

Waterworks Compliance Inspection - Human Consumptive Use

System Name: <u>GRAVELBOURG WATERWORKS</u>	Remote Inspection ID: 1149820
Approval No: <u>00002213-05-00</u>	
Population: <u>1083</u>	Announced: <u>No</u>
Date: <u>29-AUG-2019 09:00</u>	Person Interviewed: <u>AITKEN, DUSTIN</u>

General Section

Water Supplies in Service : <u>PIPELINE (SURFACE)</u>	System Classification: <u>NONE</u> WT <u>ONE</u> WD
# of Service Connections: <u>510</u>	System Type: <u>MUNICIPAL SYSTEM</u>
Service Connection Metering: <u>Yes</u>	Source Inspection Completed: <u>No</u>
Comments:	

Contacts

Name	Position	Phone / Fax	Email
FILSON, SHELDON	CERTIFIED OPERATOR	Cell: (306) 648-7319	N/A
BUSSE, TERRY	OPERATOR	Cell: (306) 650-7600	BUSSET@SASKTEL.NET
AITKEN, DUSTIN	MANAGER	Business: (306) 648-3751 Cell: (306) 648-7144	ENG@GRAVELBOURG.CA

Operator Certification Section

Operator Name	Certification Levels		Expiry Date
	Water Distribution	Water Treatment	
FILSON, SHELDON	ONE	NONE	15-JAN-2021
BUSSE, TERRY	ONE	NONE	15-MAR-2020

Test Results

Station #	Sample ID	Location/Comments	Variable	Flag	Measurement	Qualifier
SK05JA0004	2019069360	SHOP	CHLORINE (FREE)	N/A	0.740 mg/l	N/A
"	"	"	CHLORINE (TOTAL)	N/A	0.850 mg/l	N/A
"	"	"	TURBIDITY	N/A	0.100 NTU	N/A
"	2019069361	CAMPGROUND	CHLORINE (FREE)	N/A	0.400 mg/l	N/A
"	"	"	CHLORINE (TOTAL)	N/A	0.450 mg/l	N/A
"	"	"	TURBIDITY	N/A	0.180 NTU	N/A
"	2019069362	PHARMACY	CHLORINE (FREE)	N/A	0.730 mg/l	N/A
"	"	"	CHLORINE (TOTAL)	N/A	0.790 mg/l	N/A
"	"	"	TURBIDITY	N/A	0.150 NTU	N/A
"	2019069363	AUTOBODY SHOP	CHLORINE (FREE)	N/A	0.780 mg/l	N/A
"	"	"	CHLORINE (TOTAL)	N/A	0.870 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)	
X			Certified operator WWSW 62	
X			Valid water rights license EMPA2010 29(1)	
X			Copy of permit posted at waterworks EMPA2010 29(1)	POSTED AT TOWN SHOP.
			Distribution System	
X			Common trenching WWSW 23(1)(2)	
X			Disinfection of new and repaired pipelines WWSW 23(4)& 27(4)	
			Disinfection	
X			Continuous chlorine disinfection (unless otherwise approved per 27(7)) WWSW 27(5)	DISINFECTION DONE BY SASKWATER AT TREATMENT PLANT.
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	
X			Waterworks meets the requirements of future chemical health and pesticide related standards (July 1, 2020) see Table 3 WWSW 31	
			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)	
			Other Constituents	
X			Trihalomethane sampling conducted WWSW 37(2)(6)	
X			Haloacetic acid sampling conducted WWSW 37(2)(6)	
X			Accredited laboratory WWSW 37(2)(b)	
			Operational Records	
X			Daily water meter reading WWSW 40(1)(a)	
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			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)	

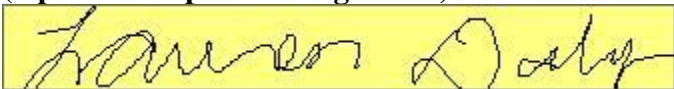
X			Monthly review of records by permittee WWSW 41(2)	RECORDS ARE REVIEWED MONTHLY BY COUNCIL.
X			Report abnormal or missing records WWSW 41(3)	
			Annual Notice To Customers	
X			On water quality and sample submission compliance WWSW 42(1)	
X			Written notice provided to Minister of completion of annual notice to consumers WWSW 42(2)	
			General	
		X	Split sampling with the operator was completed	THE TOWN UTILIZES SASKWATER TESTING EQUIPMENT.
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)