



WHITEHEAD ELTON
REGIONAL WATER CO-OP

2020

ANNUAL REPORT

Board of Directors

President:
Ross Farley

Vice President:
Allan Sutherland

Secretary Treasurer:
Shawna Paulsen

Directors:
Ches Bollman
Cindy Izzard
Trevor Tuttosi

Name of Public Water System:

Whitehead Elton Regional Water Co-operative Inc.

Name of Legal Owner:

Whitehead Elton Regional Water Co-operative Inc.

Contact Person: **Ralph Berg** Manager

(204) 729 6116 Cell

(204) 571 0910 Forrest Reservoir

(204) 752 2378 Water Treatment Plant

Contact Numbers:

Whitehead Elton Regional Water Co-operative Inc.

(204) 729 6116 Cell

(204) 752 2261 R.M. Of Whitehead

(204) 728 7834 R.M. Of Elton

Emergency Numbers:

Whitehead Elton Regional Water Co-operative Inc.

(204) 729 6116 Cell

(204) 730-2867 24 Hour Emergency Line

(204) 752 2261 R.M. Of Whitehead

(204) 728 7834 R.M. Of Elton

Names of Operators:

Ralph Berg

Bo Yeomans

Scott Sul

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1) Introduction:

The 2020 Whitehead Elton Regional Water Cooperative Inc. Annual Report summarizes the water utility's ability to provide safe economical potable water and comply with provincial standards.

2) Description of the Water System:

The Whitehead Elton Regional Water Cooperative Inc. provides potable water to a population of approximately 2400 residents. Corrective Actions were taken and reported as required for normal minor variations during the course of operations. Full results have been attached in Section 3.

The Whitehead Elton Regional Water Cooperative Inc. water system consists of a network of pressure pipelines, a water treatment plant, a booster station, a pressure reducing station and a water storage reservoir. The Whitehead Elton Regional Water Cooperative Inc. owns the Alexander Water Treatment Plant, Dungannan Pressure Reducing Station, Co-op Booster Station and the Forrest Reservoir.

The R.M. of Elton owns three pressure reducing stations and one booster station located east of #10 Highway and north of #1 Highway.

The R.M. of Whitehead owns the pressure reducing station located south of the #1 Highway down Road 115W.

2.1) Water Supply Source

The Whitehead Elton Regional Water Cooperative Inc. receives its water supply from two wells located in the R.M. Of Whitehead. The wells are situated to draw raw water from a sand and gravel aquifer.

The system provides treated water to the R.M. Of Elton, the villages of Forrest and Douglas, the R.M. Of Whitehead, the villages of Alexander and Kemnay and a few residents of the R.M. Of Riverdale and the R.M. Of Cornwallis.

2.11) Water Treatment Process:

The water treatment process is designed to remove hardness, iron, manganese, total dissolved solids, turbidity and arsenic from the raw water supply to meet the water quality standards outlined in the *Guidelines for Canadian Drinking Water Quality (GCDWQ)*. The plant currently provides virus inactivation through chlorine treated water obtaining adequate contact time within the treated water reservoirs.

Re-Chlorination is available at the Forrest Reservoir, but it is not in use. The average daily flow through the Alexander Water Treatment Plant of raw water is 736.26 cubic meters per day, with the plant rated at a maximum daily flow of raw water of 1,814.4 cubic meters per day and a yearly raw water total of 387,000 cubic meters.

Raw water is diverted from a sand and gravel aquifer by two wells located approximately 2.5 km NE of the Alexander Water Treatment Plant. The well pumps deliver water to the WTP through a 150 mm HDPE raw water pipeline. Water passes through the reverse osmosis system to remove hardness, iron, manganese, total dissolved solids and turbidity. Following the membrane unit, permeate water is passed through a membrane contactor to remove carbon dioxide in the permeate water, therefore increasing the pH. Bypass water (raw water) passes through a 1.4 m diameter manganese greensand filter to remove iron and manganese allowing for hardness and pH adjustment in the treated water. A portion of the permeate water is also passed through the greensand filter for arsenic removal. Treated water from the R.O. Unit is pH buffered with Sodium Hydroxide injection and the combined treatment streams are chlorinated prior to entering the 550 cubic meter, six cell reservoir. The distribution pumps send water through a 200 mm pipeline to the distribution system.

Iron and Manganese are metals that cause laundry and plumbing fixture staining problems and can accumulate in the distribution pipes and cause reduced flow. Calcium Carbonate causes hardness in the water which diminishes the ability of the water to react with soap and lather. Hardness also forms scale deposits in kettles, hot water tanks and plumbing fixtures which can reduce their life expectancy.

2.III) Classification and Certification

- The Alexander Water Treatment Plant is a Class 2 water treatment facility.
- The Whitehead Elton Regional Water Co-operative Inc. water distribution system is Class 1.
- The R.M. Of Whitehead's distribution system is Class 1.
- The R.M. Of Elton's distribution system is classed as a Small Distribution System.

The Facility classifications are used to determine certification requirements for the water system operators. The requirements fall under the Water and Wastewater Facility Operators Regulation under the Environment Act.

3) List of Water Quality Standards

3.I) Water Quality Standards and Monitoring Requirements

The Province of Manitoba has adopted several water quality standards from the Health Canada *Guidelines for Canadian Drinking Water Quality*. The health-based parameters express the *maximum acceptable concentrations, or MAC*, for drinking water. Concentration values in excess of the guidelines constitute a health-related issue and require corrective actions. All health-based parameters were within the limits in 2020 for Whitehead Elton Regional Water Co-operative Inc. and both R.M.'s.

All public water systems, PWS, are required to monitor chlorine residual levels daily. Monitoring is done daily at both the Alexander Water Treatment Plant and the Forrest Reservoir. Results are recorded and at the end of each month, results are forwarded to our Provincial Drinking Water Officer. Copies of the originals must be kept on file and on hand for **TWO YEARS** at each facility.

Bacterial Testing for Total Coliforms and E.coli are done every two weeks, with sample sets being separated by at least 12 days. Chlorine residuals are tested in the distribution system at the same time and location as bacterial samples. All results are kept in the files at the Water Treatment Plant for a period of 2 years.

3.II) Drinking Water Officer Annual Reports

PWS 248.70 Whitehead Elton Regional Water Co-operative Inc.

PWS 248.80 R.M. Of Whitehead

PWS 63.50 R.M. Of Elton

January 11, 2021

2020 Annual Compliance Audit

Water System: WHITEHEAD ELTON REGIONAL - PWS	Code: 248.70
Water System Owner: Whitehead Elton Regional Water Cooperative Inc.	Address: General Delivery, Forrest, MB R0K 0W0
Operating Licence: PWS-11-487-01 A	Expiry Date: November 30, 2021
Water System Assessment Due Date: March 1, 2026	Compliance Plan Due Date: N/A
Public Water System Annual Report Due Date: March 31, 2021	Advisory Notification Plan Due Date: May 1, 2021

- 1) This report documents compliance of the Whitehead Elton Regional Public Water System for the period from January 1 to December 31, 2020.
- 2) This report provides specific information on the non-compliance incidents identified in the summary below.
- 3) Other than the information provided in this report, the water supplier has complied with The Drinking Water Safety Act, its supporting regulations, and the terms and conditions of the water system's current operating licence.
- 4) This report is based on information submitted by the water supplier, agents of the water supplier, and / or the Province of Manitoba.
- 5) Where non-compliance items are identified, the issues do not necessarily translate into increased public health risk. The Office of Drinking Water uses processes, including boil water advisories, to notify water users of a public health risk.

