The Municipality of Powassan
The Heart of Good Living

AGENDA

Regular Council Meeting
Tuesday, March 18, 2025, at 6:30 p.m.
Powassan Council Chambers
252 Clark Street, Powassan, ON

1. **CALL TO ORDER**

2. **LAND ACKNOWLEDGMENT**
   "We respectfully acknowledge that we are on the traditional territory of the Anishinaabe Peoples, in the Robinson-Huron and Williams Treaties areas. We wish to acknowledge the long history of First Nations and Métis Peoples in Ontario and show respect to the neighbouring Indigenous communities. We offer our gratitude for their care of, and teachings about, our earth and our relations. May we continue to honour these teachings."

3. **ROLL CALL**

4. **DISCLOSURE OF MONETARY INTEREST AND GENERAL NATURE THEREOF**

5. **APPROVAL OF THE AGENDA**

6. **DELEGATIONS TO COUNCIL**

7. **ADOPTION OF MINUTES OF PREVIOUS OPEN SESSION MEETINGS OF COUNCIL**
   7.1 Regular Council Meeting of March 4, 2025

8. **MINUTES AND REPORTS FROM COMMITTEES OF COUNCIL**
   8.1 Municipal Recreation Committee Meeting – Minutes of January 22, 2025

9. **MINUTES AND REPORTS FROM APPOINTED BOARDS**
   9.1 Eastholme, East District of Parry Sound Home for the Aged – 2025 Operating Budget

10. **STAFF REPORTS**
    10.1 Treasurer/Director of Corporate Services, B. Robinson – Council Remuneration
    10.2 Deputy Clerk, K. Bester – Enabling Accessibility Fund
    10.3 Deputy Clerk, K. Bester – OPG Regional Empowerment Grant
    10.4 Operations and Facilities Manager, F. Schmeltz – Public Works February Work List
    10.5 Treasurer/Director of Corporate Services, B. Robinson – Grant Opportunities for the Trout Creek Community Centre

11. BY-LAWS

11.1 Bylaw 2025-06 – Zoning Bylaw Amendment (49 Highway 522)
11.2 Bylaw 2025-07 – Council Remuneration Bylaw

12. UNFINISHED BUSINESS

13. NEW BUSINESS

13.1 Ontario Clean Water Agency – 2024 Annual Performance Report for the Powassan Sewage Treatment Lagoon & Sewage Collection System
13.2 Ministry of the Environment, Conservation and Parks – Inspection of Powassan Drinking Water System and Risk Methodology
13.3 Autism Ontario – 2025 World Autism Day Proclamation

14. CORRESPONDENCE

15. ADDENDUM

16. NOTICE OF SCHEDULE OF COUNCIL AND BOARD MEETINGS

17. CLOSED SESSION

18. MOTION TO ADJOURN

The Municipality of Powassan

Regular Council Meeting
Tuesday, March 4, 2025, at 6:30 pm
Powassan Council Chambers

Present:	Peter McIsaac, Mayor Markus Wand, Deputy Mayor Randy Hall, Councillor Leo Patey, Councillor
Staff:	Brayden Robinson, Treasurer/Director of Corporate Services Allison Quinn, Clerk
Absent, With Regrets:	Dave Britton, Councillor
Presentations:	None.

Disclosure of Monetary Interest and General Nature Thereof: None.

2025-65 Moved by: M. Wand Seconded by: R. Hall
That the agenda of the Regular Council Meeting of March 4, 2025, be approved, with the following addendum:

15.1 Councillor Wand – Trout Creek Community Centre Motion. **Carried**

2025-66 Moved by: R. Hall Seconded by: L. Paty
That the minutes of the Regular meeting of Council of February 18, 2025, be adopted.
Carried

2025-67 Moved by: L. Patey Seconded by: M. Wand
That the minutes of the Special Budget Meeting of Council of February 20, 2025, be received. **Carried**

2025-68 Moved by: M. Wand Seconded by: R. Hall
That the minutes from the Powassan Maple Syrup Festival Committee meeting of February 19, 2025, be received. **Carried**

2025-69 Moved by: R. Hall Seconded by: L. Patey
That the minutes from the Golden Sunshine Municipal Non-Profit Housing Corporation committee meeting of December 17, 2024, be received. **Carried**

2025-70 Moved by: L. Patey Seconded by: M. Wand
That the minutes from the Powassan and District Union Public Library meeting of January 20, 2025, be received. **Carried**

2025-71 Moved by: M. Wand Seconded by: L. Patey

That the memo from Treasurer/Directo of Corporate Services, B. Robinson, regarding the Council Remuneration Bylaw be received; and,

FURTHER that staff be directed to bring back the draft Bylaw to the next Regular Meeting of Council on March 18, 2025, for adoption. **Carried**

2025-72 Moved by: L. Patey Seconded by: R. Hall

That the memo from Deputy Clerk, K. Bester, regarding rezoning of property located at 49 Hwy 522, be received; and,

Further that staff be directed to correct the zoning errors as set forth in the memo. **Carried**

2025-73 Moved by: R. Hall Seconded by: M. Wand

That the memo from Manager of Operations and Facilities, F. Schmeltz, regarding the Temporary Bridge Installation on Hunt Line, be received; and,

Further that Council direct staff to follow the recommendations in the memo. **Carried**

2025-74 Moved by: M. Wand Seconded by: L. Patey

That Bylaw 2025-05, being a Bylaw to amend Bylaw 2023-18 to govern the Calling, Place and Proceedings of the Meetings of council and its Committees;

Be READ a FIRST and SCOND time and considered READ a THIRD and FINAL time and adopted as such in open Council meeting this 4th day for March 2025 for the immediate wellbeing of the Municipality. **Carried**

2025-75 Moved by: R. Hall Seconded by: L. Patey

That the report from Councillor Patey regarding a Trout Creek Community Centre Public Meeting, be received; and,

Further that staff be directed to schedule and provide notice of the public meeting. **Carried**

2025-76 Moved by: R. Hall Seconded by: M. Wand

That the notice of a public meeting on Monday, March 17, 2025, at 6pm for a Zoning Bylaw Amendment, be received. **Carried**

2025-77 Moved by: M. Wand Seconded by: R. Hall

That Council direct staff to prepare an RFP to engage engineering firms for obtaining a second opinion on the condition of the Trout Creek Community Centre; and,

Further that staff report at the Regular Council meeting of March 18th on all funding opportunities, both government and private, available to repair or rebuild the Trout Creek Community Centre. **Carried**

2025-78 Moved by: L. Patey Seconded by: M. Wand

That council now adjourns at 7:11pm. **Carried**

_____ _____

Mayor Clerk

The Municipality of Powassan

Recreation Committee Minutes

January 22, 2025 - 7:00pm, 250 Clark, Maple Room

Attendees: Kim Lindsay, Councillor Leo Patey, Brian Eckensviller, Jim Gadsden, Nathan Stewart, Mayor McIsaac, Jeff Eckensviller

Staff: Allison Quinn

Absent with Regrets: Jared Dupuis, Booster Club Rep.

Guests: None.

1. **Call to Order @ 7:03 p.m.**

2. **Agenda**
   - Approval of the Agenda of January 22, 2025 – ***Carried***

3. **Disclosure of Pecuniary Interest – None**

4. **Presentations**

   - Travis Tennant, Trout Creek Community Centre Kraft Hockeyville Application
     T. Tennant presented the Kraft Hockeyville campaign that he started, explaining the rules, how to vote to make it count, and how he and Trevor Madge have been promoting it as well as their future plan to promote it.

     There was discussion on whether they had a specific plan for the funds, if they were to win. The hope is that the municipality would hold it in trust to put towards the TCCC when needed.

     Travis has posters that include a QR code to take people to the voting site; A. Quinn will copy posters that can be picked up at the Municipal Office. Information will go on the municipality's social media, website and digital signs; A. Quinn will reach out to neighbouring municipalities for support.

     Mayor McIsaac will contact the City of North Bay.

     The NHL game would have to be played at Memorial Gardens; residents of the winning town get to first chance to purchase tickets.

     A booth will be set up during the Winter Carnival for those who need help uploading pictures, etc. to the Hockeyville website.

     T. Tennant will attend the February 5th meeting to give an update.

5. **Minutes**
   - Adoption of the minutes of December 4, 2024 - ***Carried***

6. **Event Updates**

a) Sip and Savour – nothing new to update.
b) Canoe Regatta – nothing to update.
c) Fish Derby – The winter derby can't be done this year but will be looked into for next year.
d) Trout Creek Playground Improvements – nothing new from the last meeting.
e) Trails Funding - nothing new to update.
f) Winter Carnival – there is now a DJ booked; volunteers are still needed; S. Geisler is looking after staffing the bar;
g) Maple Hill Sap Run – Registration is now open.
h) Maple Syrup Festival – Councillor Patey spoke about events being planned for the Festival.

7. **Outstanding Business**

a) Committee Mandate review – the group discussed the mandate and how it can be changed. Councillor Patey looked at other similar committees and suggested an Events Committee instead of Recreation. A. Quinn to look into an updated mandate and get back to the committee with options.

8. **New Business –** No new business.

9. **Community Updates**

a) N. Stewart gave an update on the upcoming PMHA Black and Gold Rep tournament; he will be volunteering with ball hockey this spring. A. Quinn to send him some details.
b) B. Eckensviller suggested the municipality pick a day before Christmas this year and have a special ice rental rate for families who would like to rent an hour of ice. This will be looked into.

10. **Next Meeting:** Wednesday, February 5, 2025

11. **Adjournment:** Meeting adjourned at 9:30 p.m.

_____ _____

Chair Clerk

OPERATING BUDGET

2025

EASTHOLME

East District of Parry Sound Home for the Aged

Contents

Budget Summary

Recommendation:

That the budget be approved with a total levy to participating municipalities in the amount of $1,626,000 (representing a 2.5% increase in the base levy over 2024 budget).

2024 Budget Revenues

Accommodation Revenue

Accommodation rates are established by the Ministry of Long-term Care at the end of May for July 1st of the funding year. At the time of the budget the accommodation rates are not known. The budget includes an estimated increase of 1.5% in accommodation rates.

Funding Envelopes

The level of care funding is provided on a per-diem basis to all long-term care homes. The level of care (LOC) per-diem is divided between Nursing and Personal Care (NPC), Program and Support Services (PSS), Nutritional Support (NS) (formerly Raw Food (RF)), and Other Accommodations (OA) funding envelopes. The per-diem rates are adjusted for occupancy rate in all envelopes. The funding for nursing is further adjusted for the Case Mix Index (CMI) score which adjusts for medical complexity of the resident population.

The LOC per diems are set at the start of the Ministry of Long-Term Care funding year which begins April 1st each year. This budget includes an estimated 1.5% increase in the LOC.

Hours of Care funding for Nursing Staff

The 2024/25 ministry funding year, is the last year for homes to achieve the staffing hours set out in the Fixing Long Term Care Act 2021 (FLTCA) and regulations. The standard to reach is set to 4 hours of care per resident per day. It is anticipated that on (or after) April 1st the ministry will clarify whether the funding becomes permanent and is rolled into the nursing and personal care envelope as part of the LOC funding. At the time the budget is set it is unclear whether it will be made permanent and whether there will be indexed adjustments to fund cost of living increases for the additional nursing hours of care. This budget assumes the funding will continue at the current level. Figure 1 shows the compliance targets by funding year.

Figure 1: Summary of Target Hours of Care to be achieved by Long-Term Care Homes

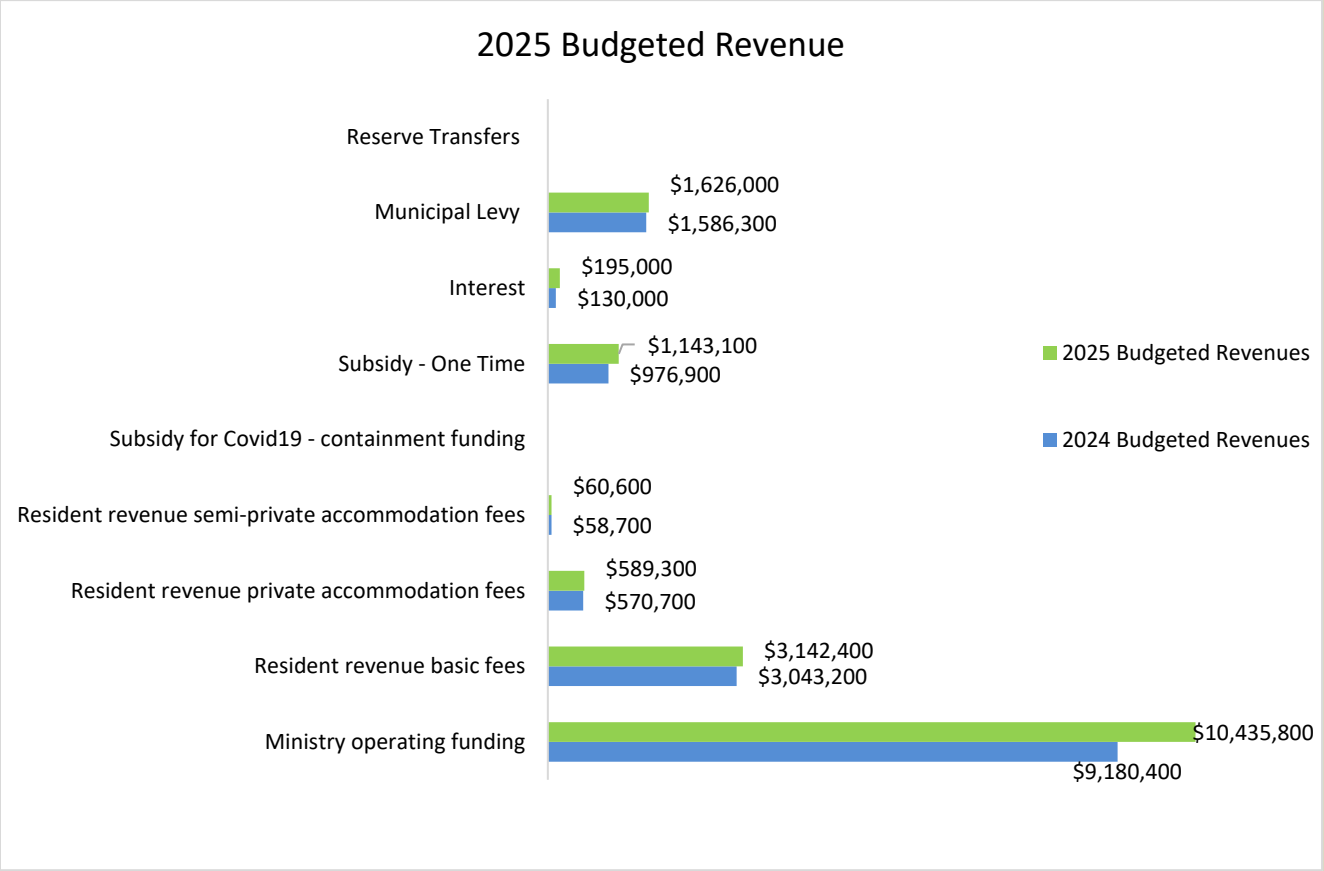
Current Levels (2018 data)	2021-22 (to be achieved by Q4) Average	2022-23 (to be achieved by Q4) Average	2023-24 (to be achieved by Q4) Average	2024-25 (to be achieved by Q4) Average
RNs, RPNs, and PSWs: 2 hours and 45 minutes	**3 hrs**	**3 hrs 15 min**	**3 hrs 42 min**	**4 hrs**
AHP: 30 minutes	**33 min**	**36 min**	**36 min**	**36 min**

One-Time and Other Funding

In addition to the funding noted above, the Ministry of Long-Term Care has provided several separate one-time/other funding streams to cover the additional legislated positions under the FLTCA. This budget includes the following separately identified streams (which total $1,143,100):

- $156,751 – in IPAC Personnel, IPAC Lead and Training
- $302,448 – Comprehensive Minor Capital
- $625,584 – Permanent Wage Enhancement
- $58,591 – Estimate for application based student funding

Figure 2 :Budgeted Revenues for 2025 (compared to 2024)



The largest budgeted revenue stream is in Ministry Operating Funding line and is due primarily to hours of care funding added to the nursing and personal care envelope.

