

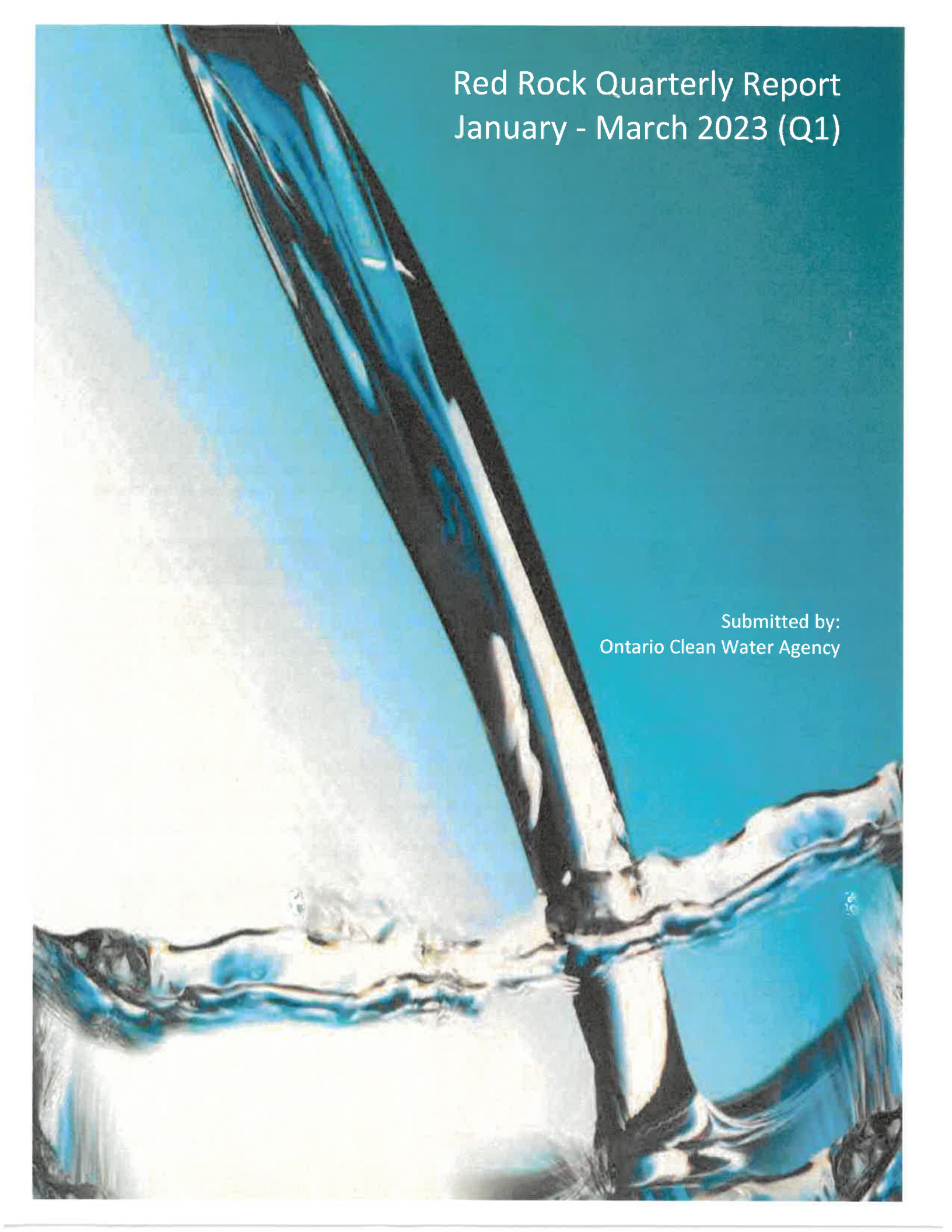
**AGENDA FOR THE COUNCIL MEETING OF
THE CORPORATION OF THE TOWNSHIP OF RED ROCK
FOR THE 979th REGULAR MEETING ON APRIL 17th, 2023 AT 6:30 P.M.**

1. Closed Session
2. Report from Closed Session
3. Preliminary Matters:
 - Item 3.1: Call to Order (7:00pm)
 - Item 3.2: Traditional Territory Acknowledgement & Moment of Silence
 - Item 3.3: Amendments to/Acceptance of Agenda RES
 - Item 3.4: Request/Receive Disclosures of Interest
4. Presentations or Deputations
 - Item 4.1: Ontario Clean Water Agency – Water & Wastewater Reports RES (5)
5. Minutes of Previous Council Meeting(s)
 - Item 5.1: Minutes of the April 4, 2023 Council Meeting (Open & Closed Session) RES
6. Correspondence
 - Item 6.1: Resolutions from other Municipalities RES (2)
 - Item 6.2: MPP Lise Vaugeois – Letter to Ministry of Transportation
 - Item 6.3: Ontario Waterpower Association – News Release
 - Item 6.4: NWMO – 2020-2022 Triennial Report
 - Item 6.5: NOMA – March 22, 2023 Board Meeting Summary Report
 - Item 6.6: NOMA – 2023 Annual Meeting and Conference Agenda
 - Item 6.7: Red Rock Fish & Game Club – 24th Annual Trout Derby RES
 - Item 6.8: CP Rail – 2023 Vegetation Control Program
 - Item 6.9: Red Rock, Nipigon & Dorion Libraries – A Superior Adventure RES
7. Reports from Committees, Boards or Agencies
8. Reports from Administration
 - Item 8.1: Report from Director of Operations RES
 - Item 8.2: Report from Fire Chief RES
 - Item 8.3: Report from Community Development Office RES
 - Item 8.4: Report on Administrative Activity RES
 - Item 8.5: Report on Council Advisory Committees Terms of Reference RES
 - Item 8.6: Report on Committee of Adjustment Training
 - Item 8.7: Report on Expense Policy RES
9. By-laws
10. New Business
11. Unfinished Business
 - Item 11.1: Taxation
12. Closed Session (if required)
13. Report from Closed Session

14. Confirming By-law (#2023-1318)

RES

15. Adjournment



Red Rock Quarterly Report
January - March 2023 (Q1)

Submitted by:
Ontario Clean Water Agency

FACILITY DESCRIPTIONS

Facilities: Red Rock Water Treatment & Wastewater Treatment
Regional Manager: Jeff St. Pierre (705) 943-5578
General Manager: Patrick Albert (807) 853-0650
Operators: Dave Houston – Team Lead, Clarke Rampersad
Facility Type: Municipal
Classification: Class II Water Treatment, Class III Wastewater Treatment

SERVICE INFORMATION

Population Served: 895

Water Treatment Plant Flows

During the months of January - March the Red Rock Drinking Water System operated without interruption. Total treated water flow for the system in January was 6,945.85 (m³), February was 6,347.94 (m³), and March was 5,764.41 (m³); total flow YTD is 19,058.2 (m³). The maximum flow rate from the treatment system to the distribution system shall not exceed the rated capacity of 2,722 (m³/d). In January the max flow was 296.8 (m³/d), in February the max flow was 268.37 (m³/d), and in March the max flow was 272.71 (m³/d).

| Treated Water | Total Water Flow (m ³) | Daily Average Flow (m ³ /d) | Daily Maximum Flow (m ³ /d) |
|--------------------------------|------------------------------------|--|--|
| January | 6,945.85 | 224.06 | 296.8 |
| February | 6,347.94 | 226.71 | 268.37 |
| March | 5,764.41 | 185.95 | 272.71 |
| Total Treated Water YTD | 19,058.2 | | |

Wastewater Treatment Plant Flows

During the Months of January - March the new Red Rock Wastewater Treatment facility operated without interruption. Total effluent flow for the system in January was 10,730 (m³), February 10,068 (m³) and March was 10,305 (m³); Total effluent flow year to date is 31,103 (m³). The plant capacity for the Red Rock Wastewater facility is approximately 900 (m³/d) and peak hourly flow rate of 5,000 (m³/d). In January the max effluent flow was 466 (m³/d), in February the max effluent flow was 728 (m³/d) and in March the max effluent flow was 439 (m³/d).

| Final Effluent | Total Effluent Flow (m ³) | Daily Average Effluent Flow (m ³ /d) | Daily Maximum Effluent Flow (m ³ /d) |
|--------------------------------|---------------------------------------|---|---|
| January | 10,730 | 346.13 | 466 |
| February | 10,068 | 359.57 | 728 |
| March | 10,305 | 332.42 | 439 |
| Total Effluent Flow YTD | 31,103 | | |

COMPLIANCE SUMMARY

All bacteriological and chemical laboratory sampling, as well as distribution chlorine residuals were taken within the proper timelines as per Ontario Regulation 170/03 and no adverse result was detected.
All staff operating the system are licenced to the required level as per Ontario Regulation 128/04.

OCCUPATIONAL HEALTH & SAFETY

There were no new health and safety related concerns or incidents reported during the months of January - March.

INSPECTIONS/COMMUNICATION WITH REGULATORY AUTHORITY

Received final annual inspection reports, waiting for inspection rating.

COMPLAINTS & CONCERNS

There were no community complaints or concerns throughout Q1, 2023

ALARMS/CALL OUTS

Jan 26 – No polymer pump flow/plant shutdown

Feb 28 – Low pH

March 9 – Low Chlorine/plant shutdown

OVERALL RESPONSIBLE OPERATOR

As Overall Responsible Operator for the systems in Red Rock, it is imperative that OCWA staff be notified of any activities regarding the water systems that affect water quality. Communication has been very good between the Township staff and OCWA staff; this level of communication is appreciated as a safeguard for the community, Council and OCWA in maintaining a safe drinking water system which delivers reliable potable water to its residents.

CAPITAL PROJECT/WORK

Capital Recommendations have been submitted for 2023

OPERATIONS CERTIFICATION

| | Patrick Albert General Manager | Dave Houston O&M Team Lead | Clarke Rampersad Mechanic/Operator |
|--|-----------------------------------|----------------------------------|---------------------------------------|
| Water Treatment | Level 2 | Level 3 | Level 1 |
| Water Distribution or Distribution and Supply | Level 1 | Deemed Level 1 | Deemed Level 1 |
| Wastewater Treatment | Level 2 | Level 3 | Level 1 |

| | | | |
|-----------------------|---------|---------|----------------|
| Wastewater Collection | Level 1 | Level 2 | Deemed Level 1 |
|-----------------------|---------|---------|----------------|

** Certification is current as of the date of report.

In closing, I would like to thank you for taking the time to review the Quarterly operational report for the Months of January - March and if you have any questions or concerns at any time please feel free to contact me as I would be happy to assist you.

Thank you

Patrick Albert

Patrick Albert
General Manager | Ontario Clean Water Agency
North-western Hub | 40 Hemlo Dr, Marathon ON P0T 2E0
Cell 807-853-0650
E-mail palbert@ocwa.com





February 2023

The Corporation of the Township of Red Rock
30 Baker Street
PO Box 447
Red Rock, ON
P0T 2P0

Re: O. Regulation 170 - 2022 Section 11 Annual Report for the Red Rock Drinking-Water System

Ontario's Drinking-Water Systems Regulation (O.Reg. 170/03), made under the *Safe Drinking Water Act, 2002*, requires that the owner of a drinking water system prepare an annual report on the operation of the system and the quality of its water.

The annual report must cover the period of January 1st to December 31st in a year and must be prepared not later than February 28th of the following year. Pursuant to the legislative requirements, enclosed for your records is the 2022 Annual Report for the Red Rock Drinking-Water System.

Pursuant to the legislative requirements, Section 11 (6): the annual report must:

- (a) Contain a brief description of the drinking-water system, including a list of water treatment chemicals used by the system during the period covered by the report;
- (b) Summarize any reports made to the Ministry under subsection 18 (1) of the Act or section 16-4 of Schedule 16 during the period covered by the report;
- (c) Summarize the results of tests required under this Regulation, or an approval or order, including an OWRA order, during the period covered by the report and, if tests required under this Regulation in respect of a parameter were not required during that period, summarize the most recent results of tests of that parameter;
- (d) Describe any corrective actions taken under Schedule 17 or 18 during the period covered by the report;
- (e) Describe any major expenses incurred during the period covered by the report to install, repair or replace required equipment; and
- (f) In the case of a large municipal residential system or a small municipal residential system, include a statement of where a report prepared under Schedule 22 will be available for inspection under subsection 12 (4). O. Reg. 170/03, s. 11 (6)

In addition, Section 11 (7) gives the direction that a copy of an annual report for the system is given, without charge, to every person who requests a copy and be made available for inspection by any member of the public during normal business hours. The report should be made available at the office of the municipality, or at a location that is accessible to the users of the water system.

Yours truly,

Patrick Albert

Patrick Albert
Senior Operations Manager
Northwestern Ontario Regional Hub
807-853-0650

Copy to: Mark Figliomeni – CAO/Clerk
Blair Westerman – Public Works Superintendent
Operations Staff – Red Rock Drinking Water System



2022 Section 11 Annual Report

Red Rock Drinking Water System

February 2023

Prepared by the



Ontario Clean Water Agency
Agence Ontarienne Des Eaux



Section 11 ANNUAL REPORT

| | |
|--|---|
| Drinking-Water System Number: | 220000193 |
| Drinking-Water System Name: | Red Rock Drinking Water System |
| Drinking-Water System Owner: | The Corporation of the Township of Red Rock |
| Drinking-Water System Category: | Large Municipal Residential Drinking Water-System |
| Period being reported: | January 1 – December 31, 2022 |

| | |
|--|---|
| <p><u>Complete if your Category is Large Municipal Residential or Small Municipal Residential</u></p> <p>Does your Drinking-Water System serve more than 10,000 people? Yes [] No [X]</p> <p>Is your annual report available to the public at no charge on a web site on the Internet? Yes [] No [X]</p> <p>Location where Summary Report required under O. Reg. 170/03 Schedule 22 will be available for inspection.</p> <div style="border: 1px solid black; padding: 5px; width: fit-content;"> <p>The Township of Red Rock Municipal Building 42 Salls Street Red Rock, ON POT 2P0</p> </div> | <p><u>Complete for all other Categories.</u></p> <p>Number of Designated Facilities served: <div style="border: 1px solid black; padding: 2px; display: inline-block;">N/A</div> </p> <p>Did you provide a copy of your annual report to all Designated Facilities you serve? Yes [] No []</p> <p>Number of Interested Authorities you report to: <div style="border: 1px solid black; padding: 2px; display: inline-block;">N/A</div> </p> <p>Did you provide a copy of your annual report to all Interested Authorities you report to for each Designated Facility? Yes [] No []</p> |
|--|---|

Note: For the following tables below, additional rows or columns may be added or an appendix may be attached to the report

List all Drinking-Water Systems (if any), which receive all of their drinking water from your system:

| Drinking Water System Name | Drinking Water System Number |
|----------------------------|------------------------------|
| N/A | N/A |

Did you provide a copy of your annual report to all Drinking-Water System owners that are connected to you and to whom you provide all of its drinking water?

Yes [] No []



Ontario Drinking-Water Systems Regulation O. Reg. 170/03

Indicate how you notified system users that your annual report is available, and is free of charge.

- Public access/notice via the web
- Public access/notice via Government Office (Municipal)
- Public access/notice via a newspaper
- Public access/notice via Public Request
- Public access/notice via a Public Library
- Public access/notice via other method – Community Television Channel

Describe your Drinking-Water System

Surface water is drawn from Nipigon Bay in Lake Superior and pumped by low lift pumps to the water treatment plant. There it is chlorinated before entering an up-flow solids contact clarifier. Alum, bentonite, and a non-ionic polymer are added to the clarifier to facilitate coagulation, flocculation and sedimentation. Soda-ash is added post clarification to adjust pH. The water then flows by gravity to sand and anthracite filters. Filtered water is chlorinated in the filtered water reservoirs which also serve as backwash water storage tanks. The filtered and chlorinated water then flows to one of two ultra-violet light disinfection units and then to a clear-well. Service pumps send the treated water to the distribution system which includes an elevated storage tank. A sodium hypo-chlorite pumping system is used at the water tower providing re-chlorination (secondary disinfection) of the water as it enters or exits the water tower. The chlorine residual at the water tower is analyzed and recorded continuously and critical control points are alarmed by an auto-dialer.

List all water treatment chemicals used over this reporting period

- Chlorine gas
- Soda-ash
- Alum
- Bentonite
- Polymer

Were any significant expenses incurred to?

- Install required equipment
- Repair required equipment
- Replace required equipment

Please provide a brief description and a breakdown of monetary expenses incurred

| Install | Repair | Replace | Description | Expense |
|---------|--------|---------|--|------------|
| X | | X | IT Technician to install analyzer at water tower | \$854.46 |
| | X | | UV 2 Repairs | \$1,623.69 |

Provide details on the notices submitted in accordance with subsection 18(1) of the Safe Drinking-Water Act or section 16-4 of Schedule 16 of O.Reg.170/03 and reported to Spills Action Centre

| Incident Date | Parameter | Result | Unit of Measure | Corrective Action | Corrective Action Date |
|------------------|--|--------|-----------------|--|------------------------|
| Jan 17 2022 | High Distribution Chlorine | 4 to 5 | mg/L | Backwashed filter, drained some water from the clearwell | Jan 18 2022 |
| Feb 9 2022 | NC for 2B form submitted greater than 7 days after issue has been resolved | | | NC notification was submitted to MECP | |
| June 15 2022 | Low pressure - water main section was isolated for hydrant replacement | | | Disinfection increased, flushing, BWA | June 21 2022 |
| October 12 2022 | Loss of Data | | | | October 25 2022 |
| December 16 2022 | NC for collecting Sch 23/24 outside of window | | | collected samples 24 days after due date | |

Microbiological testing done under the Schedule 10, 11 or 12 of Regulation 170/03, during this reporting period.

| | Number of Samples | Range of E.Coli Or Fecal Results (min #)-(max #) | Range of Total Coliform Results (min #)-(max #) | Number of HPC Samples | Range of HPC Results (min #)-(max #) |
|--------------|-------------------|--|---|-----------------------|--------------------------------------|
| Raw | 53 | 0 – 6 | 0 – 118 | | 0 – 3 |
| Treated | 53 | 0 – 0 | 0 – 0 | 53 | 0 – 3 |
| Distribution | 106 | 0 – 0 | 0 – 0 | 53 | 0 – 10 |

Operational testing done under Schedule 7, 8 or 9 of Regulation 170/03 during the period covered by this Annual Report.

| | Number of Grab Samples | Range of Results (min #)-(max #) |
|--|------------------------|----------------------------------|
| Turbidity | | |
| Raw | 8760 | 0 – 222.22 NTU |
| Filter #A | 8760 | 0 – 8.82 NTU |
| Filter #B | 8760 | 0 – 10.00 NTU |
| Filter #C | 8760 | 0 – 9.99 NTU |
| Filter #D | 8760 | 0 – 9.99 NTU |
| Chlorine | | |
| Treated | 8760 | 0 – 4.999 mg/L |
| Distribution | 364 | 0.12 – 1.88 mg/L |
| Fluoride (If the DWS provides fluoridation) | N/A | N/A |

NOTE: For continuous monitors use 8760 as the number of samples.

** Turbidity & chlorine Min/Max (lows/highs) are due to planned maintenance and not plant upset.*

Summary of additional testing and sampling carried out in accordance with the requirement of an approval, order or other legal instrument.

| Date of legal instrument issued | Parameter | Date Sampled | Result | Unit of Measure |
|---------------------------------|-----------|--------------|--------|-----------------|
| N/A | N/A | N/A | N/A | N/A |

Summary of Inorganic parameters tested during this reporting period or the most recent sample results

| Parameter | Sample Date | Result Value | Unit of Measure | Exceedance |
|-----------|------------------------------|--------------|-----------------|------------|
| Antimony | 2021/10/21 | <0.6 | µg/L | No |
| Arsenic | 2021/10/21 | <1.0 | µg/L | No |
| Barium | 2021/10/21 | 11.0 | µg/L | No |
| Boron | 2021/10/21 | <50.0 | µg/L | No |
| Cadmium | 2021/10/21 | <0.1 | µg/L | No |
| Chromium | 2021/10/21 | <1.0 | µg/L | No |
| *Lead | Refer to Summary Table Below | | | |
| Mercury | 2021/10/21 | <0.1 | µg/L | No |
| Selenium | 2021/10/21 | <1.0 | µg/L | No |
| Sodium | 2021/10/21 | 10.3 | mg/L | No |
| Uranium | 2021/10/21 | <2.0 | µg/L | No |
| Fluoride | 2021/10/26 | <0.02 | mg/L | No |
| Nitrite | 2022/02/09 | <0.01 | mg/L | No |
| | 2022/05/10 | <0.01 | mg/L | No |
| | 2022/08/03 | <0.01 | mg/L | No |
| | 2022/11/08 | <0.01 | mg/L | No |



Ontario Drinking-Water Systems Regulation O. Reg. 170/03

| | | | | |
|---------|------------|-------|------|----|
| Nitrate | 2022/02/09 | 0.082 | mg/L | No |
| | 2022/05/10 | 0.09 | mg/L | No |
| | 2022/08/03 | 0.124 | mg/L | No |
| | 2022/11/08 | 0.063 | mg/L | No |

*only for drinking water systems testing under Schedule 15.2; this includes large municipal non-residential systems, small municipal non-residential systems, non-municipal seasonal residential systems, large non-municipal non-residential systems, and small non-municipal non-residential systems

Summary of lead testing under Schedule 15.1 during this reporting period

(applicable to the following drinking water systems; large municipal residential systems, small municipal residential systems, and non-municipal year-round residential systems)

| Location Type | Number of Samples | Range of Lead Results (min#) – (max #) | Number of Exceedances |
|---------------|-------------------|--|-----------------------|
| Plumbing | N/A | N/A | N/A |
| Distribution | 4 | <0.1 -3.3 | 0 |

Summary of Organic parameters sampled during this reporting period or the most recent sample results

| Parameter | Sample Date | Result Value | Unit of Measure | Exceedance |
|--|-------------|--------------|-----------------|------------|
| Alachlor | 2021/10/21 | < 0.1 | µg/L | No |
| Atrazine | 2021/10/21 | < 0.1 | µg/L | No |
| Atrazine & Metabolites | 2021/10/21 | < 0.2 | µg/L | No |
| Azinphos-methyl | 2021/10/21 | < 0.1 | µg/L | No |
| Benzene | 2021/10/21 | < 0.5 | µg/L | No |
| Benzo(a)pyrene | 2021/10/21 | < 0.0050 | µg/L | No |
| Bromoxynil | 2021/10/21 | < 0.2 | µg/L | No |
| Carbaryl | 2021/10/21 | < 0.2 | µg/L | No |
| Carbofuran | 2021/10/21 | < 0.2 | µg/L | No |
| Carbon Tetrachloride | 2021/10/21 | < 0.2 | µg/L | No |
| Chlorpyrifos | 2021/10/21 | < 0.1 | µg/L | No |
| Diazinon | 2021/10/21 | < 0.1 | µg/L | No |
| Dicamba | 2021/10/21 | < 0.2 | µg/L | No |
| 1,2-Dichlorobenzene | 2021/10/21 | < 0.5 | µg/L | No |
| 1,4-Dichlorobenzene | 2021/10/21 | < 0.5 | µg/L | No |
| 1,2-Dichloroethane | 2021/10/21 | < 0.5 | µg/L | No |
| 1,1-Dichloroethylene (vinylidene chloride) | 2021/10/21 | < 0.5 | µg/L | No |

| | | | | |
|--|----------------------------|--------------|--------------|-----------|
| Dichloromethane (methylene chloride) | 2021/10/21 | < 5.0 | µg/L | No |
| 2-4 Dichlorophenol | 2021/10/21 | < 0.3 | µg/L | No |
| 2,4-Dichlorophenoxy acetic acid (2,4-D) | 2021/10/21 | < 0.2 | µg/L | No |
| Diclofop-methyl | 2021/10/21 | < 0.2 | µg/L | No |
| Dimethoate | 2021/10/21 | < 0.1 | µg/L | No |
| Diquat | 2021/10/21 | < 1.0 | µg/L | No |
| Diuron | 2021/10/21 | < 1.0 | µg/L | No |
| Glyphosate | 2021/10/21 | < 5.0 | µg/L | No |
| Haloacetic acids (HAA) (NOTE: show latest annual average) | 2022/11/08 2022 Average | 83.2 56.4 | µg/L | Yes No |
| Malathion | 2021/10/21 | < 0.1 | µg/L | No |
| Metolachlor | 2021/10/21 | < 0.1 | µg/L | No |
| Metribuzin | 2021/10/21 | < 0.1 | µg/L | No |
| Monochlorobenzene | 2021/10/21 | < 0.5 | µg/L | No |
| Paraquat | 2021/10/21 | < 1.0 | µg/L | No |
| Pentachlorophenol | 2021/10/21 | < 0.5 | µg/L | No |
| Phorate | 2021/10/21 | < 0.1 | µg/L | No |
| Picloram | 2021/10/21 | < 0.2 | µg/L | No |
| Polychlorinated Biphenyls(PCB) | 2021/10/21 | < 0.035 | µg/L | No |
| Prometryne | 2021/10/21 | < 0.1 | µg/L | No |
| Simazine | 2021/10/21 | < 0.1 | µg/L | No |
| THM (NOTE: show latest annual average) | 2022/11/08 2022 Average | 61.1 57.0 | µg/L µg/L | No No |
| Terbufos | 2021/10/21 | < 0.2 | µg/L | No |
| Tetrachloroethylene | 2021/10/21 | < 0.5 | µg/L | No |
| 2,3,4,6-Tetrachlorophenol | 2021/10/21 | < 0.5 | µg/L | No |
| Triallate | 2021/10/21 | < 0.1 | µg/L | No |
| Trichloroethylene | 2021/10/21 | < 0.5 | µg/L | No |
| 2,4,6-Trichlorophenol | 2021/10/21 | < 0.5 | µg/L | No |
| Trifluralin | 2021/10/21 | < 0.1 | µg/L | No |
| Vinyl Chloride | 2021/10/21 | < 0.2 | µg/L | No |
| MCPA | 2021/10/21 | < 0.2 | µg/L | No |

List any Inorganic or Organic parameter(s) that exceeded half the standard prescribed in Schedule 2 of Ontario Drinking Water Quality Standards.

| Parameter | Result Value | Unit of Measure | Date of Sample |
|-----------|--------------|-----------------|----------------|
| N/A | N/A | N/A | N/A |

March 2023

The Corporation of the Township of Red Rock
30 Baker Street
PO Box 447
Red Rock, ON
P0T 2P0

Re: 2022 Annual Summary Report for the Red Rock Drinking-Water System

Ontario's Drinking-Water Systems Regulation (O.Reg.170/03), made under the *Safe Drinking Water Act, 2002*, requires that the owner of a drinking water system prepare an annual summary for municipalities on the operation of the system and the quality of its water.