Non-compliance with Treatment Standards:

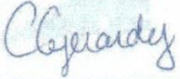
Water system was compliant in the audited time period.

Non-compliance Incidents:

Water system was compliant in the audited time period.

If you have any questions, please do not hesitate to contact me at (204) 570-1405.

Sincerely,



Christine Gerardy
Senior Regional Drinking Water Officer

January 11, 2021

2020 Annual Compliance Audit

Water System: WHITEHEAD (WHITEHEAD ELTON REGIONAL) - PWS	Code: 248.80
Water System Owner: Rural Municipality of Whitehead	Address: Box 107, Alexander, MB R0K 0A0
Operating Licence: PWS-12-521-01	Expiry Date: November 30, 2022
Water System Assessment Due Date: March 1, 2024	Compliance Plan Due Date: N/A
Public Water System Annual Report Due Date: N/A	Advisory Notification Plan Due Date: N/A

- 1) This report documents compliance of the Whitehead (Whitehead Elton Regional) Public Water System for the period from January 1 to December 31, 2020.
- 2) This report provides specific information on the non-compliance incidents identified in the summary below.
- 3) Other than the information provided in this report, the water supplier has complied with The Drinking Water Safety Act, its supporting regulations, and the terms and conditions of the water system's current operating licence.
- 4) This report is based on information submitted by the water supplier, agents of the water supplier, and / or the Province of Manitoba.
- 5) Where non-compliance items are identified, the issues do not necessarily translate into increased public health risk. The Office of Drinking Water uses processes, including boil water advisories, to notify water users of a public health risk.

Non-compliance with Treatment Standards:

Water system was compliant in the audited time period.

Non-compliance Incidents:

Water system was compliant in the audited time period.

If you have any questions, please do not hesitate to contact me at (204) 570-1405.

Sincerely,



Christine Gerardy
Senior Regional Drinking Water Officer

January 11, 2021

2020 Annual Compliance Audit

Water System: ELTON (WHITEHEAD ELTON REGIONAL) - PWS	Code: 63.50
Water System Owner: Rural Municipality of Elton	Address: General Delivery, Forrest, MB R0K 0W0
Operating Licence: PWS-11-488-01	Expiry Date: November 30, 2021
Water System Assessment Due Date: March 1, 2024	Compliance Plan Due Date: N/A
Public Water System Annual Report Due Date: N/A	Advisory Notification Plan Due Date: N/A

- 1) This report documents compliance of the Elton (Whitehead Elton Regional) Public Water System for the period from January 1 to December 31, 2020.
- 2) This report provides specific information on the non-compliance incidents identified in the summary below.
- 3) Other than the information provided in this report, the water supplier has complied with The Drinking Water Safety Act, its supporting regulations, and the terms and conditions of the water system's current operating licence.
- 4) This report is based on information submitted by the water supplier, agents of the water supplier, and / or the Province of Manitoba.
- 5) Where non-compliance items are identified, the issues do not necessarily translate into increased public health risk. The Office of Drinking Water uses processes, including boil water advisories, to notify water users of a public health risk.

Non-compliance with Treatment Standards:

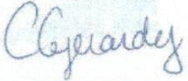
Water system was compliant in the audited time period.

Non-compliance Incidents:

Water system was compliant in the audited time period.

If you have any questions, please do not hesitate to contact me at (204) 570-1405.

Sincerely,



Christine Gerardy
Senior Regional Drinking Water Officer

3.III) 2020 General Chemical Analysis

As part of the operating licence for Whitehead Elton Regional Water Co-operative Inc., a general chemical analysis of both the raw water and the treated water in the reservoir has to be done every **Three years**. Water samples were sent to the lab on August 26/20.

It is an extensive test including a physical test, Anions and Nutrients, Organic/Inorganic Carbon, Total Metals and Volatile Organic Compounds tests.

The tests are conducted at ALS Labs in Winnipeg. The results are on the following page. The highlighted areas on the results indicate that the raw water exceeds Aesthetic Objectives or Maximum Acceptable Concentrations cited in the *Guidelines for Canadian Drinking Water Standards*. None of the treated water produced exceeds MAC limits or Aesthetic Objectives.

If there are questions that you may have regarding the lab results, please use one of the contact numbers listed and we can assist in any questions or concerns.

3.IV) Arsenic Test

As part of our license with ODW, the Whitehead Elton Regional Water Co-operative Inc. is required to conduct an arsenic test on raw and treated water at the water treatment plant. The results of the Arsenic test are located in the General Chemical Analysis.



Whitehead Elton Regional Water Co-op
ATTN: RALPH BERG
Whitehead Elton Regional - PWS
Box 107
Alexander MB ROK OAO

Date Received: 27-AUG-20
Report Date: 09-SEP-20 10:42 (MT)
Version: FINAL

Client Phone: 204-729-6116

Certificate of Analysis

Lab Work Order #: L2495096
Project P.O. #: NOT SUBMITTED
Job Reference: WHITEHEAD ELTON REGIONAL - PWS 248.70
C of C Numbers:
Legal Site Desc: 46658

Hua Wo
Chemistry Laboratory Manager

[This report shall not be reproduced except in full without the written authority of the Laboratory.]

ADDRESS: 1329 Niakwa Road East, Unit 12, Winnipeg, MB R2J 3T4 Canada | Phone: +1 204 255 9720 | Fax: +1 204 255 9721
ALS CANADA LTD Part of the ALS Group An ALS Limited Company

Physical Tests (WATER)

		ALS ID		L2495096-1	L2495096-2
		Sampled Date		26-AUG-20	26-AUG-20
		Sampled Time		08:25	08:35
		Sample ID		WHITEHEAD ELTON REGIONAL 1 - RAW	WHITEHEAD ELTON REGIONAL 2 - TREATED
Analyte	Unit	Guide Limit #1	Guide Limit #2		
Colour, True	CU	15	-	<5.0	<5.0
Conductivity	umhos/cm	-	-	1100	294
Hardness (as CaCO3)	mg/L	-	-	629 ^{HTC}	117 ^{HTC}
Langelier Index (4 C)	No Unit	-	-	0.76	-0.18
Langelier Index (60 C)	No Unit	-	-	1.5	0.59
pH	pH units	7.00-10.5	-	7.84	8.02
Total Dissolved Solids	mg/L	500	-	816	200
Transmittance, UV (254 nm)	%T/cm	-	-	90.2	97.3
Turbidity	NTU	-	-	32.0	<0.10

Federal Guidelines for Canadian Drinking Water Quality (JAN, 2020)

#1: GCDWQ - Aesthetic Objective/Other Value (Jan.2020)

#2: GCDWQ - Maximum Acceptable Concentrations (MACs-Jan.2020)

Anions and Nutrients (WATER)