Figure 2.1: Anticipated funding by LOC envelope

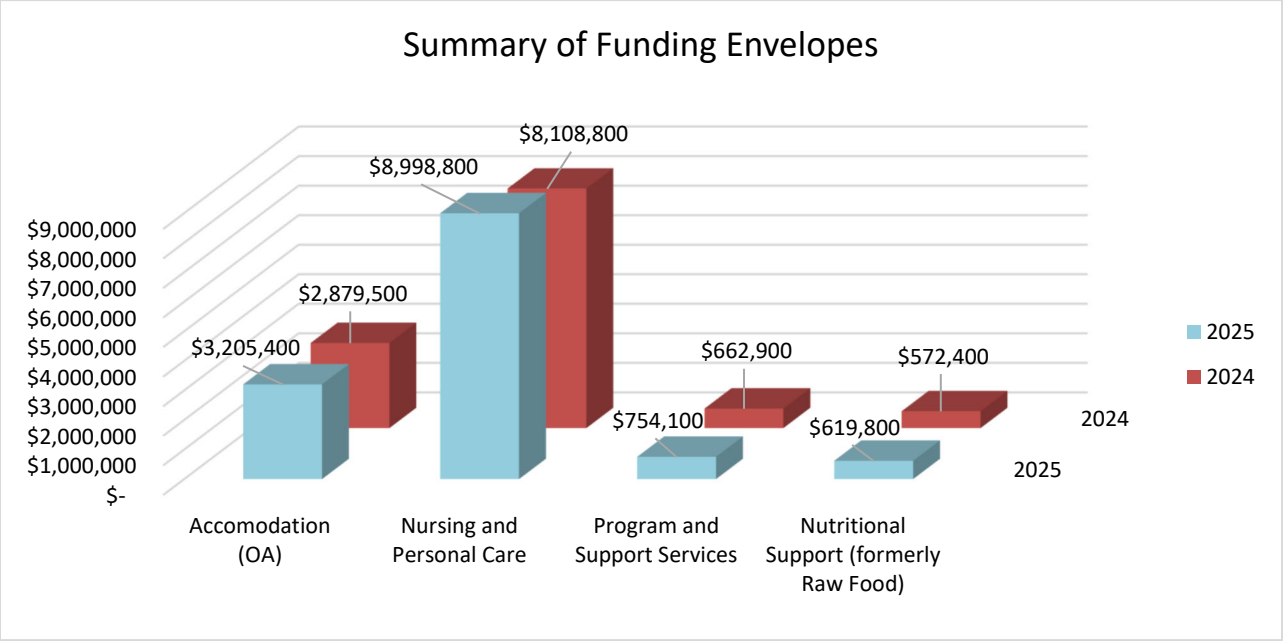


Figure 2.1 displays the budgeted level of care funding by envelope.

Figure 3: 2025 Revenue – All Sources

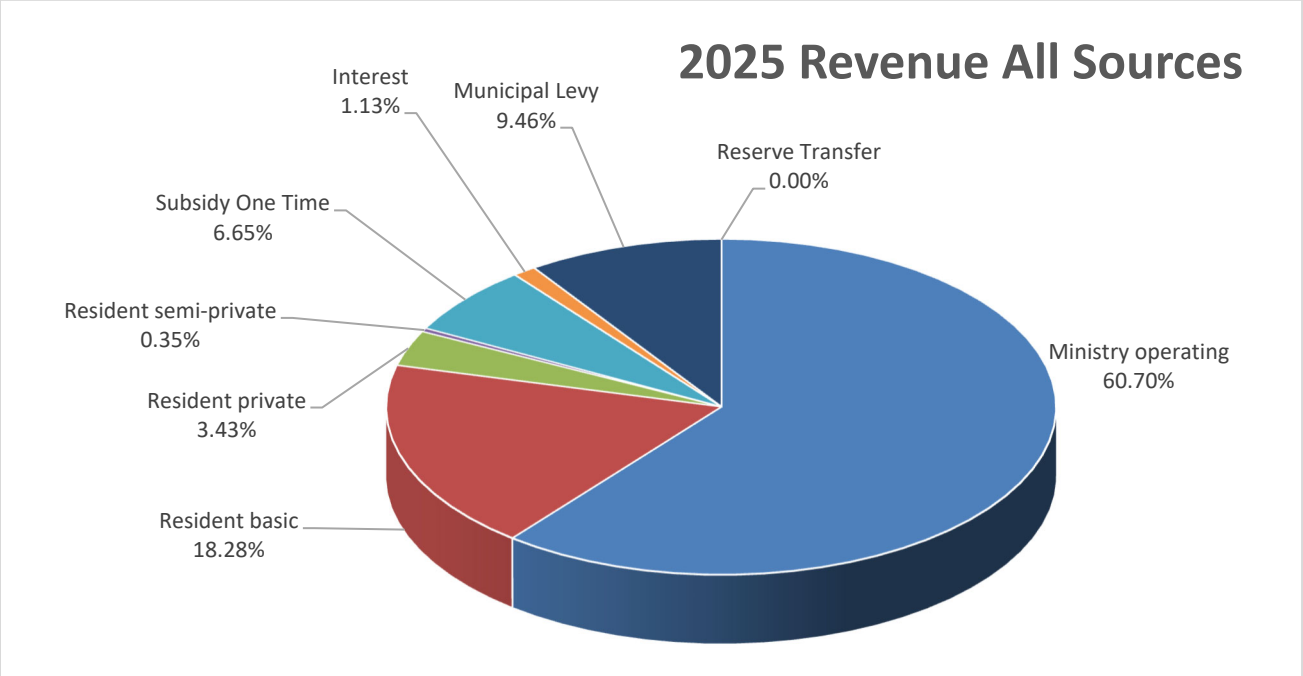
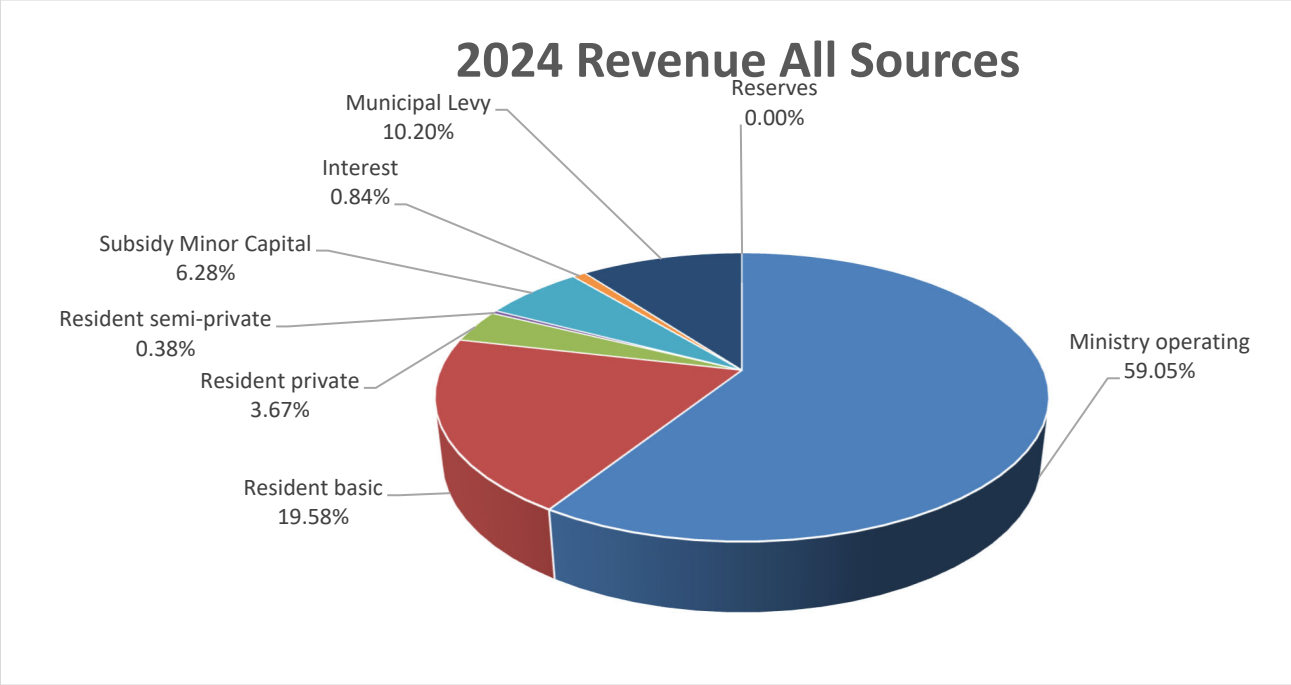


Figure 3 shows the ministry revenue as the largest source of funding at 60.7% of total revenues (59% in 2024). Municipal levy contributions are set at 9.46% of total revenues as compared to 10.2% in 2024 as shown in Figures 3 and 4.

Figure 4: 2024 Revenue – All Sources



Consistent with the 2024 budget (figures 3 and 4), the current budget cycle does not contemplate any transfer from reserves to fund operating or capital expenses.

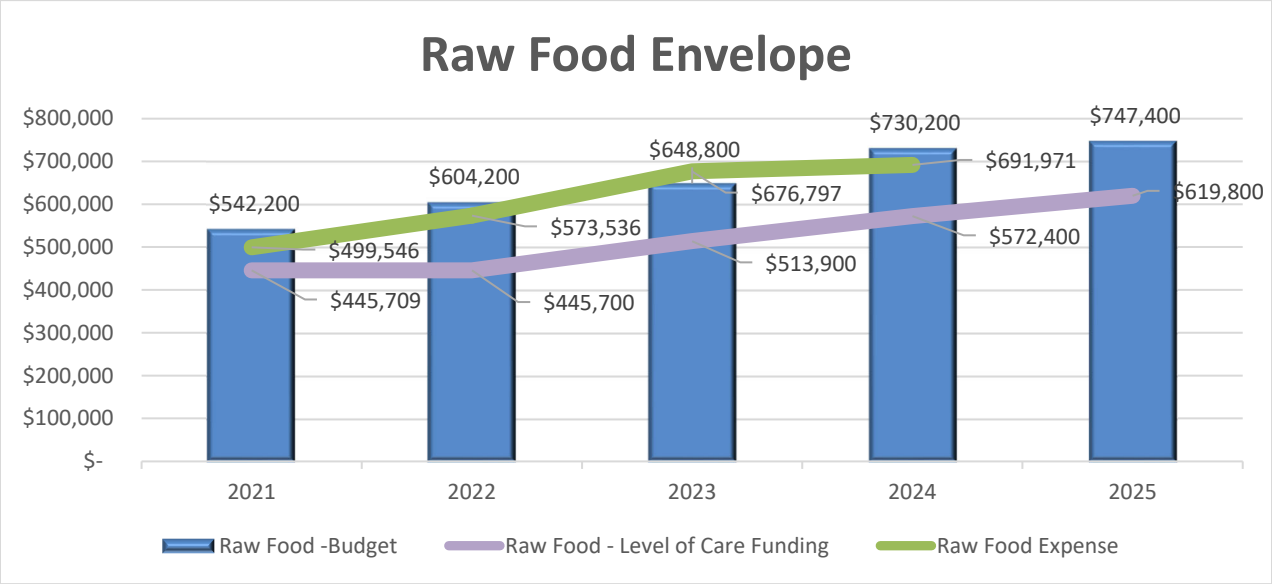
2025 Budgeted Expenses

Nutritional Support (NS) formerly Raw Food Envelope

This funding envelope is intended strictly for the purchase of raw food for consumption by residents including any nutritional supplements. Figure 5 compares the budgeted amount for raw food/nutritional support as compared to the actual expenses, and the LOC funding received.

In 2024 the budgeted amount for raw food/nutritional support was $750,200. The actual amount spent was $691,971. $572,400 was the funded amount. For 2025 the anticipated funding is $619,800 (1.5% over actual funded amount in 2024) as compared to budget of $747,400.

Figure 5: Raw Food/Nutritional Support



Historically, the cost of food and nutritional supplements has outpaced funding. Figure 5 shows the year over year budgeted values (blue bars), the funding provided in the nutritional support envelope (purple line) and the actual expenses in the year (green line). The ministry has recognized the pressure and has increased funding in recent years. Funding in this envelope has increased from $9.54 per resident per day 2021/22 to $11.00 in 2022/23 and $12.07 in 2023/24. The April 1st 2024 to March 31st 2025 funding was set to $13.07 per resident per day.

The budgeted expenses include an estimated increase of 8% over the prior year actuals.

Figure 5.1: Meals Served & Nutrition Cart Passes

	2022	2023	2024 (Leap Year)
Meals Prepared	1095	1095	1098
Meals Plated/Served	140,160	140,160	140,544
Nutrition Cart Pass	1095	1095	1098

Eastholme prepares all meals in the main kitchen and distributes the food to the home area servery for plating/meal service. Figure 5.1 shows the meals prepared in the year (2024 =366 days * 3 meals/day). There were 140,544 meals served in 2024.

The Fixing Long Term Care Act requires that the dietitian conduct regular assessments for each resident (see Figure 5.3) which considers nutritional needs including implications relating to currently prescribed medications and physical abilities (difficulties with swallowing etc.). Each resident is provided with 3 prepared meals per day as well as nutrition cart passes for drinks and snacks in between meals. There are 4 dining areas that provide congregate dining service specific to resident needs. Nourishment carts distribute snacks and drinks on the resident home areas. There are 2 dietary shifts per day in each home area to accommodate this service.

Figure 5.2: Examples of Food Purchases Cost Increases

	2022	2023	2024	Percent Increase 2022 to 2024
Pork Cutlets (40 pieces/case)	$49.48	$56.63	$58.40	18%
Chicken, Diced (2 bags/Case)	$57.32	$62.72	$64.94	13%
Broccoli, Florets Frozen (8 bags/case)	$36.00	$45.09	$53.24	47.8%
Campbell's Tomato Soup 1.63 L (12 cans/case)	$40.20	$44.76	$48.40	20.4%
Gelatin Powder Strawberry (2 bags/case)	$8.18	$10.26	$10.03	22.6%

Values collected from 2022 to 2024 Year End Inventory Records

At Eastholme, we are committed to delivering high-quality and cost-effective menu options that meet all ministry standards. When placing weekly food orders, a price comparison is made to ensure we're getting the best value for each item. By checking market prices and working closely with our suppliers, we can make substitutions that reduce costs without compromising the quality or nutrition of the food. Additionally, our representative for Complete Purchasing provides us with quarterly reports on the food items we usually purchase, along with cost-saving alternatives.

Figure 5.3: Dietary Referrals to Dietitian & Food and Nutrition Manager

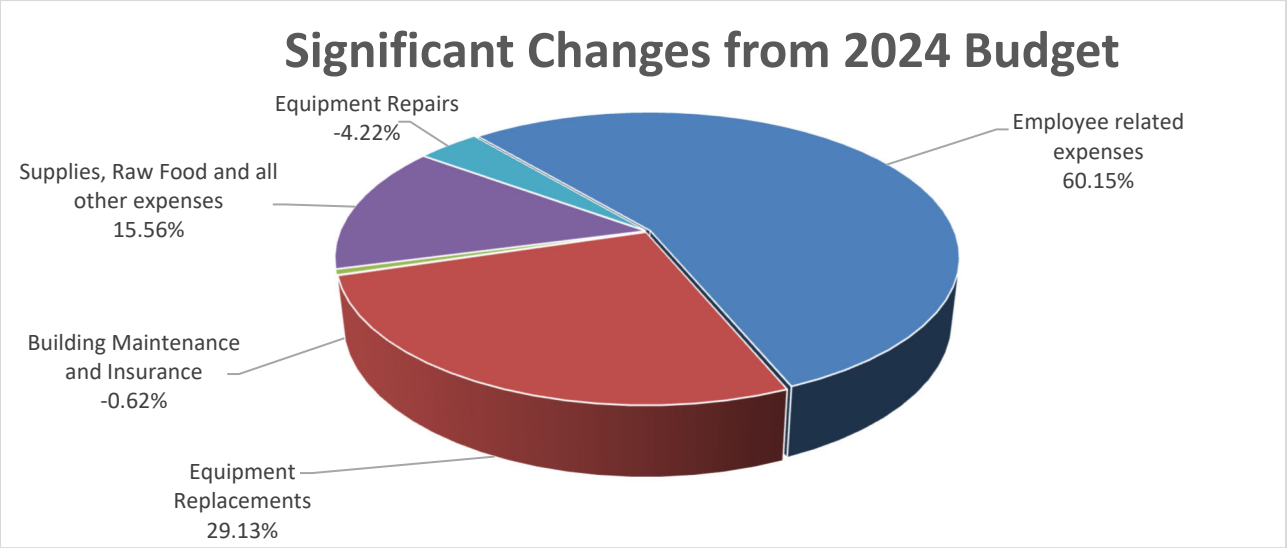
	2023	2024
# of Assessments Completed	485	475
# of Residents Assessed	81	107

Figure 5.3 shows the number of resident assessments conducted for nutrition needs.