The annual summary must cover the period of January 1st to December 31st in a year and must *be prepared not later than March 31st* of the following year. Pursuant to the legislative requirements, enclosed for your records is the 2022 Annual Summary for the Red Rock Drinking-Water System.

Pursuant to the legislative requirements, *Schedule 22 Summary Reports for Municipalities*, the annual summary must:

- (a) list the requirements of the Act, the regulations, the system's approval, drinking water works permit, municipal drinking water licence, and any orders applicable to the system that were not met at any time during the period covered by the report; and,
- (b) for each requirement referred to in clause (a) that was not met, specify the duration of the failure and the measures that were taken to correct the failure."

- O. Reg. 170/03 s. 22 (2)

"The report must also include the following information for the purpose of enabling the owner of the system to assess the rated capability of their system to meet existing and planned uses of the system:

1. A summary of the quantities and flow rates of the water supplied during the period covered by the report, including monthly average and maximum daily flows.
2. A comparison of the summary referred to in paragraph 1 to the rated capacity and flow rates approved in the system's approval, drinking water works permit or municipal drinking water licence, or if the system is receiving all of its water from another system under an agreement pursuant to subsection 5 (4), to the flow rates specified in the written agreement."

-O. Reg. 170/03 s. 22 (3)

In addition, Section 12 (1) - 4 - gives the direction that a copy of the annual summary for the system is given, without charge, to every person who requests a copy and be made available for inspection by any member of the public during normal business hours. The reports should be made available at the office of the municipality, or at a location that is accessible to the users of the water system.

This report was prepared by the Ontario Clean Water Agency on behalf of the Township of Red Rock and is based on information kept on record by OCWA at the Red Rock Drinking-Water System. The report covers the period January 1st through to December 31st 2022.

Yours truly,

Patrick Albert

Patrick Albert
General Manager
Northwestern Ontario Regional Hub
807-853-0650

Copy to: Mark Figliomeni – CAO/Clerk
Blair Westerman – Public Works Superintendent
Operations Staff – Red Rock Drinking Water System





2022 Schedule 22 Annual Summary Report

Red Rock Drinking-Water System

February 2023

Prepared by the



Ontario Clean Water Agency
Agence Ontarienne Des Eaux

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Section 1: Introduction

This report is a summary of water quality information for the Red Rock Drinking-Water System, published in accordance with Schedule 22 of Ontario's Drinking-Water Systems Regulation for the reporting period of January 1st to December 31st 2022. The Red Rock Drinking-Water System is categorized as a Large Municipal Residential Drinking Water System.

This report is prepared by The Ontario Clean Water Agency on behalf of the Corporation of the Township of Red Rock. A copy of the Summary Report is to be provided to the members of the municipal council by March 31st 2023.

Section 2: What Does This Report Contain?

"The report must,

- (a) list the requirements of the Act, the regulations, the system's approval, drinking water works permit, municipal drinking water licence, and any orders applicable to the system that were not met at any time during the period covered by the report; and,
- (b) for each requirement referred to in clause (a) that was not met, specify the duration of the failure and the measures that were taken to correct the failure."

- O. Reg. 170/03 s. 22 (2)

"The report must also include the following information for the purpose of enabling the owner of the system to assess the rated capability of their system to meet existing and planned uses of the system:

1. A summary of the quantities and flow rates of the water supplied during the period covered by the report, including monthly average and maximum daily flows.
2. A comparison of the summary referred to in paragraph 1 to the rated capacity and flow rates approved in the system's approval, drinking water works permit or municipal drinking water licence, or if the system is receiving all of its water from another system under an agreement pursuant to subsection 5 (4), to the flow rates specified in the written agreement."

- O. Reg. 170/03 s. 22 (3)

Section 3: Daily Flow Rates

In accordance with the *Municipal Drinking Water Licence 297-101 Schedule C: System – Specific Conditions 1.0 Performance Limits*, the Red Rock drinking-water system shall not be operated to exceed the rated capacity for maximum flow rate from the treatment subsystem to the distribution system of **2,722 m³ / day**.

The drinking-water system may be operated temporarily at a rate above the rated capacity where necessary for:

- i) the purposes of fighting a large fire or,
- ii) the maintenance of the drinking-water system

The Red Rock Drinking-Water facility operated below the rated capacity of 2,722m³/day in 2022. The average monthly raw flow rate was 8567.77 m³; the average raw daily flow rate was 282.43 m³, with a maximum raw daily flow rate of 481.23 m³.

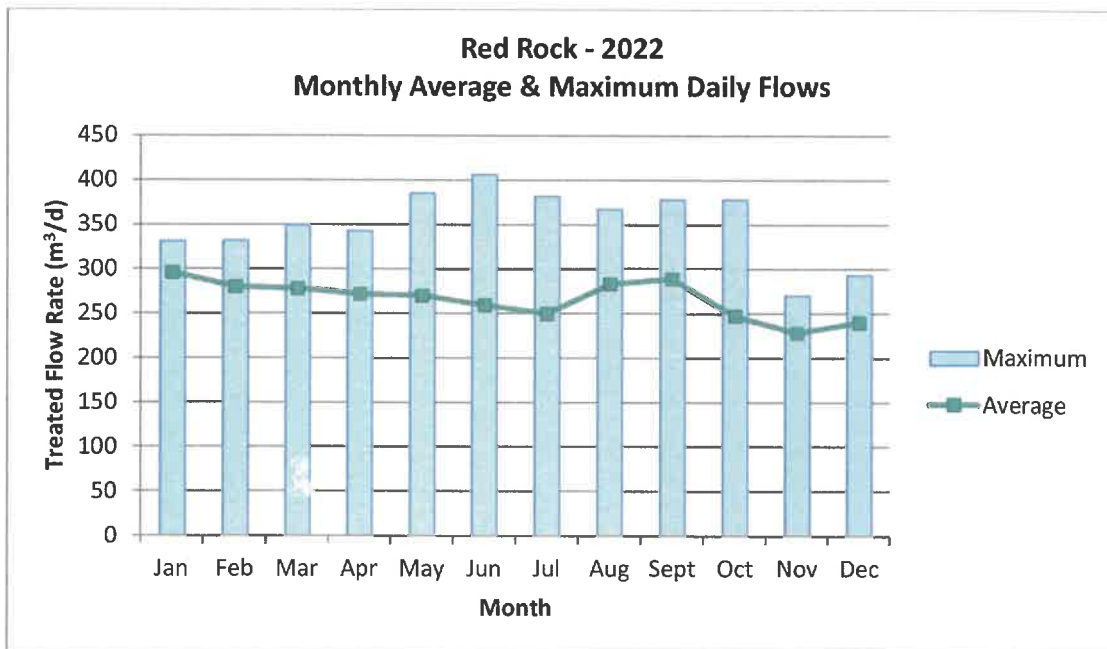
In 2022, the average monthly treated flow rate was 7596.79 m³; the average daily treated flow rate was 266.05 m³; and the maximum daily treated flow rate for the year was 406.10 m³ representing 14.92% of the allowable daily volume.

A summary of raw and treated flows, including maximum raw flow into the treatment system as well as treated average, maximum and total flow rates are included in the tables below.

The quantity of raw water supplied during the reporting period did not exceed the terms and conditions of the *Permit to Take Water* while the maximum daily treated flow rate did exceed the rated capacity for this system.

Monthly Raw & Treated Flow Rates for 2022

| Month | Average Daily Raw Flow Rate (m ³ /d) | Maximum Daily Raw Flow Rate (m ³ /d) | Average Daily Treated Flow Rate (m ³ /d) | Maximum Daily Treated Flow Rate (m ³ /d) | Total Monthly Treated Flow Rate (m ³ /month) |
|--|---|---|---|---|---|
| January | 294.63 | 427.89 | 296.09 | 331.00 | 3,256.96 |
| February | 283.02 | 349.60 | 280.19 | 331.64 | 7,845.32 |
| March | 280.65 | 345.41 | 277.88 | 348.96 | 8,614.15 |
| April | 284.45 | 362.27 | 271.82 | 343.03 | 8,154.66 |
| May | 290.73 | 418.64 | 270.09 | 385.58 | 8,372.66 |
| June | 278.93 | 439.67 | 259.18 | 406.10 | 7,775.33 |
| July | 277.64 | 481.23 | 249.74 | 381.66 | 7,741.94 |
| August | 298.01 | 371.52 | 283.29 | 367.31 | 8,781.93 |
| September | 311.57 | 408.33 | 288.93 | 378.16 | 8,667.99 |
| October | 273.42 | 395.82 | 247.35 | 378.28 | 7,667.91 |
| November | 250.75 | 301.75 | 228.10 | 270.10 | 6,843.00 |
| December | 265.40 | 351.50 | 239.99 | 293.10 | 7,439.65 |
| 2022 Total Treated Flows (m ³) | | | | 91,161.49 | |



Section 4: System Failures and Correction

The Ministry of Environment conducted an *unannounced* inspection of the Red Rock Drinking Water System on January 18 2022. The 2022 final inspection report identified eight non-conformances as summarized in the table below.

The 2022 final inspection rating record for the Red Rock Drinking Water System was 86.32%.

| Item | Non-Compliance Identified | Compliance Date | Action Being Taken to Address item | Status |
|------|---|--------------------------------------|---|----------|
| 1 | <p>Logbooks were not properly maintained and/or did not contain the required information. The owner and operating authority is required to make logbook records in accordance with O. Reg. 128/04 s. 27 which include, and are not limited to, any unusual or abnormal conditions that were observed in the subsystem during the shift, any action that was taken and any conclusions drawn from the observations. The logbooks do not mention the following AWQI incidents:</p> <ul style="list-style-type: none"> - April 15, 2021 loss of pressure due to isolating a watermain to restore service to a customer at 17 Newton Ave, approximately 25 households affected. Boil water advisory was issued by public health unit and notices provided to affected users. - April 18, 2021 loss of pressure due to main isolation on North end of Brompton Road. Water was shut off for service repair and affected 20-25 people. <p>After the draft report was circulated for review, personal logbooks detailing the incidents above were provided. Records made within a personal logbook shall be furnished at the time of the inspection or included within the facility logbook.</p> | | Both these events were documented in the operator's personal log book. When the log books were picked up to bring to the undersigned inspector it was forgotten. These notes were provided to the undersigned inspector for the draft response. | Complete |
| 2 | <p>1. The previous 2020-2021 Red Rock DWS Inspection Report noted the following noncompliance: Section 1.6.4 of Schedule C of MDWL Number 297-101 requires that a monthly summary report is prepared at the end of each calendar month which sets out the time, date and duration of each UV equipment alarm signalling unit malfunction, loss of power, or the unit is not providing the appropriate level of disinfection. The monthly report requires the time, date and duration of each UV equipment alarm described in condition 1.6.3, the volume of water treated during each alarm period and the actions taken by the operating authority to correct the alarm situation. It was noted during the (previous) inspection that the operating authority have not been generating monthly UV alarm reports containing the prescribed information. It was reported that the alarm summaries are displayed on the UV control panel interface, but not all required information is provided in this format. It was reported during this current inspection review period that there were no instances where there was water passing through the UV system below the minimum dosing. A review of the alarm reports contained numerous instances of UV alarm which meets the requirement set</p> | <p>April 25 2022 June 1 2022</p> | <p>OCWA will by April 25, 2022 create an SOP outlining the requirements set out in section 1.6 of the current MDWL for preparing a monthly UV alarm report and how to prepare the monthly report. OCWA will ensure the undersigned inspector receives a copy of this SOP by the April 25, 2022 deadline.</p> <p>OCWA will by June 1, 2022 create a monthly UV alarm report for each month from the start of the review period until present. OCWA will continue to complete monthly UV alarm reports each month moving forward and will file at the facility.</p> | Complete |

| | | | | |
|---|---|--------------------------------------|---|----------|
| | out in condition 1.6.3 of the current MDWL to include such alarms in a monthly report. | | | |
| 3 | <p>2. AWQI 153191 was issued on December 8, 2020 due to the isolation of a watermain during repair. A boil water advisory (BWA) was put in place during the repair due to low pressure in the distribution system. Notifications were appropriately made in response to the incident and corrective actions were taken appropriately. Samples were collected for total coliform and E.coli analysis. One of the samples came back with total coliform present. This sample was reported under AWQI 153203 on December 9, 2020. Corrective action was appropriately taken to resolve this latter incident and a Notice of Resolution was submitted on December 15, 2020 in which the BWA was lifted.</p> <p>It was reported that Notice of Resolution was not completed and appropriately submitted to resolve AWQI 153191 as required under O. Reg. 170/03 Schedule 16-9. This incident remains open.</p> | April 11 2022 | The notice of resolution will be submitted for AWQI 153191 by April 11, 2022 by the Township. The notice of resolution was sent to the undersigned inspector as part of the draft response. | Complete |
| 4 | <p>All UV sensors were not checked and calibrated as required. Schedule E of the current MDWL requires monthly UV sensor checks against a reference UV sensor.</p> <p>The UV sensor verification records were reviewed for the inspection period. The records confirmed that UV sensor verifications prescribed by Trojan UV reference sensor procedure are being performed monthly by operation staff except for February 2021 in which no record was provided. Notes were made within the logbook that confirm that the sensor check was completed. Calibration ratio of available monthly UV verifications complied with MDWL conditions</p> | N/A May 3, June 3, July 3 2022 | OCWA will continue to complete 72 hr. reviews and will ensure that it is documented properly in the daily log book. OCWA will also insure to provide to the undersigned inspector the monthly log books from April, May and June 2022 by no later than the 3rd day of the following month. The operators have been notified, via emial, the requirements of O.Reg 170/03 Schedule 6-5 section (1)1-4. | Complete |
| 5 | Records did not confirm that the water treatment equipment which provides chlorination or chloramination for secondary disinfection purposes was operated so that at all times and all locations in the distribution system the chlorine residual was never less than 0.05 mg/l free or 0.25 mg/l combined. Distribution system chlorine residuals are measured continuously at the Red Rock elevated water tower using an on-line chlorine analyzer as a back-up and through collecting grab samples a hand-held chlorine analyzer throughout the distribution system two times per week by the operator at four and three locations, respectively, with the exceptions listed in question MRDW1033000. During the inspection review period the minimum distribution chlorine residual of 0.05mg/L was measured and recorded on November 9, 2021 at distribution location DW3 using a hand-held chlorine analyzer. Chlorine residual grab samples, which are used to monitor secondary disinfection, were missed during this inspection review period. Compliance cannot be confirmed. | | OCWA has attached the wiski and the distribution residual round sheet for November 9, 2021 and it shows a value of 0.5 mg/l. All data was provided to the undersigned inspector prior to the draft, as it was requested. In the draft response, OCWA provided the data again to the undersigned inspector to reiterate that the free chlorine distribution residual was 0.5mg/L and not 0.05mg/L. | Complete |
| 6 | All haloacetic acid water quality monitoring requirements prescribed by legislation are not being conducted within the required frequency and/or at the required location. The owner of the Red Rock DWS must ensure that at least one distribution sample is taken in each calendar quarter and at least 60 days, and not more than 120 days, after a sample was taken for that purpose in the previous calendar quarter from a point in the drinking water system's distribution system or plumbing that is connected to the drinking water system, that is likely to | | OCWA will ensure operators are aware of the sampling requirements of O.Reg 170/03 Schedule 6-1.1(4) and a training record will be provided to the undersigned inspector. | Complete |

| | | | |
|---|--|---|----------|
| | <p>have an elevated potential for the formation of haloacetic acids (HAA) and is tested for HAAs. Since the last ministry inspection, HAA samples were collected at the following locations: November 10, 2020 (60.3 µg/L) February 2, 2021 (36.8 µg/L) June 3, 2021 (64.7 µg/L) (121 days after previous sample) August 17, 2021 (39.6 µg/L) October 26, 2021 (32.1 µg/L) The running annual average concentration of HAAs in the past four quarterly samples is 35.8 µg/L, which is below the Ontario Drinking Water Standard of 80 µg/L.</p> | | |
| 7 | <p>All trihalomethane water quality monitoring requirements prescribed by legislation were not conducted within the required frequency and at the required location. The owner of the Red Rock DWS must ensure that at least one distribution sample is taken in each calendar quarter and at least 60 days, and not more than 120 days, after a sample was taken for that purpose in the previous calendar quarter from a point in the drinking water system's distribution system or plumbing that is connected to the drinking water system, that is likely to have an elevated potential for the formation of trihalomethanes (THM) and is tested for THMs. Since the last ministry inspection, THM samples were collected at the following locations: November 10, 2020 (41.1 µg/L) February 2, 2021 (46.8 µg/L) June 3, 2021 (47.5 µg/L) (121 days after previous sample) August 17, 2021 (74.1 µg/L) October 26, 2021 (49.3 µg/L) The running annual average concentration of THMs in the past four quarterly samples is 54.4 µg/L, which is below the Ontario Drinking Water Standard of 100 µg/L.</p> | <p>OCWA will ensure operators are aware of the sampling requirements of O.Reg 170/03 Schedule 6-1.1(4) and a training record will be provided to the undersigned inspector.</p> | Complete |
| 8 | <p>All nitrate/nitrite water quality monitoring requirements prescribed by legislation were not conducted within the required frequency for the DWS. The owner of the Red Rock DWS shall ensure that at least one water sample is taken every three months (at least 60 days and not more than 120 days after the previous sample) and tested for nitrate and nitrite. The concentration of nitrates and nitrites in all collected samples during the inspection review period was below the ODWQS for nitrate and nitrite (10mg/L and 1 mg/L, respectively) Samples were collected on the following dates: November 24, 2020 - 84 days after previous sample February 2, 2021 - 70 days after previous sample June 3, 2021 - 121 days after previous sample August 17, 2021 - 75 days after previous sample October 26, 2021 - 70 days after previous sample The nitrate sample collected on June 3, 2021 does not meet the sample frequency requirement set out in Schedule 6-1.1 (4) of O. Reg. 170/03.</p> | <p>OCWA will ensure operators are aware of the sampling requirements of O.Reg 170/03 and a training record will be provided to the undersigned inspector.</p> | Complete |

Section 5: Conclusion

In the reporting year of 2022, there were three adverse water quality incident (AWQI) reports filed as summarized in the table below.

| Incident Date | Parameter | Result | Unit of Measure | Corrective Action | Corrective Action Date |
|---------------|---|--------|-----------------|---|------------------------|
| Jan 17 2022 | High Distribution Chlorine | 4-5 | mg/L | Backwashed filter, drained some water from the clearwell. | Jan 18 2022 |
| June 15 2022 | Low pressure - watermain section was isolated for hydrant replacement | | | Disinfection increased, flushing, BWA | June 21 2022 |
| Oct 12 2022 | Loss of Data | | | | Oct 25 2022 |

For the operating year of 2022, the Red Rock Drinking-Water System was able to meet the demand of water use within the town without exceeding the Permit to Take Water or the Municipal Drinking Water Licence and Permit.

Ministry of the Environment
Conservation and Parks
Northern Region
Thunder Bay/Kenora District
435 James Street South
Suite 331
Thunder Bay ON P7E 6S7
Tel.: 807 475-1205

Ministère de l'Environnement, de la
Protection de la nature et des Parcs
435, rue James sud
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Télec. : 807 475-1754



March 22, 2023

The Corporation of the Township of Red Rock
30 Baker Road, PO Box 447
Red Rock ON
P0T 2P0

Attn: Blair Westerman, Public Works Supervisor
Patrick Albert, Operations Manager, OCWA

Re: Red Rock Drinking Water System Inspection – 2022/2023 Inspection Report

Dear Mr. Westerman,

Please find attached the 2022/2023 municipal water works inspection report. The inspection was conducted on February 8, 2023.

The enclosed report documents findings of the inspection that was performed for the Red Rock Drinking Water System.

The section of the report titled “Non-Compliance/Non-Conformance Items” cites due dates for the submission of information or plans to my attention. Please note that “Required Actions” are linked to incidents of non-compliance with regulatory requirements contained within an Act, a Regulation, or site-specific approvals, orders or instructions.

“Recommendations” convey information that the owner or operating authority should consider implementing to advance efforts already in place to address such issues as emergency preparedness and conformance with existing and emerging industry standards. Please note that items which appear as recommendations do not, in themselves, constitute violations.

Please note, the IRR will be sent separately and prior to any public release (typically within 1-2 month of the completion of the inspection).

The assistance afforded to me by water treatment plant operator was greatly appreciated. Should you have any questions regarding the content of the enclosed report, please do not hesitate to contact me.

Sincerely,

A handwritten signature in black ink that reads "Sam Shippam" followed by a horizontal line.

Sam Shippam
Water Inspector
Provincial Officer Badge No. 1083

cc: Thunder Bay District Health Unit - 999 Balmoral St, Thunder Bay, ON P7B 6E7
Attn: Abby Mackie, Public Health Inspector - abby.mackie@tbdhu.com

Ontario Clean Water Agency – 901 Main Street Geraldton ON, P0T 1M0
Attn: Patrick Albert, Operations Manager, Northwestern Ontario Region



RED ROCK DRINKING WATER SYSTEM
20 BAKER RD, RED ROCK, ON, P0T 2P0
Inspection Report

System Number: 220000193
Entity: THE CORPORATION OF THE
TOWNSHIP OF RED ROCK
Inspection Start Date: 02/08/2023
Inspection End Date: 03/01/2023
Inspected By: Sam Shippam
Badge #: 1083


(signature)

NON-COMPLIANCE/NON-CONFORMANCE ITEMS

The following item(s) have been identified as non-compliance/non-conformance, based on a "No" response captured for a legislative or best management practice (BMP) question (s), respectively.

Question Group: Other Inspection Findings

| | | | |
|---|----------------|----------------------|-----|
| Question ID | MRDW1116001 | Question Type | BMP |
| Question: Were the inspection questions sufficient to address other identified best practice issues? | | | |
| Legislative Requirement | Not Applicable | | |
| Observation/Corrective Action(s) | | | |
| <p>The following issues were also noted during the inspection: There were multiple entries in the logbooks where the operator makes note of conducting the 72 hour trending review. In the entry the operator refers to the previous 72 hour review. However that previous review is not recorded in the logbook. This occurred on April 11, 2022 (refers to a review being conducted on April 8th), April 26th, 2022 (refers to the a review being conducted on April 25th), and May 9th, 2022 (refers to review being conducted on April 6th).</p> <p>RECOMMENDED ACTIONS: It is recommended that the operator ensure that all 72 hour trending reviews are being recorded in the logbook..</p> | | | |

| | | | |
|---|-------------------------------|----------------------|-------------|
| Question ID | MRDW1084001 | Question Type | Legislative |
| Question: Are all inorganic water quality monitoring requirements prescribed by legislation conducted within the required frequency? | | | |
| Legislative Requirement | SDWA O. Reg. 170/03 13-2; | | |
| Observation/Corrective Action(s) | | | |
| <p>All inorganic water quality monitoring requirements prescribed by legislation were not conducted within the required frequency. Treated water samples must be tested at least once every 12 months (plus or minus 30 days from the first anniversary of the previous sampling date) for inorganic parameters listed in Schedule 24 to O. Reg. 170/03.</p> <p>The most recent samples were collected on December 15, 2022. Prior to that inorganic sampling was conducted on October 19, 2021. This time period it outside of prescribed frequency.</p> | | | |

Actions Required: The next set of samples must be collected by no later than December 15, 2023 (plus or minus 30 days)

| | | | |
|---|---|----------------------|-------------|
| Question ID | MRDW1085001 | Question Type | Legislative |
| Question: Are all organic water quality monitoring requirements prescribed by legislation conducted within the required frequency? | | | |
| Legislative Requirement | SDWA O. Reg. 170/03 13-4 (1); SDWA O. Reg. 170/03 13-4 (2); SDWA O. Reg. 170/03 13-4 (3); | | |
| Observation/Corrective Action(s) | | | |
| <p>All organic water quality monitoring requirements prescribed by legislation were not conducted within the required frequency. Treated water samples must be tested at least once every 12 months (plus or minus 30 days from the first anniversary of the previous sampling date) for organic parameters listed in Schedule 24 to O. Reg. 170/03.</p> <p>The most recent samples were collected on December 15, 2022. Prior to that organic sampling was conducted on October 19, 2021. This time period it outside of prescribed frequency.</p> <p>Actions Required: The next set of samples must be collected by no later than December 15, 2023 (plus or minus 30 days)</p> | | | |

INSPECTION DETAILS

This section includes all questions that were assessed during the inspection.