		ALS ID		L2495096-1	L2495096-2
		Sampled Date		26-AUG-20	26-AUG-20
		Sampled Time		08:25	08:35
		Sample ID		WHITEHEAD ELTON REGIONAL 1 - RAW	WHITEHEAD ELTON REGIONAL 2 - TREATED
Analyte	Unit	Guide Limit #1	Guide Limit #2		
Alkalinity, Total (as CaCO3)	mg/L	-	-	327	94.4
Ammonia, Total (as N)	mg/L	-	-	0.237	<0.010
Bicarbonate (HCO3)	mg/L	-	-	399	115
Bromide (Br)	mg/L	-	-	0.076	<0.010
Carbonate (CO3)	mg/L	-	-	<0.60	<0.60
Chloride (Cl)	mg/L	250	-	12.9	5.09
Fluoride (F)	mg/L	-	1.5	0.151	0.032
Hydroxide (OH)	mg/L	-	-	<0.34	<0.34
Nitrate (as N)	mg/L	-	10	<0.010 ^{DLM}	<0.0050
Nitrite (as N)	mg/L	-	1	<0.0020 ^{DLM}	<0.0050 ^{DLM}
Sulfate (SO4)	mg/L	500	-	331	58.3

Federal Guidelines for Canadian Drinking Water Quality (JAN, 2020)

#1: GCDWQ - Aesthetic Objective/Other Value (Jan.2020)

#2: GCDWQ - Maximum Acceptable Concentrations (MACs-Jan.2020)

Organic / Inorganic Carbon (WATER)

		ALS ID		L2495096-1	L2495096-2
		Sampled Date		26-AUG-20	26-AUG-20
		Sampled Time		08:25	08:35
		Sample ID		WHITEHEAD ELTON REGIONAL 1 - RAW	WHITEHEAD ELTON REGIONAL 2 - TREATED
Analyte	Unit	Guide Limit #1	Guide Limit #2		
Dissolved Organic Carbon	mg/L	-	-	2.85	<0.50
Total Organic Carbon	mg/L	-	-	2.59	<0.50

Federal Guidelines for Canadian Drinking Water Quality (JAN, 2020)

#1: GCDWQ - Aesthetic Objective/Other Value (Jan.2020)

#2: GCDWQ - Maximum Acceptable Concentrations (MACs-Jan.2020)

Detection Limit for result exceeds Guide Limit. Assessment against Guide Limit cannot be made.

Analytical result for this parameter exceeds Guide Limit listed on this report.

* Please refer to the Reference Information section for an explanation of any qualifiers noted.

Total Metals (WATER)

Analyte	Unit	ALS ID		L2495096-1	L2495096-2
		Guide Limit #1	Guide Limit #2	Sampled Date Sampled Time Sample ID	Sampled Date Sampled Time Sample ID
				26-AUG-20 08:25 WHITEHEAD ELTON REGIONAL 1 - RAW	26-AUG-20 08:35 WHITEHEAD ELTON REGIONAL 2 - TREATED
Aluminum (Al)-Total	mg/L	0.1	-	<0.0030	<0.0030
Antimony (Sb)-Total	mg/L	-	0.006	<0.00010	<0.00010
Arsenic (As)-Total	mg/L	-	0.01	0.0156	0.00122
Barium (Ba)-Total	mg/L	-	2	0.0203	0.00353
Beryllium (Be)-Total	mg/L	-	-	<0.00010	<0.00010
Bismuth (Bi)-Total	mg/L	-	-	<0.000050	<0.000050
Boron (B)-Total	mg/L	-	5	0.091	0.066
Cadmium (Cd)-Total	mg/L	-	0.005	<0.0000050	<0.0000050
Calcium (Ca)-Total	mg/L	-	-	157	28.8
Cesium (Cs)-Total	mg/L	-	-	<0.000010	<0.000010
Chromium (Cr)-Total	mg/L	-	0.05	<0.00010	<0.00010
Cobalt (Co)-Total	mg/L	-	-	<0.00010	<0.00010
Copper (Cu)-Total	mg/L	1	2	<0.00050	0.00075
Iron (Fe)-Total	mg/L	0.3	-	2.55	0.012
Lead (Pb)-Total	mg/L	-	0.005	<0.000050	0.000167
Lithium (Li)-Total	mg/L	-	-	0.0531	0.0133
Magnesium (Mg)-Total	mg/L	-	-	57.6	11.0
Manganese (Mn)-Total	mg/L	0.02	0.12	0.384	0.00165
Molybdenum (Mo)-Total	mg/L	-	-	0.00488	0.000766
Nickel (Ni)-Total	mg/L	-	-	<0.00050	<0.00050
Phosphorus (P)-Total	mg/L	-	-	0.059	<0.030
Potassium (K)-Total	mg/L	-	-	4.79	1.21
Rubidium (Rb)-Total	mg/L	-	-	0.00175	0.00043
Selenium (Se)-Total	mg/L	-	0.05	<0.000050	<0.000050
Silicon (Si)-Total	mg/L	-	-	13.6	2.76
Silver (Ag)-Total	mg/L	-	-	<0.000010	<0.000010
Sodium (Na)-Total	mg/L	200	-	11.9	18.5
Strontium (Sr)-Total	mg/L	-	7	0.462	0.0809
Sulfur (S)-Total	mg/L	-	-	112	19.8
Tellurium (Te)-Total	mg/L	-	-	<0.00020	<0.00020
Thallium (Tl)-Total	mg/L	-	-	<0.000010	<0.000010
Thorium (Th)-Total	mg/L	-	-	<0.00010	<0.00010
Tin (Sn)-Total	mg/L	-	-	<0.00010	<0.00010

Federal Guidelines for Canadian Drinking Water Quality (JAN, 2020)

#1: GCDWQ - Aesthetic Objective/Other Value (Jan.2020)

#2: GCDWQ - Maximum Acceptable Concentrations (MACs-Jan.2020)

 Detection Limit for result exceeds Guide Limit. Assessment against Guide Limit cannot be made.

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Total Metals (WATER)

		ALS ID		L2495096-1	L2495096-2
		Sampled Date		26-AUG-20	26-AUG-20
		Sampled Time		08:25	08:35
		Sample ID		WHITEHEAD ELTON REGIONAL 1 - RAW	WHITEHEAD ELTON REGIONAL 2 - TREATED
Analyte	Unit	Guide Limit #1	Guide Limit #2		
Titanium (Ti)-Total	mg/L	-	-	<0.00030	<0.00030
Tungsten (W)-Total	mg/L	-	-	<0.00010	<0.00010
Uranium (U)-Total	mg/L	-	0.02	0.00756	0.00130
Vanadium (V)-Total	mg/L	-	-	<0.00050	<0.00050
Zinc (Zn)-Total	mg/L	5	-	0.0033	<0.0030
Zirconium (Zr)-Total	mg/L	-	-	<0.00020	<0.00020

Federal Guidelines for Canadian Drinking Water Quality (JAN, 2020)

#1: GCDWQ - Aesthetic Objective/Other Value (Jan.2020)

#2: GCDWQ - Maximum Acceptable Concentrations (MACs-Jan.2020)

Volatile Organic Compounds (WATER)