Significant Changes in 2025 Budgeted Expenses

The year over year change in budgeted expenses of $17,192,200 in 2025 from 15,546,500 in 2024 is $1,645,000. The largest category of expenses is the salaries and benefit lines and includes any employee related expenses training and recruitment. Eastholme provides 24-7 nursing care (including support services, such as laundry, cleaning and meal preparation).

Figure 6: Significant Changes in 2025 Budgeted Expenses



The highest year over year budgeted change for 2025 is anticipated to be the increase in wages. This change is due in part to the planned step up to the 4 hours of care for nursing which has a compliance target date of March 31st, 2025, as well as negotiated wage increases in the Collective Agreement.

The second largest category is planned capital replacement, which shows an increase of $479,200 to an estimated $630,900.

Figure 6.1 shows the largest categories of budgeted expenses for the 2025 year.

Figure 6.1: Staffing levels

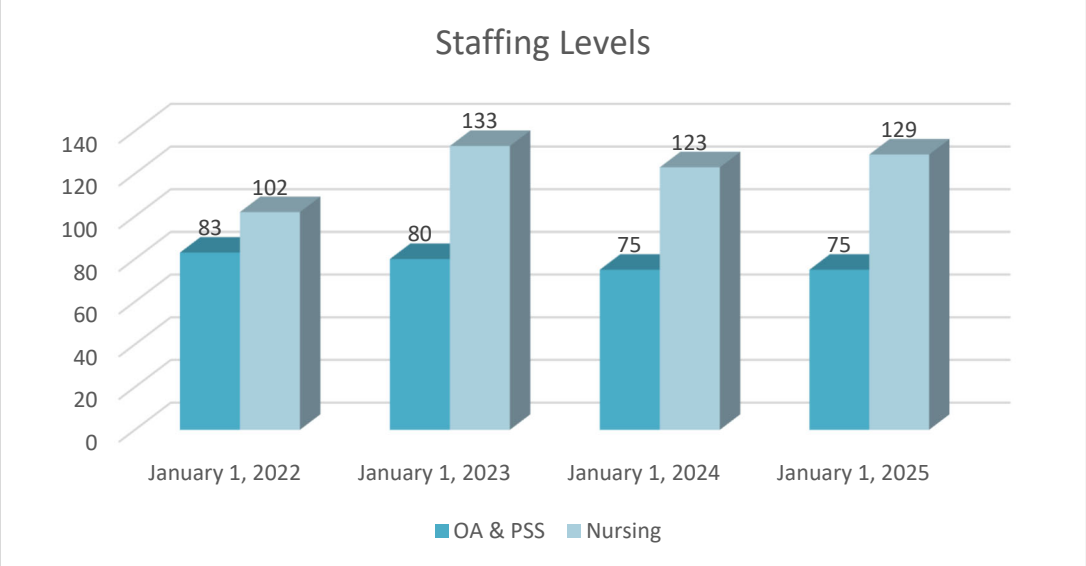


Figure 6.2 shows the changes in staffing levels for nursing relative to OA at a point in time (January of each year).

Figure 6.3: Hours Worked

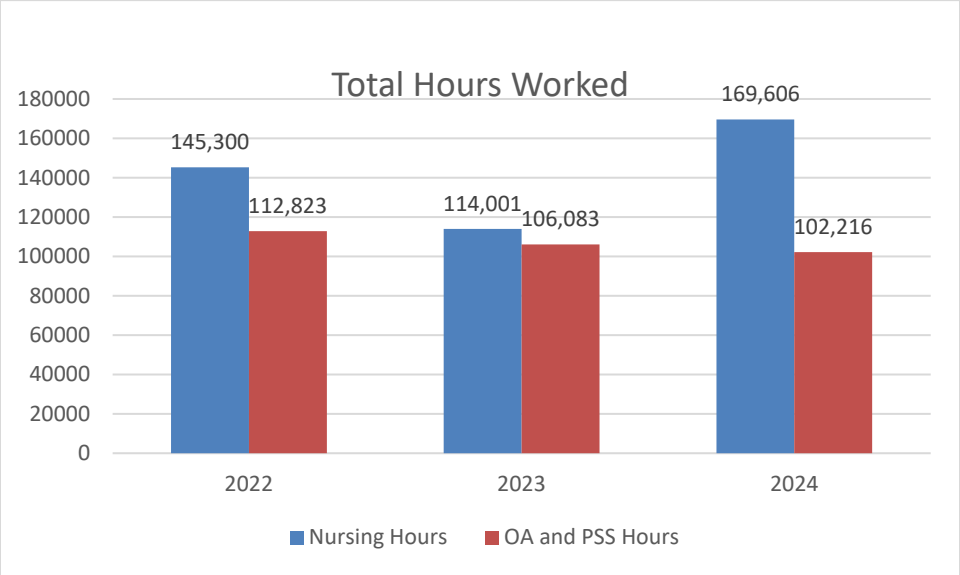


Figure 6.3 shows the increase in nursing hours worked since 2022.

Impact to Municipalities

The 2025 budget proposes to increase the Municipal levy in the amount of $39,700 or 2.5% over 2024 ($53,600-3.5% over 2023) to a total of $1,626,000 (2024 - $1,586,300). See Figure 7 for the proposed levy for 2025.

Figure 7: Anticipated Funding Net of Required Expenses

Anticipated Funding Net of Required Expenses		Amount
Total Operating Revenues (all sources)	$	15,566,200
Total Anticipated Operating Expenses (all sources)	$	17,192,200
Total Municipal Levy	$	(1,626,000)

Figure 7 shows the total projected revenues and expenses for the year, with the balance being the requested municipal levy.

Figure 8: Municipal Levy Apportionment:

MUNICIPALITY	APPORTIONMENT PERCENTAGE	2024 Levy - 3.5%	2025 Levy - 2.5%	Increase over 2024
Township of Armour	8.7955%	139,523	143,015	3,492
Village of Burk's Falls	1.9795%	31,401	32,187	786
Municipality of Callander	12.9975%	206,179	211,339	5,160
Township of Joly	1.4039%	22,270	22,827	557
Town of Kearney	8.7844%	139,347	142,834	3,487
Township of Machar	6.0391%	95,798	98,196	2,398
Municipality of Magnetawan	16.4388%	260,767	267,295	6,528
Township of Nipissing	9.0297%	143,238	146,823	3,585
Township of Perry	11.0719%	175,634	180,029	4,396
Municipality of Powassan	8.0770%	128,125	131,332	3,207
Township of Ryerson	4.3126%	68,411	70,123	1,712
Village of South River	1.7240%	27,348	28,032	684
Township of Strong	6.8996%	109,448	112,187	2,739
Village of Sundridge	2.4465%	38,809	39,780	971
Total	100.00%	**1,586,298**	**1,626,000**	**39,702**

Levy apportionments are made in accordance with the Fixing Long Term Care Act, 2021 and Ontario Regulation 246/22. Apportionments are calculated with information reported on the municipality's FIR for 2023.

Figure 9: Budget 2025

Eastholme
East District of Parry Sound
Home for the Aged
Operating Budget 2025

	Budget 2025	Level of Care Funding
Revenue		
Ministry operating funding	$ 10,435,800	
Resident revenue basic fees	$ 3,142,400	
TOTAL	**$ 13,578,200**	
Ministry capital payment SW-construction subsidy	$ -	
Resident revenue private accommodation fees	$ 589,300	
Resident revenue semi-private accommodation fees	$ 60,600	
Subsidy for Basic Revenue during covid19	$ -	
Subsidy for Covid19 - containment funding	$ -	
Subsidy - One time	$ 1,143,100	
Interest	$ 195,000	
Sub-Total	**$ 15,566,200**	
Municipal Levy (2.5%) 1,586,300 x 1.025	$ 1,626,000	
Transfer from reserve		
Total Revenue	**$ 17,192,200**	
Expenses		
Program and Support Services	$ 654,500	$ 619,400
BSO phase 1 and 2	$ 134,700	$ 134,700
Raw Food	$ 747,400	$ 619,800
Nursing and Personal Care	$ 9,216,400	$ 8,998,800
Accommodation (OA*)	$ 6,439,200	$ 3,205,400
Total Expenses	**$ 17,192,200**	**$ 13,578,100**
Excess of Revenue over Expenses	**$ -**	

Figure 9 shows Eastholme's budget for 2025. The budget includes a 2.5% or $39,700 increase in the levy over 2024 for a total municipal levy of $1,626,000.

The far-right column contains the anticipated level of care funding by envelope which also agrees to figure 2.1 above. Please note that BSO funding is considered to be part of Program and Support Services Envelope.

The Corporation of the Municipality of Powassan
Statement of Remuneration and Expenses
Paid to/for Members of Council in 2024

Council January 1 to December 31, 2024

Name	Remuneration	Committees/Boards Earnings/Expenses	Expenses	Total
Mayor Peter McIsaac	11,999.72	1,085.00	2,239.12	15,323.84
Deputy Mayor, Markus Wand	7,607.53	-	740.00	8,347.53
Councilor, Dave Britton	7,492.18	9,712.58	925.75	18,130.51
Councilor, Randy Hall	7,492.18	1,902.00	796.73	10,190.91
Councilor, Leo Patey	7,492.18	-	735.34	8,227.52
TOTALS	**42,083.79**	**12,699.58**	**5,436.94**	**60,220.31**

Dated: March 13, 2025

Statement of Treasurer-Municipal Act 2001 PART V1, Section 284(1)
The remuneration and expenses are authorized by By-Law No. 2024-05

Treasurer

The Municipality of Powassan

STAFF REPORT

To: Council
From: K. Bester, Deputy Clerk
Re: Enabling Accessibility Fund
Date: March 10, 2025

For Information Purposes –

Please note that we received confirmation that our application to the above noted program was successful. We will be funded $56,418.00 to replace the Incline Lift at 250 Clark.

We included for a municipal contribution for this project of $18,806.00 in the funding application. Please note however that we also included for $55,480.50 for this lift under the NOHFC – Rural Enhancement program. This should reduce or remove the requirement for our $18,806.00 contribution. The NOHFC – Rural Enhancement program is also providing up to $112,414.50 for the replacement of the wall and the handsfree door at Glendale Hall.

The Municipality of Powassan

STAFF REPORT

To: Council
From: K. Bester, Deputy Clerk
Re: OPG Regional Empowerment Grant
Date: March 10, 2025

For Information Purposes –

Please note that we received confirmation that our application to the above noted program was successful. We will be funded $2,500.00 to put towards the cost for a lifeguard / swimming instructor. This amount will pay for approximately half of one lifeguard/swimming instructor's salary for the 2025 season.

This program supports grassroots initiatives in communities in which OPG has a presence.

The Municipality of Powassan

STAFF REPORT

To: Council
From: F. Schmeltz, Manager of Operations and Facilities
Re: February Work List

That the Public works update be received for informational purposes.

Date: February	Work Completed
1	Patrolled Roads, Spot sanded Memorial Park Dr and Chiswick Line
2	Moved snow around Powassan and 13 loads near Hawk and Fox
3	Plowed and Sanded all roads, hydraulic line broke on Fire Dept trackless, Trout Creek trackless alternator dead(replaced) T.C. trackless stuck in ditch on MTO sidewalks. 2013 FL wing bracket broke, collected garbage
4	Plowed and sanded T.C. sidewalks, Fire Dept blew a hydraulic line, plowed and sanded pavements, scraped West side with grader & pushed snow dump, created a "down time" list to track machine repairs, collected garbage,
5	Collected garbage, patrolled roads, grader cut roads on West side, worked on 2011 and 2013 FL, cleaned Powassan sidewalks,
6	Collected garbage, sanded all roads, plowed lagoons, created summer work list, patrolled roads,
7	Collected garbage, plowed all roads, sidewalks and parking lots (4am)
8	Patrolled Roads
9	Patrolled roads
10	Collected garbage, plowed and sanded all roads, sidewalks and parking lots (4am) 1 Staff taking drinking water course
11	Collected garbage, patrolled roads, plowed and sanded roads, took snow off roof of TCCC, 1 staff taking drinking water course
12	Collected garbage, grader cut build up on roads, removed snow from TCCC, 1 staff taking drinking water course
13	Collected garbage, plowed and sanded all roads, sidewalks and parking lots, moved snow off TCCC, 1 staff taking drinking water course
14	Collected garbage, cleaned up roads from previous day's snowstorm, 1 staff taking drinking water course
16	Plowed roads 12:30 pm to 10:00 pm.
17	Plowed and sanded all roads, sidewalks and parking lots,
18	Patrolled roads, plowed pump houses, grader cut build up on Memorial Park Dr East and cut snowbanks, plowed sidewalks, removed snow around fire hydrants, collected garbage,
19	Pushed snowbanks on the East side, Plowed snow drifts, cleaned snow around fire hydrants, collected garbage
20	Collected garbage, grader cut build up and snowbanks on Chiswick Line and Pinetree way

21	4 am start, removed snowbank from Valu-Mart to Memorial Park Dr, cut snowbanks with grader on the North end, backhoe moved snow at TCCC, around TC and in Powassan, collected garbage,
23	Plowed main arteries and sidewalks
24	Collected garbage plowed and sanded all roads, sidewalks and parking lots, 2013 Fl wing broke (welding required) Plugged sewer, Plumber augured and cleared blockage.
25	Plowed all roads, parking lots and sidewalks, grader cut build up and snowbanks on the West side, collected garbage, 1 staff on training
26	Collected garbage, sanded all roads, grader cut build up on roads and snowbanks on the West and South sides, sanded TC sidewalks, 1 staff on training
27	Collected garbage, grader cut build up on roads and snowbanks on the South end, moved snow at Glendale hall for pancake breakfasts, sanded friendship hall in TC, sanded Glendale hall, spot sanded, patrolled roads,1 staff on training
28	Collected garbage, replaced broken wing cylinder on 2013 FL, sanded Powassan streets,

The Municipality of Powassan

STAFF REPORT

To: Council
From: Treasurer/Director of Corporate Services
Re: Grant Opportunities for the TCCC

RECOMMENDATION:

Received for information purposes.

ANALYSIS:

At the March 4, 2025, regular meeting of Council, staff were directed to compile a list of potential funding opportunities to either repair or replace the Trout Creek Community Centre.

Please note that, while an effort has been made to research substantial potential funding avenues under either avenue, this report is by no means comprehensive; new grant streams are released regularly and, depending on the path chosen, smaller grants could be pursued for specific project components.

The following are some potential avenues for funding:

- Ontario Community Sport and Recreation Infrastructure Fund: provides funding for new build projects to replace existing recreational infrastructure that has reached the end of their lifespan. This stream provides funding for 50% of the total project costs, up to $10 million. Under certain circumstances, Municipalities may be provided a special exemption to receive funding for up to 70% of eligible costs. Note that a Council resolution has already been passed in support of an application under this funding stream.
- NOHFC's Enhance Your Community Fund: funding for repairs, renovations and/or replacements of certain community infrastructure. This stream offers 50% funding of eligible costs, up to a maximum of $2 million.
- NOHFC's Rural Enhancement Program: offers funding towards repairs and/or renovations to improve and extend the useful life of capital assets, including social and recreational facilities. Funding is eligible to offset up to 75% of eligible project costs, to a maximum of $500,000. The Municipality has a current agreement under this funding stream for repairs to the Glendale Hall; however, multiple applications may be allowable per the program guidelines.
- OTF Capital Grant: funding of up to $200,000 to repair, renovate, and/or retrofit a facility structure. Note that the Municipality is currently using this funding stream to repair the pool; therefore, we would not be eligible to reapply until 2026.