Ministry Program: DRINKING WATER | **Regulated Activity:**

| Question ID | MRDW1001001 | Question Type | Information |
|---|----------------|---------------|-------------|
| Question: | | | |
| What was the scope of this inspection? | | | |
| Legislative Requirement | Not Applicable | | |
| Observation | | | |
| <p>The primary focus of this inspection is to confirm compliance with Ministry of the Environment, Conservation and Parks (MECP) legislation as well as evaluating conformance with ministry drinking water policies and guidelines during the inspection period. The ministry utilizes a comprehensive, multi-barrier approach in the inspection of water systems that focuses on the source, treatment, and distribution components as well as management practices.</p> <p>This drinking water system is subject to the legislative requirements of the Safe Drinking Water Act, 2002 (SDWA) and regulations made therein, including Ontario Regulation 170/03, "Drinking Water Systems" (O. Reg. 170/03). This inspection has been conducted pursuant to Section 81 of the SDWA.</p> <p>This inspection report does not suggest that all applicable legislation and regulations were evaluated. It remains the responsibility of the owner to ensure compliance with all applicable legislative and regulatory requirements. On February 8, 2023, Water Inspector Sam Shippam commenced an unannounced inspection of the Red Rock Drinking Water System (DWS). At the time of the site inspection, the following individuals were also present: Nicholas Kyle (MECP), Jeremy Drindak (OCWA), Clark Rampersad (OCWA)</p> <p>In this inspection report, "inspection review period" refers to the period of time between January 18, 2022 and February 8, 2023. During the inspection review period, the Red Rock DWS operated under authority of the following control documents:</p> <ul style="list-style-type: none"> • Permit to Take Water (PTTW) Number 8361-AEWL5U (issued November 2, 2016), • Drinking Water Works Permit (DWWP) Number 297-201, Issue Number 2 (issued March 10, 2016), and • Municipal Drinking Water Licence (MDWL) Number 297-101, Issue Number 2 (issued March 11, 2016). <p>The drinking-water system inspection included a visual inspection of the source, treatment facility, distribution storage tank, document review and an operator interview. No audit samples were collected during the inspection.</p> | | | |

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|---|----------------|----------------------|-------------|
| Question ID | MRDW1000001 | Question Type | Information |
| Question: Does this drinking water system provide primary disinfection? | | | |
| Legislative Requirement | Not Applicable | | |
| Observation | | | |
| This Drinking Water System provides for both primary and secondary disinfection and distribution of water. The treatment system at the Red Rock DWS consists of chemically assisted direct filtration, UV and chlorine disinfection. In addition, pH adjustment is used to control corrosion and lead leaching in the distribution system. Secondary disinfection is provided utilizing the primary disinfection chlorine feed system. The primary disinfection free chlorine residual is continuously measured downstream of the clearwell, before treated water leaves the plant. | | | |

| | | | |
|--|------------------|----------------------|-------------|
| Question ID | MRDW1018001 | Question Type | Legislative |
| Question: Has the owner ensured that all equipment is installed in accordance with Schedule A and Schedule C of the Drinking Water Works Permit? | | | |
| Legislative Requirement | SDWA 31 (1); | | |
| Observation | | | |
| The owner had ensured that all equipment was installed in accordance with Schedule A and Schedule C of the Drinking Water Works Permit. | | | |

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|---|------------------|----------------------|-------------|
| Question ID | MRDW1021001 | Question Type | Legislative |
| Question: Is the owner/operating authority able to demonstrate that, when required during the inspection period, Form 2 documents were prepared in accordance with their Drinking Water Works Permit? | | | |
| Legislative Requirement | SDWA 31 (1); | | |
| Observation | | | |
| The owner/operating authority was in compliance with the requirement to prepare Form 2 documents as required by their Drinking Water Works Permit during the inspection period. On June 27, 2022 a Form 2 was prepared and submitted for the replacement of the PLC | | | |

unit at the facility.

| | | | |
|--|------------------|----------------------|-------------|
| Question ID | MRDW1025001 | Question Type | Legislative |
| Question: | | | |
| Were all parts of the drinking water system that came in contact with drinking water (added, modified, replaced or extended) disinfected in accordance with a procedure listed in Schedule B of the Drinking Water Works Permit? | | | |
| Legislative Requirement | SDWA 31 (1); | | |
| Observation | | | |
| All parts of the drinking water system were disinfected in accordance with a procedure listed in Schedule B of the Drinking Water Works Permit. | | | |

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|---|------------------------------------|----------------------|-------------|
| Question ID | MRDW1024001 | Question Type | Legislative |
| Question: | | | |
| Do records confirm that the water treatment equipment which provides chlorination or chloramination for secondary disinfection purposes was operated as required? | | | |
| Legislative Requirement | SDWA O. Reg. 170/03 1-2 (2); | | |
| Observation | | | |
| <p>Records confirmed that the water treatment equipment which provides chlorination or chloramination for secondary disinfection purposes was operated so that at all times and all locations in the distribution system the chlorine residual was never less than 0.05 mg/l free or 0.25 mg/l combined. The Red Rock DWS is classified as a large municipal drinking water system and the owner and the operating authority for the system must ensure that at least seven distribution samples are taken each week in accordance with subsection (4) and are tested immediately for free chlorine residual, in accordance with subsection 7-2(3) of O.Reg.170/03.</p> <p>Distribution chlorine residuals are measured by operation staff twice each week at the prescribed number of locations using a hand-held chlorine analyzer and recorded in distribution sample log. A review of the sampling data showed that the lowest secondary test result was collected on August 16, 2022 with a free chlorine concentration of 0.16 mg/L</p> <p>In addition, distribution chlorine residuals are measured continuously by an on-line analyzer located at the Red Rock elevated water tower and recorded at 2-minute frequency.</p> | | | |

| | | | |
|--|---------------------------------------|----------------------|-------------|
| Question ID | MRDW1038001 | Question Type | Legislative |
| Question: Is continuous monitoring equipment that is being utilized to fulfill O. Reg. 170/03 requirements performing tests for the parameters with at least the minimum frequency specified in the Table in Schedule 6 of O. Reg. 170/03 and recording data with the prescribed format? | | | |
| Legislative Requirement | SDWA O. Reg. 170/03 6-5 (1)1-4; | | |
| Observation Continuous monitoring equipment that was being utilized to fulfill O. Reg. 170/03 requirements was performing tests for the parameters with at least the minimum frequency specified in the Table in Schedule 6 of O. Reg. 170/03 and recording data with the prescribed format. | | | |

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|--|--|----------------------|-------------|
| Question ID | MRDW1035001 | Question Type | Legislative |
| Question: Are operators examining continuous monitoring test results and are they examining the results within 72 hours of the test? | | | |
| Legislative Requirement | SDWA O. Reg. 170/03 6-5 (1)1-4; SDWA O. Reg. 170/03 6-5 (1)5-10; | | |
| Observation Operators were examining continuous monitoring test results and they were examining the results within 72 hours of the test. | | | |

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|--|---|----------------------|-------------|
| Question ID | MRDW1037001 | Question Type | Legislative |
| Question: Are all continuous monitoring equipment utilized for sampling and testing required by O. Reg. 170/03, or MDWL or DWWP or order, equipped with alarms or shut-off mechanisms that satisfy the standards described in Schedule 6? | | | |
| Legislative Requirement | SDWA O. Reg. 170/03 6-5 (1)1-4; SDWA O. Reg. 170/03 6-5 (1)5-10; SDWA O. Reg. 170/03 6-5 (1.1); | | |
| Observation All continuous monitoring equipment utilized for sampling and testing required by O. Reg. 170/03, or Municipal Drinking Water Licence or Drinking Water Works Permit or order, were equipped with alarms or shut-off mechanisms that satisfy the standards described in Schedule 6. The primary chlorine low set point is typically set to 0.63 mg/L which alarms and calls out the operator. The maximum turbidity alarm at each of the four on-line filter | | | |

effluent turbidity analyzers is set at 0.75 NTU. Each filter is set up separately and will trigger and automatic alarm and shutdown. Secondary disinfection chlorine is monitored at the water tower with a minimum alarm set at 0.3 mg/L and is equipped with operator call out.

| | | | |
|---|--|----------------------|-------------|
| Question ID | MRDW1040000 | Question Type | Legislative |
| Question: Are all continuous analysers calibrated, maintained, and operated, in accordance with the manufacturer's instructions or the regulation? | | | |
| Legislative Requirement | SDWA O. Reg. 170/03 6-5 (1)1-4; SDWA O. Reg. 170/03 6-5 (1)5-10; | | |
| Observation All continuous analysers were calibrated, maintained, and operated, in accordance with the manufacturer's instructions or the regulation. | | | |

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|--|---|----------------------|-------------|
| Question ID | MRDW1108001 | Question Type | Legislative |
| Question: Where continuous monitoring equipment used for the monitoring of free chlorine residual, total chlorine residual, combined chlorine residual or turbidity, required by O. Reg. 170/03, an Order, MDWL, or DWWP issued under Part V, SDWA, has triggered an alarm or an automatic shut-off, did a qualified person respond in a timely manner and take appropriate actions? | | | |
| Legislative Requirement | SDWA O. Reg. 170/03 6-5 (1)1-4; SDWA O. Reg. 170/03 6-5 (1)5-10; SDWA O. Reg. 170/03 6-5 (1.1); | | |
| Observation Where required continuous monitoring equipment used for the monitoring of chlorine residual and/or turbidity triggered an alarm or an automatic shut-off, a qualified person responded in a timely manner and took appropriate actions. | | | |

| | | | |
|--|---|----------------------|-------------|
| Question ID | MRDW1033001 | Question Type | Legislative |
| Question: Is the secondary disinfectant residual measured as required for the large municipal residential distribution system? | | | |
| Legislative Requirement | SDWA O. Reg. 170/03 7-2 (3); SDWA O. Reg. 170/03 7-2 (4); | | |
| Observation | | | |

The secondary disinfectant residual was measured as required for the large municipal residential distribution system. Secondary disinfection is measured 4 times on Tuesdays and 3 times on Fridays.

| | | | |
|--|----------------|----------------------|-------------|
| Question ID | MRDW1099001 | Question Type | Information |
| Question: | | | |
| Do records show that all water sample results taken during the inspection review period did not exceed the values of tables 1, 2 and 3 of the Ontario Drinking Water Quality Standards (O. Reg. 169/03)? | | | |
| Legislative Requirement | Not Applicable | | |
| Observation | | | |
| Records showed that all water sample results taken during the inspection review period did not exceed the values of tables 1, 2 and 3 of the Ontario Drinking Water Quality Standards (O. Reg. 169/03). | | | |

| | | | |
|--|---|----------------------|-------------|
| Question ID | MRDW1081001 | Question Type | Legislative |
| Question: | | | |
| For LMR systems, are all microbiological water quality monitoring requirements for distribution samples being met? | | | |
| Legislative Requirement | SDWA O. Reg. 170/03 10-2 (1); SDWA O. Reg. 170/03 10-2 (2); SDWA O. Reg. 170/03 10-2 (3); | | |
| Observation | | | |
| All microbiological water quality monitoring requirements prescribed by legislation for distribution samples in a large municipal residential system were being met. The Red Rock Drinking Water System serves a population of approx. 800 residents. The system is classified as large municipal system. The owner and operating authority are to ensure that at least 8 distribution samples are collected each month, with a minimum, of 1 being collected in each week. The samples must be tested for Escherichia coli and total coliform bacteria with at least 25% of the required samples to be tested for general bacteria populations measured using heterotrophic plate counts. | | | |
| All samples were tested for total coliform bacteria including Escherichia coli, plus more than 25% of the samples were tested for heterotrophic plate count (HPC) bacteria. | | | |

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|--------------------|-------------|----------------------|-------------|
| Question ID | MRDW1096001 | Question Type | Legislative |
| Question: | | | |

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|---|------------------------------------|
| Do records confirm that chlorine residual tests are being conducted at the same time and at the same location that microbiological samples are obtained? | |
| Legislative Requirement | SDWA O. Reg. 170/03 6-3 (1); |
| Observation | |
| Records confirmed that chlorine residual tests were being conducted at the same time and at the same location that microbiological samples were obtained. | |

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|---|---|----------------------|-------------|
| Question ID | MRDW1086001 | Question Type | Legislative |
| Question: | | | |
| Are all haloacetic acid water quality monitoring requirements prescribed by legislation conducted within the required frequency and at the required location? | | | |
| Legislative Requirement | SDWA O. Reg. 170/03 13-6.1 (1); SDWA O. Reg. 170/03 13-6.1 (2); SDWA O. Reg. 170/03 13-6.1 (3); SDWA O. Reg. 170/03 13-6.1 (4); SDWA O. Reg. 170/03 13-6.1 (5); SDWA O. Reg. 170/03 13-6.1 (6); | | |
| Observation | | | |
| All haloacetic acid water quality monitoring requirements prescribed by legislation were conducted within the required frequency and at the required location. Haloacetic acid (HAA) sampling must be conducted every three months, in accordance with Section 13-6.1 of Schedule 13 to O. Reg. 170/03. | | | |
| For this inspection review period, results are as follows: February 9, 2022 - 54.9 µg/L May 10, 2022 - 60.5 µg/L August 3, 2022 - 50.1 µg/L November 8, 2022 - 83.2 µg/L January 31, 2023 - 39.0 µg/L | | | |
| The running annual average HAA concentration was 58.2 µg/L. The maximum allowable concentration is 80.0 µg/L, which came into effect on January 1, 2020. | | | |

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| Question ID | MRDW1087001 | Question Type | Legislative |
| Question: | | | |
| Have all trihalomethane water quality monitoring requirements prescribed by legislation been conducted within the required frequency and at the required location? | | | |
| Legislative Requirement | SDWA O. Reg. 170/03 13-6 (1); SDWA O. Reg. 170/03 13-6 (2); SDWA O. Reg. 170/03 13-6 (3); SDWA O. Reg. 170/03 13-6 (4); SDWA O. Reg. 170/03 13-6 (5); | | |

| | |
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| | SDWA O. Reg. 170/03 13-6 (6); |
| Observation | |
| <p>All trihalomethane water quality monitoring requirements prescribed by legislation were conducted within the required frequency and at the required location. Trihalomethanes (THM) are required to be collected from the distribution system and tested once every three months, in accordance with Section 13-6 of Schedule 13 to O. Reg. 170/03. The maximum acceptable concentration of THM is a running annual average of 100 µg/L.</p> <p>The THM sample results were as follows: February 9, 2022 - 41.5 µg/L May 10, 2022 - 58.7 µg/L August 3, 2022 - 66.8 µg/L November 8, 2022 - 61.1 µg/L January 31, 2023 - 33.5µg/L</p> <p>The running annual average THM concentration was 55.0 µg/L.</p> | |

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|---|------------------|----------------------|-------------|
| Question ID | MRDW1094001 | Question Type | Legislative |
| Question: | | | |
| Are all water quality monitoring requirements imposed by the MDWL and DWWP being met? | | | |
| Legislative Requirement | SDWA 31 (1); | | |
| Observation | | | |
| All water quality monitoring requirements imposed by the MDWL or DWWP issued under Part V of the SDWA were being met. | | | |

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|---|-----------------------------|----------------------|-------------|
| Question ID | MRDW1059000 | Question Type | Legislative |
| Question: | | | |
| Do the operations and maintenance manuals contain plans, drawings and process descriptions sufficient for the safe and efficient operation of the system? | | | |
| Legislative Requirement | SDWA O. Reg. 128/04 28; | | |
| Observation | | | |
| The operations and maintenance manuals contained plans, drawings and process descriptions sufficient for the safe and efficient operation of the system. | | | |

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|--|------------------|----------------------|-------------|
| Question ID | MRDW1060000 | Question Type | Legislative |
| Question: Do the operations and maintenance manuals meet the requirements of the DWWP and MDWL issued under Part V of the SDWA? | | | |
| Legislative Requirement | SDWA 31 (1); | | |
| Observation | | | |
| The operations and maintenance manuals met the requirements of the Drinking Water Works Permit and Municipal Drinking Water Licence issued under Part V of the SDWA. | | | |

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|--|---|----------------------|-------------|
| Question ID | MRDW1061001 | Question Type | Legislative |
| Question: Are logbooks properly maintained and contain the required information? | | | |
| Legislative Requirement | SDWA O. Reg. 128/04 27 (1); SDWA O. Reg. 128/04 27 (2); SDWA O. Reg. 128/04 27 (3); SDWA O. Reg. 128/04 27 (4); SDWA O. Reg. 128/04 27 (5); SDWA O. Reg. 128/04 27 (6); SDWA O. Reg. 128/04 27 (7); | | |
| Observation | | | |
| Logbooks were properly maintained and contained the required information. | | | |

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|---|------------------------------|----------------------|-------------|
| Question ID | MRDW1062001 | Question Type | Legislative |
| Question: Do records or other record keeping mechanisms confirm that operational testing not performed by continuous monitoring equipment is being done by a certified operator, water quality analyst, or person who meets the requirements of O. Reg. 170/03 7-5? | | | |
| Legislative Requirement | SDWA O. Reg. 170/03 7-5; | | |
| Observation | | | |
| Records or other record keeping mechanisms confirmed that operational testing not performed by continuous monitoring equipment was being done by a certified operator, water quality analyst, or person who suffices the requirements of O. Reg. 170/03 7-5. | | | |

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|--|-------------|----------------------|-----|
| Question ID | MRDW1071000 | Question Type | BMP |
| Question: Has the owner provided security measures to protect components of the drinking water system? | | | |

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|---|----------------|
| Legislative Requirement | Not Applicable |
| Observation | |
| <p>The owner had provided security measures to protect components of the drinking water system. All entry doors are locked. 'Chlorine Danger' signs are posted on the entry doors to the water treatment plant.</p> <p>The property surrounding the Red Rock elevated storage tank is not fenced. The elevated tank entry door is locked.</p> | |

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|--|-----------------------------------|----------------------|-------------|
| Question ID | MRDW1073001 | Question Type | Legislative |
| Question: | | | |
| Has the overall responsible operator been designated for all subsystems which comprise the drinking water system? | | | |
| Legislative Requirement | SDWA O. Reg. 128/04 23 (1); | | |
| Observation | | | |
| <p>The overall responsible operator had been designated for each subsystem.</p> <p>Dave Houston is the designated Overall Responsible Operator. Patrick Albert is the back-up ORO.</p> | | | |

| | | | |
|---|-----------------------------------|----------------------|-------------|
| Question ID | MRDW1074001 | Question Type | Legislative |
| Question: | | | |
| Have operators-in-charge been designated for all subsystems for which comprise the drinking water system? | | | |
| Legislative Requirement | SDWA O. Reg. 128/04 25 (1); | | |
| Observation | | | |
| Operators-in-charge had been designated for all subsystems which comprise the drinking water system. | | | |

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|--|-----------------------------|----------------------|-------------|
| Question ID | MRDW1075001 | Question Type | Legislative |
| Question: | | | |
| Do all operators possess the required certification? | | | |
| Legislative Requirement | SDWA O. Reg. 128/04 22; | | |
| Observation | | | |
| All operators possessed the required certification. | | | |

All water treatment duties are performed by OCWA licenced personnel. Water distribution maintenance and repairs are performed by municipal staff and overseen by licensed OCWA personnel. OCWA also provided ORO oversight for the distribution sub-system.

| | | | |
|--|------------------------------------|----------------------|-------------|
| Question ID | MRDW1076001 | Question Type | Legislative |
| Question: Do only certified operators make adjustments to the treatment equipment? | | | |
| Legislative Requirement | SDWA O. Reg. 170/03 1-2 (2); | | |
| Observation | | | |
| Only certified operators made adjustments to the treatment equipment. | | | |

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|---|----------------|----------------------|-----|
| Question ID | MRDW1116001 | Question Type | BMP |
| Question: Were the inspection questions sufficient to address other identified best practice issues? | | | |
| Legislative Requirement | Not Applicable | | |
| Observation | | | |
| The following issues were also noted during the inspection: There were multiple entries in the logbooks where the operator makes note of conducting the 72 hour trending review. In the entry the operator refers to the previous 72 hour review. However that previous review is not recorded in the logbook. This occurred on April 11, 2022 (refers to a review being conducted on April 8th), April 26th, 2022 (refers to the a review being conducted on April 25th), and May 9th, 2022 (refers to review being conducted on April 6th). | | | |
| RECOMMENDED ACTIONS: It is recommended that the operator ensure that all 72 hour trending reviews are being recorded in the logbook.. | | | |

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|---|------------------|----------------------|-------------|
| Question ID | MRDW1012001 | Question Type | Legislative |
| Question: Does the owner have a harmful algal bloom monitoring plan in place that meets the requirements of the MDWL? | | | |
| Legislative Requirement | SDWA 31 (1); | | |
| Observation | | | |
| The owner had a harmful algal bloom monitoring plan in place. | | | |

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|---|------------------|----------------------|-------------|
| Question ID | MRDW1014001 | Question Type | Legislative |
| Question: Is there sufficient monitoring of flow as required by the MDWL or DWWP issued under Part V of the SDWA? | | | |
| Legislative Requirement | SDWA 31 (1); | | |
| Observation | | | |
| There was sufficient monitoring of flow as required by the Municipal Drinking Water Licence or Drinking Water Works Permit issued under Part V of the SDWA. Magnetic flow meters are installed at the common raw water and treated water discharge lines. | | | |

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|---|------------------|----------------------|-------------|
| Question ID | MRDW1016001 | Question Type | Legislative |
| Question: Is the owner in compliance with the conditions associated with maximum flow rate or the rated capacity conditions in the MDWL issued under Part V of the SDWA? | | | |
| Legislative Requirement | SDWA 31 (1); | | |
| Observation | | | |
| The owner was in compliance with the conditions associated with maximum flow rate or the rated capacity conditions in the Municipal Drinking Water Licence issued under Part V of the SDWA. Part 1.0 of Schedule C of the Municipal Drinking Water Licence limits the maximum daily volume of treated water that flows from the treatment system to the distribution system to 2,722 m ³ /Day. A review of the treated water flow data showed that the maximum capacity was not exceeded during the inspection review period. | | | |

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|---|------------------------------------|----------------------|-------------|
| Question ID | MRDW1023001 | Question Type | Legislative |
| Question: Do records indicate that the treatment equipment was operated in a manner that achieved the design capabilities required under Ontario Regulation 170/03 or a DWWP and/or MDWL issued under Part V of the SDWA at all times that water was being supplied to consumers? | | | |
| Legislative Requirement | SDWA O. Reg. 170/03 1-2 (2); | | |
| Observation | | | |
| Records indicated that the treatment equipment was operated in a manner that achieved | | | |

the design capabilities required under O. Reg. 170/03 or a Drinking Water Works Permit and/or Municipal Drinking Water Licence issued under Part V of the SDWA at all times that water was being supplied to consumers. The Red Rock DWS obtains water from a surface water source, Lake Superior. The treatment system must be capable of achieving an overall performance that provides, at a minimum, a 4-log removal or inactivation of viruses, 3-log removal or inactivation of Giardia cysts and a 2-log removal or inactivation of Cryptosporidium oocysts.

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|--|------------------------------------|----------------------|-------------|
| Question ID | MRDW1026001 | Question Type | Legislative |
| Question: | | | |
| If primary disinfection equipment that does not use chlorination or chloramination is provided, is the equipment equipped with alarms or shut-off mechanisms that satisfy the standards described in Section 1-6 (1) of Schedule 1 of Ontario Regulation 170/03? | | | |
| Legislative Requirement | SDWA O. Reg. 170/03 1-6 (1); | | |
| Observation | | | |
| The primary disinfection equipment was equipped with alarms or shut-off mechanisms that satisfied the standards described in Section 1-6 (1) of Schedule 1 of O. Reg. 170/03. The UV treatment units are set to shut down if UVT drops below 40% | | | |

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| Question ID | MRDW1030000 | Question Type | Legislative |
| Question: | | | |
| Is primary disinfection chlorine monitoring being conducted at a location approved by MDWL and/or DWWP issued under Part V of the SDWA, or at/near a location where the intended CT has just been achieved? | | | |
| Legislative Requirement | SDWA O. Reg. 170/03 7-2 (1); SDWA O. Reg. 170/03 7-2 (2); | | |
| Observation | | | |
| Primary disinfection chlorine monitoring was conducted at a location approved by Municipal Drinking Water Licence and/or Drinking Water Works Permit issued under Part V of the SDWA, or at/near a location where the intended CT has just been achieved. The primary disinfection free chlorine residual is measured at the discharge from chlorine contact clearwell. | | | |

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| Question ID | MRDW1032001 | Question Type | Legislative |
| Question: | | | |
| If the drinking water system obtains water from a surface water source and provides | | | |

filtration, is continuous monitoring of each filter effluent line being performed for turbidity?

Legislative Requirement SDWA | O. Reg. 170/03 | 7-3 | (2);

Observation

Continuous monitoring of each filter effluent line was being performed for turbidity. Filter effluent turbidity is measured at each of four (4) filter effluent lines using an on-line filter turbidity analyzer. Filter effluent turbidities are recorded at 2-minute frequency.

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|--------------------|-------------|----------------------|-------------|
| Question ID | MRDW1039000 | Question Type | Legislative |
|--------------------|-------------|----------------------|-------------|

Question:
If primary disinfection equipment that does not use chlorination or chloramination is provided, has the owner and operating authority ensured that the equipment has a recording device that continuously records the performance of the disinfection equipment?

Legislative Requirement SDWA | O. Reg. 170/03 | 1-6 | (3);

Observation

The owner and operating authority ensured that the primary disinfection equipment had a recording device that continuously recorded the performance of the disinfection equipment. UV dose must be continuously monitored in accordance with Section 1.6 of Schedule C to Municipal Drinking Water Licence 297-101.

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|--------------------|-------------|----------------------|-------------|
| Question ID | MRDW1109001 | Question Type | Legislative |
|--------------------|-------------|----------------------|-------------|

Question:
If the system uses equipment for primary disinfection other than chlorination or chloramination and the equipment has malfunctioned, lost power or ceased to provide the appropriate level of disinfection, causing an alarm or an automatic shut-off, did a qualified person respond in a timely manner and take appropriate actions?

Legislative Requirement SDWA | O. Reg. 170/03 | 1-6 | (1);

Observation

When failure(s) of primary disinfection equipment, other than that used for chlorination or chloramination, caused an alarm to sound or an automatic shut-off to occur, a certified operator responded in a timely manner and took appropriate actions.

| | | | |
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| Question ID | MRDW1042001 | Question Type | Legislative |
|--------------------|-------------|----------------------|-------------|

Question:
If UV disinfection is used were duty sensors and reference UV sensors checked and

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| calibrated as per the requirements of Schedule E of the MDWL or at a frequency as otherwise recommended by the UV equipment manufacturer? | |
| Legislative Requirement | SDWA 31 (1); |
| Observation | |
| All UV sensors were checked and calibrated as required. Records indicated that monthly reference checks were conducted in accordance with Schedule E of the Municipal Drinking Water Licence. | |

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|---|-------------------------------|----------------------|-------------|
| Question ID | MRDW1083001 | Question Type | Legislative |
| Question: | | | |
| For LMR systems, are all microbiological water quality monitoring requirements for treated samples being met? | | | |
| Legislative Requirement | SDWA O. Reg. 170/03 10-3; | | |
| Observation | | | |
| All microbiological water quality monitoring requirements prescribed by legislation for treated samples were being met. The owner and operating authority for the system must collect one treated water sample at least once each week for bacteriological analysis. It was confirmed that during the inspection period the treated water samples were collected from a designated treated water tap at the plant on a weekly basis and tested for total coliforms, E. coli and heterotrophic plate count bacteria. | | | |

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|---|-------------------------------|----------------------|-------------|
| Question ID | MRDW1084001 | Question Type | Legislative |
| Question: | | | |
| Are all inorganic water quality monitoring requirements prescribed by legislation conducted within the required frequency? | | | |
| Legislative Requirement | SDWA O. Reg. 170/03 13-2; | | |
| Observation | | | |
| All inorganic water quality monitoring requirements prescribed by legislation were not conducted within the required frequency. Treated water samples must be tested at least once every 12 months (plus or minus 30 days from the first anniversary of the previous sampling date) for inorganic parameters listed in Schedule 24 to O. Reg. 170/03. The most recent samples were collected on December 15, 2022. Prior to that inorganic | | | |

sampling was conducted on October 19, 2021. This time period is outside of prescribed frequency.