		ALS ID		L2495096-1
		Sampled Date		26-AUG-20
		Sampled Time		08:25
		Sample ID		WHITEHEAD ELTON REGIONAL 1 - RAW
Analyte	Unit	Guide Limit #1	Guide Limit #2	
Benzene	mg/L	-	0.005	<0.00050
1,1-dichloroethene	mg/L	-	0.014	<0.00050
Dichloromethane	mg/L	-	0.05	<0.0050
Ethylbenzene	mg/L	0.0016	0.14	<0.00050
MTBE	mg/L	0.015	-	<0.00050
Tetrachloroethene	mg/L	-	0.01	<0.00050
Toluene	mg/L	0.024	0.06	<0.00050
Trichloroethene	mg/L	-	0.005	<0.00050
o-Xylene	mg/L	-	-	<0.00050
m+p-Xylenes	mg/L	-	-	<0.00040
Xylenes (Total)	mg/L	0.02	0.09	<0.00064
Surrogate: 4-Bromofluorobenzene (SS)	%	-	-	93.1
Surrogate: 1,4-Difluorobenzene (SS) %		-	-	98.3

Federal Guidelines for Canadian Drinking Water Quality (JAN, 2020)

#1: GCDWQ - Aesthetic Objective/Other Value (Jan.2020)

#2: GCDWQ - Maximum Acceptable Concentrations (MACs-Jan.2020)

Detection Limit for result exceeds Guide Limit. Assessment against Guide Limit cannot be made.

Analytical result for this parameter exceeds Guide Limit listed on this report.

* Please refer to the Reference Information section for an explanation of any qualifiers noted.

4) Water System Incidents and Corrective Actions

There were two boil water advisories issued in 2020.

In the R.M. of Elton, everyone serviced by the Elton Booster located at the intersection of 106W & 69N, a boil water advisory was issued on September 30th due to a water break. The water break was fixed, and the boil water advisory was rescinded on October 5th after bacteriological samples were sent away and came back clear.

The entire system, minus the Town of Alexander and everyone north of the Forrest Reservoir, was issued a boil water advisory on December 3rd due to maintenance done at the Water Treatment Plant that caused loss of pressure to the distribution header in the Water Treatment Plant. It was rescinded on December 4th after bacteriological samples were sent away and came back clear.

5) Drinking Water Safety Orders, Warnings and Charges

There were no drinking water safety orders, warnings or charges issued to the Whitehead Elton Regional Water Co-operative Inc.

6) Major Expenses Incurred

The Whitehead Elton Regional Water Co-operative Inc. had two Manitoba Water Service Board cost shared projects. We added a third distribution pump and changed the distribution header to stainless steel at the Water Treatment Plant for the first project. The second project was to upgrade the online chlorine analyzer at the Water Treatment Plant.

The Forrest fire pump required rebuilding and was rebuilt in Winnipeg with the shafts and discharge piping rebuilt at Celtic Power and Machining .

In August, both pump drives at the raw wells failed and needed to be replaced.

7) Future System Expansion

A major expansion to the Water Treatment Plant is planned to start in 2021 to meet the growing demand of our water system.

Appendix A

Appendix A contains all the bacterial test results for all 3 Public Water Systems.

Appendix B

Appendix B contains the 2020 Water Use Report that has to be sent to the Provincial Government and the Monitoring Well Graph Reports . The Monitoring Wells are checked periodically throughout the year. One well is located at the raw water supply wells and the second is located a quarter of a mile away. These Monitoring Wells are a daily snapshot on the health of the aquifer we draw our water from.

APPENDIX A

2020

BACTERIAL SAMPLE RESULTS

Bacteriological Test Results

Community Code	Collection Date	System	Location	Total Coliforms	E.Coli	Free Chlorine	Total Chlorine
248.70	2-Jan-20	Whitehead/Elton	Raw	0	0	0.00	0.00
248.70	2-Jan-20	Whitehead/Elton	Treated	0	0	1.09	1.21
248.70	2-Jan-20	Whitehead/Elton	Incoming	0	0	0.85	0.93
248.70	2-Jan-20	Whitehead/Elton	Outgoing	0	0	0.63	0.69
248.80	2-Jan-20	Whitehead Dist.	Firehall	0	0	0.87	1.01
248.80	2-Jan-20	Whitehead Dist.	Dungannon	0	0	1.19	1.28
63.50	2-Jan-20	Elton Dist.	PR #2	0	0	0.70	0.79
63.50	2-Jan-20	Elton Dist.	Elton Office	0	0	0.63	0.72
248.70	15-Jan-20	Whitehead/Elton	Raw	0	0	0.00	0.00
248.70	15-Jan-20	Whitehead/Elton	Treated	0	0	1.06	1.21
248.70	15-Jan-20	Whitehead/Elton	Incoming	0	0	1.09	1.25
248.70	15-Jan-20	Whitehead/Elton	Outgoing	0	0	1.04	1.13
248.80	15-Jan-20	Whitehead Dist.	Firehall	0	0	0.94	1.07
248.80	15-Jan-20	Whitehead Dist.	Dungannon	0	0	1.09	1.23
63.50	15-Jan-20	Elton Dist.	PR #2	0	0	1.08	1.11
63.50	15-Jan-20	Elton Dist.	Elton Office	0	0	1.02	1.09
248.70	29-Jan-20	Whitehead/Elton	Raw	0	0	0.00	0.00
248.70	29-Jan-20	Whitehead/Elton	Treated	0	0	0.83	0.95
248.70	29-Jan-20	Whitehead/Elton	Incoming	0	0	0.92	1.05
248.70	29-Jan-20	Whitehead/Elton	Outgoing	0	0	0.99	1.08
248.80	29-Jan-20	Whitehead Dist.	Firehall	0	0	0.78	0.94
248.80	29-Jan-20	Whitehead Dist.	Dungannon	0	0	0.89	0.99
63.50	29-Jan-20	Elton Dist.	PR #2	0	0	0.86	0.93
63.50	29-Jan-20	Elton Dist.	Elton Office	0	0	0.99	1.05
248.70	19-Feb-20	Whitehead/Elton	Raw	0	0	0.00	0.00
248.70	19-Feb-20	Whitehead/Elton	Treated	0	0	1.03	1.11
248.70	19-Feb-20	Whitehead/Elton	Incoming	0	0	0.93	1.04
248.70	19-Feb-20	Whitehead/Elton	Outgoing	0	0	0.78	0.80
248.80	19-Feb-20	Whitehead Dist.	Firehall	0	0	0.88	1.02
248.80	19-Feb-20	Whitehead Dist.	Dungannon	0	0	1.01	1.14
63.50	19-Feb-20	Elton Dist.	PR #2	0	0	0.50	0.57
63.50	19-Feb-20	Elton Dist.	Elton Office	0	0	0.72	0.80
248.70	27-Feb-20	Whitehead/Elton	Raw	0	0	0.00	0.00
248.70	27-Feb-20	Whitehead/Elton	Treated	0	0	0.92	1.02
248.70	27-Feb-20	Whitehead/Elton	Incoming	0	0	0.91	1.00
248.70	27-Feb-20	Whitehead/Elton	Outgoing	0	0	0.94	1.05
248.80	27-Feb-20	Whitehead Dist.	Firehall	0	0	0.77	0.84
248.80	27-Feb-20	Whitehead Dist.	Dungannon	0	0	0.88	0.94
63.50	27-Feb-20	Elton Dist.	PR #2	0	0	0.89	0.96
63.50	27-Feb-20	Elton Dist.	Elton Office	0	0	0.95	1.01
248.70	11-Mar-20	Whitehead/Elton	Raw	18	0	0.00	0.00
248.70	11-Mar-20	Whitehead/Elton	Treated	0	0	0.96	1.07
248.70	11-Mar-20	Whitehead/Elton	Incoming	0	0	0.90	0.97
248.70	11-Mar-20	Whitehead/Elton	Outgoing	0	0	0.88	0.92
248.80	11-Mar-20	Whitehead Dist.	Firehall	0	0	1.08	1.12
248.80	11-Mar-20	Whitehead Dist.	Dungannon	0	0	1.11	1.15