While not currently available, there is also an expectation that the following related funding streams could reopen in this calendar year:

- Green and Inclusive Community Buildings Program: funding for either the repair of existing community buildings to improve environmental outcomes, or the construction of new energy-efficient community buildings. Note that, under either funding option, the building is required to be fully accessible.
- Enabling Accessibility Fund: offers funding for new construction or retrofit projects designed to remove barriers for people with disabilities in accessing programs and services. The Municipality was successful in applying under the 'Small Projects' stream in 2024 to replace the stair lift at 250 Clark Street; per the program guidelines, this may hinder our ability to receive funding in the next call for proposals.
- FCC AgriSpirit Fund: a smaller grant of up to $25,000 towards the construction of, or upgrades to, community buildings. Note again that the funding tends to prioritize accessible/inclusive infrastructure.

Further consideration should also be given to whether or not the funding streams allow stacking; for example, while NOHFC funding typically allows this, the CSRIF does not allow stacking of other Provincial funding.

Regardless of the option chosen, Municipalities are required to demonstrate that they have the capacity for, and plan in place to, fund both their share of the immediate project costs and the ongoing maintenance of the infrastructure. In addition, Municipalities must also show that the investments being made are in alignment with their Asset Management Plans and other strategic planning documents.

THE CORPORATION OF THE MUNICIPALITY OF POWASSAN
(HOUSEKEEPING ZONING AMENDMENT)
BYLAW NO. 2025-06

Being a Bylaw to amend By-law No. 2003-38, as amended, the Zoning Bylaw for the Municipality of Powassan with respect to lands described as Con. 1, Part Lot 26, Plan PSR 1995, Part 2, PCL 10770 NS (49 Highway 522) in the Municipality of Powassan.

WHEREAS the Council of the Corporation of the Municipality of Powassan is empowered to pass Bylaws to regulate the use of land pursuant to Section 34 of the Planning Act, 1990;

AND WHEREAS the owners of the subject lands have filed an application with the Municipality of Powassan to amend Bylaw No. 2003-38, as amended;

AND WHEREAS the Council of the Corporation of the Municipality of Powassan deems it advisable to amend Bylaw 2003-38, as amended;

NOW THEREFORE the Council of the Corporation of the Municipality of Powassan enacts as follows:

1. Schedule 'C' to Zoning Bylaw No. 2003-38 as amended, is hereby further amended by re-zoning affected lands described Con. 1, Part Lot 26, Plan PSR 1995, Part 2, PCL 10770 NS (49 Highway 522) in the Municipality of Powassan from EP (Environmental Protection Zone to RU (Rural) Zone as shown on Schedule 'A-1' attached hereto and forming part of this By-law.

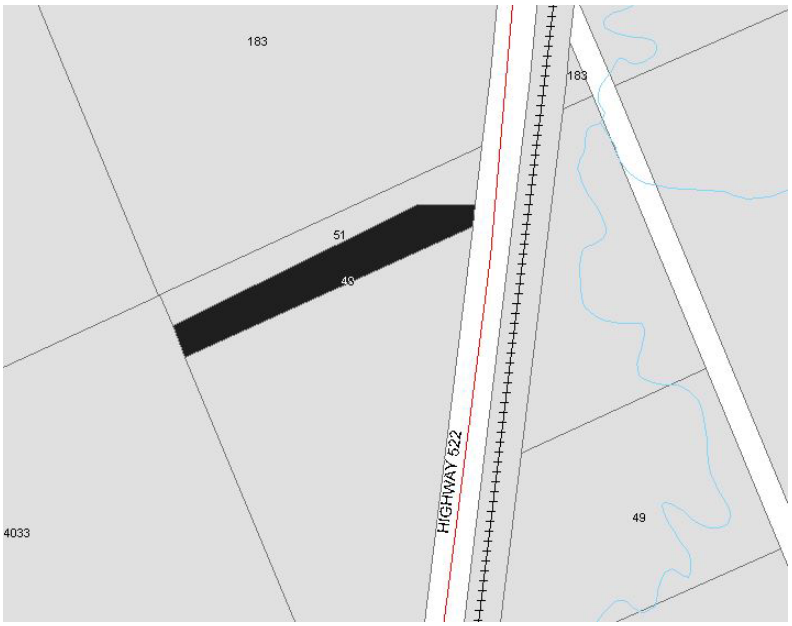
2. This Bylaw shall come into effect upon the date of passage hereof, subject to the provisions of Section 34 (30) and (31) of the Planning Act, 1990.

To be **READ** a **FIRST** and **SECOND** time on the 18th day of March 2025 and to be **READ** a **THIRD** and **FINAL** time and considered passed as such in open Council on the 1st day of April 2025.

_____ _____

Mayor Clerk

Schedule 'A-1'



Lands to be rezoned from
EP (Environmental Protection) Zone to
RU (Rural) Zone

THE CORPORATION OF THE MUNICIPALITY OF POWASSAN

BYLAW 2025-07

Being a Bylaw to set the annual remuneration to be paid to the
Mayor, Deputy Mayor, and Councillors

WHEREAS the Municipal Act 2001, Section 283 provides that a Council of a municipality may by by-law provide for remuneration and expenses and payment thereof for its members, officers and employees of the Corporation;

AND WHEREAS the Council of the Municipality of Powassan deems it necessary and expedient to replace Bylaw #2024-05 with a new Bylaw that sets out the annual remuneration and benefits for Council members;

BE IT THERFORE the Council of the Corporation of the Municipality of Powassan hereby enacts as follows:

1. (a) That the Mayor be paid the annual amount of $12,000.00.

   (b) That the Deputy Mayor be paid the annual amount of $8,347.60.

   (c) That each Councillor be paid the annual amount of $8,144.00.

2. That the Municipal Treasurer shall adjust the annual remuneration paid to the Mayor, Deputy Mayor, and each Councillor to reflect the same cost of living percentage salary adjustments that may be granted to Municipal staff, with the same effective dates.

3. That each Members of Council's remuneration be paid on a bi-weekly basis and is subject to source deductions.

4. Members of Council are issued Municipally owned and maintained cellphones for Council duties. The Municipality recognizes that members of Council may elect to use personal cellphones in carrying out their duties for the Municipality, in lieu of being provided a dedicated device, and in such circumstances shall be provided an allowance of $20.00 per month as a contribution towards their personal expense, as per Section 3.15 of the Municipal Human Resource Policy Manual.

5. That the Mayor, Deputy Mayor, and each Councillor be paid $500.00 annually to compensate for their mileage for civic business within the boundaries of the Municipality of Powassan, and that this amount be remitted at the beginning of each calendar year.

6. That discretionary constituency, conference, and training expenditure budgets for Members of Council be established as operational budget items for annual review. Attendance to any such event must be approved by Council resolution. All expenses related to any accompanying individual brought to the session by a Member of Council shall be paid personally.

7. All members of council will be provided expense sheets to record mileage and any other municipal-related expenses incurred for conference and/or training purposes. All expense claims shall be submitted as incurred, and payment remitted within thirty (30) days of submission.

8. That travel be paid at the current per-kilometre rate, as established by the Canada Revenue Agency for travel in excess of 5,000 km, to the driver of a vehicle for meetings attended outside the boundaries of the Municipality of Powassan. Members of Council may claim the mileage rate when travelling for authorized municipal business to a destination greater than 25 kilometres from their home address.

9. That where two (2) or more municipal officials are travelling to the same event, carpooling is encouraged, with the exception that a quorum of Council is unauthorized to travel in one (1) vehicle.

10. That meal expenses will be paid as actually incurred and substantiated by receipts. No alcohol purchases will be the ultimate responsibility of the Municipality. A daily maximum of $75.00, before HST, is set for meal expenses, with any additional costs incurred at the Member of Council's expense. The Municipality will pay for tips at a rate not to exceed 15 percent of the net amount shown on the receipt, with any additional tips paid by the Member of Council.

11. That a per diem rate of $150.00 per day be paid to Members of Council attending various conferences, seminars, workshops, courses, forums, and meetings approved by resolution of Council for Municipal purposes.

12. That any alcohol purchases or other expenses incurred contrary to the provisions of this Bylaw shall first be recovered against any outstanding expense claims made. Where insufficient expense claims are available, the Member of Council shall be invoiced directly for the amount owing.

13. That Bylaw 2024-05, and any other Bylaws, or parts thereof, contrary hereto or inconsistent herewith, be and the same are hereby repealed.

14. That this Bylaw shall come into full force and effect upon adoption.

READ a **FIRST** and **SECOND** time on the 18th day of March 2025 and to be **READ** a **THIRD** and **FINAL** time and considered passed as such in open Council on the 1st day of April, 2025.

_____ _____

Mayor Clerk

ONTARIO CLEAN WATER AGENCY
AGENCE ONTARIENNE DES EAUX

2024 Annual Performance Report for the Powassan Sewage Treatment Lagoon & Sewage Collection System

January 1, 2024 to December 31, 2024

PREPARED BY

Ontario Clean Water Agency
on behalf of the Municipality of Powassan

Date: March 11, 2025
Rev: 0

Revision History

Rev. No.	Date	Prepared by:	Approved by:	Description
0	March 11, 2025	M. Malette, PCT	P. Dyrda, Sr Ops Manager	Revision 0 issued

Table of Contents

List of Tables

List of Figures

Executive Summary

The Ontario Clean Water Agency (OCWA) acts as the operating authority for the Powassan wastewater treatment system under contract with the Municipality of Powassan. The enclosed 2024 Report for the above-referenced facility summarizes the performance and related activities in accordance with Environmental Compliance Approval (ECA) #7092-9XLLAN; Section 11(5). Environmental Compliance Approval was issued June 24, 2015.

Introduction

Condition 11(5) of ECA No. 7092-9XLLAN for the Powassan Sewage Treatment Lagoon requires the Owner to prepare and submit a performance report to the Ministry of the Environment's District Manager on an annual basis by March 31 for the preceding calendar year. The 2024 Annual Performance Report was prepared by the Ontario Clean Water Agency (OCWA) on behalf of the Municipality of Powassan and is based on information kept on record by OCWA. The report has been completed in accordance with the approval and contains, but is not limited to the following information outlined in the ECA:

- A summary and interpretation or all influent monitoring data, and a review of historical trend of the sewage characteristics and flow rates;
- A summary and interpretation or all final effluent monitoring data, including concentration, flow rates, loading and a comparison to design objectives and compliance limits in the Approval, including an overview of the success and adequacy of the Works;
- A summary of all operating issues encountered and corrective actions taken;
- A summary of all normal and emergency repairs and maintenance carried out on any major structure, equipment, apparatus or mechanism forming part of the Works;
- A summary of any effluent quality assurance or control measures undertaken;
- A summary or the calibration and maintenance carried out on all influent and final effluent monitoring equipment to ensure that the accuracy is within the tolerance of that equipment as required in this Approval or recommended by the manufacturer;
- A summary of efforts made to achieve the design objectives in this Approval, including an assessment of the issues and recommendations for pro-active actions if any are required under the following situations:
    - *i* when any of the design objectives is not achieved more than 50% of the time in a year, or there is an increasing trend in deterioration of final effluent quality;
    - *ii* when the annual average daily influent flow reaches 80% of the rated capacity;
- A summary of any complaints received and any steps taken to address the complaints;
- A summary of all bypasses, overflows, and other situations outside normal operating conditions and spills within the meaning of Part X of EPA and abnormal discharge events;
- A summary of all Notice of Modifications to Sewage Works completed under Schedule B section 3, including a report on the status of implementation of all modifications;
- A summary of efforts made to achieve conformance with Procedure F-5-1 including but not limited to projects undertaken and completed in the sanitary sewer system that result in overall bypass/overflow elimination including expenditures and proposed projects to eliminate bypass/overflows with estimated budget forecast for the year following that for which the report is submitted;

- Any changes or updates to the schedule for the completion of constructions and commissioning operations of major process(es)/equipment groups in the Proposed Works;

1 System Description

Sewage System Name:	**Powassan Sewage Treatment Lagoon**
Sewage System Works Number:	10000613
Sewage System Address:	Powassan Ontario
Sewage System Owner:	Corporation of the Town of Powassan
Sewage Treatment ECA:	7092-9XLLAN Issued 24 June, 2015 revokes ECA No. 1040-7U2QV6 1040-7U2QV6 Issued 12 August, 2009 revokes ECA No. 3-1429-80-006 (for install 100 kW natural gas gen set)
Air ECA:	3319-7TQQBE Issued 09 July 2009 revokes ECA No. 3-0523-83-006
Reporting Period:	January 1, 2024 to December 31, 2024

Capacity of Works:	940 m^3/day annual average
Service Area:	Town of Powassan
Service Population:	1000
Effluent Receiver:	Genessee Creek- South River- Lake Nipissing
Major Process:	Three Waste Stabilization Lagoons

The Powassan Wastewater Lagoon is a Class 1 facility that provides sewage treatment for the community Powassan. Environmental Compliance Approval No: 7092-9XLLAN allows an average rated capacity of 940 m^3/day. The Town of Powassan Sewage System consists of gravity sewer mains that flow to two pumping stations with submersible Flygt pumps and associated force mains and controls serving the Town of Powassan. The force mains from the lift stations discharge into a three-cell stabilization pond (lagoon) located on part of Lots 17 and 18, Concession XIII, Township of Himsworth South.

OCWA employees operate the wastewater treatment system. OCWA maintains raw sewage flow data, raw sewage monthly sample analysis data, lagoon pre-release data, and lagoon release effluent analysis data in an electronic process database.

The Powassan Wastewater Treatment systems consist of three cell lagoons. Cell #2 South and Cell #1 North have a combined surface area of 7.2 ha & depth of 1.8 m each with a storage capacity of 140,500 m^3. Cell #3, referred to as the Old Cell, is the original single cell waste stabilization pond approximately 2.83 ha & depth of 1.5 m with a storage capacity of 39,700 m^3. These are complete retention lagoons that are seasonally released. The lagoon discharges are conducted in the spring and fall of the year. Pre-discharge sample analysis results are utilized to dictate the need for batch chemical treatment with ferric sulphate for phosphorus removal and TSS removal. The lagoons discharge to Genessee Creek - South River - Lake Nipissing after treatment. There are no significant downstream users within 3.5 km.

The Wastewater Collection System is a class 2 collection system. Pumping Station number (No.) 1, the Clark Street SLS is located in Lot 16, Concession XII, in the Town of Powassan, approximately 103 meters (m) North of Clark Street and approximately 250 m East of Highway 11 in a field behind the Public Library. It is equipped with two submersible pumps each rated at 2,179 liters per minute (L/min) at 21 feet (ft.) total dynamic head (TDH), complete with controls, and an emergency overflow bypass to Genessee Creek; the station pumps directly to the lagoons. The standby 100 kilowatt (kW) emergency generator that provides emergency power for this station during power outages became operational early on 2010.

Pumping Station No. 2, the St. Gregory Station is located on Lot 17 approximately 20 m south of the Genesee Creek, at the North East corner of the schoolyard. It is equipped with two Flygt submersible pumps each rated at 1800 L/min (30.2 liters per second (L/s)) at 15.1 m or 50 ft. TDH, complete with controls and an emergency overflow bypass to Genessee Creek; the station pumps directly to the lagoons. This station utilizes standby power capabilities from a 65 kW emergency diesel generating station located at the nearby Water Treatment Plant.