Actions Required: The next set of samples must be collected by no later than December 15, 2023 (plus or minus 30 days)

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| Question ID | MRDW1088000 | Question Type | Legislative |
| Question: Are all nitrate/nitrite water quality monitoring requirements prescribed by legislation conducted within the required frequency for the DWS? | | | |
| Legislative Requirement | SDWA O. Reg. 170/03 13-7; | | |
| Observation | | | |
| <p>All nitrate/nitrite water quality monitoring requirements prescribed by legislation were conducted within the required frequency for the DWS. Treated water samples must be collected at least once every three months for analysis of nitrate and nitrite in accordance with Section 13-7 of Schedule 13 to O. Reg. 170/03.</p> <p>Subsection 6-1.1(4) of O. Reg 170/03 states that when samples are required to be taken at least once every three months, the owner and operating authority for the system shall ensure that the samples are taken at least 60 days and not more than 120 days after a sample was taken for that purpose in the previous three-month period.</p> <p>Samples for this inspection review period were collected on February 9, 2022, May 10, 2022, August 3, 2022, November 8, 2022, and January 31, 2023</p> <p>Sample results were all below the maximum acceptable. The sampling frequency and results satisfy the regulatory requirements.</p> | | | |

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| Question ID | MRDW1089000 | Question Type | Legislative |
| Question: Are all sodium water quality monitoring requirements prescribed by legislation conducted within the required frequency? | | | |
| Legislative Requirement | SDWA O. Reg. 170/03 13-8; | | |
| Observation | | | |
| <p>All sodium water quality monitoring requirements prescribed by legislation were conducted within the required frequency. Sodium must be tested at least once every 60 months from the point of entry to the distribution system as per the requirements of Section 13-8 of Schedule 13 to O. Reg. 170/03. A treated sample was collected on October 21, 2021.</p> | | | |

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| Question ID | MRDW1090000 | Question Type | Legislative |
| Question: | | | |
| Where fluoridation is not practiced, are all fluoride water quality monitoring requirements prescribed by legislation conducted within the required frequency? | | | |
| Legislative Requirement | SDWA O. Reg. 170/03 13-9; | | |
| Observation | | | |
| All fluoride water quality monitoring requirements prescribed by legislation were conducted within the required frequency. Fluoride must be tested at least once every 60 months from the point of entry to the distribution system as per the requirements of Section 13-9 of Schedule 13 13-9 to O.Reg. 170/03. | | | |
| Based on information reviewed during the inspection, sampling and testing is being conducted on an annual basis. Treated water fluoride was sampled and tested on October 26, 2021. The next sampling event is scheduled for October 26, 2026 | | | |

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|---|---|----------------------|-------------|
| Question ID | MRDW1085001 | Question Type | Legislative |
| Question: | | | |
| Are all organic water quality monitoring requirements prescribed by legislation conducted within the required frequency? | | | |
| Legislative Requirement | SDWA O. Reg. 170/03 13-4 (1); SDWA O. Reg. 170/03 13-4 (2); SDWA O. Reg. 170/03 13-4 (3); | | |
| Observation | | | |
| All organic water quality monitoring requirements prescribed by legislation were not conducted within the required frequency. Treated water samples must be tested at least once every 12 months (plus or minus 30 days from the first anniversary of the previous sampling date) for organic parameters listed in Schedule 24 to O. Reg. 170/03. | | | |
| The most recent samples were collected on December 15, 2022. Prior to that organic sampling was conducted on October 19, 2021. This time period it outside of prescribed frequency. | | | |
| Actions Required: The next set of samples must be collected by no later than December 15, 2023 (plus or minus 30 days) | | | |

2022 Annual Report

Red Rock Wastewater Treatment Plant

Prepared by the Ontario Clean Water Agency



Ontario Clean Water Agency
Agence Ontarienne Des Eaux



Ontario Clean Water Agency
Agence Ontarienne Des Eaux

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Geraldton, Ontario.
POT 1M0
Fax: 807-854-0483

March 31, 2023

Ministry of the Environment
3rd Flr. Suite 331B, 435 James St.
Thunder Bay, ON
P7E 6S7

Attention: Mr. Glen Niznowski,
District Manager

Dear Mr. Niznowski:

Re: 2022 Performance Report for Red Rock Wastewater Treatment Facility

Attached is the 2022 Performance Report for the **Red Rock Wastewater Treatment Facility** located at Lot 3, 4, Concession 2 in The Corporation of the Township of Red Rock. This report has been completed in accordance with Condition No. 11 (4) cited in *Environmental Compliance Approval 4605-AKRQDU* dated April 17 2017 and issued to the Township of Red Rock

This report was prepared by the Ontario Clean Water Agency on behalf of the Township of Red Rock based on information kept on record by OCWA at the Red Rock WWTP, and the report covers the period from January 1 2022 to December 31 2022.

Should you have any questions or comments in regards to this annual report, please do not hesitate to contact Dave Hoffman at 807-854-7142.

Yours truly,

Patrick Albert

Patrick Albert
Operations Manager
Ontario Clean Water Agency
Northwestern Ontario Hub

Copy to: Mark Figliomeni – CAO/Clerk
Blair Westerman – Public Works Superintendent
Operations Staff – Red Rock WTP

**The Corporation of the Township of Red Rock
Sewage Treatment Plant
2022 Annual Report**

INTRODUCTION

In accordance with the *Certificate of Approval Number 4605-AKRQDU* dated April 24 2017, section 11(4) the Corporation of the Township of Red Rock – Red Rock Sewage Treatment Plant is required to prepare an annual summary. The 2022 annual facility performance report summarizes important information regarding the treatment quality of the effluent wastewater, analytical test results, relevant activities and maintenance operations of the Works. Some of this information was submitted via the quarterly upload of information, but is being presented again as part of the new Annual Report based on the calendar year. The facility was commissioned in late August of 2021.

DESCRIPTION OF WORKS

| | |
|-------------------------|--------------------------------|
| Rated Capacity of Works | 900 m ³ /day |
| Service Area | Township of Red Rock |
| Service Population | 800 |
| Effluent Receiver | Nipigon Bay Lake Superior |
| Major Process | Rotating Biological Contactors |

EFFLUENT MONITORING AND RECORDING

Analytical tests to monitor the influent and effluent water quality on a weekly basis are conducted by a laboratory audited by the Canadian Association for Environmental Analytical Laboratories (CAEAL) and accredited by the Standards Council of Canada (SCC). Accreditation ensures that the laboratory has acceptable laboratory protocols and test methods in place. It also requires the laboratory to provide evidence and assurances of the proficiency of the analysts performing the test methods. Weekly analysis is performed in-house in order to maintain the process. When these samples are split with the accredited laboratories, it confirms the procedure accuracy of the in-house testing.

SAMPLING REQUIREMENTS

Samples of raw sewage and final effluent from the WWTP shall be collected and analyzed for the following parameters at the indicated frequencies.

Raw Sewage Monitoring – Samples to be collected at the influent chamber

| Parameters | Sample Type | Frequency |
|-------------------------------|-------------|-----------|
| <i>BOD₅</i> | Composite* | monthly |
| Total Suspended Solids | Composite* | monthly |
| Total Phosphorus | Composite* | monthly |
| Total Kjeldahl Nitrogen (TKN) | Composite* | monthly |

* Composite of three grab samples, taken at time intervals of at least six hours over a 24-hour sampling period.

Final Effluent Monitoring - Samples to be collected at the Effluent Sewer Outfall

| Parameters | Sample Type | Frequency |
|----------------------------------|-------------|-----------|
| <i>CBOD₅</i> | Composite | Weekly |
| Total Suspended Solids | Composite | Weekly |
| Total Phosphorus | Composite | Weekly |
| Ammonia – Nitrogen(total) | Composite | Weekly |
| <i>E. Coli</i> | Grab | Weekly |
| Dissolved Oxygen | Grab | Weekly |
| pH | Grab | Weekly |
| Temperature | Grab | Weekly |
| Acute Lethality to Rainbow Trout | Grab | Quarterly |

Composite sample collected from composite sampler.

PLANT PERFORMANCE

Effluent Limits as per C of A, condition 7

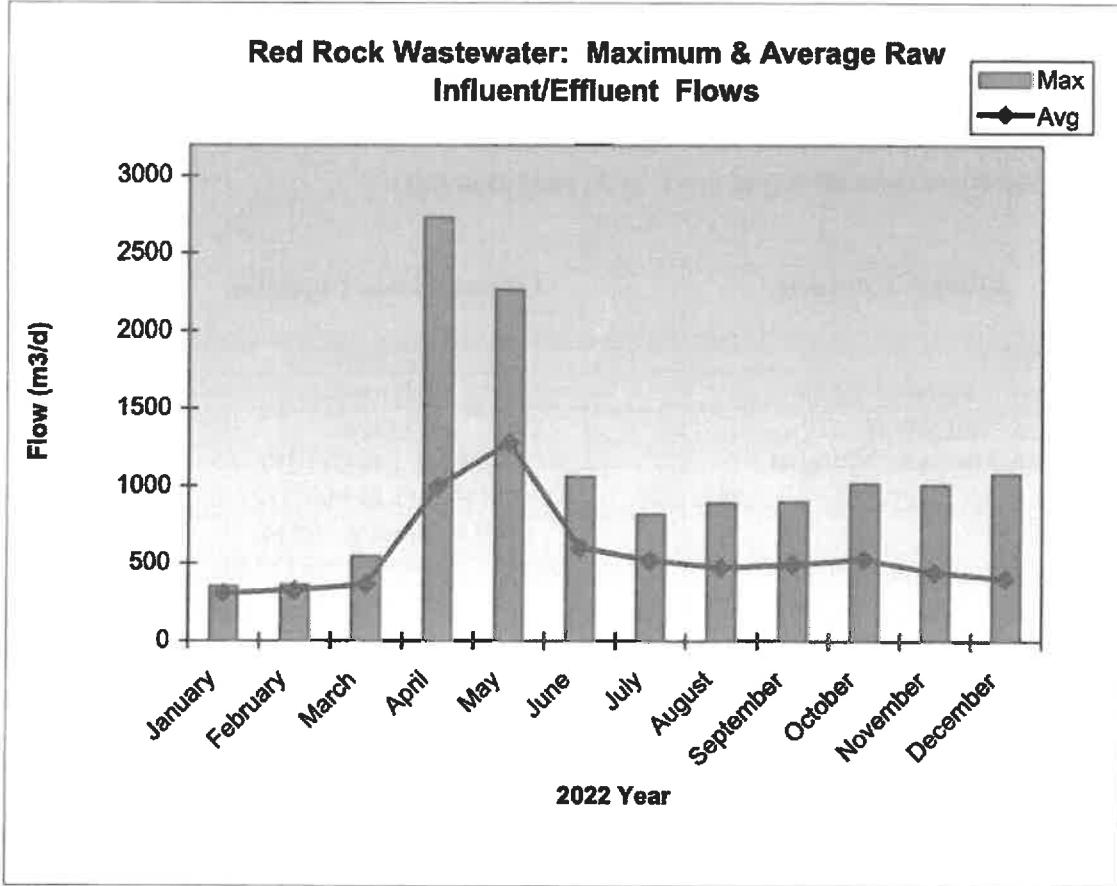
| Effluent Parameter | Monthly Average Concentration Limit |
|---------------------------------|--|
| <i>CBOD₅</i> | 25.0 mg/L |
| Total Suspended Solids | 25.0 mg/L |
| Total Phosphorus | 1.0 mg/L |
| Total Ammonia Nitrogen | 5.0 (Apr 1 to Oct 31) 15.0 (Nov 1 to Mar 31) |
| Acute Lethality - rainbow trout | Non-acutely lethal |
| pH | Between 6.0 – 9.5 at all times |
| <i>E. Coli</i> | 200 organisms/100 ml (monthly <i>Geometric Mean Density</i>) |

Effluent Objectives (best effort) as per C of A, condition 6 (1)

| Effluent Parameter | Concentration Objective |
|---------------------------|--|
| <i>CBOD₅</i> | 15.0 mg/L |
| Total Suspended Solids | 15.0 mg/L |
| Total Phosphorus | 0.5 mg/L |
| Total Ammonia Nitrogen | 3.0 (Apr 1 to Oct 31) 5.0 (Nov 1 to Mar 31) |
| <i>E. Coli</i> | 150 organisms/100 ml (monthly <i>Geometric Mean Density</i>) |
| pH | 6.5- 8.5 |

EFFLUENT FLOWS

In order to review, at a glance, the performance of the WWTP, a graph has been prepared showing the average and maximum monthly effluent flows for the year; January to December 2022. The total effluent flows for the year are 206,114 m³.



EFFLUENT SAMPLING

In the reporting period in 2022, *CBOD*₅ was analyzed and the average was 3.28 mg/L and a maximum monthly value of 7.42 mg/L; this is well within the effluent limits imposed by the *Certificate of Approval* condition 6.1 of 25.0 mg/L. This also was within the objective limits of 15 mg/l.

The annual average suspended solids concentrations for the effluent in the reporting period during 2022 was 7.19 mg/L and a maximum monthly value of 25.83. This parameter was not within the annual compliance level of 25.0 mg/L. This parameter has an objective value of 15 mg/l. The objective limit was not achieved in 2022. The maximum value was during the month of February. The effluent was within the objective limit of 15 mg/l for the remained of the year.

The annual average Total Phosphorus concentrations for the effluent in the reporting period during 2022 was 0.76 mg/L and a maximum monthly value of 2.97. This parameter was not within the monthly compliance level of 1.0 mg/L. The phosphorus limit was exceed in January, February and March of 2022. This parameter has an objective value of 0.5 mg/l. The objective limit was not achieved in 2022.

The monthly average Total Ammonia Nitrogen concentrations for the effluent in the reporting period during 2022 was 0.18 mg/L and a maximum monthly value of 0.43. This parameter was within the seasonal compliance level from April 1 – October 31 of 5.0 mg/L and November 1 – March 31 of 15.0 mg/l. This parameter has an objective value of 3.0 mg/l from April 1 – October 31 and of 5.0 mg/l November 1 – March 31 of 15.0 mg/l. The objective limit was also achieved in 2022.

The plant compliance criteria states; the pH of the effluent shall be maintained between 6.0 and 9.5, inclusive, at all times. The average pH during this period was 7.60 with a high of 8.1 and a low of 7.6. The effluent was within the compliance limits the limits and within the objective levels of 6.5 to 8.5.

The ECA effluent monitoring requires the DO be measured weekly from a grab sample. The average DO during this period was 8.59 with a high of 10.94 and a low of 5.79. The ECA does not have a specified level for DO.

The effluent parameter includes a requirement to maintain the monthly geometric mean density of e-coli less than of 200 organisms per 100 ml. In reporting period during 2022, the maximum monthly geometric mean density for e-coli was 27.663 organisms per 100 ml. This met the compliance values and also the objective value of 150 organisms per 100 ml monthly geometric mean.

The acute lethality of rainbow trout was tested in quarterly and was found to be not toxic.

MAINTENANCE

OCWA maintains a Work Management System (WMS), which is a comprehensive computer based maintenance program that is based on a proactive preventive approach. This includes running checks, weekly, monthly and annual maintenance, as required. A full report on all maintenance carried out in 2022 is available upon request.

There were no modifications made to the Red Rock Sewage Plant as per Schedule B of the ECA. The operation of the new facility is progressing and some minor changes may be required to optimize the performance of the treatment process.

OPERATIONAL ISSUES

The operation of the plant continues to be optimized. There were several deficiencies that are being communicated by the township to the plant construction companies for correction.

The wet wells have gone to back-up mode several times through the year. The operators have to reset to correct the issue and continue operation. The sodium hydroxide pump would not reset at points during the year. These issues were included in the plant deficiencies.

The alum line froze in March. A temporary system was put in place to allow for continued operation. A corrective action for this is underway to have operational before the coldest part of the winter.

The plant could not meet the phosphorus requirements early in 2022. The effluent exceeded in January, February and March. Optimization of the process resulted in the effluent meeting the parameter limits for the remainder of the year. The total suspended solids was exceeded in the month of February. Only one of the weekly samples was above the limit but was high enough to result in the monthly limit exceedance. The cause of the high sample is unknown. The remainder of the monthly results met the requirements in 2022. All of these incidents were reported to the MECP with the reports attached.

In April 2022 two system bypasses were reported. On April 6 and 7 the spring melt had started and the lift pumps failed resulting in a bypass of the process. One of the four pumps was out for repair and two other pumps were tripped. The remaining pump could not keep up with the flow. On April 24 the flows were again high and two pumps could not keep up resulting in a bypass of the process. The operators manually pumped the well down and returned the operation to manual. The reports are attached.

CALIBRATIONS

The owner shall maintain a continuous flow-measuring device to measure the flow rate within an accuracy of +/- 5% of actual rate of flow within the range of 10% to 100% of the full-scale reading of the measuring devices.

The plant was commissioned in late August 2022. The calibration of the flow devices was not conducted in 2022. The company commissioning the plant was still working on the outfall flow meter when the annual calibrations were performed. The calibrations will be completed in 2023

SLUDGE SUMMARY

The facility was newly commissioned late in August 2021. Sludge was removed from the facility in March, June and September. A summary of all sludge hauled for Red Rock Sewage Treatment Plant is outlined in the following table.

Sludge Volume Hauled in 2022

| Month | Total Volume(m3) |
|--------------|--------------------------|
| January | 0 |
| February | 0 |
| March | 49.14 |
| April | 0 |
| May | 0 |
| June | 163.8 |

| | |
|---------------|---------------|
| July | 0 |
| August | 0 |
| September | 49.14 |
| October | 0 |
| November | 0 |
| December | 0 |
| Total: | 262.08 |

There is no expected change in the sludge handling methods or disposal areas for the WWTP in the coming year.

COMPLAINTS/ENVIRONMENTAL INCIDENT

There were no complaints reported in 2022.

There were environmental incidents reported in 2022. The effluent exceedances for phosphorous and total suspended solids in the first months of the year were reported to the MECP.

BY-PASS REPORTS

There were two bypasses from the sewage system in 2022. Both were the results of high spring flows combined with the pump failures addressed earlier in the report. The first was on April 6 2022 and resulted in a bypass of 1420 m3 of raw sewage. The second was April 24 2022 and resulted in 3200 m3 of raw sewage bypassing the treatment system. Both incidents were reported to the MECP.

**Performance Assessment Report
1st September – December 31st 2021**



Performance Assessment Report

1525 RED ROCK WASTEWATER TREATMENT SYSTEM 120001817

From 1/1/2022 to 12/31/2022

| | 1 / 2022 | 2 / 2022 | 3 / 2022 | 4 / 2022 | 5 / 2022 | 6 / 2022 | 7 / 2022 | 8 / 2022 | 9 / 2022 | 10 / 2022 | 11 / 2022 | 12 / 2022 | Total | Avg | Max | Criteria |
|--|----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|------------|-------|--------|----------|
| Flows | | | | | | | | | | | | | | | | |
| Eff. Flow Total - Eff m ³ /d | 9,201.00 | 11,540.00 | 11,540.00 | 20,895.00 | 30,703.00 | 18,189.00 | 15,235.00 | 14,741.00 | 14,905.00 | 18,387.00 | 13,348.00 | 12,500.00 | 208,114.00 | | | 0.00 |
| Eff. Flow Avg - Eff m ³ /d | 326.61 | 398.61 | 398.61 | 996.87 | 1,280.74 | 656.30 | 523.59 | 475.52 | 498.33 | 628.94 | 444.87 | 405.16 | 664.70 | | | 0.00 |
| Eff. Flow Max - Eff m ³ /d | 352.00 | 362.00 | 343.00 | 2,731.00 | 2,289.00 | 1,083.00 | 820.00 | 862.00 | 922.00 | 1,018.00 | 1,009.00 | 1,060.00 | 1,060.00 | | | 2,731.00 |
| Eff Flow Count - Eff m ³ /d | 31.00 | 28.00 | 31.00 | 30.00 | 31.00 | 30.00 | 31.00 | 31.00 | 30.00 | 31.00 | 30.00 | 31.00 | 385.00 | | | 0.00 |
| Carboaceous Biochemical Oxygen Demand: CBOD | | | | | | | | | | | | | | | | |
| Eff. Avg eBOD5 - Eff mg/L | 4.20 | 6.43 | 7.42 | 4.20 | 2.38 | 2.05 | 2.10 | 2.32 | 2.60 | 2.90 | 2.16 | 1.53 | | 3.28 | 7.42 | 25.00 |
| Eff. # of samples of eBOD5 - Eff | 4.00 | 4.00 | 5.00 | 4.00 | 5.00 | 4.00 | 4.00 | 5.00 | 3.00 | 4.00 | 5.00 | 4.00 | 51.00 | | | 0.00 |
| Loadings: CBOD5 - Eff kg/d | 1.300 | 2.111 | 2.714 | 4.187 | 3.048 | 1.243 | 1.099 | 1.103 | 0.964 | 1.058 | 0.961 | 0.615 | | 1.70 | 4.19 | 0.000 |
| Biochemical Oxygen Demand: BOD5 | | | | | | | | | | | | | | | | |
| Raw Avg BOD5 - Raw mg/L | 0.00 | 105.00 | 95.00 | 71.20 | 22.10 | 68.00 | 36.80 | 95.00 | 113.00 | 65.00 | 42.40 | 53.00 | | 78.23 | 113.00 | 0.00 |
| Raw # of samples of BOD5 - Raw | 0.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 11.00 | | | 0.00 |
| Percent Removal: BOD5 - Raw % | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | 0.00 |
| Total Suspended Solids: TSS | | | | | | | | | | | | | | | | |
| Raw Avg TSS - Raw mg/L | 98.70 | 112.00 | 112.00 | 63.00 | 48.70 | 108.00 | 35.00 | 98.20 | 224.00 | 87.70 | 50.40 | 120.00 | | 86.97 | 224.00 | 0.00 |
| Raw # of samples of TSS - Raw | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 11.00 | | | 0.00 |
| Eff. Avg TSS - Eff mg/L | 4.06 | 25.63 | 9.50 | 5.93 | 4.55 | 3.28 | 3.90 | 4.12 | 3.47 | 3.00 | 0.48 | 13.20 | | 7.18 | 25.63 | 0.00 |
| Eff. # of samples of TSS - Eff | 4.00 | 4.00 | 3.00 | 4.00 | 5.00 | 4.00 | 4.00 | 5.00 | 3.00 | 4.00 | 5.00 | 4.00 | 51.00 | | | 0.00 |
| Loadings: TSS - Eff kg/d | 1.254 | 8.486 | 3.475 | 5.508 | 6.896 | 1.996 | 1.870 | 1.895 | 1.722 | 1.587 | 2.893 | 5.345 | | 3.50 | 8.49 | 0.000 |
| Percent Removal: TSS - Raw % | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | 0.00 |
| Total Phosphorus: TP | | | | | | | | | | | | | | | | |
| Raw Avg TP - Raw mg/L | 3.89 | 4.65 | 4.65 | 2.25 | 0.69 | 2.43 | 2.75 | 3.17 | 3.29 | 3.15 | 2.43 | 0.00 | | 2.54 | 4.65 | 0.00 |
| Raw # of samples of TP - Raw | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 11.00 | | | 0.00 |
| Eff. Avg TP - Eff mg/L | 1.65 | 2.87 | 1.94 | 0.78 | 0.26 | 0.16 | 0.22 | 0.28 | 0.21 | 0.26 | 0.25 | 0.12 | | 0.76 | 2.97 | 0.00 |
| Eff. # of samples of TP - Eff | 4.00 | 4.00 | 3.00 | 4.00 | 5.00 | 4.00 | 4.00 | 5.00 | 3.00 | 4.00 | 5.00 | 4.00 | 51.00 | | | 0.00 |
| Loadings: TP - Eff kg/d | 0.599 | 0.976 | 0.708 | 0.780 | 0.337 | 0.107 | 0.113 | 0.193 | 0.106 | 0.136 | 0.109 | 0.049 | | 0.34 | 0.96 | 0.000 |
| Percent Removal: TP - Raw % | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | 0.00 |
| Nitrogen Series | | | | | | | | | | | | | | | | |

Performance Assessment Report

03/07/2023

From 1/1/2022 to 12/31/2022

Page 2 of 2

| | 0.00 | 28.70 | 30.70 | 24.40 < | 5.00 | 19.00 | 24.00 | 30.70 | 38.20 | 13.40 | 15.00 | 10.60 | 22.67 | 38.70 | 0.00 |
|------------------------------------|------|-------|-------|---------|-------|-------|-------|-------|-------|-------|---------|-------|-------|-------|------|
| Raw: Avg TKN - Raw mg/L | 0.00 | 28.70 | 30.70 | 24.40 < | 5.00 | 19.00 | 24.00 | 30.70 | 38.20 | 13.40 | 15.00 | 10.60 | 22.67 | 38.70 | 0.00 |
| Raw: # of samples of TKN - Raw | 0.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 0.00 |
| Eff: Avg TAN - Eff mg/L | 0.29 | 0.27 | 0.35 | 0.43 | 0.30 | 0.08 | 0.10 | 0.12 | 0.10 | 0.04 | 0.04 < | 0.05 | 0.19 | 0.43 | 0.00 |
| Eff: # of samples of TAN - Eff | 4.00 | 4.00 | 5.00 | 4.00 | 5.00 | 4.00 | 4.00 | 5.00 | 3.00 | 4.00 | 5.00 | 4.00 | 5.00 | 5.00 | 0.00 |
| Loading: TAN - Eff kg/d | 0.00 | 0.009 | 0.128 | 0.432 | 0.337 | 0.049 | 0.090 | 0.037 | 0.048 | 0.018 | 0.018 < | 0.018 | 0.12 | 0.43 | 0.00 |
| Disinfection | | | | | | | | | | | | | | | |
| Eff: # of samples of E. Coli - Eff | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.00 | 4.00 | 0.00 | 0.00 |

Biosolids Sludge Quality



CERTIFICATE OF ANALYSIS

| | | | |
|--------------------------------|---|--------------------------------|---|
| Work Order | : TY2201936 | Page | : 1 of 4 |
| Client | Ontario Clean Water Agency | Laboratory | : Thunder Bay - Environmental |
| Contact | : Julla Dubois | Account Manager | : Cassidy Young |
| Address | : PO Box 447 Red Rock ON Canada P0T2P0 | Address | : 1081 Barton Street Thunder Bay ON Canada P7B 5N3 |
| Telephone | : --- | Telephone | : +1 807 623 6463 |
| Project | : 120001817 | Date Samples Received | : 21-Sep-2022 11:38 |
| PO | : --- | Date Analysis Commenced | : 27-Sep-2022 |
| C-O-C number | : --- | Issue Date | : 20-Oct-2022 07:13 |
| Sampler | : --- | | |
| Site | : --- | | |
| Quote number | : Red Rock | | |
| No. of samples received | : 1 | | |
| No. of samples analysed | : 1 | | |

This report supersedes any previous report(s) with this reference. Results apply to the sample(s) as submitted. This document shall not be reproduced, except in full.