Bacteriological Test Results

Community Code	Collection Date	System	Location	Total Coliforms	E.Coli	Free Chlorine	Total Chlorine
63.50	11-Mar-20	Elton Dist.	PR #2	0	0	0.90	0.97
63.50	11-Mar-20	Elton Dist.	Elton Office	0	0	0.84	0.91
248.70	25-Mar-20	Whitehead/Elton	Raw	29	0	0.00	0.00
248.70	25-Mar-20	Whitehead/Elton	Treated	0	0	0.87	0.96
248.70	25-Mar-20	Whitehead/Elton	Incoming	0	0	0.94	0.99
248.70	25-Mar-20	Whitehead/Elton	Outgoing	0	0	0.95	1.00
248.80	25-Mar-20	Whitehead Dist.	Firehall	0	0	0.80	0.90
248.80	25-Mar-20	Whitehead Dist.	Dungannon	0	0	0.90	0.95
63.50	25-Mar-20	Elton Dist.	PR #2	0	0	0.98	1.06
63.50	25-Mar-20	Elton Dist.	Elton Office	0	0	0.88	0.89
248.70	8-Apr-20	Whitehead/Elton	Raw	5	0	0.00	0.00
248.70	8-Apr-20	Whitehead/Elton	Treated	0	0	1.17	1.32
248.70	8-Apr-20	Whitehead/Elton	Incoming	0	0	1.07	1.17
248.70	8-Apr-20	Whitehead/Elton	Outgoing	0	0	0.87	0.95
248.80	8-Apr-20	Whitehead Dist.	Firehall	0	0	0.90	1.02
248.80	8-Apr-20	Whitehead Dist.	Dungannon	0	0	0.89	1.02
63.50	8-Apr-20	Elton Dist.	PR #2	0	0	0.93	1.02
63.50	8-Apr-20	Elton Dist.	Elton Office	0	0	0.77	0.94
248.70	22-Apr-20	Whitehead/Elton	Raw	0	0	0.00	0.00
248.70	22-Apr-20	Whitehead/Elton	Treated	0	0	0.92	1.07
248.70	22-Apr-20	Whitehead/Elton	Incoming	0	0	0.71	0.78
248.70	22-Apr-20	Whitehead/Elton	Outgoing	0	0	0.86	0.91
248.80	22-Apr-20	Whitehead Dist.	Firehall	0	0	0.75	0.82
248.80	22-Apr-20	Whitehead Dist.	Dungannon	0	0	0.92	1.03
63.50	22-Apr-20	Elton Dist.	PR #2	0	0	1.06	1.10
63.50	22-Apr-20	Elton Dist.	Elton Office	0	0	0.97	1.06
248.70	6-May-20	Whitehead/Elton	Raw	2	0	0.00	0.00
248.70	6-May-20	Whitehead/Elton	Treated	0	0	0.76	0.91
248.70	6-May-20	Whitehead/Elton	Incoming	0	0	0.90	1.00
248.70	6-May-20	Whitehead/Elton	Outgoing	0	0	0.84	0.93
248.80	6-May-20	Whitehead Dist.	Firehall	0	0	0.82	0.92
248.80	6-May-20	Whitehead Dist.	Dungannon	0	0	0.86	0.95
63.50	6-May-20	Elton Dist.	PR #2	0	0	0.95	1.03
63.50	6-May-20	Elton Dist.	Elton Office	0	0	0.90	0.99
248.70	20-May-20	Whitehead/Elton	Raw	0	0	0.00	0.00
248.70	20-May-20	Whitehead/Elton	Treated	0	0	0.82	0.95
248.70	20-May-20	Whitehead/Elton	Incoming	0	0	1.02	1.17
248.70	20-May-20	Whitehead/Elton	Outgoing	0	0	1.04	1.16
248.80	20-May-20	Whitehead Dist.	Firehall	0	0	0.95	1.06
248.80	20-May-20	Whitehead Dist.	Dungannon	0	0	1.05	1.11
63.50	20-May-20	Elton Dist.	PR #2	0	0	1.02	1.12
63.50	20-May-20	Elton Dist.	Elton Office	0	0	0.99	1.16
248.70	3-Jun-20	Whitehead/Elton	Raw	0	0	0.00	0.00
248.70	3-Jun-20	Whitehead/Elton	Treated	0	0	0.94	1.08
248.70	3-Jun-20	Whitehead/Elton	Incoming	0	0	0.95	1.06
248.70	3-Jun-20	Whitehead/Elton	Outgoing	0	0	0.95	1.07