2 Monitoring Program

2.1 Monitoring Program as Outlined in the Environmental Compliance Approval

Table 1: Analytical Parameters

BOD_5	Five Day Biochemical Oxygen Demand – is measured in an unfiltered sample; includes carbonaceous and nitrogenous oxygen demand. It refers to the amount of oxygen consumed by organic matter in a specific volume of water at a specific temperature over a 5 day period. High BOD_5 in effluent means a large quantity of oxygen was needed to break down the organic matter and identifies a large amount of organic matter in the effluent indicating inadequate treatment.
$cBOD_5$	Five-day carbonaceous biochemical oxygen demand – represents the oxygen depletion associated with the biodegradation of organic compounds and the oxidation of inorganic compounds such as ferrous iron and sulphide within 5 day period and at a specific temperature. High $cBOD_5$ in sewage effluent means a large quantity of oxygen was needed to break down the organic and inorganic matter in the effluent indicating inadequate treatment.
TSS	Total Suspended Solids – the dry weight of suspended particles that are not dissolved in water and can be filtered. TSS is composed of settleable solids and non-settleable solids depending on the size, shape and weight of the solid particles. Settable solids are large sized particles that tend to settle more rapidly in a given period of time.

Table 1: Analytical Parameters

TP	Total Phosphorus – a measure of all phosphorus found in a sample, whether it is dissolved or particulate. TP is commonly used to determine the health of water bodies. Excess TP stimulates algae and weed growth that may cause fluctuations in dissolved oxygen in the receiving waters.
TAN	Total Ammonia Nitrogen – the total amount of nitrogen in the forms of Ammonium (NH_4) and Ammonia (NH_3). Ammonia is one of several forms of nitrogen that exist in aquatic environments and can cause direct toxic effects on aquatic life. High levels of ammonia can corrode and damage critical pieces of infrastructure.
TKN	Total Kjeldahl Nitrogen – measures both total organic nitrogen and ammonium. Excess nitrogen in water bodies can lead to harmful algal blooms and other negative impacts on aquatic ecosystems.
Unionized Ammonia	A neutral toxic form of nitrogen in an un-ionized state. Ammonia is an environmental concern, especially because of its danger to human or aquatic life.
NO_2-N	Nitrogen as Nitrite – can cause excessive algae and plant growth which can deplete oxygen of waterbodies resulting in the death of fish and other aquatic organisms.
NO_3-N	Nitrogen as Nitrate – nitrates are essential plant nutrients, but in excess amounts they can cause significant algae and plant growth and contribute to water quality problems.
E. coli	*Escherichia coli* – Thermally tolerant forms of Escherichia bacteria that can live in the intestines of humans and warm-blooded animals. There are hundreds of *E. coli* strains and most are relatively harmless, however a notorious exception is *E. coli* strain 0157:H7, an emerging pathogen that produces a powerful toxin and can cause severe illness. *E. coli* is used as the most widely adopted indicator of faecal pollution in water and wastewater.
pH	pH – expresses the degree or intensity of both acidic and alkaline reactions on a scale from 0 to 14 with 7 being neutral, number less than 7 signify increasingly greater acidic solutions, and numbers greater than 7 signify increasingly basic or alkaline reactions. Very high or very low pH levels can be corrosive to pipes, screening equipment and pumps, can damage biological processes and form undesirable toxic gases or heavy metals.

Table 2: Sampling Requirements for the Raw Sewage (Influent)

Parameter	Type of Sample	Minimum Frequency
BOD_5	grab	quarterly
TSS	grab	quarterly
TP	grab	quarterly
TKN	grab	quarterly

Table 3: Sampling Requirements for the Lagoon Contents

Parameter	Type of Sample	Minimum Frequency
$cBOD_5$	grab	At least 7 days prior to discharge.
TSS	grab	At least 7 days prior to discharge.
TP	Grab	At least 7 days prior to discharge.
pH	grab	At least 7 days prior to discharge.

Table 4: Sampling Requirements for the Final Effluent- During Discharge

Parameter	Type of Sample	Minimum Frequency
$cBOD_5$	Grab	the start of discharge, at 25%, 50% , 75% drawdown, and also at the end of the discharge
TSS	Grab	
TP	Grab	
TAN (NH_3^- + NH_4 as N)	grab	
pH	grab/field	
Temperature	grab/field	
Unionized Ammonia	calculation	

3 Interpretation of Monitoring and Analytical Data

3.1 Influent Flow

The Raw Sewage from both the Clark Street and St. Gregory School sewage lift stations (SLS) are pumped independently directly to the lagoons and the flow is monitored by Mag flow meters at each station. The operator takes readings daily and total flows are calculated and recorded on a daily log sheet and later transferred to OCWA's database. The total discharge from each cell (effluent) is estimated and recorded by an established engineering technique based on the lagoon dimensions and drawdown.

The maximum daily influent/raw flow of (1988 m^3/d) occurred in April 2024 and was approximately 211% of the average day rated influent capacity.

The annual average daily flow for 2024 (506.82 m^3/d) was approximately 53.9% of the rated day capacity (940 m^3/d). This shows the adequacy of the works as the system is well below the rated capacity; showing that the treatment amount is adequate.

Refer to *Appendix B* for raw (influent) sample data.

Figure 1 compares the monthly influent flow rates recorded in 2024 to the rated capacity of the plant.

3.1.1 Monthly Influent Flows

Table 5: Comparison of the Monthly Influent Flows to the Rated Capacity

2024	Total Influent Flow (m^3/d)	Average Daily Influent Flow (m^3/d)	% of the Avg. Capacity (940 m^3/d)	Maximum Influent Flow (m^3/d)
January	13,513	436	46%	524
February	14,374	496	53%	901
March	18,235	588	63%	870
April	23,623	787	84%	1,989
May	15,761	508	54%	633
June	14,627	488	52%	1,553
July	15,305	494	53%	813

2024	Total Influent Flow (m^3/d)	Average Daily Influent Flow (m^3/d)	% of the Avg. Capacity (940 m^3/d)	Maximum Influent Flow (m^3/d)
August	11,857	382	50%	479
September	13,994	466	50%	1,253
October	12,684	409	44%	527
November	15,457	515	55%	677
December	16,068	518	55%	1,117

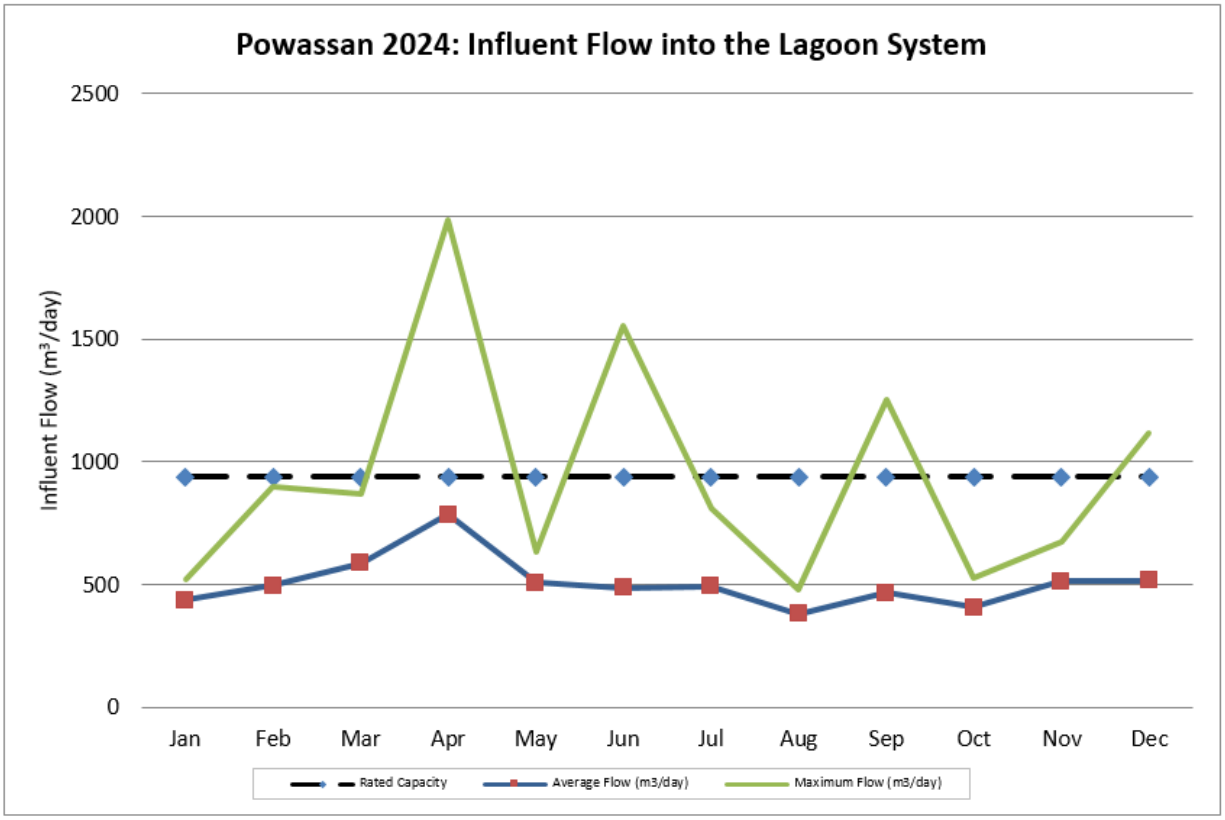


Figure 1 – 2024 Influent Flow

3.1.2 Annual Influent Flows

Table 6: Comparison of the Annual Influent Flow to the Rated Capacity

Design Capacity (m^3/day)	940	Maximum Flow Capacity (m^3/day)	N/A
2024 Average Flow (m^3/day)	507	2024 Maximum Flow (m^3/day)	N/A

Percent of Capacity (%)	53.9%	Percent of Capacity (%)	N/A
Total volume of wastewater treated in 2024		185,498m^3	

3.1.3 Historical Influent Flows

Table 7: Comparison of Historical Influent Flows (2013 to 2024)

Year	Total Influent Flow (m^3/d)	Average Day Flow (m^3/d)	Maximum Influent Flow (m^3/d)	% of the Avg. Capacity (940 m^3/d)
2024	185,497	506	1989	54%
2023	200,720	550	1896	59%
2022	180,914	496	1432	53%
2021	190,198	521	1801	55%
2020	181,033	495	1497	53%
2019	228,970	627	2406	67%
2018	204,566	560	1893	60%
2017	255,702	701	2588	75%
2016	200,750	549	2970	58%
2015	215,628	590	2,577	59%
2014	278,009	762	2,860	76%
2013	254,762	698	2,315	69.8%
2012	248,030	677	2,042	68%
2011	283,219	775	2364	77%
2010	288,195	796	1,731	80%
2009	345,437	946	2,696	95%
2008	235,728	1026	3,106	103%
2007	328,365	900	2,040	90%

*Therefore the 2024 total raw sewage flow is slightly lower from the total raw sewage flow in 2023.

3.2 Effluent Flows

In 2024, there were four (4) lagoon cells released.

The spring controlled seasonal release of the lagoons was completed after the liquid surface in the lagoon had become substantially free of ice cover, terminating within sixty (60) days thereafter, as specified in the ECA. The total volume of lagoon discharge over the spring seasonal

release period was 127,997 cubic meters (m^3). The total number of discharge days was 32 days beginning April 23 and ending May 24. Lagoons became ice free on March 27. In an effort to meet the effluent limits and objectives, both the South Cell #1 and North Cell #2 lagoons were treated with ferric sulphate prior to discharge.

The fall controlled seasonal release of the lagoons was completed between the dates of Oct. 15 and Nov. 30, as specified in the ECA. The total volume of lagoon discharge over the fall release period was 74,973 m^3. The total number of discharge days was 37 days beginning Oct. 17 and ending Nov. 22. In an effort to meet the effluent limits and objectives, both the North Cell #2 and Old Cell #3 lagoon were treated with ferric sulphate prior to discharge.

The total controlled release from the lagoons for the year 2024 was 202,970 m^3.

The total discharge from each cell is estimated and recorded by an established engineering technique based on the lagoon dimensions and drawdown.

3.3 Influent (Raw Sewage) Quality

An OCWA operator collects a grab sample of raw sewage on a monthly basis and sends it to an accredited laboratory for analysis. Results are forwarded to OCWA and entered into the process database.

This section summaries the annual average and annual maximum concentrations of analytical parameters for 2024.

Table 8: Influent Concentrations – Powassan Lagoon

Parameter	Annual Average	Annual Maximum
BOD_5 (mg/L)	206	475
TSS (mg/L)	162	340
TP (mg/L)	3.23	5.14
TKN (mg/L)	29	47

"<" means values include results that were less than the laboratory's method detection limit

3.4 Lagoon Cell Contents

The lagoon cell contents are sampled and analyzed for compliance parameters prior to release. Results are utilized to dictate whether or not the lagoon cell contents meet the prescribed effluent quality requirements specified in the ECA. They are also used to indicate the need for batch chemical dosage prior to discharge and to achieve the necessary reductions in phosphorus concentrations. The ECA requires the minimum sampling consisting of collection and analysis of 5 samples per seasonal discharge. Which means that one sample must be taken at the start of

discharge, at 25%, 50% and 75% drawdown, also at the end of the discharge. The practice is to collect and analyze lagoon effluent at each foot of lagoon drawdown during the period of release.

The total discharge from each cell is estimated and recorded by an established engineering technique based on the lagoon dimensions and drawdown.

The ponds are to be operated to provide two controlled discharges: spring (after the liquid surface in the lagoon had become substantially free of ice cover, terminating within sixty (60) days thereafter) and fall (not earlier than October 15 and not later than November 30).

3.5 Effluent Quality

The Powassan sewage effluent quality is based on the carbonaceous biochemical oxygen demand ($cBOD_5$), total suspended solids (TSS), total phosphorus (TP), pH, total chlorine residual and *E.coli* levels . In 2024, the system produced a very good quality effluent which met the compliance limits specified in the system's ECA, except for TSS 25.8 mg/L (limit 25 mg/L) for fall discharge.

An annual summary of the final effluent parameter levels are shown in Table and an annual summary of the effluent loadings are presented in **Error! Reference source not found.**.

Table 9: Effluent Concentrations

Parameter	Spring Average	Fall Average	Compliance Limit	Objectives
$cBOD_5$ (mg/L)	6.8	7.5	25.0	20 (annual average)
TSS (mg/L)	18.20	25.8*	25	20 (annual average)
TP (mg/L)	0.22	0.24	1.0	0.8 (annual average)
Field pH Max	7.41	6.95	9.5	9.0
Field pH Min	6.46	6.60	6.0	6.5
Temperature (°C)	15.9	9.9	N/A	N/A
TAN (mg/L)	12.5	1.7	N/A	N/A
Un-ionized Ammonia (mg/L)	0.031	0.003	N/A	N/A
E.coli (cfu/100mL)	< 2	30	N/A	N/A

*Exceedance for TSS in Fall release

Non-compliance with respect to the effluent concentration is deemed to have occurred when the seasonal average concentration of a minimum of five (5) samples per discharging cell taken during the discharge period exceeds the corresponding concentration set out above.

cfu ≡ colony forming units.

3.6 Sewage Treatment Program Success and Adequacy

Based on the above monitoring program, the sewage works provided successful and adequate treatment. All limits and objectives met; thus showing adequate and successful treatment. See table below and sections that follow for further information on the success and adequacy of the works.

Furthermore, there was TSS exceedance during the fall discharge. Lagoons were operated, sampled and monitored as per normal. The exceedance was reported to SAC on November 27. The reference number 1-DXZ6NK for the exceedance

The Performance Summary shows the efficiency of the plant performance through pollutant removal rates from raw sewage through to the final effluent.

Table demonstrates that the lagoon treatment process was very successful in decreasing the levels of BOD_5/$cBOD_5$, TSS and TP and fairly effective in reducing total ammonia (TKN/TAN) from the influent, producing a very good quality effluent.

Table 10: Performance Summary

Parameter	Influent *(annual average)*	Effluent *(annual average)*	% Removal
BOD_5/$cBOD_5$ (mg/L)	205	< 4.0	98%
TSS (mg/L)	162	23.68	85%
TP (mg/L)	3.23	0.28	91%
TKN/TAN (mg/L)	28.94	8.99	69%

"<" means values include results that were less than the laboratory's method detection limit.

