAN	(306) 535-8339	N/A
REGINA, SHA	OTHER - HEALTH REGION	(306) 766-7755	ENVIRONMENTALHEALTH@RQHEALTH.CA
WARAWA, DAMON	UNCERTIFIED OPERATOR	(306) 861-7025	N/A
HINDLE, JEFF	ENVIRONMENTAL PROJECT OFFICER	(306) 527-6128	JEFF.HINDLE@WSASK.CA
POLLOCK, MELISSA	ADMINISTRATOR	(306) 729-4385	CAO@BUENAVISTA.CA

Operator Certification Section

Operator Name	Certification Levels		Expiry Date	Operator is a Supervisor
	Water Distribution	Water Treatment		
NEUDECK, JOEL	ONE	ONE	15-MAR-2025	No

Test Results

Station #	Sample ID	Location/Comments	Variable	Measurement
SK05JH0003	2024088240	681 WOODLOT AVENUE	CHLORINE (FREE)	0.910 mg/l
			CHLORINE (TOTAL)	1.110 mg/l
			TURBIDITY	0.130 NTU
	2024088241	TOWN OFFICE	CHLORINE (FREE)	1.200 mg/l
			CHLORINE (TOTAL)	1.330 mg/l
			TURBIDITY	0.110 NTU
	2024088244	BOOSTER	CHLORINE (FREE)	1.000 mg/l
			CHLORINE (TOTAL)	1.210 mg/l
			TURBIDITY	0.100 NTU
	2024088242	WTP	CHLORINE (FREE)	1.440 mg/l
			CHLORINE (TOTAL)	1.520 mg/l
			IRON TOTAL	0.000 mg/l
MANGANESE TOTAL			0.032 mg/l	
TURBIDITY			0.110 NTU	
N/A	2024088243	SPLIT	CHLORINE (FREE)	1.420 mg/l
			CHLORINE (TOTAL)	1.540 mg/l
			TURBIDITY	0.080 NTU

Equipment Validation

Turbidity

Equipment Type	Equipment Name/Number	STD1(L) (Expected, Test)	STD2 (Expected, Test)	STD3 (Expected, Test)	STD4 (Expected, Test)	Result	Gel Standard
HACH 2100Q	1	(10.00, 9.99)	(20.00, 19.50)	(100.00, 97.10)	(800.00, 785.00)	GOOD	N/A
Comment							
LAST SERVICED ON SEPTEMBER 23, 2023							

Chlorine

Equipment Type	Equipment Name/Number	STD1 (Expected, Test)	STD2 (Expected, Test)	STD3 (Expected, Test)	Result
DR900	1	(0.25, 0.24)	(0.87, 0.86)	(1.47, 1.47)	GOOD
Comment					
LAST SERVICED ON SEPTEMBER 23, 2023					

Human Consumptive Regulatory Section

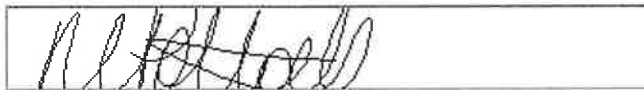
C=Compliant NC=Non-Compliant N/A=Not Applicable

C	NC	NA	General	Comments
X			Valid permit to operate and/or construct EMPA2010 24(1)	
X			Certified operator WWSW 62	DAMON HAS PASSED LEVEL ONE TREATMENT AND DISTRIBUTION, WAITING FOR OCB. RUNNING UNDER JOEL'S CERTIFICATION.
X			Valid water rights license EMPA2010 29(1)	WRL# 1683 - WELL#PW2-82 WRL# 1352 - WELL#1 - BACKUP WELL
X			Copy of permit posted at waterworks EMPA2010 29(1)	
Wells				
X			Constructed to exclude contaminants WWSW 22(2)	
X			Disinfection of new lines & repairs WWSW 22(2)(f)	
Distribution System				
X			Disinfection of new and repaired pipelines WWSW 23(4)& 27(4)	
Water Storage Reservoirs				
X			Water tight cover WWSW 24(2)(a)	

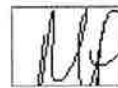
X		In good repair WWSW 24(2)(b)	
X		Meets reservoir design requirements (only applies to facilities constructed after June 1, 2015) WWSW 24(2)(c)	
X		Manholes (all manholes must be 150mm above grade, designed and maintained to prevent the entry of water, and locked if located outside WTP) WWSW 24(3)(4).	
X		Pipe entries installed to prevent contamination WWSW 24(5)	
X		Vents WWSW 24(6)	
Water Treatment Plants and Pumphouses			
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)	2100Q HAS BEEN CALIBRATED MONTHLY AND WEEKLY VERIFICATIONS ARE BEING DONE.
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)	
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	
X		Chemical standards WWSW 26(2)(3) & 31	ARSENIC TEST RESULTS 11-AUG-23 - 2.1UG/L 27-SEPT-23 - 1.6 UG/L 21-NOV-23 - 4.6 UG/L 12-JAN-24 - 8.2 UG/L 15-FEB-24 - 9.8UG/L 15-MAR-24 - 12.8UG/L ACTIVATED ALUMINA MEDIA HAS HELPED REMOVE ARSENIC THAT ONCE CAUSED NON COMPLIANCE.

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)	ALL TEST ARE COMPLETE, PLEASE ENSURE THAT PROPER STICKERS ARE PUT ON SAMPLES SO THAT THEY ARE REPORTED PROPERLY.
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)	LAST COMPLETED FEBRUARY 14, 2023. NEXT DUE IN 2025
X		Health and toxicity sampling conducted WWSW 37(2)(6)	LAST COMPLETED FEBRUARY 14, 2023. NEXT DUE IN 2025
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)	CONTINUE TO DOCUMENT ANY MAINTENANCE AND UPSET CONDITIONS IN THE LOGBOOK.
X		Chlorine upsets WWSW 40(1)(g)	
X		Calibration records for test equipment WWSW 40(1)(h)	CALIBRATIONS ARE RECORDED. PLEASE CONTINUE TO DO SO. NEW STANDARDS NEED TO BE ORDERED.
X		Maintenance WWSW 40(1)(i)	

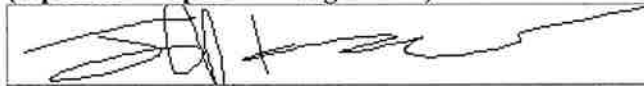
X		Chronological order WWSW 40(2)(a)	
X		Permittee recorder WWSW 40(2)(b)	
X		Identification of recorder WWSW 40(2)(c)	
X		Five year history of log WWSW 40(2)(d)	
X		Explanatory notes WWSW 40(2)(e)	
X		Factual data entry WWSW 40(2)(f)	
X		No default values used WWSW 40(2)(g)	
QA/QC and Recordkeeping Review			
X		QA/QC and ERP in place WWSW 41(1)	QA/QC HAS BEEN UPDATED TO REFLECT THE CHANGES IN THE FACILITY UPGRADE AND STAFF CHANGE. ERP HAS BEEN UPDATED.
X		Monthly review of records by permittee WWSW 41(2)	PLEASE CONTINUE TO HAVE COUNCIL REVIEW, SIGN AND DATE ON THE WTP RECORDS MONTHLY AT COUNCIL MEETINGS.
X		Report abnormal or missing records WWSW 41(3)	
Annual Notice To Customers			
X		On water quality and sample submission compliance WWSW 42(1)	THE 2023 ANNUAL NOTICE TO CONSUMERS HAS BEEN COMPLETED.
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)