Bacteriological Test Results

Community Code	Collection Date	System	Location	Total Coliforms	E.Coli	Free Chlorine	Total Chlorine
248.80	3-Jun-20	Whitehead Dist.	Firehall	0	0	0.94	1.02
248.80	3-Jun-20	Whitehead Dist.	Dungannon	0	0	0.94	1.08
63.50	3-Jun-20	Elton Dist.	PR #3	0	0	0.95	1.03
63.50	3-Jun-20	Elton Dist.	Elton Office	0	0	0.94	1.05
248.70	17-Jun-20	Whitehead/Elton	Raw	0	0	0.00	0.00
248.70	17-Jun-20	Whitehead/Elton	Treated	0	0	0.91	1.06
248.70	17-Jun-20	Whitehead/Elton	Incoming	0	0	0.88	1.06
248.70	17-Jun-20	Whitehead/Elton	Outgoing	0	0	0.94	1.06
248.80	17-Jun-20	Whitehead Dist.	Firehall	0	0	0.97	1.09
248.80	17-Jun-20	Whitehead Dist.	Dungannon	0	0	1.01	1.15
63.50	17-Jun-20	Elton Dist.	PR #2	0	0	0.92	1.03
63.50	17-Jun-20	Elton Dist.	Elton Office	0	0	0.91	1.15
248.70	2-Jul-20	Whitehead/Elton	Raw	0	0	0.00	0.00
248.70	2-Jul-20	Whitehead/Elton	Treated	0	0	0.76	0.85
248.70	2-Jul-20	Whitehead/Elton	Incoming	0	0	0.85	0.95
248.70	2-Jul-20	Whitehead/Elton	Outgoing	0	0	0.88	0.97
248.80	2-Jul-20	Whitehead Dist.	Firehall	0	0	0.75	0.87
248.80	2-Jul-20	Whitehead Dist.	Dungannon	0	0	0.82	0.85
63.50	2-Jul-20	Elton Dist.	PR #2	0	0	0.89	0.98
63.50	2-Jul-20	Elton Dist.	Elton Office	0	0	0.82	0.99
248.70	15-Jul-20	Whitehead/Elton	Raw	0	0	0.00	0.00
248.70	15-Jul-20	Whitehead/Elton	Treated	0	0	0.77	0.88
248.70	15-Jul-20	Whitehead/Elton	Incoming	0	0	0.84	0.93
248.70	15-Jul-20	Whitehead/Elton	Outgoing	0	0	0.79	0.87
248.80	15-Jul-20	Whitehead Dist.	Firehall	0	0	0.78	0.85
248.80	15-Jul-20	Whitehead Dist.	Dungannon	0	0	0.81	0.88
63.50	15-Jul-20	Elton Dist.	PR #2	0	0	0.80	0.88
63.50	15-Jul-20	Elton Dist.	Elton Office	0	0	0.68	0.84
248.70	30-Jul-20	Whitehead/Elton	Raw	0	0	0.00	0.00
248.70	30-Jul-20	Whitehead/Elton	Treated	0	0	0.93	1.06
248.70	30-Jul-20	Whitehead/Elton	Incoming	0	0	0.85	0.94
248.70	30-Jul-20	Whitehead/Elton	Outgoing	0	0	0.87	0.93
248.80	30-Jul-20	Whitehead Dist.	Firehall	0	0	0.86	1.00
248.80	30-Jul-20	Whitehead Dist.	Dungannon	0	0	0.92	1.02
63.50	30-Jul-20	Elton Dist.	PR #2	0	0	0.86	0.93
63.50	30-Jul-20	Elton Dist.	Elton Office	0	0	0.84	0.88
248.70	12-Aug-20	Whitehead/Elton	Raw	0	0	0.00	0.00
248.70	12-Aug-20	Whitehead/Elton	Treated	0	0	0.91	1.04
248.70	12-Aug-20	Whitehead/Elton	Incoming	0	0	0.96	1.03
248.70	12-Aug-20	Whitehead/Elton	Outgoing	0	0	0.89	0.96
248.80	12-Aug-20	Whitehead Dist.	Firehall	0	0	0.88	0.96
248.80	12-Aug-20	Whitehead Dist.	Dungannon	0	0	0.92	1.00
63.50	12-Aug-20	Elton Dist.	PR #2	0	0	0.91	0.98
63.50	12-Aug-20	Elton Dist.	Elton Booster	0	0	0.78	0.88
248.70	26-Aug-20	Whitehead/Elton	Raw	2	0	0.00	0.00
248.70	26-Aug-20	Whitehead/Elton	Treated	0	0	0.89	1.04

Bacteriological Test Results

Community Code	Collection Date	System	Location	Total Coliforms	E.Coli	Free Chlorine	Total Chlorine
248.70	26-Aug-20	Whitehead/Elton	Incoming	0	0	0.93	0.99
248.70	26-Aug-20	Whitehead/Elton	Outgoing	0	0	0.90	0.95
248.80	26-Aug-20	Whitehead Dist.	Firehall	0	0	0.88	0.99
248.80	26-Aug-20	Whitehead Dist.	Dungannon	0	0	1.01	1.08
63.50	26-Aug-20	Elton Dist.	PR #2	0	0	0.95	1.01
63.50	26-Aug-20	Elton Dist.	PR #3	0	0	0.77	0.87
248.70	9-Sep-20	Whitehead/Elton	Raw	0	0	0.00	0.00
248.70	9-Sep-20	Whitehead/Elton	Treated	0	0	1.36	1.59
248.70	9-Sep-20	Whitehead/Elton	Incoming	0	0	0.64	0.71
248.70	9-Sep-20	Whitehead/Elton	Outgoing	0	0	0.63	0.71
248.80	9-Sep-20	Whitehead Dist.	Firehall	0	0	1.14	1.33
248.80	9-Sep-20	Whitehead Dist.	Dungannon	0	0	1.26	1.37
63.50	9-Sep-20	Elton Dist.	PR #2	0	0	0.75	0.80
63.50	9-Sep-20	Elton Dist.	Elton Office	0	0	0.82	0.88
248.70	23-Sep-20	Whitehead/Elton	Raw	0	0	0.00	0.00
248.70	23-Sep-20	Whitehead/Elton	Treated	0	0	0.66	0.83
248.70	23-Sep-20	Whitehead/Elton	Incoming	0	0	1.15	1.22
248.70	23-Sep-20	Whitehead/Elton	Outgoing	0	0	0.99	1.06
248.80	23-Sep-20	Whitehead Dist.	Firehall	0	0	0.91	1.03
248.80	23-Sep-20	Whitehead Dist.	Dungannon	0	0	0.95	1.06
63.50	23-Sep-20	Elton Dist.	PR #2	0	0	1.03	1.10
63.50	23-Sep-20	Elton Dist.	Elton Booster	0	0	0.64	0.69
248.70	7-Oct-20	Whitehead/Elton	Raw	0	0	0.00	0.00
248.70	7-Oct-20	Whitehead/Elton	Treated	0	0	0.86	0.95
248.70	7-Oct-20	Whitehead/Elton	Incoming	0	0	0.91	0.99
248.70	7-Oct-20	Whitehead/Elton	Outgoing	0	0	0.87	0.96
248.80	7-Oct-20	Whitehead Dist.	Firehall	0	0	0.87	0.98
248.80	7-Oct-20	Whitehead Dist.	Dungannon	0	0	1.03	1.12
63.50	7-Oct-20	Elton Dist.	PR #2	0	0	0.88	0.96
63.50	7-Oct-20	Elton Dist.	Elton Booster	0	0	0.89	0.95
248.70	21-Oct-20	Whitehead/Elton	Raw	0	0	0.00	0.00
248.70	21-Oct-20	Whitehead/Elton	Treated	0	0	0.96	1.09
248.70	21-Oct-20	Whitehead/Elton	Incoming	0	0	1.01	1.08
248.70	21-Oct-20	Whitehead/Elton	Outgoing	0	0	0.93	1.00
248.80	21-Oct-20	Whitehead Dist.	Firehall	0	0	1.04	1.19
248.80	21-Oct-20	Whitehead Dist.	Dungannon	0	0	1.15	1.24
63.50	21-Oct-20	Elton Dist.	PR #2	0	0	1.00	1.04
63.50	21-Oct-20	Elton Dist.	Elton Booster	0	0	1.04	1.08
248.70	4-Nov-20	Whitehead/Elton	Raw	0	0	0.00	0.00
248.70	4-Nov-20	Whitehead/Elton	Treated	0	0	0.98	1.08
248.70	4-Nov-20	Whitehead/Elton	Incoming	0	0	0.85	0.88
248.70	4-Nov-20	Whitehead/Elton	Outgoing	0	0	0.81	0.88
248.80	4-Nov-20	Whitehead Dist.	Firehall	0	0	0.86	0.96
248.80	4-Nov-20	Whitehead Dist.	Dungannon	0	0	0.91	0.98
63.50	4-Nov-20	Elton Dist.	PR #2	0	0	0.80	0.85
63.50	4-Nov-20	Elton Dist.	Elton Booster	0	0	0.65	0.68