NOTE: The annual average effluent data is calculated from the Old, South, and North Cells

4 Effluent Quality Assurance and Control Measures Undertaken

The following activities are included in regular operator and supervisory activities to assure high level performance of the sewage treatment operations including high effluent quality and accurate flow monitoring:

- Operational staff have current and appropriate level of certification for the operation of the facility and continue to learn and achieve knowledge of the process and equipment

Experienced staff has a high level of regulatory competence. New staff receives on-going training to achieve operational knowledge and regulatory competence.

- The pumping stations and the treatment lagoon are inspected by a certified OCWA operator regularly during the work week.
- Certified operators conduct daily reviews of selected data from continuous monitoring equipment which is captured by a remote monitoring system.
- In-house tests; pH, and temperature are conducted by licensed operators for monitoring purposes using standard methods for Water and Wastewater.
- Samples are collected as required and analyzed by SGS Laboratories located in Lakefield, Ontario. Analysis of the samples is conducted in accordance with the Standard Council of Canada (SCC), in cooperation with the Canadian Association for Laboratory Accreditation Inc. (CALA). Quality control procedures are method specific and include laboratory duplicate samples, spiked blanks and spiked duplicates.
- A sampling system which includes an excel developed sample calendar, which is updated at the beginning of each year, and a chain of custody binder are used to ensure all samples are collected as per the requirements identified in the system's ECA.
- Operations and Compliance staff review facility round sheets and laboratory reports to monitor the routine operation of the treatment system and ensure compliance with the ECA.
- All process and laboratory data is logged in a process data management system.
- Routine maintenance is scheduled and tracked to completion using OCWA's Workplace Maintenance System (WMS). Instrumentation equipment is tested and maintained as per manufacturer's recommendations.
- Certified operators monitor chemical usage and make adjustments as required.
- Ferric Sulphate batch chemical dosage prior to discharge and to achieve the necessary reductions in phosphorus concentrations.
- Any bypass, overflow or upset events that occur in the system are tested, monitored and reported to the local Health Unit and Spills Action Center (SAC) and local Health Unit.
- All flow and effluent quality data is reviewed by the Overall Responsible Operator and Compliance staff to identify any changes in concentrations and/or emerging trends. All non-compliances are reported to Ministry's Spills Action Center (SAC) and the local MECP inspector.
- The total discharge from each cell (effluent) is estimated and recorded by an established engineering technique based on the lagoon dimensions and drawdown.

The Powassan Lagoon has produced high quality effluent with only one objective exceedance for TSS.

5 Efforts Made to Meet Effluent Objectives

The Effluent Design Objectives are those levels of performance which can be achieved by treatment processes treating normal strength municipal sewage under optimum conditions. A sewage treatment facility should be able to produce annual average effluent quality approximately equal to the Effluent Design Objectives, but should not exceed the Effluent Compliance Limits. The objectives are used to promote continuous improvement in the operations of the works and to trigger corrective action before environmental impairment occurs.

OCWA uses a number of best efforts to achieve the Effluent Objectives.

- Certified operational staff have a high level of process knowledge and regulatory proficiency.
- Development of the sampling plan which meets or exceeds the minimum sample requirements as required in the ECA.
- The mechanical elements in the facility are regularly inspected, well maintained and kept in good repair. OCWA uses a computerized maintenance management program which generates works orders to ensure maintenance of equipment is proactively performed.
- Raw wastewater and effluent samples are collected as required and analyzed by SGS Laboratories, an accredited laboratory. OCWA reviews these results on a regular basis to confirm compliance with ECA objective and limits.
- In-house sampling and testing for selected operational parameters provides real-time results which are used to enhance process and operational performance.
- Routine inspection of the lagoons for berm stability, odours, and condition of cell contents including visual inspection to ensure effluent does not contain oil or other substance in amounts sufficient to create a visible film or sheen or foam or discolouration on the surface of the receiving waters, and is essentially free of any floating material.
- Pre-discharge cell contents samples are collected and analyzed for effluent parameters prior to discharge. The results are used to determine the amount of Ferric Sulphate required. Ferric Sulphate is used for total phosphorus and TSS removal
- Operations, maintenance and emergency procedures are available to ensure facilities are operated in compliance with applicable legal instruments. Facility staff has access to a network of operational compliance and support experts at the region and corporate levels.
- A five year rolling recommended capital and major maintenance report is used to assist the Owner and OCWA with planning infrastructure needs for the short and long terms. A letter summarizing capital work recommendations a provided to the Owner each year for their approval.

The systems' ECA requires a summary of efforts made to achieve the design objectives in the Approval, including an assessment of the issues and recommendations for proactive actions if any are required under the following situations:

- when any of the design objectives is not achieved more than 50% of the time in a year, or if there is an increasing trend in deterioration of final effluent quality;

All effluent objectives were met during the spring and fall discharge, except for TSS for fall release. The objective for carbonaceous biochemical oxygen demand ($cBOD_5$) is 20 mg/L, spring average was 6.8 mg/L and fall average was 7.5 mg/L. The objective for total suspended solids (TSS) is 20 mg/L, spring average was 18.20 mg/L and fall average was 25.6 mg/L. The objective was not met during the Fall discharge. The objective for total phosphorus (TP) is 0.8 mg/L, spring average was 0.22 mg/L and fall average was 0.24 mg/L. To meet these objectives the lagoon cells are dosed with ferric sulphate. The objective for pH is 6.5 – 9.0 at all times. Spring discharge maximum was 7.41 and minimum was 6.46; therefore, objective met at all times, except for one sample on May 10 below 6.50. Fall discharge maximum was 6.95 and minimum was 6.60; therefore, objective met at all times.

Table 11: Effluent Concentration Objectives

Parameter	Spring Average	Fall Average	Objective	Averaging Period	Exceedance
$cBOD_5$ (mg/L)	6.8	7.5	20	Annual average	No
TSS (mg/L)	18.20	25.8*	20	Annual average	YES
TP (mg/L)	0.22	0.24	0.8	Annual average	No

Parameter	Spring	Fall	Objective	Averaging Period	Exceedance
pH	6.46 to 7.41	6.60-6.95	6.5 to 9.0	Inclusive	**Yes**

"<" means values include results that were less than the laboratory's method detection limit

6 Operating Problems & Corrective Actions

Plant Bypasses and Alarms

All raw sewage flows to the lagoon are directed through the community's Clark Street and St. Gregory stations. Consequently, any bypass from these locations is defined as a "collection

system" bypass under the current ECA. In the event of very high sewage levels in the station wet well, raw sewage would flow from the well, through an overflow pipe to Genessee Creek.

Establishing a sodium hypochlorite drip would normally disinfect bypasses. There are no users immediately downstream within 3.5 kilometers (km). The operator is familiar with the requirements to report all bypass incidents to the Ministry of the Environment's Spills Action Center (MECP SAC). They are further aware of the need to record the approximate volume and duration of all bypasses on the OCWA form and all relevant bypass particulars on the operation spills/bypass/leak report forms.

The pumping station wet wells are equipped with high level alarms to alert of an impending or existing raw sewage bypass condition. The alarms are connected to a red light above the station. Also, OCWA has in place a continuous monitoring and backup automated alarm system that calls out pages to an on-call operator should a high level condition occur at either of the two lift stations.

The Powassan Lagoons operated well in 2024 with no operational problems and met all limits and objectives except for TSS for Fall discharge under condition 7 of ECA. However, there were two spills events that occurred.

Operating problems encountered during 2024 are summarized below.

1. The Powassan sewage lagoon exceeded TSS Limits during fall discharge. Reference number 1-DXZ6NK. TSS seasonal discharge average was 25.8 mg/L and limit is 25 mg/L. The exceedance was reported to SAC on November 27. TSS has been higher in those cells in recent years as compared to previous years. After dredging, we suspect there is no longer an adequate sludge blanket at the bottom of the lagoon to process the wastewater.

2. 341 Edward Street Vicinity – A spill occurred when sewer was cut. The soil was removed using excavator and dumped on excavation soil pile. Contaminated soil was brought to landfill. Incident occurred on July 9 and reported to SAC. Reference number 1-8R34FT.

3. Manhole at end of Edward Street North- Gravity sanitary line was plugged with debris and grease buildup leading to a complete blockage in the sanitary line. A manhole subsequently began overflowing with the waste stream flowing into Genesee Creek in Powassan. The waste stream was super chlorinated with pucks. The approximate volume was 3.61 m^3.

7 Maintenance Procedures Performed on the Works

Routine maintenance schedules are entered in OCWA's computerized Workplace Management System (WMS). This is a comprehensive maintenance program that is based on a pro-active and

preventive approach. This program includes but is not limited to running weekly, monthly, and annually checks as required or as recommended by manufacturer's instructions. All routine and preventative maintenance was conducted in 2024.

Significant maintenance that took place during 2024:

- Replaced AMO and RPM meters on the generator
- Fabricated new guide rails for the discharge chamber valves at the north and south lagoons. Also fabricated grates to prevent turtles from plugging the discharge pipes
- Performed CCTV inspection of the Genesee Creek sanitary run.
- Clark St sewage pump station generator failed to run. Replaced the battery and battery charger.
- CCTV sewer on Birch St.

Refer to Appendix D for a maintenance summary which includes preventative work, capital projects and emergency repairs.

8 Calibration & Maintenance of all Monitoring Equipment

Influent and effluent monitoring equipment is calibrated based on requirements of the system's ECA or manufactures recommendations. Flow meters are calibrated annually to ensure a required accuracy of +/- 15%. pH meters are calibrated to ensure an acceptable tolerance and accuracy as specified by the manufacturer.

Routine maintenance was conducted as scheduled by qualified Instrumentation Technicians during the reporting period. Refer to Table for a summary of calibrations conducted in 2024

Table 12: Calibration Summary

Instrument	Calibration Dates	% Accuracy
Raw Flow Meter – Clark St SLS	September 13, 2024	100%
Raw Flow Meter – St Gregory SLS	September 13, 2024	93%

9 Sludge Management

During the 2024 operating year, no sludge was removed. Sludge has been removed on an as needed basis. North Cell #2 was dredged in 2018. South Cell #1 was dredged in 2016. OCWA has taken sludge measurements in South Cell #1 and Old Cell #3 during the fall treatment of 2019. The amount of sludge in these two cells is relatively low with an average sludge depth in

Cell #1 of 1.67 inches and an average sludge depth in Cell #3 of 6 inches. The sludge depth will be measured approximately every 5 years while completing lagoon treatment. It is anticipated that the sludge volume will remain approximately the same during future years. The Municipality of Powassan may dredge Old Cell #3 in the near future, and if so, they will dispose of sludge at the nearby landfill.

10 Abnormal Discharge Events

10.1 Overflow, Bypass and Spill Events

Two (2) spills also occurred during the 2024 reporting period:

1. Manhole at end of Edward Street North- Gravity sanitary line was plugged with debris and grease buildup leading to a complete blockage in the sanitary line. A manhole subsequently began overflowing with the waste stream flowing into Genesee Creek in Powassan. The waste stream was super chlorinated with pucks. The approximate volume was 3.61 m^3. The incident was reported on February 12. SAC reference number 1-4NFUT6. One grab sample of spill was taken.

2. 341 Edward Street Vicinity – A spill occurred when sewer was cut. The soil was removed using excavator and dumped on excavation soil pile. Contaminated soil was brought to landfill. Incident occurred on July 9 and reported to SAC. The approximate volume was 5m^3 No sample of the spilled material was collected due to the short duration of the event. (SAC Ref No. 1-8R34FT).

The events were reported to the Ministry of the Environment's Spills Action Center (SAC) as per the system's approval, to Environment Canada as required under the Federal Fisheries Act and to the local Health Unit.

10.2 Efforts Made to Reduce System Overflows and Bypasses

The Powassan Sewage Treatment Lagoon has operated below its annual average rated capacity of 940 m^3/day for the past several years. .

A review of historical data (2013 to 2024) indicates that all bypass and overflow events do not typically occur at the lagoon, but in the collections system during snow melt and heavy rain events.

In an effort to reduce and/or eliminate overflow, bypass and spill events and to confirm with Procedure F-5-1, the following are in place.

- Emergency backup generators sewage pump stations
- A SCADA system is used to accurately monitor the sewage network and an alarm system is in place at key points in the process and at the sewage pumping stations to alert operators of any issues; power failures, high levels, equipment failures, loss of communication and intrusion.
- Regular routine maintenance is performed to help reduce overflows/bypasses/spills events. For example: monthly generator tests to ensure the generator will start during a power failure and equipment will continue to operate normally, monthly alarm testing and equipment maintenance.
- Repairs to the collection system are done promptly as issues occur.

11 Complaints

No complaints were received during the reporting period.

12 Notice of Modifications on Sewage Works

No modifications made as a result of Schedule B, Section 1 in 2024.

No modifications made as a result of Schedule B, Section 3. No normal or emergency operational modifications were performed in 2024.

13 Proposed Alterations to the Works

No major alterations to the system are planned for 2025.

APPENDIX A
Lagoon Release Reports

RELEASE REPORT FOR THE POWASSAN LAGOONS

ORG # 5747

SPRING RELEASE YEAR 2024

UAL - Unreliable Age Limit Exceeded

TYPE OF SAMPLE	CELL	DATE COLLECTED	DATE RECEIVED	$CBOD_5$ mg/L	TSS mg/L	pH		TP mg/L	Temp. Celcius	TAN mg/L	Unionized Ammonia mg/L	Ecoli CFU/100ml
CONTENT	North	27-Mar-24	28-Mar-24	24.0	48.00	8.04		1.03				
	South	27-Mar-24	28-Mar-24	31.0	33.00	8.16		0.46				
	Old											
TREATED	North	16-Apr-24	17-Apr-24	13.0	22.00	7.24		0.24				
	South	16-Apr-24	17-Apr-24	12.0	28.00	7.31		0.23				
	Old											
		DATE	DATE	$CBOD_5$	TSS	Field pH		TP	Field Temp.	TAN	Unionized Ammonia	Ecoli
CELL South	1st Sample	23-Apr-24	24-Apr-24	10.00	16.00	6.77		0.08	9.0	9.8	0.010	2
DRAWDOWN	2nd Sample	29-Apr-24	30-Apr-24	4.00	21.00	6.65		0.06	10.3	9.8	0.008	2
	3rd Sample	03-May-24	04-May-24	7.00	11.00	6.80		0.08	14.0	9.5	0.017	2
	4th Sample	07-May-24	08-May-24	5.00	18.00	7.41		0.09	20.3	8.9	0.092	2
	5th Sample	10-May-24	11-May-24	8.00	51.00	6.46		0.31	19.2	10.4	0.011	2
	6th Sample											
		DATE	DATE	$CBOD_5$	TSS	Field pH		TP	Field Temp.	TAN	Unionized Ammonia	Ecoli
CELL North	1st Sample	10-May-24	11-May-24	4.00	11.00	6.85		0.23	16.8	13.5	0.030	2
DRAWDOWN	2nd Sample	13-May-24	14-May-24	4.00	12.00	6.66		0.29	17.2	13.0	0.019	2
	3rd Sample	17-May-24	18-May-24	10.00	16.00	6.80		0.42	18.9	14.60	0.034	2
	4th Sample	21-May-24	22-May-24	10.00	15.00	6.85		0.35	20.8	16.60	0.049	2
	5th Sample	24-May-24	25-May-24	6.00	11.00	6.93		0.26	12.7	18.50	0.036	2
	6th Sample											
		DATE	DATE	$CBOD_5$	TSS	Field pH		TP	Field Temp.	TAN	Unionized Ammonia	Ecoli
CELL Old	1st Sample											
DRAWDOWN	2nd Sample											
	3rd Sample											
	4th Sample											
	5th Sample											
	6th Sample											

	$CBOD_5$	TSS	Field pH	Field pH	TP	Field Temp.	TAN	Unionized Ammonia	Ecoli
South Cell#1 AVG CONC OVER DISCHARGE PERIOD	6.8	23.4	6.5	7.4	0.1	14.6	9.7	0.03	2.0
North Cell #2 AVG CONC OVER DISCHARGE PERIOD	6.8	13.00	6.66	6.93	0.3	17.3	15.24	0.03	2
Old Cell #3 AVG CONC OVER DISCHARGE PERIOD	#DIV/0!	#DIV/0!	0.00	0.00	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#NUM!
Seasonal Avg Conc OVER Spring DISCHARGE PERIOD	6.8	18.20	6.46	7.41	0.22	15.9	12.5	0.031	2.0
Seasonal Concentration Limits per Powassan Lagoon C of A	25.0	25.0	6.00	9.50	1.00				
			min	max					

NOTES/COMMENTS

Averages calculated following WSER protocol.