This Certificate of Analysis contains the following information:

- General Comments
- Analytical Results

Additional information pertinent to this report will be found in the following separate attachments: Quality Control Report, QC Interpretive report to assist with Quality Review and Sample Receipt Notification (SRN).

Signatories

This document has been electronically signed by the authorized signatories below. Electronic signing is conducted in accordance with US FDA 21 CFR Part 11.

| | | |
|--------------------|------------------------|-------------------------------|
| Signatories | Position | Laboratory Department |
| Greg Pokocky | Supervisor - Inorganic | Inorganics, Waterloo, Ontario |
| Greg Pokocky | Supervisor - Inorganic | Metals, Waterloo, Ontario |



Page : 2 of 4
 Work Order : TY2201936
 Client : Ontario Clean Water Agency
 Project : 120001817

General Comments

The analytical methods used by ALS are developed using internationally recognized reference methods (where available), such as those published by US EPA, APHA Standard Methods, ASTM, ISO, Environment Canada, BC MOE, and Ontario MOE. Refer to the ALS Quality Control Interpretive report (QCI) for applicable references and methodology summaries. Reference methods may incorporate modifications to improve performance.

Where a reported result is less than (<) the LOR, this may be due to primary sample extract/digestate dilution and/or insufficient sample for analysis.

Where the LOR of a reported result differs from standard LOR, this may be due to high moisture content, insufficient sample (reduced weight employed) or matrix interference. Please refer to Quality Control Interpretive report (QCI) for information regarding Holding Time compliance.

Key : CAS Number: Chemical Abstracts Services number is a unique identifier assigned to discrete substances
 LOR: Limit of Reporting (detection limit).

| Unit | Description |
|------|----------------------|
| mg/L | milligrams per litre |

<: less than.

>: greater than.

Surrogate: An analyte that is similar in behavior to target analyte(s), but that does not occur naturally in environmental samples. For applicable tests, surrogates are added to samples prior to analysis as a check on recovery.

Test results reported relate only to the samples as received by the laboratory.

UNLESS OTHERWISE STATED ON SRN OR QCI REPORT, ALL SAMPLES WERE RECEIVED IN ACCEPTABLE CONDITION.

Qualifiers

| Qualifier | Description |
|-----------|--|
| DLHC | Detection Limit Reused: Dilution required due to high concentration of test analyte(s). |
| DLM | Detection Limit Adjusted due to sample matrix effects (e.g. chemical interference, colour, turbidity). |
| SRU | Sample Received Unpreserved. Results may be biased low for indicated parameter(s). |



Analytical Results

Sub-Matrix: Sludge
 (Matrix: Water)

| Analyte | CAS Number | Method | LOR | Unit | Client sample ID | | | | |
|-----------------------------|------------|----------|---------|------|-----------------------------|-----|-----|-----|-----|
| | | | | | Client sampling date / time | | | | |
| Physical Tests | | | | | Digested Sludge WPCP Grab | --- | --- | --- | --- |
| solids, total [TS] | --- | E157-H | 100 | mg/L | 28200 | --- | --- | --- | --- |
| Anions and Nutrients | | | | | --- | --- | --- | --- | --- |
| ammonia, total (as N) | 7664-41-7 | E298 | 0.0050 | mg/L | 453 ^{alc.} | --- | --- | --- | --- |
| niftrate (as N) | 14797-55-8 | E235.NO3 | 0.020 | mg/L | <0.400 ^{cu} | --- | --- | --- | --- |
| Total Metals | | | | | --- | --- | --- | --- | --- |
| aluminum, total | 7429-90-5 | E440B | 2.0 | mg/L | 1240 | --- | --- | --- | --- |
| antimony, total | 7440-36-0 | E440B | 0.020 | mg/L | 0.058 | --- | --- | --- | --- |
| arsenic, total | 7440-38-2 | E440B | 0.020 | mg/L | 0.175 | --- | --- | --- | --- |
| barium, total | 7440-39-3 | E440B | 0.040 | mg/L | 17.0 | --- | --- | --- | --- |
| beryllium, total | 7440-41-7 | E440B | 0.020 | mg/L | <0.020 | --- | --- | --- | --- |
| biometh, total | 7440-69-9 | E440B | 0.010 | mg/L | 0.935 | --- | --- | --- | --- |
| boron, total | 7440-42-8 | E440B | 2.0 | mg/L | <2.0 | --- | --- | --- | --- |
| cadmium, total | 7440-43-9 | E440B | 0.0020 | mg/L | 0.0268 | --- | --- | --- | --- |
| calcium, total | 7440-70-2 | E440B | 100 | mg/L | 830 | --- | --- | --- | --- |
| chromium, total | 7440-47-3 | E440B | 0.10 | mg/L | 0.78 | --- | --- | --- | --- |
| cobalt, total | 7440-48-4 | E440B | 0.10 | mg/L | 0.16 | --- | --- | --- | --- |
| copper, total | 7440-50-8 | E440B | 0.20 | mg/L | 21.6 | --- | --- | --- | --- |
| iron, total | 7439-89-6 | E440B | 10 | mg/L | 769 | --- | --- | --- | --- |
| lead, total | 7439-92-1 | E440B | 0.020 | mg/L | 1.34 | --- | --- | --- | --- |
| lithium, total | 7439-93-2 | E440B | 0.20 | mg/L | <0.20 | --- | --- | --- | --- |
| magnesium, total | 7439-95-4 | E440B | 10 | mg/L | 148 | --- | --- | --- | --- |
| manganese, total | 7439-96-5 | E440B | 0.10 | mg/L | 18.1 | --- | --- | --- | --- |
| mercury, total | 7439-97-6 | E508B | 0.00050 | mg/L | 0.0326 | --- | --- | --- | --- |
| molybdenum, total | 7439-98-7 | E440B | 0.010 | mg/L | 0.116 | --- | --- | --- | --- |
| nickel, total | 7440-02-0 | E440B | 0.10 | mg/L | 0.60 | --- | --- | --- | --- |
| phosphorus, total | 7723-14-0 | E440B | 10 | mg/L | 700 | --- | --- | --- | --- |
| potassium, total | 7440-09-7 | E440B | 10 | mg/L | 66 | --- | --- | --- | --- |
| selenium, total | 7782-49-2 | E440B | 0.010 | mg/L | 0.108 | --- | --- | --- | --- |



Page : 4 of 4
 Work Order : TY2201936
 Client : Ontario Clean Water Agency
 Project : 120001817

Analytical Results

Sub-Matrix: Sludge
 (Matrix: Water)

| Analyte | CAS Number | Method | LOR | Unit | Client sample ID | |
|------------------|------------|--------|--------|------|-----------------------------|---------------------------|
| | | | | | Client sampling date / time | Digested Sludge WPCP Grab |
| Total Metals | | | | | | |
| silver, total | 7440-22-4 | E440B | 0.010 | mg/L | 0.024 | |
| sodium, total | 7440-23-5 | E440B | 10 | mg/L | 91 | |
| strontium, total | 7440-24-6 | E440B | 0.020 | mg/L | 3.06 | |
| sulfur, total | 7704-34-9 | E440B | 100 | mg/L | .370 | |
| thallium, total | 7440-28-0 | E440B | 0.0020 | mg/L | 0.0038 | |
| tin, total | 7440-31-5 | E440B | 0.020 | mg/L | 0.535 | |
| titanium, total | 7440-32-6 | E440B | 0.060 | mg/L | 6.55 | |
| tungsten, total | 7440-33-7 | E440B | 0.18 | mg/L | <0.18 | |
| uranium, total | 7440-61-1 | E440B | 0.0020 | mg/L | 0.0527 | |
| vanadium, total | 7440-62-2 | E440B | 0.10 | mg/L | 0.62 | |
| zinc, total | 7440-66-6 | E440B | 0.60 | mg/L | 57.6 | |
| zirconium, total | 7440-67-7 | E440B | 0.060 | mg/L | 0.427 | |
| | | | | | Result | |
| | | | | | TY2201936-001 | |

Please refer to the General Comments section for an explanation of any qualifiers detected.



ALS Environmental
www.alsglobal.com

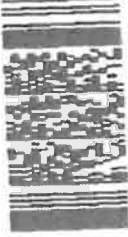
Chain of Custody (COC) / Analytical Request Form

Canada Toll Free: 1 800 668 9878

Affix ALS barcode label here
(lab use only)

OC Number 14

**Environmental Division
Thunder Bay
Work Order Reference
TY2201936**



Telephone: +1 807 623 0483

Report To
Company: OCWA Red Rock
Contact: Operator Red Rock WPCP
Address: PO Box 447
Red Rock, ON, P0T 2P0
Phone: 1-807-853-0850

Report Format / Distribution
Select Report Format: PDF EXCEL BOD (DIGITAL)
Quality Control (QC) Report with Report Yes No
 Criteria on Report - provide details below if box checked
Select Distribution: EMAIL MAIL FAX
Email 1 or Fax: 807-978-2402
Email 2

Invoice To Same as Report To Yes No
Copy of Invoice with Report Yes No
Company: OCWA
Contact: Accounts Payable

Project Information
ALS Quote #: 120201817
MODE Waterworks/Job #: 120201817
PO / AFE:
LSD:

ALS Lab Work Order # (lab use only) 1936

Select Service Level Below (Rush 1)
R Regular (Standard TAT if not)
P Priority (2-4 bus. days if not)
E Emergency (1-2 bus. days if not)
E2 Same day or weekend emerge
Specify Date Required for Analysis

Indicate Filled (F), Preserved (P) or

Select Invoice Distribution: EMAIL MAIL FAX
Email 1 or Fax:
Email 2

Client and Gas Required Fields (client use only)
Approver ID:
GL Account:
Activity Code:
Location:
ALS Contact:
Sampler: DA
Time (hh:mm): 9:00
Date (dd-mm-yy): 20-Sep-22
Sample Type: Grab

| Station Acronym | Station Number Short Name | Sample Identification and/or Coordinates | Date (dd-mm-yy) | Time (hh:mm) | Sample Type | Total Solids | Ammonia + Ammonium | Nitrate as N | Urea Nitrogen | Calcium | Cobalt | Chromium | Copper | Lead | Mercury | Molybdenum | Nickel | Potassium | Sulfate | Zinc | Number of Containers |
|-----------------|---------------------------|--|-----------------|--------------|-------------|--------------|--------------------|--------------|---------------|---------|--------|----------|--------|------|---------|------------|--------|-----------|---------|------|----------------------|
| Sludge | | Digested Sludge WPCP | 20-Sep-22 | 9:00 | Grab | | | | | | | | | | | | | | | | |

Drinking Water (DW) Samples (client use)
Are samples taken from a Regulated DW System?
 Yes No
Are samples for human drinking water use?
 Yes No

Special Instructions / Specify Criteria to add on report (client use)

Sample Condition as Received (lab use only)
Frozen SF Observati Yes No
Ice pack Yes No Custody seal Yes No
Cooling Inlet

TELEPHONE: 807-623-0483
FAX: 807-623-0484
FINAL COOLER TEMPERATURES °C: 11.3

INITIAL SHIPMENT RECEPTION (lab use only)
Received by: *Oliver*
Date: 21-Sep-22
Time: 11:30

FINAL SHIPMENT RECEPTION (lab use only)
Received by:
Date:
Time:

WHITE - LABORATORY COPY
YELLOW - CLIENT COPY

Failure to complete all portions of this form may delay analysis. Please fill in this form LEGIBLY. By the use of this form the user acknowledges and agrees with the Terms and Conditions as specified on the back page of the white - report copy.
1. If any water samples are taken from a Regulated Drinking Water (DW) System, please submit using an authorized DW COC form.

By-Pass Reports – 2022

Environmental Incident Report



Ontario Clean Water Agency
Agence Ontarienne Des Eaux

System: Red Rock Wastewater System

MOE Works: 120001817

Location: Red Rock

Receiver: Lake Superior

| | | |
|---|---|--------------------------------------|
| Start of Incident: | Date: April 6 2022 | Time: 13:00 |
| <input type="checkbox"/> Spill | Details/Cause of Incident: | |
| <input checked="" type="checkbox"/> Bypass | High flows due to rain and snow melt and lift pump failure | |
| <input type="checkbox"/> Other | | |
| Downstream Users <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | Possible effects on receiver, environment or downstream users: No downstream users | |
| Chlorination | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | |
| Corrective Actions: | | |
| MOECC SAC called | Date: Apr 7 | At 13:45 Contact: Brenda Capicciotti |
| MOH | Date: Apr 7 | At 13:50 Contact: Abbie Mackie |
| Jeff St. Pierre called | Date: Apr 7 | At 14:05 Contact: |
| Township called | Date: Apr 7 | At 14:00 Contact: Blair Westerman |
| Other: | Date: | at Contact: |
| Reference #: | Operator Reporting Incident: | |

| | | | |
|---|--|------------|-----------------------------|
| Termination: | Date: April 7 2022 | Time: 7:00 | Duration: 14 hours |
| Approximate 1420 m ³ Volume (m ³) | | | |
| SAC called | Date: Apr 7 2022 | at: 13:45 | Contact: Brenda Capicciotti |
| Further Actions Required: No | | | |
| Operator Reporting Termination: Dave Houston | | | |
| MOECC SAC | Tel: 800 268-6060 Fax: 800 268-6061 | Comments | |
| MOH – Northwestern Health Unit (after hours) | Tel: 1-800-461-3348 Tel: 807-274-9827 Tel: 807-468-7109 Fax: 807-274-0779 | Comments | |
| Environment Canada | Fax: 819-420-7382 Attn: Wastewater Program | | |

Verbal notifications: MOECC SAC, MOH, Sr. Operations Manager, Client/Owner
Fax completed report: MOECC SAC, MOH, Environment Canada, VP Operations/Corporate Office, Regional Manager, Geraldton Hub Office Group, PCTs, Client/Owner, ORO

Environmental Incident Report



Ontario Clean Water Agency
Agence Ontarienne Des Eaux

System: **Red Rock WPCP**

MOE Works: 220000193

Location:

Receiver: Lake Superior

| | | |
|--|---|--|
| Start of Incident: | Date: Apr 24, 2022 | Time: 2:23 |
| <input type="checkbox"/> Spill | Details/Cause of Incident: | |
| <input checked="" type="checkbox"/> Bypass | High flows due to rain and snow melt. 2 lift pumps could not keep up | |
| <input type="checkbox"/> Other | | |
| Downstream Users <input type="checkbox"/> Yes <input type="checkbox"/> No | Possible effects on receiver, environment or downstream users: No downstream users | |
| Chlorination | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No UV on portion that did not bypass | |
| Corrective Actions: Put pumps int manual and increased flow to lower wet well the put back into normal operarion | | |
| MOECC SAC called | Date :Apr 24 | At 12:43 Contact: Jon Kowba |
| MOH | Date: Apr 24 | At 12:52 Contact: Allyson Veneziano |
| Jeff St. Pierre called | Date: Apr 24 | At 13:09 Contact: |
| Township called | Date: Apr 24 | At 13:09 Contact: |
| Other: | Date: | at Contact: |
| Reference #: | | |
| Operator Reporting Incident: | | |

| | | | |
|---|--|------------|----------------------|
| Termination: | Date: Apr 24 | Time: 8:30 | Duration: 6 hr 7 min |
| Approximate Volume (m ³) 3200 | | | |
| SAC called | Date: Apr 24 | at: 12:43 | Contact: Jon Kowba |
| Further Actions Required: | | | |
| Operator Reporting Termination: Dave Houston | | | |
| MOECC SAC | Tel: 800 268-6060 Fax: 800 268-6061 | Comments | |
| MOH – Northwestern Health Unit (after hours) | Tel: 1-800-461-3348 Tel: 807-274-9827 Tel: 807-468-7109 Fax: 807-274-0779 | Comments | |
| Environment Canada | Fax: 819-420-7382 Attn: Wastewater Program | | |

Verbal notifications: MOECC SAC, MOH, Sr. Operations Manager, Client/Owner
 Fax completed report: MOECC SAC, MOH, Environment Canada, VP Operations/Corporate Office, Regional Manager, Geraldton Hub Office Group, PCTs, Client/Owner, ORO

NOTIFICATION OF NON-COMPLIANCE

Feb 9, 2022

Glen Niznowski
 MECP
 435 James St S.
 Thunder Bay On.
 P7E 6S7

Re: Notification of Non-compliance with ECA Effluent Limit

This is a notification of non-compliance with an effluent limit for the Red Rock WPCP submitted in accordance with terms and conditions of Environmental Compliance Approval 4605-AKRQDU, and provisions of the *Ontario Water Resources Act* and *Environmental Protection Act*. This written notice confirms the verbal notification provided on Mar 4, 2022 Glen Niznowski MECP Manager

The following effluent parameter(s) was/were exceeded:

| Parameter | Date of Non-Compliance (yyyy-mm-dd) | Type of Limit | Type of Sample | Result (Specify Units) | Calculation Method | ECA Effluent Limit |
|------------------------|-------------------------------------|-----------------|----------------|------------------------|--------------------|--------------------|
| Total Suspended Solids | 2022-03-07 | Monthly Average | Composite | 25.825 mg/L | Arithmetic Mean | 25 mg/L |

Comments/Actions Taken:

The TSS for the month of February was above the monthly average. 3 out of the 4 samples were well within range but the fourth outlier was quite high 78.6. The cause of the high result is unknown. There were no apparent upsets and the flows were normal.

If you have any questions or concerns, please contact me at **807-889-0531**.

Sincerely,

Dave Houston
 Operator In Charge
 NWO Hub

Cc: Alyson Kirk, Pat Albert, Jeff St. Pierre, Jeremy Drindak, Julia Dubois, Pam Cowie

NOTIFICATION OF NON-COMPLIANCE

Mar 4, 2022

Glen Niznowski
 MECP
 435 James St S.
 Thunder Bay On.
 P7E 6S7

Re: Notification of Non-compliance with ECA Effluent Limit

This is a notification of non-compliance with an effluent limit for the Red Rock WPCP submitted in accordance with terms and conditions of Environmental Compliance Approval 4605-AKRQDU, and provisions of the *Ontario Water Resources Act* and *Environmental Protection Act*. This written notice confirms the verbal notification provided on Mar 4, 2022 to Glen Niznowski, MECP District Manager.

The following effluent parameter(s) was/were exceeded:

| Parameter | Date of Non-Compliance (yyyy-mm-dd) | Type of Limit | Type of Sample | Result (Specify Units) | Calculation Method | ECA Effluent Limit |
|------------------------------|-------------------------------------|-----------------|----------------|------------------------|--------------------|--------------------|
| Examples Total Phosphorus | 2022-03-04 | Monthly Average | Composite | 2.72 mg/L | Arithmetic Mean | 1.0 mg/L |

Comments/Actions Taken:

Phosphorous levels at the new plant in Red Rock did not meet the monthly average for the month of February. We will be working with the Process engineer from Aegus to figure out how to meet our limit.

If you have any questions or concerns, please contact me at **807-889-0531**.

Sincerely,

Dave Houston
 ORO/OIC
 NWO Hub

cc: Patrick Albert, General Manager
 Julia DuBois, Process & Compliance Technician
 Jeremy Drindak, Process & Compliance Technician
 Allyson Kirk, Safety, Process and Compliance Manager

NOTIFICATION OF NON-COMPLIANCE

April 12, 2022

Glen Niznowski
 435 James St S.
 Thunder Bay On.
 P7E 6S7

Re: Notification of Non-compliance with ECA Effluent Limit

This is a notification of non-compliance with an effluent limit for the Red Rock WPCP submitted in accordance with terms and conditions of Environmental Compliance Approval 4605-AKRQDU, and provisions of the *Ontario Water Resources Act* and *Environmental Protection Act*. This written notice confirms the verbal notification provided on April 11, 2022 to Glen Niznowski MECP District Manager.

The following effluent parameter(s) was/were exceeded:

| Parameter | Date of Non-Compliance (yyyy-mm-dd) | Type of Limit | Type of Sample | Result (Specify Units) | Calculation Method | ECA Effluent Limit |
|------------------------------|-------------------------------------|-----------------|----------------|------------------------|--------------------|--------------------|
| Examples Total Phosphorus | 2022-04-08 | Monthly Average | Composite | 1.94 mg/L | Arithmetic Mean | 1.0 mg/L |

Comments/Actions Taken:

Phosphorous monthly average WPCP was 1.94 mg/L for the month of March. Alum line froze again and a local dosing pump was set up at injection point a small improvement has been shown.

If you have any questions or concerns, please contact me at **807-889-0531**.

Sincerely,

Dave Houston
 Operator
 NWO Hub

NOTIFICATION OF NON-COMPLIANCE

Feb 9, 2022

Glen Niznowski
 435 James St S.
 Thunder Bay On.
 P7E 6S7

Re: Notification of Non-compliance with ECA Effluent Limit

This is a notification of non-compliance with an effluent limit for the Red Rock WPCP submitted in accordance with terms and conditions of Environmental Compliance Approval 4605-AKRQDU, and provisions of the *Ontario Water Resources Act* and *Environmental Protection Act*. This written notice confirms the verbal notification provided on Feb 9 2022 to Glen Niznowski MECP District Manager.

The following effluent parameter(s) was/were exceeded:

| Parameter | Date of Non-Compliance (yyyy-mm-dd) | Type of Limit | Type of Sample | Result (Specify Units) | Calculation Method | ECA Effluent Limit |
|------------------------------|-------------------------------------|-----------------|----------------|------------------------|--------------------|--------------------|
| Examples Total Phosphorus | 2022-02-09 | Monthly Average | Composite | 1.74 mg/L | Arithmetic Mean | 1.0 mg/L |

Comments/Actions Taken:

Phosphorous levels at the new plant in Red Rock have not been met since October. We had trouble with Alum delivery but that has been fixed and increasing Alum dosage has not shown an improvement. I will be working with the Process engineer from Aegus to figure out how to meet our limit.

If you have any questions or concerns, please contact me at **807-889-0531**.

Sincerely,

Dave Houston
 Operator
 NWO Hub

THE CORPORATION OF THE TOWNSHIP OF RED ROCK

978th REGULAR MEETING OF COUNCIL

APRIL 4th, 2023

Present: Mayor: D. Robinson
Councillors: G. Muir
N. Gladun
C. Brand
M. Smith
Chief Administrative Officer: M. Figliomeni
Municipal Secretary: W. Odahl

ONE: CLOSED SESSION

1.1 Resolution to Close the Meeting

Resolution #1

Moved by: Councillor Gladun
Seconded by: Councillor Muir

BE IT RESOLVED THAT Council move into Closed Session at 6:30pm under the authorities as printed in the Agenda.

CARRIED

Council entered Closed Session.

Resolution #2

Moved by: Councillor Brand
Seconded by: Councillor Muir

BE IT RESOLVED THAT Council approves the Closed Session Minutes of the March 20, 2023 Regular Meeting of Council.

CARRIED

Resolution #3

Moved by: Councillor Smith
Seconded by: Councillor Gladun

BE IT RESOLVED THAT Council rise from Closed Session at 7:00pm and report in Open Session.

CARRIED

The open session re-convened at 7:00pm.

TWO: REPORT FROM CLOSED SESSION

Council approved the Closed Session minutes of the March 20, 2023 meeting of Council and discussed personnel matters and acquisition or disposition of land while in Closed Session.

THREE: PRELIMINARY MATTERS

3.1 Call to Order

Mayor Robinson called the meeting to order at 7:01p.m.

3.2 Traditional Territory Acknowledgement & Moment of Silence

Mayor Robinson read aloud the following land recognition and then proceeded in a moment of silence:

“Council of the Township of Red Rock hereby acknowledge that we are on the traditional territory of the Robinson-Superior Treaty and that the land we gather on is home to the Red Rock Indian Band, the Anishnaabek and the Metis People.”

CARRIED

3.3 Acceptance of the Agenda

The Agenda was approved with the following resolution:

Resolution #4

Moved by: Councillor Smith

Seconded by: Councillor Gladun

BE IT RESOLVED THAT the Agenda for this Regular Meeting of Council be accepted.

CARRIED

3.4 Disclosures of Interest

In response to Mayor Robinson’s request, no members disclosed interest in matters before Council this evening.

FOUR: PRESENTATIONS OR DEPUTATIONS

The scheduled delegation on the Agenda was cancelled due to illness.

FIVE: MINUTES OF PREVIOUS COUNCIL MEETINGS

5.1 Minutes of the March 20, 2023 Meeting of Council (Open Session)

Council approved the minutes for the March 20, 2023 Regular Meeting of Council with the following resolution:

Resolution #5

Moved by: Councillor Muir

Seconded by: Councillor Smith

BE IT RESOLVED THAT Council approves Open Session Minutes of the March 20, 2023 regular Meeting of Council.

CARRIED

SIX: CORRESPONDENCE

6.1 Resolutions from other Municipalities

Resolution #6

Moved by: Councillor Smith

Seconded by: Councillor Brand

BE IT RESOLVED THAT Council supports the correspondence from the Municipality of Wawa regarding Municipal Insurance Costs.

CARRIED

6.2 NOMA – Call to Address Homelessness in Ontario

Councillor Brand shared some statistics from the Thunder Bay District Health Unit Board on homelessness in Thunder Bay.

Resolution #7

Moved by: Councillor Brand

Seconded by: Councillor Gladun

BE IT RESOLVED THAT Council supports the correspondence from the NOMA regarding addressing homelessness in Ontario.

CARRIED

6.3 Ontario News Release – Ontario Protecting Boreal Caribou

Councillor Smith questioned if the project covered the Red Rock area.

6.4 MNRF – Floating Accommodations

Council discussed the changes to the original proposed amendments relating to floating accommodations.

6.5 MNRF – Inspection of 2023/2024 Annual Work

Councillor Smith suggested that the Township shares information regarding tree planting opportunities.

6.6 TBDSSAB – February 16, 2023 Meeting Minutes (Open & Closed)

Council posed no questions or discussions on the correspondence.

6.7 TBDHU- February 15, 2023 Meeting Minutes

Council posed no questions or discussions on the correspondence.

6.8 TbayTel – 10 Digit Dialing

Council discussed possibilities on helping the senior community through the change.