Bacteriological Test Results

Community Code	Collection Date	System	Location	Total Coliforms	E.Coli	Free Chlorine	Total Chlorine
248.70	17-Nov-20	Whitehead/Elton	Raw	0	0	0.00	0.00
248.70	17-Nov-20	Whitehead/Elton	Treated	0	0	0.78	0.86
248.70	17-Nov-20	Whitehead/Elton	Incoming	0	0	0.69	0.74
248.70	17-Nov-20	Whitehead/Elton	Outgoing	0	0	0.80	0.85
248.80	17-Nov-20	Whitehead Dist.	Firehall	0	0	0.79	0.92
248.80	17-Nov-20	Whitehead Dist.	Dungannon	0	0	0.76	0.81
63.50	17-Nov-20	Elton Dist.	PR #2	0	0	0.90	0.94
63.50	17-Nov-20	Elton Dist.	Elton Booster	0	0	0.94	0.98
248.70	2-Dec-20	Whitehead/Elton	Raw	0	0	0.00	0.00
248.70	2-Dec-20	Whitehead/Elton	Treated	0	0	1.19	1.33
248.70	2-Dec-20	Whitehead/Elton	Incoming	0	0	1.16	1.26
248.70	2-Dec-20	Whitehead/Elton	Outgoing	0	0	0.98	1.01
248.80	2-Dec-20	Whitehead Dist.	Firehall	0	0	1.27	1.40
248.80	2-Dec-20	Whitehead Dist.	Dungannon	0	0	1.21	1.33
63.50	2-Dec-20	Elton Dist.	PR #2	0	0	0.75	0.84
63.50	2-Dec-20	Elton Dist.	Elton Booster	0	0	0.71	0.83
248.70	17-Dec-20	Whitehead/Elton	Raw	0	0	0.00	0.00
248.70	17-Dec-20	Whitehead/Elton	Treated	0	0	0.86	0.97
248.70	17-Dec-20	Whitehead/Elton	Incoming	0	0	0.94	1.06
248.70	17-Dec-20	Whitehead/Elton	Outgoing	0	0	0.97	1.08
248.80	17-Dec-20	Whitehead Dist.	Firehall	0	0	0.88	1.00
248.80	17-Dec-20	Whitehead Dist.	Dungannon	0	0	0.85	0.96
63.50	17-Dec-20	Elton Dist.	PR #2	0	0	1.04	1.14
63.50	17-Dec-20	Elton Dist.	Elton Booster	0	0	1.08	1.14
248.70	29-Dec-20	Whitehead/Elton	Raw	0	0	0.00	0.00
248.70	29-Dec-20	Whitehead/Elton	Treated	0	0	0.79	0.89
248.70	29-Dec-20	Whitehead/Elton	Incoming	0	0	0.78	0.88
248.70	29-Dec-20	Whitehead/Elton	Outgoing	0	0	0.79	0.88
248.80	29-Dec-20	Whitehead Dist.	Firehall	0	0	0.80	0.91
248.80	29-Dec-20	Whitehead Dist.	Dungannon	0	0	0.85	0.91
63.50	29-Dec-20	Elton Dist.	PR #2	0	0	0.73	0.81
63.50	29-Dec-20	Elton Dist.	Elton Booster	0	0	0.77	0.85