3 Cell seasonal discharge lagoon. Treated with ferric sufate prior to release when Total Phosphorus reduction is required.

Cell #1 = South Cell = 3.60 HA x 1.8 m depth = 70,250 m^3

Cell #2 = North Cell = 3.60 HA x 1.8 m depth = 70,250 m^3

Cell #3 = Old Cell = 2.83 HA x 1.5 m depth = 39,700 m^3

Spring Release: Discharge commencing after the liquid surface in the lagoon has become substantially free of ice cover, terminating within sixty (60) days thereafter

The Effluent pH is to be maintained between 6.0 to 9.5 at all times to meet compliance

Compliance is on Seasonal Average Concentrations of CBOD5, Total Phosphorus and Suspended Solids

A minimum of five samples are required during each discharge period from each discharging cell

WSER requirements: TSS is to tested at least 1 time per discharge (or bi-weekly if discharge >30 days)

WSER requirements: CBOD5 is to tested at least 1 time per discharge (or bi-weekly if discharge >30 days)

WSER Effluent limits: CBOD5 and TSS = Annual average of 25 mg/L

DATE RELEASE STARTED:	**CELL#1 South**	**23-Apr-24**	**AMOUNT OF CHEMICAL USED**	**3409.52 IMPG**
DATE RELEASE STOPPED:		**10-May-24**	**DISCHARGE VOLUME**	
# of Discharge Days		**18**		**treated on April 11, 2024**
Approximate Daily Flow (m^3/d)				
DATE RELEASE STARTED:	**CELL#2 North**	**10-May-24**	**AMOUNT OF CHEMICAL USED**	**3409.52 IMPG**
DATE RELEASE STOPPED:		**24-May-24**	**DISCHARGE VOLUME**	
# of Discharge Days		**15**		**treated on April 11, 2024**
Approximate Daily Flow (m^3/d)				
DATE RELEASE STARTED:	**CELL #3 Old**		**AMOUNT OF CHEMICAL USED**	
DATE RELEASE STOPPED:			**DISCHARGE VOLUME**	
# of Discharge Days				
Approximate Daily Flow (m^3/d)				

Tot.# of Spring discharge days **32**

* the lagoons became ice free on : 27-Mar-24

TOTAL LAGOON EFFLUENT VOLUME DISCHARGE (m^3) : **127,997**

60 days after: 25-May-24

RELEASE REPORT FOR THE POWASSAN LAGOONS

ORG # 5747

Fall RELEASE YEAR 2024

UAL - Unreliable Age Limit Exceeded

TYPE OF SAMPLE	CELL	DATE COLLECTED	DATE RECEIVED	$CBOD_5$ mg/L	TSS mg/L	pH		TP mg/L	Temp. Celcius	TAN mg/L	Unionized Ammonia mg/L	Ecoli CFU/100ml
CONTENT	North											
	South	12-Sep-24	13-Sep-24	14.0	21.00	7.62		1.50				
	Old	12-Sep-24	13-Sep-24	4.0	6.00	7.62		0.32				
TREATED	North											
	South											
	Old											

		DATE	DATE	$CBOD_5$	TSS	Field pH		TP	Field Temp.	TAN	Unionized Ammonia	Ecoli
CELL South	1st Sample	31-Oct-24	01-Nov-24	<4	8.00	6.78		0.09	12.8	<0.1	<0.001	6
DRAWDOWN	2nd Sample	05-Nov-24	06-Nov-24	<4	8.00	6.87		0.12	11.5	0.1	<0.001	4
	3rd Sample	12-Nov-24	13-Nov-24	5.00	20.00	6.73		0.22	6.4	0.5	<0.001	100
	4th Sample	19-Nov-24	20-Nov-24	5.00	37.00	6.76		0.26	8.0	1.4	0.001	86
	5th Sample	22-Nov-24	23-Nov-24	16.00	96.00	6.71		0.68	8.3	3.3	0.003	200
	6th Sample											

		DATE	DATE	$CBOD_5$	TSS	Field pH		TP	Field Temp.	TAN	Unionized Ammonia	Ecoli
CELL North	1st Sample											
DRAWDOWN	2nd Sample											
	3rd Sample											
	4th Sample											
	5th Sample											
	6th Sample											

		DATE	DATE	$CBOD_5$	TSS	Field pH		TP	Field Temp.	TAN	Unionized Ammonia	Ecoli
CELL Old	1st Sample	17-Oct-24	18-Oct-24	<4	5.00	6.60		0.10	11.90	0.90	<0.001	<2
DRAWDOWN	2nd Sample	21-Oct-24	22-Oct-24	<4	4.00	6.75		0.10	14.90	1.20	0.002	16.00
	3rd Sample	24-Oct-24	25-Oct-24	4.0	5.00	6.72		0.21	12.00	1.60	0.002	16.00
	4th Sample	28-Oct-24	29-Oct-24	<4	34.00	6.95		0.24	6.40	2.40	0.003	62.00
	5th Sample	31-Oct-24	1-Nov-24	<4	41.00	6.89		0.42	6.89	3.50	0.007	<2
	6th Sample											

	$CBOD_5$	TSS	Field pH	Field pH	TP	Field Temp.	TAN	Unionized Ammonia	Ecoli
South Cell#1 AVG CONC OVER DISCHARGE PERIOD	8.7	33.8	6.7	6.9	0.3	9.4	1.3	0.00	33.4
North Cell #2 AVG CONC OVER DISCHARGE PERIOD	#DIV/0!	#DIV/0!	0.00	0.00	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#NUM!
Old Cell #3 AVG CONC OVER DISCHARGE PERIOD	4.0	17.800	6.60	6.95	0.21	10.42	1.92	0.00	25.131045
Seasonal Avg Conc OVER Spring DISCHARGE PERIOD	7.5	25.80	6.60	6.95	0.24	9.9	1.7	0.003	30.0
Seasonal Concentration Limits per Powassan Lagoon C of A	25.0	25.0	6.00 min	9.50 max	1.00				

NOTES/COMMENTS

Averages calculated following WSER protocol.

3 Cell seasonal discharge lagoon. Treated with ferric sufate prior to release when Total Phosphorus reduction is required.

Cell #1 = South Cell = 3.60 HA x 1.8 m depth = 70,250 m^3

Cell #2 = North Cell = 3.60 HA x 1.8 m depth = 70,250 m^3

Cell #3 = Old Cell = 2.83 HA x 1.5 m depth = 39,700 m^3

Spring Release: Discharge commencing after the liquid surface in the lagoon has become substantially free of ice cover, terminating within sixty (60) days thereafter

The Effluent pH is to be maintained between 6.0 to 9.5 at all times to meet compliance

Compliance is on Seasonal Average Concentrations of CBOD5, Total Phosphorus and Suspended Solids

A minimum of five samples are required during each discharge period from each discharging cell

WSER requirements: TSS is to tested at least 1 time per discharge (or bi-weekly if discharge >30 days)

WSER requirements: CBOD5 is to tested at least 1 time per discharge (or bi-weekly if discharge >30 days)

WSER Effluent limits: CBOD5 and TSS = Annual average of 25 mg/L

DATE RELEASE STARTED:	**CELL#1 South**	**31-Oct-24**	**AMOUNT OF CHEMICAL USED**	
DATE RELEASE STOPPED:		**22-Nov-24**	**DISCHARGE VOLUME**	
# of Discharge Days		**23**		**treated on**
Approximate Daily Flow (m^3/d)				
DATE RELEASE STARTED:	**CELL#2 North**		**AMOUNT OF CHEMICAL USED**	**1500 IMPG**
DATE RELEASE STOPPED:			**DISCHARGE VOLUME**	
# of Discharge Days				**treated on September 24, 2024**
Approximate Daily Flow (m^3/d)				
DATE RELEASE STARTED:	**CELL #3 Old**	**17-Oct-24**	**AMOUNT OF CHEMICAL USED**	**500 IMPG**
DATE RELEASE STOPPED:		**31-Oct-24**	**DISCHARGE VOLUME**	
# of Discharge Days		**15**		**treated on September 24, 2024**
Approximate Daily Flow (m^3/d)				

Tot.# of Spring discharge days **38**

* the lagoons became ice free on :

TOTAL LAGOON EFFLUENT VOLUME DISCHARGE (m^3) : **74,973**

60 days after:

APPENDIX B
Raw (Influent) Sample Data

Customized Monthly Report

From 01/01/2024 to 12/31/2024

Facility Name: POWASSAN WASTEWATER TREATMENT LAGOON
Receiver: Genesse Break to South River to South Bay of Lake Nippissing

Facility Org Number: 5747
Facility Owner: Municipality: The Corporation of the Municipality of Powassan
Service Population: 1100

Works: 110000613
Facility Classification: Class 1 Wastewater Treatment
Total Design Capacity: 940 m3/day

Ontario Clean Water Agency
Agence Ontarienne Des Eaux

														2024			
Raw	Jan 2024	Feb 2024	Mar 2024	Apr 2024	May 2024	Jun 2024	Jul 2024	Aug 2024	Sep 2024	Oct 2024	Nov 2024	Dec 2024	Total	Avg	Max	Min
Biochemical Oxygen Demand: BOD5 - mg/L																
Count	1.00	2.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	13.00			
Lab Count	1.00	2.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	13.00			
Lab Month.Max	134.00	151.00	149.00	475.00	143.00	146.00	200.00	214.00	128.00	187.00	326.00	245.00			475.00	
Lab Month.Mean	134.00	119.50	149.00	475.00	143.00	146.00	200.00	214.00	128.00	187.00	326.00	245.00		198.92		
Lab Month.Min	134.00	88.00	149.00	475.00	143.00	146.00	200.00	214.00	128.00	187.00	326.00	245.00				88.00
Flow - m^3/d																
IH Edited Count	31.00	29.00	31.00	30.00	31.00	30.00	31.00	31.00	30.00	31.00	30.00	31.00	366.00			
IH Month.Max	523.90	900.50	869.90	1988.70	633.30	1553.52	812.60	478.70	1283.70	526.60	676.50	1116.80			1988.70	
IH Month.Mean	435.89	495.64	588.22	787.42	508.41	487.58	493.72	382.49	466.45	409.17	515.25	518.33		506.82		
IH Month.Min	384.80	415.20	494.00	528.70	432.00	392.10	394.50	345.80	353.30	313.20	418.00	356.40				313.20
IH Month.Total	13512.50	14373.50	18234.80	23622.50	15760.80	14627.42	15305.40	11857.30	13993.61	12684.40	15457.40	16068.10	185497.73			
Total Kjeldahl Nitrogen: TKN - mg/L																
Count	1.00	2.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	13.00			
Lab Count	1.00	2.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	13.00			
Lab Month.Max	13.50	42.30	25.90	37.00	23.80	10.40	37.30	39.20	42.00	24.40	16.60	46.50			46.50	
Lab Month.Mean	13.50	30.70	25.90	37.00	23.80	10.40	37.30	39.20	42.00	24.40	16.60	46.50		29.08		
Lab Month.Min	13.50	19.10	25.90	37.00	23.80	10.40	37.30	39.20	42.00	24.40	16.60	46.50				10.40
Total Phosphorus: TP - mg/L																
Lab Count	1.00	2.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	13.00			
Lab Month.Max	1.35	4.61	2.08	4.68	2.32	1.21	4.65	4.54	4.47	3.42	1.75	5.14			5.14	
Lab Month.Mean	1.35	3.19	2.08	4.68	2.32	1.21	4.65	4.54	4.47	3.42	1.75	5.14		3.23		
Lab Month.Min	1.35	1.77	2.08	4.68	2.32	1.21	4.65	4.54	4.47	3.42	1.75	5.14				1.21
Total Suspended Solids: TSS - mg/L																
Count	1.00	2.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	13.00			
Lab Count	1.00	2.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	13.00			
Lab Month.Max	195.00	167.00	120.00	340.00	195.00	70.00	154.00	126.00	196.00	134.00	114.00	190.00			340.00	
Lab Month.Mean	195.00	110.00	120.00	340.00	195.00	70.00	154.00	126.00	196.00	134.00	114.00	190.00		158.00		
Lab Month.Min	195.00	53.00	120.00	340.00	195.00	70.00	154.00	126.00	196.00	134.00	114.00	190.00				53.00

APPENDIX C
Bypass/Overflow Sample Data

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

Works #: 110000613
Project : PO#017470

20-February-2024

OCWA-Near North (Powassan Lagoon)
Attn : Josh Gravelle

213 Whitewood Ave. West, PO Box 1495
New Liskeard, ON
P0J 1P0, Canada

Phone: 705-672-5549 Ext. 222
Fax:

Date Rec. : 14 February 2024
LR Report: **CA13601-FEB24**

Copy: #1

CERTIFICATE OF ANALYSIS
Final Report

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	6: Raw Raw-Raw Sewage Influent (manhole spill)
Sample Date & Time					12-Feb-24 16:45
Sampled By					Dan Finnigan
Temperature Upon Receipt [°C]	---	---	---	---	5.0
Biochemical Oxygen Demand (BOD5) [mg/L]	15-Feb-24	17:27	20-Feb-24	15:21	88
Total Suspended Solids [mg/L]	15-Feb-24	07:39	15-Feb-24	15:06	53
Phosphorus (total) [mg/L]	14-Feb-24	16:08	15-Feb-24	13:01	1.77
Total Kjeldahl Nitrogen [as N mg/L]	14-Feb-24	18:26	15-Feb-24	10:23	19.1
E. Coli [cfu/100mL]	14-Feb-24	11:43	16-Feb-24	08:33	3200000

Carrie Greenlaw
Project Specialist,
Environment, Health & Safety

OnLine LIMS

0003625489

APPENDIX D
Maintenance Summary

ONTARIO CLEAN WATER AGENCY
AGENCE ONTARIENNE DES EAUX

Workorder Summary Report

Report Start Date:	Jan 1, 2024 12:00 AM
Report End Date:	Dec 31, 2024 11:59 PM
Location:	5747*
Work Order Type:	ADMIN,CALL,CAP,CORR,EMER,OPER,PM
Work Order Class:	

				WorkOrder		PM Schedule		Workorder Details					
WO #	Asset ID	Asset Description	Location Description	Type	Class	FEQ	Units	Work Order Description	Status	Schedule Start	Actual Start	Actual Finsh	WorkLog Detail
3719543	0000296003	GENERATOR NATURAL GAS GENSET Clark Street	5747, Clark SPS, Facility	PM	Refurbish/ Replace/Repair	1	MONTHS	Diesel Generator Inspection/ Functional Test (1m) 5747	CLOSE	1/1/24 12:00 AM	1/29/24 10:01 AM	1/29/24 10:01 AM	Diesel Generator Inspection/ Functional Test (1m) 5747 - January 09 and 26, 2024. Dan Finnigan performed the monthly Generator/Functional test.. All fluid levels were checked, belts inspected, battery charging system, etc. The generator transfer button was pressed and the start command to the generator was initiated. While running, the system was observed for leaks or any other deficiencies. The following generator values were recorded while running: RPM's= 1805 Oil Level = Full Coolant Temp=175 Deg.F Battery Voltage= 12.0 V Oil Pressure 59 psi Hrs at start: 537.9 Hrs at stop: 538.3
3727278	0000126968	LAGOON CELL 01 SOUTH POWASSAN	5747, Powassan WWTL, Process	PM	Inspection	1	MONTHS	Lagoon Cell 01South Powassan Insp/Service (1m/6m/1y) 5747	CLOSE	1/1/24 12:00 AM	1/10/24 02:33 PM	1/10/24 02:33 PM	Lagoon Cell 01South Powassan Insp/ Service (1m/6m/1y) 5747 -Dan Finnigan inspected the associated lagoon on December 08, 2024. The lagoon berm was inspected and found to be in good condition, the level was checked and found to be below the overflow level, and there were no other unusual observations.
3727295	0000126967	LAGOON CELL 02 NORTH POWASSAN	5747, Powassan WWTL, Process	PM	Inspection	1	MONTHS	Lagoon Cell 02 North Powassan Insp/Service (1m/6m/1y) 5747	CLOSE	1/1/24 12:00 AM	1/10/24 02:34 PM	1/10/24 02:34 PM	Lagoon Cell 02 North Powassan Insp/Service (1m/6m/1y) 5747 -Dan Finnigan inspected the associated lagoon on December 08, 2024. The lagoon berm was inspected and found to be in good condition, the level was checked and found to be below the overflow level, and there were no other unusual observations.