SEVEN: REPORTS FROM COMMITTEES, BOARDS OR AGENCIES

7.1 Red Rock Public Library Board – February 14, 2023 Meeting Minutes

Council posed no questions or discussions on the report.

Resolution #8

Moved by: Councillor Smith

Seconded by: Councillor Muir

BE IT RESOLVED THAT the minutes of the Red Rock Public Library Board's meeting on February 14, 2023, be received.

CARRIED

EIGHT: REPORTS FROM ADMINISTRATION

8.1 Report on Administrative Activity

Council discussed the invasive species of phragmites in Ontario and the 2023 budget process.

Resolution #9

Moved by: Councillor Gladun

Seconded by: Councillor Muir

BE IT RESOLVED THAT the report on Administrative Activity be received.

CARRIED

8.4 Report on Post-Election Accessibility Report

Council discussed the post-election report on the 2022 Municipal Election.

8.5 Report on NOMA Administrative Rep

Resolution #10

Moved by: Councillor Gladun

Seconded by: Councillor Muir

BE IT RESOLVED THAT Council of the Township of Red Rock supports the nomination of Mark Figliomeni for the position of the Thunder Bay District Municipal League's Administrative Rep on the NOMA Board.

CARRIED

NINE: BY-LAWS

None

TEN: NEW BUSINESS

None

ELEVEN: UNFINISHED BUSINESS

No updates were given on items under Unfinished Business.

TWELVE: CLOSED SESSION

Council did not go back into Closed Session.

THIRTEEN: REPORT FROM CLOSED SESSION

None

FOURTEEN: CONFIRMING BY-LAW

Resolution #11

Moved by: Councillor Muir
Seconded by: Councillor Smith

BE IT RESOLVED THAT By-law 2023-1317, to confirm the proceedings of this evening's meeting, be passed as circulated.

CARRIED

FIFTEEN: ADJOURNMENT

With no further business to conduct, Mayor Robinson declared the meeting adjourned at 7:23p.m.

Mayor

Chief Administrative Officer/Clerk

March 6, 2023

The Honourable Doug Ford
Premier@ontario.ca

Re: Support Bill 5 - Stopping Harassment and Abuse by Local Leaders Act

Please be advised the Council of the Municipality of Chatham-Kent, at its regular meeting held on March 6, 2023 passed the following resolution:

"That Chatham-Kent Council express its support for Bill 5 - Stopping Harassment and Abuse by Local Leaders Act which would require the code of conduct for municipal Councillors and members of local boards to include a requirement to comply with workplace violence and harassment policies and permit municipalities and local boards to direct the Integrity Commissioner to apply to the court to vacate a member's seat if the Commissioner's inquiry determines that the member has contravened this requirement;

And further that this resolution be circulated to the Honourable Doug Ford, Premier of Ontario; the Honourable Steve Clark, Minister of Municipal Affairs and Housing; the Honourable Stephen Blais, and local MPPs."

If you have any questions or comments, please contact Judy Smith at ckclerk@chatham-kent.ca

Sincerely,



Judy Smith, CMO
Director Municipal Governance/Clerk

C

Minister of Municipal Affairs and Housing
Local MPPs
Ontario Municipalities



MUNICIPALITY OF
SHUNIAH

COUNCIL RESOLUTION

Resolution No.: 138-23

Date: Apr 11, 2023

Moved By: _____

Seconded By: _____

THAT Council receive and support the resolution from the Town of Essex regarding Municipalities Retaining Surplus Proceeds from Tax Sales;

AND THAT Council direct the Clerk to forward a copy of this resolution to Honourable Peter Bethlenfalvy, Minister of Finance, Lise Vaugeois, MPP, Kevin Holland, MPP, Association of Municipalities of Ontario (AMO) and all other Ontario Municipalities.

Carried

Defeated

Amended

Deferred

Wendy Landry
Signature

Municipality of Shuniah, 420 Leslie Avenue, Thunder Bay, Ontario, P7A 1X8



LISE VAUGEOIS

MPP Thunder Bay—Superior North
Députée provinciale de Thunder Bay—Supérieur-Nord

Hon. Caroline Mulroney
Ministry of Transportation
5th Floor
777 Bay St.
Toronto, ON
M7A 1Z8

April 4, 2023

Dear Minister Mulroney,

I am requesting a meeting with you and members of MTO staff to discuss what it might be possible to do to address the number of tragic accidents taking place on highways 11 and 17 in Northern Ontario.

In spite of high safety rankings for the Province of Ontario, people living along and near highways 11 and 17 are frightened to use the highways, often their main streets, because of the number of fatalities and extreme accidents they are witnessing. These highways are also frequently closed for extended periods of time, up to 36 hours. These are issues I heard about five years ago when I first ran for office and the number of accidents and road closures have continued to increase.

Since raising this issue in the legislature, I have received many email letters and phone calls, not only expressing support for addressing the issue of transport-driver training but offering detailed accounts of where, when, and how fraud is taking place.

I appreciate that the lack of training standards across the country make it very difficult to clamp down on *training* fraud in Ontario; however, I believe there are actions the MTO could take immediately to reduce the number of accidents and highway closures.

My goal is to solve whatever can be addressed immediately in Ontario but I would be happy to work together with you to pressure the federal government to address the issue of Canada-wide training and enforcement standards so that the various forms of fraud taking place can be addressed nationally.

Immediate recommendation:

We need inspection stations to be staffed and operating at all hours throughout Ontario. I heard last week during discussions with members of the MTO (Public Accounts, VFM hearing) that the number of roadside stops by OPP officers on the highways has increased. This is a good first step but it is not enough for the following reasons:

- 1) Inspections by OPP officers cannot replace the thorough inspections that take place at highway weigh stations where weight, load balance, tire maintenance, ELD enforcement, and if needed, complete mechanical inspections can take place.
- 2) Given how few stations are open, it is easy to choose routes that avoid these stations. If multiple stations are staffed, it becomes far more difficult to avoid scrutiny.
- 3) If drivers are forced to stop and they and their trucks are found in violation of safety standards, they can be pulled off the road and their goods will not be delivered.
- 4) If owners cannot get their goods delivered, it becomes much more costly for them to send out poorly trained drivers in badly maintained vehicles.

I have highlighted some of the most obvious problems below and have included an addendum that lists additional concerns regarding practices of unscrupulous companies.

ELDs:

- 1) If no one at the trucker's home company cares to monitor ELDs, drivers can continue driving even when their ELD says they need to stop.
- 2) Because OPP officers are not trained to read and understand the implications of ELDs they don't have the tools they need to force drivers to stop if they are over the limit.

Insurance contracts that allow unscrupulous companies to stay in business:

- 1) Trucking companies are offering \$1M as their deductible. For this reason, companies that get a bad reputation simply shut down, rebrand, and get a new license along with insurance, and open up under a new name within days of shutting down.

Training and Drive Test fraud:

- 1) Fleet owners that do their own training are taking seats out of their truck cabs so that up to 7 people can fit inside. One driver actually sits behind the wheel and the others watch. This is a substitute for the one-on-one physical driver training that is required by MELT.
- 2) There are no standards to determine who is qualified to train transport truck drivers.
- 3) A version of the written Drive Test is in circulation. Candidates can memorize the answers, but according to those administering the tests, candidates do not actually understand the meaning or significance of the terms. As well, successful test-takers are taking the tests for other drivers, with fake ID.
- 4) Drive Test staff know this is going on and have complained but are being told to ignore the fraud taking place in their test centres.

For additional specifics on poor driver-training and in situ driver practices, please see Addendas A & B.

Minister Mulroney, I know that your ministry has improved the frequency of plowing from 16 to 12 hours and I have been told by drivers in the region that this has resulted in noticeable improvements. Given that 11 and 17 are the only route for goods and people to travel across the country, I believe that an 8-hour standard is warranted but I do want to acknowledge that the 12-hour standard has been positive and is appreciated.

I also know that a “super” weigh station is being built between Nipigon and Thunder Bay where *all* cross-Canada truck drivers could potentially be stopped for inspection. Work on this station is visible from the highway and I believe it will be ready by the late summer so, again, I want to thank you and your ministry for this very significant improvement to highway safety.

I know you are also aware that drivers need more places where they can pull off, have bathroom breaks, and have showers. If there is anyway that I can support your ministry in addressing these needs, I would be happy to do so.

My riding covers ca 93,000 square kilometres and there is not a single person in my riding who is not affected by conditions on highways 11 and 17, thus, this is an issue that is of concern to everyone in my riding. I know it is also of equal concern for all the other ridings that are dependent on highways 11 and 17. We know that, ideally, the entire Trans-Canada Highway would be four-laned and divided, much as is found in the United States. That said, members of my constituency are looking forward to hearing the results of the 2+1 pilot project taking place in North Bay in the hopes that this might provide necessary relief where four-laning is less practical.

I hope we will be able to meet as soon as possible, together with staff members of the MTO, to look at possible solutions.

I am attaching a document that outlines many additional poor practices, as Addendum A, suggestions for improvements, by Truckers for Safer Highways, attached as Addendum B, and copies of some of the correspondence I have received about this issue.

Sincerely,



Attachments:

- Addendum A: additional notes, compiled by MPP Vaugeois
- Addendum B: Safety proposals by Truckers for Safer Highways
- Addendum C: Letters & Calls on the issue of Trucker-training and safety on Highways 11 & 17
- Addendum D: Letter and photographs from the Fogolin family

C.C.:

- Travis McDougall, Jeffrey Orr, Truckers for Safer Highways
- Municipal and First Nations’ Councils in Thunder Bay—Superior North
- People who have written to me about this issue

Addendum A

Pressures on Inadequately trained and inadequately supported Drivers:

- 1) Unscrupulous trucking companies do not allow their drivers to stop for bad weather, unless the highway has been closed by the OPP. Unfortunately, when accidents are caused by these drivers who not allowed to stop, they become the reason that highways are closed for days at a time.
- 2) Such companies do not pay drivers their full pay unless they beat the clock – a recipe for dangerous driving.
- 3) Drivers hoping to attain their permanent resident status are much easier to exploit and pressure into driving without adequate training. This is not the fault of the drivers but a system that is allowing companies to shirk their responsibilities to have thoroughly trained drivers on the road with well-maintained vehicles, including tires suitable for driving through winter conditions.
- 4) Multiple “licensed” drivers are in one truck; however, many of the licensees do not know how to actually drive the truck. None have had the required number of training hours physically driving a truck. This is most obvious when they need to back up and have to swap drivers to get the one who knows how to reverse the truck and steer backwards. Most are being nominally trained on automatic transmissions and do not know how to drive dual-stick trucks.
- 5) Drivers trained by unscrupulous companies do not know how to handle fully loaded trailers versus unloaded trailers because it is not being included in their training.
- 6) Many drivers have never driven a car, and do not have G licenses, before they are “trained” to drive a transport truck.
- 7) Poorly trained drivers do not know how to recognize or deal with mechanical problems, do not know how to check and secure their loads and do not know how to go through an inspection station. They only know that inspection stations are to be avoided if at all possible.
- 8) Significantly damaged trucks are being put on the road, again, by unscrupulous companies, putting their drivers and the public at risk.
- 9) Companies are drilling holes in the floor of their cabs for the purpose of bowel movements. In this way, with multiple drivers able to swap out, the truck never has to stop. Pee bottles are routinely thrown out the window onto our highways.
- 10) There are many reports of people witnessing drivers using their phones or watching videos while driving.

An example where staffing inspection stations and increasing roadside enforcement are both needed:

- 1) Highway 102 is the preferred route for many truck drivers driving north and west of Thunder Bay because it cuts off up to 20 minutes of driving. Highway 102 in Thunder Bay, is the site of many transport accidents, most recently one that totaled a car, sent the car-driver to hospital, with the truck landing upside down in the backyard of a home taking out their fence and trees. *For reasons that I do not understand, the driver was only charged with failing to stop at a red light.*

There are three sets of lights in the strip of highway 102 (also called Dawson Rd) between an unstaffed inspection station and the entry to highway 11/17. Truck drivers routinely try to run these lights. Where this accident took place is three blocks from my own home and, along with the many people who have to turn into the subdivisions that run off highway 102, I have been run off the road by trucks trying to beat the lights. A bus carrying children recently experienced a near miss at the same intersection.

- 2) If the inspection station on highway 102/Dawson Rd were staffed, trucks and their drivers would be forced to undergo one of the three levels of inspection, slowing them down and, at the very least, ensuring that the vehicles they are driving are safe. If OPP officers were also making surprise appearances to monitor trucks speeding through the 3 sets of lights, the safety conditions on this highway would improve significantly.



For immediate release

***Waterpower Industry Welcomes Release of Northern Hydro Report
4,000 – 5,000 MW of Untapped Waterpower Potential Confirmed***

February 13, 2023 – Peterborough – Today, the Ministry of Energy released a report prepared by Ontario Power Generation (OPG), with input and advice from the Ontario Waterpower Association (OWA) and Indigenous communities who are partners in waterpower projects, focused on new waterpower development opportunities in Northern Ontario. The report confirms that 4000-5000 MW of Made in Ontario waterpower, which is already the backbone of Ontario’s renewable energy supply, is available and can make a significantly increased contribution to meeting the province’s emergent electricity needs and help achieve decarbonization objectives. The majority of this potential (3,000-4,000MW) is in northern Ontario.

“This report will serve as a foundation for the development of a strategy to realize the significant electricity and broader socio-economic benefits of expanding hydroelectric generation, not only in the north, but across the province,” said Paul Norris, OWA President. “I am particularly pleased with the recognition of the important opportunities to build on the industry’s successful partnerships with Indigenous communities.”

“Unlocking potential hydroelectric generation in the north is a clean, reliable made-in-Ontario solution to help meet the province’s growing electricity needs,” said Heather Brown, OPG Director, Hydroelectric Business Development. “We look forward to working closely with Indigenous communities, the Ontario Waterpower Association and industry partners to advance the opportunities laid out in the Northern Ontario Hydroelectric Opportunities Report, ensuring Ontarians have a safe, reliable, and cost-effective electricity grid.”

The report notes that “investments in hydro development would directly benefit the economy with at least 75% of capital expenditures and 90% of lifetime operational expenditures spent in Ontario. Our durable, century old hydroelectric stations also remain the lowest-cost sources of power in the province. Through sustaining capital investments, hydroelectricity is also the only generating technology that is renewable, long-lasting and readily available.”

Specific to Indigenous partnerships, the report observes that though every community has unique needs and perspectives on specific projects, all of the Indigenous communities engaged were generally supportive of hydroelectric development, provided it is done responsibly, with environmental protections incorporated, and there is meaningful, early participation, as well as community benefits that further economic and social progress.

“Ontario has a once in a generation opportunity to build more of these perpetual assets,” added Stephen Somerville, Chair of the OWA Board of Directors. “We look forward to working with the government and communities to design mechanisms to encourage and enable early-stage project investment to begin unlocking this potential.”

In May 2022, the OWA commissioned public opinion polling which found overwhelming support for new waterpower development across the province and, importantly, even greater support for development in northern Ontario in cooperation with Indigenous communities. In December 2022, the IESO published a “Pathways to Decarbonization” study that recommended that planning and siting work to identify potential new hydroelectric projects should begin now and that a process should be established to recover pre-development costs for these long lead time projects.

-30-

For more information on the Ontario Waterpower Association, visit www.owa.ca.

Contact:

Paul Norris

President

Ontario Waterpower Association

705-741-9686

pnorris@owa.ca



Made-in-Ontario northern hydroelectric opportunities

Securing a clean energy
future through hydropower

ONTARIO **POWER**
GENERATION

Where a brighter
tomorrow begins.

Whitedog Falls GS



1.0

Executive summary

Ontario is fortunate to have significant untapped hydroelectric potential. As economies around the world face pressure to decarbonize, few have this enviable clean energy advantage. While there are sizeable, initial development costs, once built, these sites become multi-generational, perpetual assets that provide clean, renewable energy and economic benefits for Indigenous communities and Ontario. Dozens of the province's hydroelectric generation stations are over 100 years old, benefiting the ratepayer through low cost operation.

This report highlights the importance of new northern Ontario hydroelectric generation as a part of a made-in-Ontario clean energy system. Many of those engaged have emphasized that hydroelectricity represents a powerful driver of jobs and growth for northern Ontario, both directly via the development of projects, and as an enabler of economic activities and strategies, such as *Ontario's Critical Mineral Strategy*.

The province's clean electricity supply provides Ontario with an advantage when looking to attract investment and create jobs in key sectors like mining. Additional hydroelectric development in northern Ontario, where critical minerals are found, will strengthen this advantage.

Approach

In response to the Minister's request, OPG has identified areas of high generation potential (subsequently referred to as 'pockets' of generation) and has provided initial estimates to develop this potential. The lifecycle costs of hydroelectric generation were also compared to other forms of non-greenhouse gas emitting generation.

As directed, OPG consulted with various energy system partners, including the IESO, the OWA as well as relevant ministries. An initial series of parallel engagements and listening sessions were held with the support of the OWA. These sessions included Indigenous communities, equity partners, industry representatives, regulators, as well as other

stakeholders. This report outlines, by theme, what Indigenous communities indicated in terms of how they would like to participate and benefit from future developments, as well as the role and value that northern hydroelectric developments can provide as a made-in-Ontario legacy asset.

The updated estimate for hydroelectric potential in northern Ontario is 3,000 - 4,000 MW. Up to an additional 1,000 MW of potential in southern Ontario was not assessed, nor was the incremental potential associated with existing hydroelectric stations, water management infrastructure or pumped storage. All of these resources remain available to expand the system as electrification creates need.



Indigenous perspectives

Ontario is committed to consulting with Indigenous communities and honouring existing agreements related to hydroelectric development. OPG together with the OWA, engaged with Indigenous community representatives to better understand how communities themselves would define success in hydroelectric development in their regions. This included gathering insights from communities who have experience pursuing shared or full ownership in hydroelectric generating facilities, as well as those whose traditional territory encompasses some of the high potential opportunities reviewed in this report.

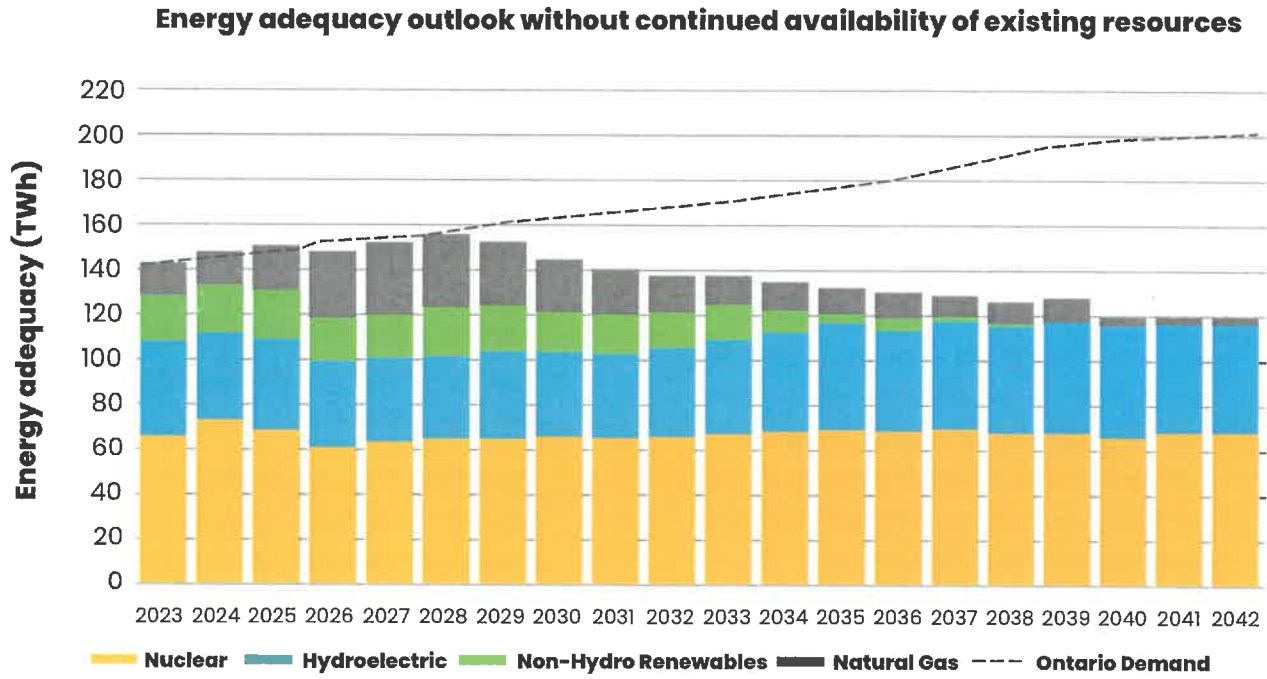
Though every community has unique needs and perspectives, the Indigenous communities OPG was able to have initial conversations with were supportive of hydroelectric development, provided it is done responsibly, there is early, meaningful participation, and community benefits that further economic and social progress. In turn, the development plans will also benefit from the connection that Indigenous partners have to the lands and rivers where these sites are located. Continued dialogue is needed as plans and policies are further developed.

Key findings

This report highlights that Ontario's untapped hydroelectric potential is becoming increasingly valuable to our electricity system. The need to electrify sectors of the Ontario economy, such as the transportation sector, and to meet demand driven by population and economic growth, will put pressure on the system beginning 2029 or sooner. By 2040, without continued availability of existing resources (renewal of expiring contracts), there could be a gap of 70 TWh, or 35%, of required energy supply, as shown in the IESO's *2021 Annual Planning Outlook* (see Figure 1.1). Hydroelectric generation can deliver significant baseload power to help fill this deficit, while also generating development opportunities in critical areas of Ontario's economy.

To estimate the potential range of costs for different sites across northern Ontario, as well as to compare hydro to other sources of non-emitting generation, 21 sites were selected in four geographic areas. A range of development sizes was selected, using sites with available cost or site condition information, potential for remote community connection and proximity to new potential roads or transmission. Of the generation sites assessed, 7 are located in provincial parks which presents significant development constraints. Many other sites have the potential for hydro

Figure 1.1: Ontario's emerging capacity gap



Peter Sutherland Sr. GS

development across northern Ontario that can be explored beyond this report.

OPG estimates the cost to develop hydroelectric generation in northern Ontario can be expected to have a wide range of \$5 - 22 M/MW, including transmission connection costs. This report further narrows that range for different geographical areas but stopped short of prioritizing or optimizing specific sites as most cost effective and viable. Further cost reduction mechanisms can be identified as part of a Hydroelectric Development Strategy. The IESO estimates that transmission system reinforcements needed to release new generation to load

centres will require an additional \$0.9 - 2.9 M/km, depending on circuit and voltage requirements (see IESO Report). Based on transmission system reinforcements already in construction, some new generation can be developed without further system reinforcement. This includes the Jackfish River Hydroelectric Project, near the East-West Tie as well as sites on the Severn/Windigo Rivers near the new Wataynikaneyap transmission line.

Hydroelectric generation rated highest in a multi-criteria assessment that compared non-emitting generation technologies, considering financial, socio-economic, environmental and technical factors. While capital-intensive to construct, hydro generation offers long-term value to Ontario's future supply mix because of its ability to stabilize the transmission network, generate revenues for the Province and benefits for Indigenous communities, provide construction employment opportunities, and avoid greenhouse gas emissions.



Note to reader:

All information is provided as high-level, preliminary estimates using readily available data. Refinement of development costs would occur over a number of years.



Recommendations and next steps

To unlock all of the potential hydropower that is needed to secure a made-in-Ontario, clean electricity system, OPG recommends the following:

1. **Take a step towards new hydroelectric generation in northwestern Ontario to meet mid-term demand by accelerating the Little Jackfish Project.**

OPG to finalize the Environmental Assessment and reinstate planning on the Little Jackfish Project, which is the most advanced hydroelectric development opportunity in northwestern Ontario. In addition, request OPG and the IESO to coordinate and develop analysis on the system value of the project while contemplating its inclusion in the Pathways to Decarbonization Report. Furthermore, request that

OPG assess the economic and ratepayer impact of the proposed project and report its findings to the Ministry of Energy.

2. **Take a step to unlock up to 1,250 MW of hydro potential in the Moose River Basin in northeastern Ontario.** Advise the Ontario government to initiate co-planning discussions with certain First Nations, using OPG as a facilitator to bring governments and industry representatives together. Moose Cree First Nation and Taykwa Tagamou Nation will advise on the best timing to proceed based on discussions with the Ontario government.
3. **Unlock hydro potential from existing assets across Ontario to meet emerging demand.** Tabulate all of the other potential hydro development, re-contracting



and redevelopment opportunities across Ontario, including refurbishments, pumped storage opportunities, and powering-up control dams. OPG, with the support of the OWA can provide this information to IESO for inclusion in its *Pathways to Decarbonization Study* to ensure that Ontario is leveraging its existing assets when defining hydropower's role in Ontario's future electricity system.

4. Build out a reliable system.

OPG, in collaboration with the OWA, Indigenous communities, Hydro One and the IESO will develop a long-term outlook and assessment that details how Ontario can effectively plan and develop transmission and hydroelectric assets in northern Ontario. This assessment will evaluate incremental

hydroelectric generation and transmission projects using metrics, such as: system value, provincial and northern Ontario demand assessments, cost-effectiveness, and market conditions. The proposed assessment will also consider potential synergies with socioeconomic initiatives, economic development opportunities, remote community development, and other provincial priorities.

Ontario Power Generation Inc.

Head Office
700 University Avenue,
Toronto, Ontario M5G 1X6
Telephone (416) 592-2555 or (877) 592-2555

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GENERATION

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tomorrow begins.

March 2023

Thank you for your continued interest in the Nuclear Waste Management Organization (NWMO).

I am pleased to inform you that our **2020-22 triennial report** is now available online. This report also includes our **2023-27 implementation plan**, the NWMO's five-year strategic plan.

Following our commitment to continually adapt and improve accessibility, this year we have developed an integrated digital experience that includes videos, animations, a search function and more.

| | | |
|---|--|---|
| <p>Our 2020-22 triennial report looks at what we have accomplished over the past three years.</p>  | <p>Our 2023-27 implementation plan looks at where we are going.</p>  | <p>Our implementation plan is shaped by public input.</p>  |
|---|--|---|

Survey open until June 9, 2023

Printed copies are available upon request.

The NWMO is responsible for implementing Canada's plan for the safe, long-term management of used nuclear fuel in a manner that protects people and the environment for generations to come.

Over the past three years, despite the challenges posed by the COVID-19 pandemic, we maintained momentum by advancing our technical studies, building awareness through social engagement, collaborating with the potential host communities remaining in our site selection process and continuing our journey towards Reconciliation.

