



TO: Mayor and Council

FROM: Alyshia Neuman, Manager of Works and Operations

DATE: March 31, 2021

RE: **Waterworks Compliance Inspection**

ISSUE:

After our compliance inspection at the water treatment plant on June 8, 2021 our EPO has identified some issues that must be resolved. The inspection report is attached.

BACKGROUND:

Compliance inspections are conducted bi-annually by Water Security Agency, any issues from a compliance inspection must be rectified to become fully compliant.

ALTERNATIVES:

- 1) Resolve the identified issues to ensure accordance with provincial legislation.
- 2) Do nothing currently and remain non-compliant.

FINANCIAL IMPLICATIONS:

There are no financial implications.

ANALYSIS:

Below is a description of non-compliance issues and what will be done to become compliant:

- 1) Water quality monitoring and testing equipment is maintained and calibrated as recommended by manufacturer EMPA2010 29(1)
 - a. EPO NOTES- UPDATE: VERIFY CAL FOR THE 2100Q WAS MISSED THE WEEK OF APRIL 20TH
 - i. A calibration schedule has been created from the last inspection; instead of worrying about the verify calibration we have switched it to full calibration weekly to eliminate the guesswork.
- 2) Chemical standards WWSW 26(2)(3) & 31
 - a. EPO NOTES- THE TOWN IS ROUTINELY OVER THE NEW MANGANESE REQUIREMENT OF 0.12MG/L. THEY HAVE HIRED CONSULTANTS TO INVESTIGATE WAYS TO IMPROVE TREATMENT

Below is a description of any extra notes made from our EPO:

- 1) Valid permit to operate and/or construct EMPA2010 24(1)
 - a. EPO NOTES- THE MANAGER IS THE ONLY CERTIFIED OPERATOR. THE TOWN UTILIZES CERTIFIED OPERATORS FROM OTHER TOWNS IN HER ABSENCE. THE TOWN SHOULD LOOK AT GETTING MORE OPERATORS CERTIFIED.
 - 2) Valid water rights license EMPA2010 29(1)
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- a. EPO NOTES- THE WATER RIGHTS LICENSES WERE RENEWED AND NOW EXPIRE IN FEBRUARY 2026
- 3) Continuous chlorine disinfection (unless otherwise approved per 27(7)) WWSW 27(5)
 - a. EPO NOTES- AS PER THE RECENT WSA ADDENDUM , CT IS BEING MET IF THE FREE RESIDUAL IS 0.15MG/L IN A FULL CLEAR WELL. FREE RESIDUAL MUST BE 0.3MG/L IF THE CLEAR WELL IS HALF FULL TO ACHIEVE CONTACT TIME. IF THE WELLS ARE DEEMED GUDI, THE SYSTEM MAY NOT MEET THE REQUIRED CONTACT TIME.
- 4) Proper waterworks assessment WWSW 32
 - a. EPO NOTES- WSA RECENTLY FINALIZED. IN THE FUTURE, AS PER THE RECENT REGULATION CHANGES, THE WSA IS NO LONGER REQUIRE UNLESS SPECIFICALLY REQUESTED BY THE EPO VIA PERMIT CONDITION.
- 5) Reported upset condition WWSW 34(1)
 - a. EPO NOTES- THE TOWN DOES A GOOD JOB OF REPORTING UPSETS AND ADVERSE CONDITIONS
- 6) Bacteriological testing WWSW 37(2)
 - a. EPO NOTES- ALL SAMPLES SUBMITTED. SOME OF THE DATA ON THE MAY 3RD SAMPLE ISN'T IN OUR DATABASE BUT THE TOWN PROVIDED THE INFO.
- 7) General chemical sampling conducted WWSW 37(2)(6)
 - a. EPO NOTES- COMPLETED JANUARY 2020. REQUIRED AGAIN IN 2022
- 8) Health and toxicity sampling conducted WWSW 37(2)(6)
 - a. EPO NOTES- COMPLETED JANUARY 2020. REQUIRED AGAIN IN 2022.
- 9) Trihalomethane sampling conducted WWSW 37(2)(6)
 - a. EPO NOTES- PLEASE CONDUCT A THM ANALYSIS TO ASCERTAIN IF THERE IS ANY DISINFECTION BY PRODUCTS FORMING IN THE SYSTEM
- 10) QA/QC and ERP in place WWSW 41(1)
 - a. EPO NOTES- UPDATE THE QA/QC AND EMERGENCY RESPONSE PLAN IF NECESSARY AND FORWARD TO THE EPO. INFO AND TEMPLATES CAN BE FOUND ON SASKH20.CA
- 11) Monthly review of records by permittee WWSW 41(2)
 - a. EPO NOTES- SIGNED BY ADMIN AND ACTING CLERK SINCE THE ADMIN LEFT
- 12) Written notice provided to Minister of completion of annual notice to consumers WWSW 42(2)
 - a. EPO NOTES- RECEIVED

Below is the non-compliant issued from the last inspection that are now compliant:

- 1) Calibration records for test equipment WWSW 40(1)(h)
 - a. EPO NOTES- ALL DATA COMPILED NOW
- 2) No default values used WWSW 40(2)(g)
 - a. Completed

ADMINISTRATIVE RECOMMENDATION(S):

“THAT the Waterworks Compliance Inspection report dated June 8th, 2021 be received and accepted as information.”

ATTACHMENT:

Waterworks Compliance Inspection Report June 8th, 2021