



TO: Mayor and Council

FROM: Alyshia Neuman, Manager of Works and Operations

DATE: August 26, 2021

RE: **Monthly WTP Data Sheet – July 2021**

BACKGROUND:

Permit Requirements:

Parameter	Treated water sampling and locations/ Minimum sampling frequency	Limit
Turbidity (NTU)	On-site testing at least once (1) per day from water entering the distribution system and at the same frequency and locations as bacteriological samples	Less than 1.0 NTU, 95% of discrete measurements each calendar month
Free Chlorine (FCL)	At least once (1) per day for free chlorine; and at the same locations and frequency of bacteriological samples	Free residual of not less than 0.1 Mg per litre in the water entering the distribution system
Total Chlorine (TCL)	At least once (1) per day for free chlorine; and at the same locations and frequency of bacteriological samples	A total chlorine residual of not less than 0.5 Mg per litre of a free residual of not less than 0.1 Mg per litre in the water throughout the distribution system
Iron	Once per day (aesthetic Objective)	0.05 Mg per litre
Manganese	Once per day (aesthetic Objective)	0.05 Mg per litre

ANALYSIS:

Parameter	High	Low
Turbidity (NTU)	0.20	0.06
Free Chlorine (FCL)	1.58	0.43
Total Chlorine (TCL)	2.15	1.29
Iron	0.04	0.00
Manganese (MN)	0.065	0.00

Water Usage:

	High	Low	Total for Month
Raw	1683 m ³ per day	275 m ³ per day	20,460 m ³
Treated	933 m ³ per day	488 m ³ per day	19,194 m ³
Process			1,266 m ³

Notes:

- Iron was over our aesthetic objectives 0 days out of 31.
- We were over aesthetic objectives for manganese 2 days out of 31 this month.
 - The drain valve work has been booked and awaiting contractor for work completion.
- We continue to closely monitor Raw NTU, iron, and manganese, as well as our filter turbidity dependent. This is not a permitted tested requirement but does help to analyze the rises and lows of our system.

ATTACHMENT:

WTP Monthly Data Sheet- August 2021