The work we are conducting today is laying the foundation for a transition to a new series of activities over the next five years. We are now approaching a significant milestone – we expect to select a site in 2024. Once a preferred site is selected, we will initiate the regulatory decision-making process, construct a Centre of Expertise and begin to transition our operations to the site.

Our implementation plan is a living document that is regularly assessed and strengthened to reflect direction and guidance from communities, advances in science and technology, insights from Indigenous Knowledge, changes in societal values and evolving public policy. We invite you to share your thoughts about the implementation plan by **June 9, 2023**, through the online survey.

Canada's plan is your plan. Your feedback is essential to our work. We encourage you to get involved.

Sincerely,

A handwritten signature in black ink, appearing to read "Laurie Swami". The signature is fluid and cursive, with a small flourish at the end.

Laurie Swami
President and CEO



Representing the Districts of Kenora, Rainy River and Thunder Bay
P.O. Box 10308, Thunder Bay, ON P7B 6T5
www.noma.on.ca
p. 807.683.6662 e. admin@noma.on.ca

April 04, 2023

Attention: Mayor and Council

NOMA Board Meeting Summary Report for March 22, 2023

Northern Ontario Transportation Task Force: All meetings and draft reports are completed, and the final report is currently being circulated to the Board and will go to Minister shortly. Upon Minister review, it will be available to everyone. Confirmed all drivers training in western Canada is consistent. However, Ontario and all to the east provinces are not consistent. Requested consultation with Northwestern Ontario specifically. Discussed a number of issues including road closures and the need for truck training in all conditions. NOMA is creating a database of videos showcasing Northern Ontario Road conditions and driving incidents to help people understanding what roads are like here. **Please submit any videos to Andrea Strawson.**

NOMA Conference: Have 183 registered. All municipalities represented except SNNF. An up-to-date agenda is available on the NOMA website and attached to email. We have all presenters and 28 exhibitors confirmed.

***Please contact Andrea Strawson if your municipality would like to donate a prize to the NOMA conference.**

OGRA Advocacy Issues: Scott Butler provided presentation. Rural and Northern road safety are overexposed to fatalities, and he outlined ways to rectify this. He discussed Road safety auditing process to determine the needs. This will be first road safety auditing guidelines for all roads in Ontario. Looking to develop 3-year pilot program. This program has seen an 80% reduction in fatalities after implementation in other areas.

MLITSD - Service System Managers: Fern Dominelli and Michelle Boileau made a presentation on employment service transformation. The funding will be changing Jan 1, 2025, and Northwestern Ontario is estimated to lose \$2,046,000. This change will result in Northern Ontario having only 2 service managers and only 15 across the province. This will not work in Northwestern Ontario. NOMA will send a letter to Minister Monte McNaughton and PA Holland.

Caribou: Caribou Roundtable session at Lakehead University announced \$29 million in funding for caribou conservation. Minister Picinni informed us he will be back in April to Thunder Bay for further discussions and he will invite Guilbeault to join. NOMA will send letter to Minister Guilbeault to express our concerns and encourage a range boundary review.

NOMA adopted resolution 2023-01: A Call to Provincial government to End Homelessness in Ontario. **NOMA requests municipalities support this resolution and send to government.**

Rapid Housing Initiative issues impacting Northwestern Ontario: Discovered through this initiative that Northwestern Ontario municipalities are no longer considered the North. Therefore, municipalities automatically lose 25% marks on application meaning they are only able to secure 75% max with a perfect application. This will significantly affect housing initiatives moving forward in our region. The North is now defined as northern Canada (Yukon etc.) or indigenous communities in Northern Ontario. NOMA will send letter to CMHC, MMAH, Federal government, Local MPs, and all municipalities to advocate on this issue. **NOMA requests municipalities to pass resolution and send to government.**

Black Ash Recovery: NOMA will investigate the plan created by the provincial government.

Policy Amendment: Policy A004: Travelling and the payment of expenses was amended. A notable change is mileage rate when travelling by vehicle was increased to \$.68/km.

Proposed Amendments to Ontario Professional Geoscientists Act: NOMA will send letter of support of proposed changes.

Amendments to the Mining Act: NOMA is concerned over the proposed amendments to the Mining Act, specifically giving ultimate power to the Minister. We have faith in the current Minister of Mines, but we may not have the same feelings towards the next minister. In the North, the issue is the IESO not getting electricity to the mines and the delivery fees they charge and not the EA. NOMA will comment on ERO posting and send to Minister outlining our concerns.

Municipal Association/League Updates:

TBDML – AGM March 23, 2023.

KDMA – Their AGM will take place April 25th. Turnover rate high for region.

RRDMA – Doug Hartnell to replace Deb Ewald as RRDMA President. Lisa Teeple is new representative.

Executive Director Report:

- NOMA, FONOM, NOSDA will continue to partner with NPI to complete a 3rd research paper looking into 3 more recommended strategies to address Mental Health, Addictions, and Homelessness in Northern Ontario.
- NOMA met with Ministers at ROMA to discuss Railway, Crown land for housing, immigration pilot program, and Northern Ontario Road Safety, Management, and rest stops. Government committed to conducting consultation with municipalities on railway costs and making the immigration pilot program permanent and expanding the program. We also participated in joint meeting with FONOM and NOSDA on mental health, addiction, and homelessness.
- Submitted pre-budget responses to both provincial and federal budgets.
- The proposed boundary changes from the Federal boundaries commission meeting were amended and Northwestern Ontario retained our seats.
- Floating Accommodation Regulation meeting. As a result of the consultation the government amended the regulation to remove the change from 21 to 7 days allowed camping and point regarding making camping on water rules the same as on public lands among others.
- Nominations for President and VP to be accepted until April 20, 2023, at 9am. Nominations received from Wendy Landry and Fred Mota for current positions.
- NOMA president will attend OFIA and FONOM conferences.

- NOMA will be hosting our 3rd Learning Morning tentatively on May 31st (EST) via zoom.
- NOHFC approved \$35,000 intern application and a job ad has been posted on Indeed, LinkedIn, Lakehead University, and Confederation College. Applications will be accepted until April 28th with an expected start date of June 5th, 2023.
- Current funding/grant opportunities updated on NOMA website under Resource tab.

Issue Tracker Updates:

NWMO: Next meeting is April 20, 2023. in Toronto.

Railway: Minister committed to consult with municipalities and review the funding formula.

NOSM: Physician/Nursing Recruitment: Nurses (RN, RPN, Burse Practitioners) are resigning and going to contractors as they are making twice as much money.

Energy – Jim Vezina continues discussions on priorities related to electrification (challenges and opportunities), core need for energy planning and use of new energy technologies, info on gaps and opportunities to reduce gaps and increase coordination, examples of challenges and successes using immerging technologies.

The next NOMA Board meeting will take place on April 25, 2023, in Thunder Bay.

Please contact me at any time if you wish to discuss any NOMA matters.

Sincerely,



Andrea Strawson
Executive Director of NOMA
(807) 683-6662
admin@noma.on.ca

2023 NOMA Annual Meeting & Conference Agenda

Wednesday, April 26, 2023, Location: Victoria Inn

Registration will open for 30 minutes prior to field trip for those attending (9-9:30am)

9:30am-12pm *Field Trip to Lakehead University to discuss sustainability and see new LEED-certified building*

12:00 pm **Registration Opens & Lunch to be provided**

1:00 pm (EST) **Conference Welcome & Opening Remarks**

Call to Order

Bag Pipes played by Peter McDonald (invited)

Drumming Group

O'Canada sung by Laura Baniele

Greetings from Mayor Wendy Landry, NOMA President

Roll Call

Greeting from the City of Thunder Bay – Mayor Ken Boshcoff

Greeting from Fort William First Nations – Acting Chief Michelle Solomon

Greeting from ROMA – Mayor Robin Jones, President

Greeting from FONOM - Councillor Danny Whalen, President

1:30 pm **Leader Addresses**

Marit Stiles, Leader of NDP

Stephen Bias, MPP of Ontario Liberal Party

Mike Schreiner, Leader of Green Party

Sol Mamakwa Deputy Leader of NDP

2:10 pm **AMO Update** Presented by: Colin Best, AMO President & Brian Rosborough, Executive Director

2:40 pm **MPAC Update** Presented by: TBD

3:10 pm

Health Break

3:25pm

Lessons from Leaders – Panel Discussion: moderated by Mark Figliomeni, CAO of Red Rock

Presented by: Mayor Wendy Landry - President of NOMA, Mayor Fred Mota - VP NOMA, Mayor

Rick Dumas – Town of Marathon, Norm Gale - City Manager of Thunder Bay, Councillor Kristen

Oliver – City of Thunder Bay, Councillor Wendy Brunetta – Town of Fort Frances

4:00 pm

Lessons from Leaders Continued – Open Discussion

4:15 pm

Building Relationships with your Indigenous Neighbours

Presented by: Mayor Wendy Landry – Chair of AMO Indigenous Task Force, Michelle Solomon –

Acting Chief of Fort William First Nations, Rob McGinnis – Chief of Rainy River First Nations, and

Mike Pelletier of Fort William First Nations moderated by Mayor Fred Mota of Red Lake

4:55 pm

Stretch

NOMA Annual General Meeting (77th)

5:00-5:45

1. Call to Order

pm (EST)

2. Approval of minutes of 76th Annual General meeting

3. Approval to receive the Presidents Report

4. Approval of Auditors Report & 2022 Financial Statements

5. Appointment of Auditors for 2023

6. Approval of 2023 Operating Estimates

7. Business Transacted

8. Election Results

9. Resolutions Committee

10. Adjournment

6-8 pm

Opening Reception and Trade Show

Join your colleagues for networking, appetizers, and a cash bar. Be sure to visit the exhibitors who have registered for the 2023 conference.

Thursday, April 27, 2023: Victoria Inn

(EST) 7:30 am to 5:00 pm Registration & Expo

- 7:45 am **Buffet Breakfast & Exhibitor Booth**
- 8:30 am **Highlighting the benefits of group purchasing for Ontario Municipalities**
Presented by: Simon McLinden, Client Relations Manager, Canoe Procurement Group of Canada
- 8:50 am **Claims Drive Premiums – What we are seeing as we enter 2023**
Presented by: Jess Jaremchuk, Intact Public Entities
- 9:05 am **Keynote: 13 Ways to Kill a community**
Presented by: Doug Griffiths
- 9:50 am **Coffee Break with Exhibitors**
- 10:20 am **Keynote: Municipal Optics – Role of Elected Officials**
Presented by: Dr. Peter Constantinou
- 11:05 am **Ontario's Forestry Industry: Transforming the Future**
Presented by: Ian Dunn, President and CEO, Ontario Forestry Industry Association
- 11:35 am **Lunch with Dr. Peter Constantinou & Exhibitor Booths**
- 12:50 pm **Cyber Governance Strategies for Mayor and Councillor's**
Presented by: Kush Sharma, Director Municipal Modernization & Partnerships Municipal Information Systems Association
- 1:10 pm **Northern Ontario Hydroelectric Opportunities Report**
Presented by: Heather Brown, Director, Business Development, Ontario Power Generation
- 1:25pm **Municipal Risk Management and AMO LAS**
Presented by: Shannon Devane, Program Manager – Municipal Risk Management, AMO Stretch
- 1:45 pm **Northwestern Ontario's Energy Future**
Presented by: Ahmed Maria, Director of Transmission Planning & Nicole Hopper, Manager of Transmission Planning, IESO
- 2:15 pm **Keynote: The Public Realm: Planning and Public Health: How Public Health Intersects with Municipal Planning**
Presented by: Loretta Ryan Executive Director, Association of Local Public Health Agencies (ALPHA) & Dan Nicholson Manager, Community Planning, Planning Division at City of Toronto
- 3:00 pm **Hydro One Energizing Life in Ontario**
Presented by: TBD
- 3:15 pm **Exhibitor Booth Break**
- 3:45 pm **TC Energy Update**
Presented by: TBD, TC Energy
- 4:00 pm **Meeting Future Energy Needs with Natural Gas**
Presented by: Jim Sanders, Enbridge Gas Inc.
- 4:25 pm **NWMO Update**
Presented by: Joanne Jacyk, Site Director – Ignace, Nuclear Waste Management Organization
- 4:40 pm **Prize Wheel (must be present to win)**
- 5-6 pm **Break – Mackinley 5:45-6pm**
- 6-7:30pm **Gala Dinner - Mackinley 6:45-7:30pm**
- 7:30- **Mackinley Delusions Final Act**
- 8:30pm

Friday, April 28, 2023 Location: Victoria Inn

7:45 am (EST)

Buffet Breakfast

8:30 am

Activity in the Labour Market: Research, Strategies, and Initiatives

Presented by: Gary Christian, Executive Director, North Superior Workforce Planning Board

9:00 am

Homelessness, Addiction, and Mental Health Revisited Findings

Presented by: Mercedes Labelle, Northern Policy Institute

9:30 am

Student Intern Success

Presented by: Keirha Skworchinski and Olli Zelek, Student Interns, Town of Marathon

9:40 am

From Highways to Habitats: The Imminent Threat of Invasive Phragmites to Northern Ontario Municipalities

Presented by: Eric Cleland, Director - Invasive Species Program, Ontario Region, Nature Conservancy of Canada

9:55 am

Health Break

10:15 am

MP Marcus Powlowski – Thunder Bay-Rainy River

10:20 am

MP Patty Hajdu – Thunder Bay-Superior North

10:25 am

MP Eric Melillo – Kenora

10:30 am

MPP Lise Vaugeois - Thunder Bay-Superior

10:35 am

MPP Kevin Holland – Thunder Bay-Atikokan & PA to Minister of Northern Development & Minister of Indigenous Affairs

10:40am

Hon. Greg Rickford, Minister of Northern Development & Minister of Indigenous Affairs

10:50 am

Hon. Steve Clark, Minister of Municipal Affairs & Housing

11:00 am

Minister Forum

Hon. Steve Clark, Minister of Municipal Affairs & Housing

Hon. Greg Rickford, Minister of Northern Development & Minister of Indigenous Affairs

Hon. Kinga Surma, Minister of Infrastructure

Hon. Graydon Smith, Minister of Natural Resources & Forestry

Hon. George Pirie, Minister of Mines

Hon. Stan Cho, Associate Minister of Transportation

Hon. Michael Tibollo, Associate Minister of Mental Health & Addictions

12:00pm (EST)

End of conference – take home lunch



Red Rock Fish and Game Club

PO Box 206
2 Park Road
Red Rock Ontario P0T 2P0

Dear Mayor Robinson and Council Members,

The Red Rock Fish and Game Club is looking forward to our 24th Annual Trout Derby June 2nd-4th, 2023.

This derby has attracted hundreds of anglers and their families to our community since 1996 and serves as a major fundraiser for the club. We anticipate another great turn out after several years without hosting the derby due to COVID19.

In April 2010, the Annual Trout Derby was declared a sanctioned community event by the Township of Red Rock. In keeping with this support and previous township donations for this derby, we are writing to request free camping and boat launching for registered anglers. We are also requesting that boat slips for the weekend be available for registered anglers to purchase should they wish to keep their boats in the water overnight. These requests are in keeping with donations made in 2019 and derbies previous to that.

Thank you for your consideration of this request. We look forward to hearing from you soon.

Sincerely,


Shirley Jean 807-887-4095
Treasurer

Red Rock Fish and Game Club

April 4th, 2023

Township of Red Rock
42 Salls Street
Red Rock (ON)
P0T 2P0

Subject: Canadian Pacific 2023 Vegetation Control Program

Dear Madam:

Dear Sir:

Please be advised that Canadian Pacific Railway (CP) will be carrying out its 2023 annual vegetation control program within your city limits. This program will be confined to CP's right-of-way, part of this program will consist of grass and weed control using herbicides on the ballast (gravelled section) and the second part (if needed) will take care of the brush on selected rail lines. The rail ballast portion of the program will take place within your municipality between May 10 and August 31st, as for the brush control, if needed, will be between May 10 and August 31st. Some manual brush control involving stump treatment may occur from May 10 until December 15.

This program is necessary to eliminate brush and weeds which constitute a hazard to the public and to CP's employees as well. If left uncontrolled, vegetation contributes to trackside fires, impairs visibility of train signals, impairs sight lines at railway crossings, impairs proper inspection of track infrastructure, etc. This is all in accordance with Ontario *Regulation 63/09*, which grants public works the right to use herbicides when it comes to the safety of their infrastructure. All applications will be carried out by qualified operators in conformity with current federal and provincial regulations. This program will also be subject to all habitation and aquatic setbacks listed on the products' label. All herbicides are registered under the PMRA and they are all biodegradable.

We invite you to visit CP's web site at www.cpr.ca, where a detailed schedule of our vegetation control operations is posted. To find the schedule move your cursor over "Community" (just above the main banner), a drop-down menu will open and then select the item "Living Near the Railway". Once on that page, scroll down until you see "Vegetation Management" and then click on the "Learn More" button. Then, among the items listed on the far left of the screen, click on "Ontario vegetation control" to see the link to the actual schedule (a pdf document). You can also use the following address <http://www.cpr.ca/en/community/living-near-the-railway/ontario-spray-schedules> with your browser.

We also have a 24/7 service called Community Connect dedicated in providing answers to any question related to CP's railway operations. You can send them an online form by visiting <https://www.cpr.ca/en/contact-us/community-connect-form> on CP's website. You can find the form by simply scrolling down the Community Connect webpage and under "Send Us a Note" click on "Fill out this form".

We invite you to communicate this information to your citizens as well. We would like also to take this opportunity to remind you that, as per Transport Canada "*Railway Safety Act*", it is illegal to be on any railway property without lawful authorization.

Yours truly,

A handwritten signature in black ink, appearing to read "Geoff Gordon", written in a cursive style.

Geoff Gordon
Vegetation Management Specialist
Canadian Pacific

c.c.: Ministry of the Environment and Climate Change of Ontario

A Superior Adventure



DORION
Public Library

Simone Marchand
Dorion Public Library
170 Dorion Loop Road
Dorion, ON, P0T 1K0

dorlib@tbaytel.net
www.dorion.olsn.ca

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Nancy Carrier

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rrocklib@gmail.com
www.olsn.ca/redrock

Ph / Fx: 807-886-2558



Sumiye Sugawara
Nipigon Public Library
Box 728, 52 Front Street.,
Nipigon, Ontario, P0T 2J0

NipigonPL@gmail.com
www.nipigon.net

Ph / Fx: 807-887-3142

April 10, 2023.

Council of Red Rock,

Thank you very much for supporting our fifth (5th) — *A Superior Adventure*, summer library program. We hope that you will consider sponsoring our sixth—2023 *A Superior Adventure* program, running from May 1 to August 31.

There were three monthly—May / July / August, photo challenges. June had three weekly step counting challenges. The goal of the program is to promote healthy communities and to promote local outdoor sites and trails. However, the May, July and August challenges allow for accessibility photo options.

Your 2022 donation contributed to our \$1,040 in total goods and gift certificates. We had one prize for each of the six challenges and one overall random winner from 121 entries.

This event was mentioned on CFNO radio throughout the summer. Sponsors were listed in our brochure and pointed out to participants. Brochures were posted to Facebook, websites, handed out, and enlarged and posted outside.

Some of the positive 2022 comments include:

New Local Area Knowledge Gained / Learned

- My [grade school] child introduced me to the Nipigon Bald Spot.
- The scenery is just as good as that in Europe.

Comments

- I am looking forward to next year's challenges.
- I like that the photo challenges are not competitive.
- This was a fun program. It motivated us to show our friends our favourite places around home.

Please consider sponsoring our sixth A Superior Adventure program, running from May 1 to August 31, 2023. Contact us by April 27 to be in our brochure.

Our sincere thanks for your support of our local public libraries,
Sumiye Sugawara, Nancy Carrier, Simone Marchand.



**The Corporation of the Township of Red Rock
Public Works Dept. Report**

Date: April 17th, 2023
To: Mayor and Council
Subject: Public Works Dept. Council Report
Submitted by: Blair Westerman - Director of Operations

BACKGROUND:

TIME PERIOD: March 21st to April 17th, 2023

DISCUSSION:

This report is for information only and provides Council with an update on the activities within the following departments: Water Distribution, Wastewater Collection, Recreation Center, Marina & Public Works.

Please feel free to ask any questions that you may have.

SUMMARY OF ACTIVITY:

Water Distribution:

1. During the last round of fire hydrant checks, Hydrant #6 was found leaking from a cracked barrel. PW staff have taken measures to best manage the leak for now until work can be performed to replace the hydrant. The Fire Dept. has been notified of the situation.
2. Winter Hydrant Checks will be completed for April before the end of the month.

Wastewater Collection:

1. Pumps at both Lift Stations had to be pulled to remove blockages after several alarms were received during the final week of March. The pump at Lift Station #1 had to be pulled again on April 12th.
2. Preparations continue from Hatch for the proposed lift station upgrades. The Director of Operations has been assisting with details to help promote finalizing the design phase.

Recreation Center:

1. A tentative target date has been established for the end of May for Cimco to begin ice plant repair work for upgrades needed to restore the plant back to a safe

operational condition. The goal is to have this work completed before contractors begin work for the Rec Center Rehabilitation Project.

2. The lobby washrooms have been temporarily closed for use until a drainage issue can be resolved. PW are currently working on the issue. The public is being directed to the Curling Club wing for washrooms in the meantime.
3. PW was able to repair a minor leak on a hot water supply line in the facility's Ice Plant Room.
4. Staff have been dealing with some roof leaks in the Curling Club wing of the facility as the spring melt is progressing. Staff are monitoring other areas of the building that typically are an issue for leaks during Spring melt conditions, so far these areas have been good.
5. A contractor was used to remove the bulk of the snow accumulation on the roof over the dressing room wing at the south end of arena. The circumstances were such that machinery was necessary to reduce the weight of snow over this section of roof.
6. An electrical contractor was used to replace fan motors in 2 lobby heaters over this reporting period. The work was inspected by an ESA Inspector.

Marina Center & Park:

1. Shaw Cable has now installed 2 of 3 new Wi-Fi hubs within the Marina Center Building, they will be returning to complete the set up of the 3rd hub the week of April 10th. An outside technician has been asked to re-establish a new IP Address for the purpose of running the building's maintenance program, because of the change with the internet provider.
2. PW continues to open up additional roadways from snow within Marina Park on a priority basis.

General:

1. Public Works has worked primarily on managing streets, sidewalks and rural roads according to the varying weather conditions over the last while. The Department will be focusing on drainage and pothole repairs in the upcoming weeks.
2. Work to repair some deficiencies for the recently purchased backhoe have begun from Brandt Tractor. The bulk of these repairs are being covered under warranty, and were noted at the time of purchase. The work has been prolonged because of wait time on parts.
3. The 2017 Chevy 1 Ton has been looked at to correct a DEF system code error that has been reoccurring. Troubleshooting steps were taken to help diagnose the issue, so far, the DEF error has not returned.
4. Brake and some other minor repairs have been made to the 2012 Ford Ranger. The truck is scheduled to have an ABS fault looked at next.
5. Some repairs were made on the 2011 International Garbage Truck, including a leaking lift cylinder on the compactor and a wiper transmission.
6. An electrical contractor was used to install new light fixtures over Fire Hall bay doors and also on the north side of the Public Works Building. The contractor also addressed some minor work at the Rec Center and Marina Building at this time, including replacement of damaged electrical outlets and a lighting timer box.

7. New kitchen cabinets, sink and hardware have now been installed in the PW lunchroom.
8. The last Dept. Safety Meeting that was scheduled for March 30th for Vehicle Safety Checks had to be cancelled due to road maintenance for winter storm conditions. This topic will be covered in the next safety meeting at the end of April.
One safety meeting has already been conducted this month to test run standby power for fuel pumps at the PW Dept.

Blair Westerman

Submitted by _____



Approved by: _____

**The Corporation of the Township of Red Rock
-- Report**

Date: April 9, 2023
To: Mayor and Council
Subject: Chief Fire Official Report
Submitted by: Ryan Pitre Chief Fire Official

BACKGROUND:

January 1, 2023 – April 1, 2023

DISCUSSION:

This report is for information only and provides Council with an update on the activities within the office of Chief Fire Official.

Please feel free to ask any questions that you may have and reach out at any time.

SUMMARY OF ACTIVITY:

- * Mail, Email and Phone Calls.
- * Vehicle/Equipment and hall monthly maintenance.
- *Monitoring the weekly Duty Crew and making sure all equipment is in good working order and ready to go at all times.
- *Continue working on the Mandatory Training requirement.
- *Completed the Legacy process for members of the Fire Dept for their certification that came into effect Jan 2023, now organizing the document that maybe requested to verify there training over the years.
- *Setting up a training schedule for the Fire Dept to meet all the requirements.
- *Continue conversations with my OFMEM Advisor regarding the new mandatory requirements for the Fire Dept.
- *Confirmed that the Red Rock Fire Dept will be hosting the NFPA 1002 Pump Operation course in July 7-9 & July 15-16 at the Red Rock Fire Hall.
- *Organizing a full day of Auto Extrication training at the Red Rock Fire Hall and will be inviting all Fire Dept's in our Zone.
- *Working on trying to set up an Advance Auto Extrication course at the Red Rock Fire Hall in the fall.
- *The Red Rock Fire Dept received a grant in the amount of 1012.44 from the Fire Marshall Public Fire Safety Council, these funds went towards training material for the Fire Dept.
- *Submitted a grant application to TransCanada Energy for funding to assist with the purchase of equipment needed in the fire service, waiting on reply if the grant is accepted.

***The members of the Fire Dept had a meet and greet with our Council Rep Mickel Smith**

***Attended the Boots on the Ground event in Nipigon with 6 other Red Rock Fire Dept members**

***Virtually attended the All Chiefs Town Hall meeting held by the OFMEM**

***Discussion on Municipal profiles, Ontario Fire Code, Fire fighter Certification, Fire Protection in Unincorporated Municipality's.**

***Working on updating all Fire Dept Operational Guidelines and implementing new guideline to pertain to the Fire Service in Red Rock**

***Enbridge held a media event in Red Rock as part of the Project Zero grant we received, in attendance were Joe Begg (Enbridge), Mayor Robinson, CAO Figliomeni, Councillor Smith, Samantha Cameron Fire Prevention Officer, Ryan Pitre Chief Fire Official, and several members of the Red Rock Fire Dept**

***Submitted application for service medals for members that have 20yrs of service on the Fire Dept.**

***Update the Fire Dept Pre-Plan Binder**

**Chief Fire Official Hour as of April 1, 2023
168**

MONTHLY TRAINING:

**January 9, 2023
Team Building**

**January 16, 2023
SCBA**

**February 6, 2023
Ladders**

**February 20, 2023
Compartment Drill**

**March 6, 2023
PPE**

**March 20, 2023
Search & Rescue**

Call Outs

**January 10, 2023
Mutual Aid MVC/Vehicle Fire**

**January 31, 2023
Vehicle Fire**

**February 2, 2023
MVA**

March 16, 2023
MVA

March 17, 2023
Ambulance Assist

March 18, 2023
Carbon Monoxide Call

March 18, 2023
MVA

March 29, 2023
MVA

Total Calls to Date 8

DIRECTION / DISCUSSION / UPDATES:

Verbal update will be provided.