APPENDIX B

2020 Water Use Report

Monitoring Well Graph Report

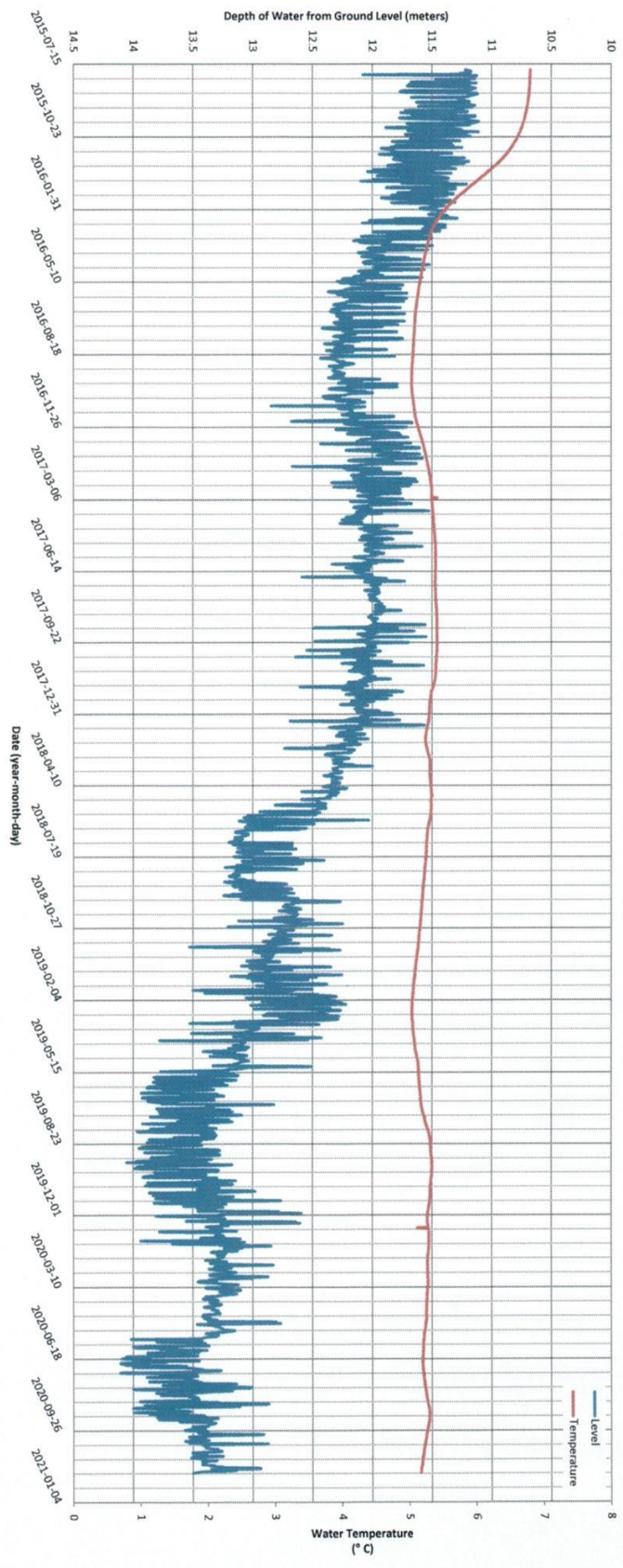
Annual Water Use Report for 2020

Pursuant to *The Water Rights Act*

LICENSEE'S NAME: Whitehead Elton Regional Water Co-operative Inc.		LICENCE NO. PWS-11-487						
POST OFFICE ADDRESS General Delivery Forrest, MB R0K 0W0		PHONE NO. 204 728 7834						
SOURCE OF WATER SUPPLY (CHECK ONE)/		<input checked="" type="checkbox"/> WELL						
		<input type="checkbox"/> SURFACE WATER _____ <small>(Name of River, Creek, etc.)</small>						
LOCATION OF PUMP (OR WELL):								
QUARTER	SECTION	TOWNSHIP	RANGE OR OTHER (SPECIFY)					
SE	21	10	21 W1					
DESIGN PUMPING RATE: LITRES PER SECOND <u>22.7</u> OR OTHER (SPECIFY) _____								
NOTE 1: QUANTITIES OF WATER IN TABLE BELOW EXPRESSED IN (CHECK ONE)								
<input type="checkbox"/> LITRES <input type="checkbox"/> DECAMETRES								
<input checked="" type="checkbox"/> OTHER (SPECIFY): <u>Cubic Meters</u>								
METER READING DECEMBER 31/20 <u>19</u> 828310								
DAY OF MONTH	JANUARY		FEBRUARY		MARCH		APRIL	
	METER READING	DAILY CONSUMPTION	METER READING	DAILY CONSUMPTION	METER READING	DAILY CONSUMPTION	METER READING	DAILY CONSUMPTION
1	828976	666	847171	703	864837	592	884770	604
2	829514	538	847719	548	865408	571	885432	662
3	830114	600	848219	500	865990	582	886104	672
4	830790	676	848871	652	866576	586	886789	685
5	831371	581	849458	587	867137	561	887474	685
6	831842	471	850039	581	867713	576	888102	628
7	832502	660	850570	531	868374	661	888702	600
8	833118	616	851192	622	868836	462	889289	587
9	833635	517	851770	578	869482	646	889894	605
10	834191	556	852370	600	870007	525	890544	650
11	834723	532	852969	599	870627	620	891164	620
12	835284	561	853563	594	871229	602	891785	621
13	835877	593	854114	551	871837	608	892460	675
14	836473	596	854716	602	872506	669	893086	626
15	837054	581	855424	708	873256	750	893717	631
16	837586	532	856056	632	873995	739	894374	657
17	838208	622	856785	729	874621	626	895016	642
18	838711	503	857483	698	875242	621	895756	740
19	839352	641	858157	674	875980	738	896374	618
20	839909	557	858838	681	876612	632	897044	670
21	840544	635	859461	623	877231	619	897686	642
22	841151	607	860168	707	877895	664	898325	639
23	841724	573	860778	610	878576	681	899035	710
24	842313	589	861243	465	879276	700	899761	726
25	842992	679	861918	675	880040	764	900499	738
26	843639	647	862615	697	880667	627	901161	662
27	844150	511	863023	408	881315	648	901861	700
28	844741	591	863634	611	882046	731	902594	733
29	845308	567	864245	611	882750	704	903199	605
30	845885	577	-	-	883421	671	903945	746
31	846468	583	-	-	884166	745	-	-
TOTAL	18158	18158	17777	17777	19921	19921	19,779	19,779
NOTE2: /								
LICENSEE MUST COMPLETE "ANNUAL WATER USE REPORT" FOR EACH CALENDAR YEAR AND FORWARD THE REPORT TO THE WATER LICENSING SECTION AT THE ABOVE ADDRESS NOT LATER THAN FEB. 1 OF THE FOLLOWING YEAR.								

DAY OF MONTH	MAY		JUNE		JULY		AUGUST	
	METER READING	DAILY CONSUMPTION	METER READING	DAILY CONSUMPTION	METER READING	DAILY CONSUMPTION	METER READING	DAILY CONSUMPTION
1	904779	834	931780	1,157	962986	624	989718	1066
2	905492	713	933029	1,249	963787	801	990354	636
3	906200	708	934464	1,435	964382	595	991174	820
4	906926	726	935271	807	965164	782	991783	609
5	907621	695	936449	1,178	965987	823	992673	890
6	908421	800	937499	1,050	966793	806	993501	828
7	909134	713	938270	771	967837	1044	994465	964
8	909843	709	939026	756	968805	968	995331	866
9	910543	700	939973	947	969745	940	996196	865
10	911238	695	941009	1,036	970583	838	996944	748
11	911912	674	942043	1,034	971541	958	997781	837
12	912622	710	943128	1,085	972575	1034	998769	988
13	913333	711	944248	1,120	973453	878	999560	791
14	913992	659	945487	1,239	974256	803	1000219	659
15	914654	662	946321	834	975157	901	1000926	707
16	915503	849	947697	1,376	975910	753	1001532	606
17	916403	900	949101	1,404	976838	928	1002301	769
18	917396	993	950182	1,081	977859	1021	1003217	916
19	918418	1022	951001	819	978527	668	1004209	992
20	919412	994	952064	1,063	979203	676	1004842	633
21	920405	993	953073	1,009	979929	726	1005691	849
22	921215	810	954089	1,016	980716	787	1006781	1090
23	922336	1121	955272	1,183	981590	874	1007334	553
24	923510	1174	956689	1,417	982499	909	1008140	806
25	924441	931	957848	1,159	983279	780	1009054	914
26	925595	1154	958945	1,097	984055	776	1009945	891
27	926760	1165	960182	1,237	984822	767	1010879	934
28	927727	967	960969	787	985687	865	1011793	914
29	928531	804	961760	791	987033	1346	1012566	773
30	929540	1009	962362	602	987833	800	1013377	811
31	930623	1083	-	-	988652	819	1013934	557
TOTAL	26678	26678	31,739	31,739	26290	26290	25282	25282
DAY OF MONTH	SEPTEMBER		OCTOBER		NOVEMBER		DECEMBER	
	METER READING	DAILY CONSUMPTION	METER READING	DAILY CONSUMPTION	METER READING	DAILY CONSUMPTION	METER READING	DAILY CONSUMPTION
1	1014753	819	1036669	626	1057460	704	1077395	708
2	1015413	660	1037485	816	1058180	720	1078067	672
3	1016088	675	1038065	580	1058808	628	1078747	680
4	1016807	719	1038757	692	1059429	621	1079232	485
5	1017867	1,060	1039573	816	1060054	625	1080036	804
6	1018499	632	1040297	724	1060675	621	1080666	630
7	1019107	608	1040924	627	1061277	602	1081377	711
8	1019729	622	1041554	630	1061918	641	1082038	661
9	1020530	801	1042262	708	1062595	677	1082659	621
10	1021211	681	1043006	744	1063166	571	1083357	698
11	1022055	844	1043707	701	1063777	611	1084033	676
12	1023089	1,034	1044393	686	1064443	666	1084712	679
13	1023847	758	1045089	696	1065040	597	1085331	619
14	1024462	615	1045707	618	1065651	611	1086022	691
15	1025227	765	1046358	651	1066322	671	1086753	731
16	1026015	788	1047080	722	1067058	736	1087373	620
17	1026731	716	1047755	675	1067731	673	1088133	760
18	1027460	729	1048418	663	1068376	645	1088727	594
19	1028226	766	1049044	626	1068978	602	1089403	676
20	1028940	714	1049668	624	1069705	727	1090126	723
21	1029636	696	1050482	814	1070371	666	1090806	680
22	1030397	761	1050982	500	1071135	764	1091510	704
23	1031179	782	1051549	567	1071897	762	1092156	646
24	1031876	697	1052288	739	1072553	656	1092933	777
25	1032583	707	1052890	602	1073187	634	1093620	687
26	1033346	763	1053624	734	1073936	749	1094355	735
27	1034026	680	1054315	691	1074483	547	1095052	697
28	1034693	667	1054841	526	1075383	900	1095690	638
29	1035300	607	1055529	688	1076048	665	1096422	732
30	1036043	743	1056111	582	1076687	639	1097111	689
31	-	-	1056756	645	-	-	1097781	670
TOTAL	22,109	22,109	20713	20713	19,931	19,931	21094	21094

Whitehead/Eyton Well Monitoring Reading (North of PT1 1)



Whitehead/Eton Well Monitoring Reading (South of PTH 1)