RECOMENDATIONS

***Chief, Deputy and Officers recommend Justin Olson be appointed probationary Firefighter.**

***Chief, Deputy Chief and Officers recommend that Tyler Lafleur be promoted to Firefighter as he has completed the JR Firefighter program.**

ATTACHMENTS:

N/A



Ryan Pitre

Submitted by

A handwritten signature in black ink, appearing to be "Ryan Pitre", written over a horizontal line.

Approved by:

**The Corporation of the Township of Red Rock
Community Development Office Report**

Date: April 17, 2023
To: Mayor and Council
Subject: Community Development Officer Council Report
Submitted by: Ashley Davis, Community Development Officer

BACKGROUND:

March 16, 2023 – April 17, 2023

DISCUSSION:

This report is for information only and provides Council with an update on the activities within the office of Community Development Officer.

Please feel free to ask any questions that you may have.

SUMMARY OF ACTIVITY:

- 1) Taking the Sustainable Northern Ontario Economic Development course through the Northern Policy Institute and the University of Waterloo. Course takes place every Thursday from February 23 – May 11, 2023.
- 2) ICIP Culture – Recreation Centre Rehabilitation Project – continue discussions with engineers. Scope change request submitted, approved at the provincial level, waiting on federal approval for descoping. Moving ahead with the tender process for the general contractor and bowling alley suppliers.
- 3) Active Transportation Fund – Startup meeting with R.J. Burnside held on March 27, 2023.
- 4) Community Interpretation Plan – initial conversation with potential funders, partners and determining potential project scope and cost. Funding amounts confirmed, waiting on contribution agreements, RFP draft prepared and ready for release once final logistics are agreed upon with funders.
- 5) Coordinate Community Safety and Wellbeing Session 2 for April 18-19.
- 6) Interactive Floor Map at Interpretive Centre – hardware installation complete, calibration complete, final adjustments being made to graphics. Can now be viewed and interacted with. New images can be used for private events if desired.
- 7) ICIP Green – Brompton, Stadler, Frost, Newton Water and Wastewater Rehabilitation and Replacement Project – revision request made for the manhole/sinkhole at the corner of Stadler Ave. and Rouse St. As work to be done fits in with original project description, do not foresee any issues. Cost anticipated to be \$140,000 plus HST, and still within overall project budget. Deficiencies to be completed this spring.

- 8) Continued communication and collaboration with local and regional organizations for partnership opportunities, provide input and stakeholder relations.
- 9) Review previous reports for supporting documentation for current and future funding opportunities and attend webinars and information sessions on current funding opportunities to determine eligibility and feasibility (if the Township has the required data or reports demonstrating need for projects)
- 10) Continuing to prepare documentation, research various component costs for projects and RFP's, provide status reports to funders, submit claims to funders for expenses related to projects, monitor project timelines and budgets and final reporting to funders for completed projects.

MONITORING SITUATIONS:

- 1) ICIP COVID Resiliency – Recreation Centre Roof
- 2) Strategic Plan Implementation
- 3) Golden Club Van
- 4) Red Rock Historical Society application – providing support as needed.
- 5) Cruise Ship Readiness
- 6) OTF Capital stream application opening date – for playground

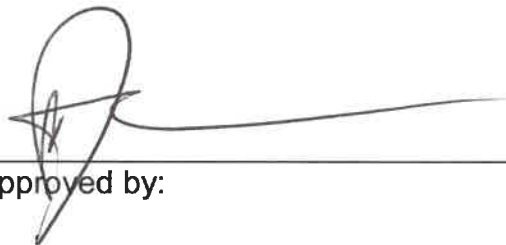
DIRECTION / DISCUSSION / UPDATES:

- 1) Recommendation from JML for Bowling Alley upgrades

ATTACHMENTS:

- A) Recommendation for award of Bowling Alley Upgrades

Ashley Davis
Submitted by _____


Approved by: _____

**The Corporation of the Township of Red Rock
Administrative Report**

Date: April 17th, 2023
To: Mayor and Council
Subject: CAO/Clerk/Treasurer Activity Report
Submitted by: Mark Figliomeni – CAO/Clerk/Treasurer

BACKGROUND:

April 4th, 2023 – April 17th, 2023

DISCUSSION:

This report is for information only and provides Council with an update on the activities within Administration & the office of the CAO/Clerk/Treasurer.

Please feel free to ask any questions that you may have and reach out at any time.

SUMMARY OF ACTIVITY:

**Final Audit 2022 – April 10th -14th 2023 – BDO in Red Rock
Day to Day Operations- General Discussions & Meetings
Bi-Weekly Internal Staff / Team Meetings / Discussions
Budget 2023 – Planning
Insurance Renewal Process – 2023 Renewal
Discussions – EMS Consultation Process**

This is a summary of some of the activity within Administration & the Office of the CAO/Clerk/Treasurer. We continue to build and grow as a Team and as a Community that is striving to move forward. This is our major focus and ultimately part of our overall vision for Red Rock both now and in the future.

ATTACHMENTS:

(1) Recreation Report

MONITORING SITUATIONS:

***Continue to set internal policies and procedures based on overall best practice within the Municipal Act.**

DIRECTION / DISCUSSION / UPDATES:

Verbal update will be provided by the CAO if required or requested.

- 1. EMS Process – Red Rock – Update**
- 2. Strategic Plan Process – CDO Report**
- 3. Schedule Budget Meeting –Update**
- 4. Facility Tour & Education Session – Update**

Mark Figliomeni, CAO/Clerk Treasurer

**The Corporation of the Township of Red Rock
Recreation Program Coordinator Intern Report**

Date: April 17, 2023
To: Mayor and Council
Subject: Recreation Program Coordinator Intern Report
Submitted by: Braeden Plemel

BACKGROUND:

March 20th, 2023 – April 17th, 2023

DISCUSSION:

This report is for information only and provides Council with an update on the activities within the office of Recreation.

Any questions can be asked through the CAO and reported back to Council.

SUMMARY OF ACTIVITY:

Ice fishing festival was a success despite the weather causing some cancelations. A few of the events included Youth Fun Days, Family movie feature, Rock painting, Bowling bingo, Red Rock legion breakfast and the RRFD junior Firefighter challenge. A big thank you goes out to our sponsors. .

Badminton is still running strong we have extended the date until the middle of June.

Pickleball has moved up to the high school until the middle of June. Tuesdays and Thursdays from 6:30-9pm

Started planning for seniors month with the Library.

Cornhole has been rescheduled for May 6th, 2023 we had 50 sign up to play in the tournament. Thank you to the Thunder Bay cornhole league for hosting this event.

Planning a paint night. Hoping to have Traccy Barry from Schreiber ON to come show her talent.

Working with Dilico to provide a township table at their Children's Mental Health Day BBQ May 4th, 2023.

Assisted the Red Rock legion with donating our popcorn machine for their Family Rave that was held on April 7th, 2023.

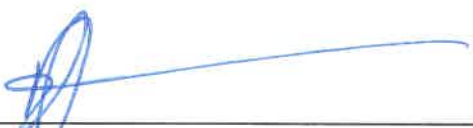
Youth bowling had a successful season with 14 participants. We ended off the season with a pizza party.

VON seniors exercise class has been extended through the summer months.

Minutes from the fitness center meeting held on March 10th were shared with the CAO for further discussion. Thank you to all the members that attended the meeting.

Braeden Plemel

Submitted by



Approved by:



THE CORPORATION OF THE TOWNSHIP OF RED ROCK

COUNCIL ADVISORY COMMITTEES TERMS OF REFERENCE

1.0 BACKGROUND

The Township of Red Rock is committed to being an engaged, connected and innovative community, Committee volunteers play a significant role in building a strong vibrant community that honours our heritage and celebrates diversity.

2.0 GOAL

To provide advice, information and recommendations to Council through the office of the Chief Administrative Officer (CAO/Clerk) and the citizens of the Township of Red Rock on matters associated with the Committee.

3.0 PRINCIPLES

Principles that guide all Council Committees include:

- A commitment to enhancing the quality of life for all residents
- A commitment to collaboration and partnership to achieve common objectives

4.0 COMMITTEE APPOINTMENTS

The term of all committees corresponds with the term of Council and shall be appointed at the beginning of each term. Council may appoint new Committee members during an active term as required. Eligible Committee members shall be:

- A resident, tenant or owner of land in the Township of Red Rock, or the spouse of such owner or tenant
- 18 years of age or older

Committees shall consist of no fewer than five members, and shall not exceed ten members. A maximum of two Council Members are appointed to each committee.

- 4.1** A Chairperson will be elected by majority vote among the members at the first meeting of every term. The Chair or Council representatives will be expected to be available to make presentations to Council at the request of the Chief Administrative Officer (CAO).

- 4.2 All members will be expected to devote some time between meetings to work on matters before the Committee (including the appointed Council member).
- 4.3 In the absence of the Chair, the quorum will appoint, from its members, a Chair for that particular meeting, who shall be subject to all normal responsibilities and privileges assigned thereto.
- 4.4 By majority vote, Council Committees may recommend removal and/or replacement of any member who misses three consecutive full meetings of the Committee, subject to circumstances surrounding the absences. Members requesting a temporary leave of absence or intending to resign from the Committee should provide written notification to the Chair 30 days prior to such action.
- 4.5 If at any time Committee size drops below five (5) members, the Council through the office of the Chief Administrative Officer (CAO/Clerk) shall appoint an appropriate number of additional members as deemed necessary.
- 4.6 In considering new appointments to the Committee, Council may select members from any remaining names put forward from the start of the term. Council may also wish to advertise for new names from time to time, in accordance with current municipal procedures.
- 4.7 Members will be expected to be aware of relevant municipal policies, programs and other initiatives in carrying out their activities. To assist in this regard, the Committee may, from time to time, request the Chief Administrative Officer (CAO/Clerk) to make staff and/or Town consultants available to advise the Committee as deemed appropriate by the CAO.

5.0 REPORTING

- 5.1 All Council Committees established by Council are in accordance with these adopted Terms of Reference. Committee members are bound by these Terms of Reference, and responsible to Council through the Chief Administrative Officer.
- 5.2 Council Committees report directly to Council through the office of the Chief Administrative Officer (CAO/Clerk), under the signature of the Chair or designate. Minutes, reports and communications will normally be directed to the CAO and in the absence of the CAO, directed through the Deputy Clerk to Council. The Committee Chair may be present at Council meetings when reports are being considered.
- 5.3 Council Committees shall keep proper minutes and records of every meeting and provide Council with a copy of same, through the CAO/ Clerk's office. Minutes will be

produced by an appointed Township employee/representative.

6.0 OPERATING BUDGETS

6.1 The Committee, from time to time, may submit special project funding requests.

6.2 Committee members will receive no remuneration for their involvement in Committee activities. An exception to this clause may be granted by resolution of Council if so requested by the Committee.

7.0 CONFLICT OF INTEREST

7.1 Members having a conflict of interest in any matter under consideration by the Committee shall declare the conflict of interest at the beginning of the meeting and shall not discuss or vote on the matter.

8.0 STAFF LIAISON AND SUPPORT SERVICES

8.1 Administrative support to be provided by the Town will include: official written recordings of each meeting in the form of minutes, the coordination of Committee related communications and correspondence; ensuring reports are included in Council Agenda packages as deemed appropriate by the CAO; and minor clerical support as needed (such as photocopying).

8.2 Technical support to be provided by the Township of Red Rock will include: advice and consultation with Staff Department Heads of Township owned and operated facilities.

8.3 The CAO/Clerk/Treasurer if applicable will administer a budget.

9.0 MEETINGS

9.1 All committee meetings shall be open to the public.

9.2 The Committee may, from time to time, invite resources to attend a meeting.

9.3 The Committee may establish sub-committees for various topics, issues or proposals as required. Such sub-committees may include Committee members, with the approval of the Chair, provided a Committee member chairs the sub-committee. Sub-

committees shall report to the Council Committee through the sub-committee Chairperson.

9.4 Quorum for a full Committee meeting will be 50% of the current membership plus 1.

10.0 AMENDMENTS

10.1 Amendments to the Terms of Reference can only be made by Council.

10.2 Council Committees may wish to review the Terms of Reference, from time to time, and make recommendations to Council through the office of the Chief Administrative Officer (CAO/Clerk) regarding amendments.

**The Corporation of the Township of Red Rock
Committee of Adjustment Report**

Date: April 17, 2023
To: Mayor and Council
Subject: Committee of Adjustment Council Report
Submitted by: Samantha Cameron, Secretary COA

BACKGROUND:

Committee of Adjustment Training Session held on April 11, 2023.

DISCUSSION:

This report is for information only and provides Council with an update on the recent activities of the Committee of Adjustment.

SUMMARY OF ACTIVITY:

The Committee Members and Secretary gathered as a group to attend training specific to Committees of Adjustment. The training was provided online by the Ontario Association of Committees of Adjustment & Consent Authorities (OACA). The training session included 6 different modules – which focused on the following topics;

- Conflict of Interest
- Minor Variance
- Consents
- Planning Overview
- Meeting Protocol
- Site Visits

Each module also included a mandatory quiz at the end. The members spent approximately 2 hours learning and reviewing some valuable information pertaining to Committees of Adjustment and the role they play within the Municipality. Following the training session each Committee Member was provided with a copy of the training material for future reference, the Procedural Bylaw and the Code of Conduct Policy.

MONITORING SITUATIONS:


None

DIRECTION / DISCUSSION / UPDATES:


None

ATTACHMENTS:

N/A



Submitted by



Approved by:

**TOWNSHIP OF RED ROCK
POLICY/PROCEDURE**

Section

Subject

Page 1 of 6

A-3

Travel Expenses

APPROVED:

Day Month Year

EXPENSES AND REIMBURSEMENTS

This policy provides guidelines for reimbursement of travel/business expenses Act. This policy governs how the Township of Red Rock reimburses travel/business expenses and applies to any person in the Township making an expense claim, including Board members and staff. The previous Travel Expense Policy approved April 12th, 2017 is hereby repealed.

Employees and persons engaged to work for TOWNSHIP OF RED ROCK must consult and obtain prior documented written approval for travel, hospitality, paid leaves of absence and conference/meeting attendance before registration and/or travel arrangements are made and expenses are incurred.

Principles of Travel / Business Decisions

- Staff should be reimbursed for reasonable and actual expenses incurred by them when on Township business.
- Reimbursable expenses should support program objectives of the Township.
- Expenses should be reimbursed providing they are supported with original receipts and/or documentation.
- Expense reports that do not comply with policies and procedures may be returned to the staff member and not processed until corrected.
- Expense reports should be submitted in a timely manner (within 30 days from travel completion). Any expenses submitted past the accepted timeframe may not be reimbursed and an explanation indicating reasons for the delay in submission should accompany the request for reimbursement.
- Staff should aim to make the most practical, economical and reasonable arrangements for travel, meals, hospitality, personal, and corporate expenses.
- Staff expenses must be approved by the appropriate supervisor or next higher level.
- No individual should approve his or her own expenses, or that of a subordinate that has paid for travel, meal, etc., expensed to the supervisor's benefit.
- The person approving the expense report is responsible to ensure all claims are correct, reasonable and in accordance with the expense policy.

DEFINITIONS

authorization - The approval of an expense reimbursement and business travel claim by the appropriate person with adequate signing authority. Generally, authorization requires the immediate supervisor's approval as long as the expense claim amount is within their signing limit.

business expense - Reasonable expenses incurred by staff/board members in the course of performing their duties.

- business travel - Travel required for Township business and authorized by the appropriate level of authority.
- Hospitality - The provision of food, beverage, accommodation, transportation and other amenities at the Township's expense to persons who are not employed by the Township.
- consultants - Persons providing services to the Township on an independent contractor basis, and who are not employees of the Township. For greater clarity, consultants are not to be considered "staff"; that term is defined below.
- office - The Township-related regular place of work. For example, the address on a staff person's business card or where the staff person regularly performs their duties, has an office, desk, computer, telephone etc.
- personal vehicle - A vehicle owned, borrowed or rented/leased personally by a member of staff.
- receipt - An original document, or carbon or certified copy, with the details of the expenditure, the amount, the date and indicating proof of payment.
- staff - Includes all Township employees, credentialed staff, volunteers, faculty, Board Directors, outsourced service staff and other individuals engaged in Township business and who intend to receive travel and expense reimbursement under this policy.

EXPENSE REIMBURSEMENT

Reimbursable business expenses will –

- Be work related
- Be modest, appropriate and reasonable
- Strike a balance among economy, health and safety, and efficiency of operations
- Be submitted in a timely fashion (within 30 days from travel completion) and in the form and manner stipulated under this policy.

Generally, expenses of a personal nature will not be reimbursed. Such expenses include but are not limited to -

- Expenses resulting from unlawful conduct
- Traffic and parking violations incurred while driving on Township business.
- Recreational purposes (e.g. video rentals, mini-bars, special facilities charges, entertainment not directly related to Township business, etc.)
- Personal items not required in order to conduct Township business
- Memberships to reward programs or clubs (e.g., airline clubs)
- Social events that do not constitute Hospitality
- Alcoholic drinks
- Expenses incurred due to the presence of friends or family members
- Hotel expenses incurred because of failure to cancel reservation
- Credit card fees and late payment charges
- Additional ancillary charges such as premiums for failure to refill fuel in a rental car

EXPENSE CLAIM FOR REIMBURSEMENT FORM (Schedule 'A')

All claims for expense reimbursement will be submitted on an Expense Claim for Reimbursement Form.

- A hard copy of the form should be accompanied with original, itemized receipts.
- The claim should clearly state to whom the payment should be made.
- The claim should state the business purpose for the expenditure in an expense description column.
- If the individual seeking reimbursement incurred costs on behalf of other individuals (e.g. meals purchased on behalf of clients), the names and titles of those other individuals should be included.
- Any travel advance should be deducted from the claim.
- The form should be signed by the member of staff requesting reimbursement and the member of staff's immediate supervisor if the total is within their authorization limit. It should include a valid accounting unit and expense account code.

TRAVEL AND TRANSPORTATION

- When possible travel should be approved in advance by a claimant's Department Head or Chief Administrative Officer. Pre-approval should be documented and attached to the travel claim.
- A copy of the boarding pass or ticket for all modes of transportation should be attached to the expense report.
- Where a number of staff members are attending the same function, shared travel should be considered and required where possible.
- The mode of transportation chosen – air, train or car, should be that which enables the member to attend to Township business with the least cost to the Township, consistent with the least amount of interruption to the member's regular business and personal schedules. Consideration should be taken as to the length of time away from the workplace.
- Basic economy/coach fares will be paid by the Township. Any upgrades would be the responsibility of the member of staff.
- Travel costs associated with others (ie. family/friend) including meals and cancellation fees, are not covered and must be paid for by the staff member.
- When personal travel is combined with business travel, the staff member will be reimbursed for only the business portion of the trip at the lowest available fare.
- Personal travel does not include travel to or from home when traveling for business
- In the event that travel is cancelled, any travel expenses that have been reimbursed to the staff member by the vendor, including but not limited to the cost of train or flight tickets, must be reimbursed to the Township within thirty (30) days of such cancellation.

TRAVEL BY VEHICLE

Personal Vehicles

- Personal vehicles used on Township business must be insured at the vehicle owner's expense for personal motor vehicle liability. Coverage should be equal to or greater than the minimum liability specified in the *Insurance Act*. Drivers must satisfy themselves

whether their motor vehicle insurance coverage should include business use of their vehicles.

- The Township will not reimburse costs of collision and liability coverage.
- For greater clarity, the Township assumes no financial responsibility for privately owned vehicles other than paying the kilometric rate when used for Township business. Those driving a personal vehicle on Township business cannot make claims to the Township for damages as a result of a collision.
- When staff use their own vehicles for Township business, reimbursement will be in accordance with the approved kilometer allowance. This allowance is to cover the costs of fuel, depreciation, maintenance and insurance.
- Receipts for parking lot charges and applicable bridge or highway tolls must be submitted with expense reports.
- Where a traveler accumulates more than 1000 km/month on a regular basis, the manager will investigate lower cost options. Where a traveler continues to use a personal vehicle, the rationale for this practice should be documented.

Mileage is calculated **at the current CRA rate**. Return mileage from Red Rock to the following locations have been approved.

| | | | | | |
|-----------|--------|--------------|--------|-------------|--------|
| Atikokan | 596 km | Hurkett | 52 km | Nipigon | 36 km |
| Beardmore | 194 km | MacDiarmid | 156 km | Terrace Bay | 246 km |
| Dorion | 100 km | Manitouwadge | 586 km | Thunder Bay | 225 km |

Taxi

- The use of taxis by staff should be reasonable
- Original receipts be attached to the expense report

Examples of when taxis may be appropriate include -

- situations requiring transportation between stations or airports and the Township
- situations requiring transportation between stations or airports and a staff member's home

Air Travel

- Staff may travel by air for trips that are beyond reasonable driving distance. Prior approval for all travel by air must be obtained and documented in writing.
- Staff should travel Economy class for all domestic and international travel
- Every effort should be made to book in advance to take advantage of discounted fares and to obtain the lowest fares compatible with necessary travel requirements.
- The original boarding pass/passes and ticket/E-ticket must be attached to the expense report for each segment of travel.

MEALS

Business Meals (includes meals when travelling for business)

- Staff is reimbursed for reasonable meal expenses, subject to approval by the claimant's manager, if expenditures are incurred while the claimant is away from his or her place of work on Township business.

- Original, itemized receipts must be provided with claims for reimbursement of actual meal expenses. Reimbursement must not exceed the amount actually spent (including taxes and gratuities) as validated by a receipt accompanying the claim.
- The maximum reimbursable amount for each meal is:

| | Northwestern Ontario | Southwestern Ontario |
|------------------|-----------------------------|-----------------------------|
| Breakfast | \$20 | \$30 |
| Lunch | \$25 | \$35 |
| Dinner | \$45 | \$60 |
| Total | \$90 | \$125 |

- When an employee is entitled to two or more meals in a day, he/she may exceed the allowable maximum per meal provided the total amount does not exceed the overall total per day.
- No reimbursement shall be made for meals consumed at home prior to departure or on return, or for meals included in the cost of transportation, accommodation, seminars and/or conferences.
- When a staff member is authorized to pay for meals of others, expense reports must include a brief explanation of the event and a list of those in attendance. The highest ranking member of staff should pay for the meal expenditures.

ALCOHOL

- Costs incurred for alcoholic beverages are not reimbursable.
- The decision to provide alcohol at a staff or any event must be approved by the CAO and should be consistent with good judgment, business case, value for money and the principles of this expense directive.
- Appropriate measures will be taken to ensure a reasonable limit is placed on the quantity and cost of alcohol to be provided in advance of the event.
- The provision of alcohol will be limited to meals and receptions.

ACCOMMODATIONS

- Staff should use the most economical accommodation available (generally a standard quality hotel room) that is convenient to the event being attended. No reimbursement will be made for suites, executive floors, or concierge levels.
- Staff are responsible for all room charges and must review the hotel bill carefully to ensure all charges are correct. A detailed copy of the hotel bill must be attached to the expense report.
- Generally, staff will not be reimbursed for entertainment, laundry service, pay TV or movies, alcohol or special facility charges (e.g. fitness clubs). However, under certain circumstances, including but not limited to long-term business trips, the Township may choose to reimburse some or all of these costs. Costs should always remain reasonable.
- Long-distance business calls are reimbursed, however discretion should be used in the frequency and length.
- Standard tips and gratuities are reimbursable, but should be documented on the expense report.
- While travelling on Township business, additional business expenses not otherwise covered will be reimbursed, such as computer access charges, photocopying, word processing services, facsimile transmissions, internet connections, rental and transportation of necessary office equipment, provided the charges incurred are reasonable and related to Township business.

- The Township expects discretion to be applied with any expenses incurred and reserves the right to limit reimbursement to reasonable costs.

CASH ADVANCES TO COVER COSTS RELATED TO OUT OF REGION TRAVEL

Will be approved upon request and at the discretion of the Chief Administrative Officer or designate, to cover hotel, transportation costs or other related anticipated costs prior to attendance at conferences/workshops out of region. All expenses require original receipts to be presented upon return and are recorded on the Expense Claim for Reimbursement. Any under or overpayments will be adjusted when the expense account is submitted.

CONSULTANT EXPENSES

Consultants are not considered staff and therefore are not covered by personal business expense policies. Any contract between the Township and the consultant will clearly specify any and all reimbursable expenses with a prohibition on reimbursement of meal and hospitality expenses. Consultants must be made aware of the principles of accountability, transparency, value for money and fairness and any expense claims submitted per contract should include receipts as supporting documents.

PROVISION OF HOSPITALITY

- Hospitality is the provision of food, beverages, accommodation, transportation or other amenities at the Township's expense to persons who are not engaged in work for the Township
- Hospitality expenses are only reimbursable if a reasonable ratio of staff to persons who are not engaged in work for the Township or other organization is demonstrable.
- Hospitality will be extended in an economical, consistent and appropriate way when it will facilitate Township business or is considered desirable as a matter of courtesy.
- Where Hospitality events are extended by the Township, and where the guests include vendors (current or prospective), managers are responsible for obtaining prior approval to ensure that the event does not give, or is not perceived to give, preferential treatment to any vendor.
- The CAO must give prior documented approval for the provision of Hospitality that includes any alcoholic beverages subject to the provisions under this policy.

ACCEPTANCE OF HOSPITALITY

Acceptance of Hospitality from vendors (current or prospective) may constitute a conflict of interest, and may therefore be prohibited. Supervisors and Directors are responsible for ensuring staff is aware of their conflict of interest obligations.

- TOWNSHIP OF RED ROCK will ensure that they avoid the appearance of impropriety or favouritism when accepting Hospitality from vendors (current or prospective).
- Staff attendance on behalf of the Township at various third party events, including but not limited to sporting events, entertainment, dinners or speaking engagements, must not violate the Township's conflict of interest obligations, nor should such attendance appear to violate those obligations.