ONTARIO CLEAN WATER AGENCY
AGENCE ONTARIENNE DES EAUX

Workorder Summary Report

Report Start Date:	Jan 1, 2024 12:00 AM
Report End Date:	Dec 31, 2024 11:59 PM
Location:	5747*
Work Order Type:	ADMIN,CALL,CAP,CORR,EMER,OPER,PM
Work Order Class:	

				WorkOrder		PM Schedule		Workorder Details					
WO #	Asset ID	Asset Description	Location Description	Type	Class	FEQ	Units	Work Order Description	Status	Schedule Start	Actual Start	Actual Finsh	WorkLog Detail
3727329	0000126969	LAGOON CELL 03 POWASSAN	5747, Powassan WWTL, Process	PM	Inspection	1	MONTHS	Lagoon Cell 03 Powassan Inspection/Service (1m/6m/1y) 5747	CLOSE	1/1/24 12:00 AM	1/10/24 02:36 PM	1/10/24 02:36 PM	Lagoon Cell 03 Powassan Inspection/Service (1m/6m/1y) 5747 -Dan Finnigan inspected the associated lagoon on December 08, 2024. The lagoon berm was inspected and found to be in good condition, the level was checked and found to be below the overflow level, and there were no other unusual observations.
3727365			5747, Powassan WWTL	OPER	HEALTH AND SAFETY	1	YEARS	WHMIS/MSDS/NSF Review And Update (1y) 5747	CLOSE	1/1/24 12:00 AM	5/1/24 03:31 PM	5/1/24 03:31 PM	WHMIS/MSDS/NSF Review And Update (1y) 5747 -Reviewed status of SDS sheets, updated as required.
3727469			5747, Powassan WWTL	PM	HEALTH AND SAFETY	1	MONTHS	Health And Safety Inspection (1m) 5747	CLOSE	1/1/24 12:00 AM	1/29/24 09:44 AM	1/29/24 09:44 AM	Health And Safety Inspection (1m) 5747 - Dan Finnigan conducted the monthly H&S Inspection on January 26, 2024which consisted of checking/ verifying the following items: 1. Spill Kit: all items were available 2. Safety Signage (all intact and visible) 3. First aid kit 4. Hearing protection earmuffs 5. Emergency lighting (tested and working) 6. Emergency Eyewash (bottles are within use before date) 7. Fire Extinguisher 8. CO Monitor
3727497			5747, Powassan WWTL	OPER	Inspection	1	YEARS	Daily O&M Activities (1y) 5747	COMP	1/1/24 12:00 AM	1/16/25 09:12 AM	1/16/25 09:12 AM	

ONTARIO CLEAN WATER AGENCY
AGENCE ONTARIENNE DES EAUX

Workorder Summary Report

Report Start Date:	Jan 1, 2024 12:00 AM
Report End Date:	Dec 31, 2024 11:59 PM
Location:	5747*
Work Order Type:	ADMIN,CALL,CAP,CORR,EMER,OPER,PM
Work Order Class:	

				WorkOrder		PM Schedule		Workorder Details					
WO #	Asset ID	Asset Description	Location Description	Type	Class	FEQ	Units	Work Order Description	Status	Schedule Start	Actual Start	Actual Finsh	WorkLog Detail
3727533			5747, Powassan WWTL	PM	Inspection	1	MONTHS	TPM Inspection/Maintenance (1m) 5747	CLOSE	1/1/24 12:00 AM	1/29/24 09:39 AM	1/29/24 09:39 AM	TPM Inspection/Maintenance (1m) 5747 -Completed by Curtis Green on January 19, 2024. The operation of all sewage station lift pumps were visually and audibly observed at both St. Gregory's Lift Station and the Clark Street Lift station. Pump #1 at St. Gregory SLS seemed a little noisy but pump output was normal. Pump #1 Output at Clark Street was about half of normal. The control panels were also checked for functionality with nothing unusual noted. Ventilation screens at the Clark Station were in good condition, and there was nothing else to report.
3727543			5747, Powassan WWTL	PM	Inspection	1	MONTHS	Critical Alarm/Dialer Testing (1m) 5747	CLOSE	1/1/24 12:00 AM	1/29/24 10:03 AM	1/29/24 10:03 AM	Critical Alarm/Dialer Testing (1m) 5747 -Conducted by Dan Finnigan on January 26, 2024. Both sewage pumps were turned off in "hand" and the wet well level was allowed to rise until the High Level alarm setpoint was reached. The Telus alarm was triggered and messaged the operator and both pumps were turned back on to pump down the level. Both sewage pumps shut off in Auto when the level returned to normal.
3732323			5747, Powassan WWTL	OPER	Compliance	1	MONTHS	WISKI Review (1m) 5747	CLOSE	1/1/24 12:00 AM	1/10/24 11:23 AM	1/10/24 11:23 AM	WISKI Review (1m) 5747 -WISKI Review (1m) for the month of December 2023 was completed on January 10, 2024 by Dan Finnigan. All values were checked and entered, lab data entries were reviewed, and this Work Order closed off.

ONTARIO CLEAN WATER AGENCY
AGENCE ONTARIENNE DES EAUX

Workorder Summary Report

Report Start Date:	Jan 1, 2024 12:00 AM
Report End Date:	Dec 31, 2024 11:59 PM
Location:	5747*
Work Order Type:	ADMIN,CALL,CAP,CORR,EMER,OPER,PM
Work Order Class:	

				WorkOrder		PM Schedule		Workorder Details					
WO #	Asset ID	Asset Description	Location Description	Type	Class	FEQ	Units	Work Order Description	Status	Schedule Start	Actual Start	Actual Finsh	WorkLog Detail
3762809			5747, Clark SPS	CALL	Inspection	0		5747 Powassan Clark Street SPS Communication Lost Alarm	CLOSE		1/13/24 09:30 PM	1/14/24 12:45 AM	Powassan Clark Street SPS Communication Lost Alarm -Received WIN911 Communications Lost Alarm. Inspected station and assessed Outpost Panel with normal function. Reviewed Wonderware trending for Clark Street SPS with data interruption occurring @ 2126 hours restoring @ 2201 hours. No further issues.
3765571			5747, Clark SPS, Facility	CAP	Refurbish/ Replace/Repair	0		Powassan Clark St. Generator Gauges	CLOSE		3/20/24 09:15 AM	3/20/24 09:15 AM	Generator Amp meter and RPM gauge -Parts for this generator are getting harder to find due to the age of the unit. Val's Equipment is in contact with suppliers and trying to track down correct gauges or direct replacement gauges. PO#3765571 will be used if replacements can be procured and installed. If the parts are not able to be sourced, this PO will be cancelled. Powassan Clark St. Generator Gauges -On March 05, 2024 Gary from Val's Equipment replaced the generator gauges at the Clark Street Lift Station with new ones.

ONTARIO CLEAN WATER AGENCY
AGENCE ONTARIENNE DES EAUX

Workorder Summary Report

Report Start Date:	Jan 1, 2024 12:00 AM
Report End Date:	Dec 31, 2024 11:59 PM
Location:	5747*
Work Order Type:	ADMIN,CALL,CAP,CORR,EMER,OPER,PM
Work Order Class:	

				WorkOrder		PM Schedule		Workorder Details					
WO #	Asset ID	Asset Description	Location Description	Type	Class	FEQ	Units	Work Order Description	Status	Schedule Start	Actual Start	Actual Finsh	WorkLog Detail
3774389	0000296003	GENERATOR NATURAL GAS GENSET Clark Street	5747, Clark SPS, Facility	PM	Refurbish/ Replace/Repair	1	MONTHS	Diesel Generator Inspection/ Functional Test (1m) 5747	CLOSE	2/1/24 12:00 AM	2/29/24 01:52 PM	2/29/24 01:52 PM	Diesel Generator Inspection/ Functional Test (1m) 5747 - February 28, 2024. Dan Finnigan performed the monthly Generator/ Functional test.. All fluid levels were checked, belts inspected, battery charging system, etc. The generator transfer button was pressed and the start command to the generator was initiated. While running, the system was observed for leaks or any other deficiencies. The following generator values were recorded while running: RPM's= 1830 Oil Level = Full Coolant Temp=170 Deg.F Battery Voltage= 12.2 V Oil Pressure 59 psi Hrs at start: 542.3 Hrs at stop: 542.3
3779741	0000126968	LAGOON CELL 01 SOUTH POWASSAN	5747, Powassan WWTL, Process	PM	Inspection	1	MONTHS	Lagoon Cell 01South Powassan Insp/Service (1m/6m/1y) 5747	CLOSE	2/1/24 12:00 AM	2/12/24 01:11 PM	2/12/24 01:11 PM	Lagoon Cell 01South Powassan Insp/ Service (1m/6m/1y) 5747 -Dan Finnigan inspected the associated lagoon during the monthly RAW sewage sample collection on February 06, 2024. The lagoon berm was inspected and found to be in good condition, the level was checked and found to be below the overflow level, and there were no other unusual observations.
3779751	0000126967	LAGOON CELL 02 NORTH POWASSAN	5747, Powassan WWTL, Process	PM	Inspection	1	MONTHS	Lagoon Cell 02 North Powassan Insp/Service (1m/6m/1y) 5747	CLOSE	2/1/24 12:00 AM	2/12/24 01:12 PM	2/12/24 01:12 PM	

ONTARIO CLEAN WATER AGENCY
AGENCE ONTARIENNE DES EAUX

Workorder Summary Report

Report Start Date:	Jan 1, 2024 12:00 AM
Report End Date:	Dec 31, 2024 11:59 PM
Location:	5747*
Work Order Type:	ADMIN,CALL,CAP,CORR,EMER,OPER,PM
Work Order Class:	

				WorkOrder		PM Schedule		Workorder Details					
WO #	Asset ID	Asset Description	Location Description	Type	Class	FEQ	Units	Work Order Description	Status	Schedule Start	Actual Start	Actual Finsh	WorkLog Detail
3779773	0000126969	LAGOON CELL 03 POWASSAN	5747, Powassan WWTL, Process	PM	Inspection	1	MONTHS	Lagoon Cell 03 Powassan Inspection/Service (1m/6m/1y) 5747	CLOSE	2/1/24 12:00 AM	2/12/24 01:13 PM	2/12/24 01:13 PM	Lagoon Cell 03 Powassan Inspection/Service (1m/6m/1y) 5747 -Dan Finnigan inspected the associated lagoon during the monthly RAW sewage sample collection on February 06, 2024. The lagoon berm was inspected and found to be in good condition, the level was checked and found to be below the overflow level, and there were no other unusual observations.
3779791			5747, Powassan WWTL	PM	HEALTH AND SAFETY	1	MONTHS	Health And Safety Inspection (1m) 5747	CLOSE	2/1/24 12:00 AM	2/29/24 01:53 PM	2/29/24 01:53 PM	Health And Safety Inspection (1m) 5747 - Dan Finnigan conducted the monthly H&S Inspection on February 28, 2024which consisted of checking/ verifying the following items: 1. Spill Kit: all items were available 2. Safety Signage (all intact and visible) 3. First aid kit 4. Hearing protection earmuffs 5. Emergency lighting (tested and working) 6. Emergency Eyewash (bottles are within use before date) 7. Fire Extinguisher 8. CO Monitor
3779802			5747, Powassan WWTL	PM	Inspection	1	MONTHS	TPM Inspection/Maintenance (1m) 5747	CLOSE	2/1/24 12:00 AM	2/29/24 01:55 PM	2/29/24 01:55 PM	

ONTARIO CLEAN WATER AGENCY
AGENCE ONTARIENNE DES EAUX

Workorder Summary Report

Report Start Date:	Jan 1, 2024 12:00 AM
Report End Date:	Dec 31, 2024 11:59 PM
Location:	5747*
Work Order Type:	ADMIN,CALL,CAP,CORR,EMER,OPER,PM
Work Order Class:	

				WorkOrder		PM Schedule		Workorder Details					
WO #	Asset ID	Asset Description	Location Description	Type	Class	FEQ	Units	Work Order Description	Status	Schedule Start	Actual Start	Actual Finsh	WorkLog Detail
3779812			5747, Powassan WWTL	PM	Inspection	1	MONTHS	Critical Alarm/Dialer Testing (1m) 5747	CLOSE	2/1/24 12:00 AM	2/29/24 01:58 PM	2/29/24 01:58 PM	Critical Alarm/Dialer Testing (1m) 5747 - February 12, 2024 This was an actual event that triggered the High Wet Well Level alarm when a flusher truck unplugged a sanitary service line. The resulting inrush of a high volume of water caused an immediate rise in the wet well level to alarm conditions. Both pumps engaged to bring down the level within minutes and the alarm condition was restored.
3782984			5747, Powassan WWTL	OPER	Compliance	1	MONTHS	WISKI Review (1m) 5747	CLOSE	2/1/24 12:00 AM	2/12/24 01:07 PM	2/12/24 01:07 PM	
3805255			5747, Clark SPS	CALL	Inspection	0		5947 Powassan Clark Street SPS Communication Lost Alarm	CLOSE		2/9/24 07:45 PM	2/9/24 08:15 PM	

ONTARIO CLEAN WATER AGENCY
AGENCE ONTARIENNE DES EAUX

Workorder Summary Report

Report Start Date:	Jan 1, 2024 12:00 AM
Report End Date:	Dec 31, 2024 11:59 PM
Location:	5747*
Work Order Type:	ADMIN,CALL,CAP,CORR,EMER,OPER,PM
Work Order Class:	

				WorkOrder		PM Schedule		Workorder Details					
WO #	Asset ID	Asset Description	Location Description	Type	Class	FEQ	Units	Work Order Description	Status	Schedule Start	Actual Start	Actual Finsh	WorkLog Detail
3805780			5747, Powassan WWTL	CALL	Compliance	0		Powassan Sanitary Overflow / Spill response	CLOSE		2/12/24 03:35 PM	2/13/24 04:00 PM	Powassan Sanitary Overflow / Spill response - Monday February 12, 2024 15:35--Notified by Powassan Public Works of possible spill from overflowing manhole. Leaving North Bay for Powassan 16:30--Put out chlorine pucks in path of overflowing manhole sewage (draining into Genesee Creek) 16:45--Collected sample from manhole spill 17:08--Notified SAC (Incident No.# 1-4NFUT6) about spill 17:17--Called MOH and left message with answering service 17:20--Truck onsite to pump down upstream manhole. Overflowing manhole stopped within 3 minutes of pumping. 17:23--Spoke with James Mlotshwa (MOH) about spill and response 18:20--Muskoka Hydrovac truck onsite to begin flushing sanitary lines, etc. 19:05--Received and acknowledged Clark Street high level alarm (followed by restoral) following flushing of upstream sanitary lines and debris / grease blockage removal. 20:19--Called back SAC as per instructions to give an update on manhole spill Tuesday February 13, 2024 15:55--emailed completed Incident Response form to all interested parties

ONTARIO CLEAN WATER AGENCY
AGENCE ONTARIENNE DES EAUX

Workorder Summary Report

Report Start Date:	Jan 1, 2024 12:00 AM
Report End Date:	Dec 31, 2024 11:59 PM
Location:	5747*
Work Order Type:	ADMIN,CALL,CAP,CORR,EMER,OPER,PM
Work Order Class:	

				WorkOrder		PM Schedule		Workorder Details					
WO #	Asset ID	Asset Description	Location Description	Type	Class	FEQ	Units	Work Order Description	Status	Schedule Start	Actual Start	Actual Finsh	WorkLog Detail
3816858	0000296003	GENERATOR NATURAL GAS GENSET Clark Street	5747, Clark SPS, Facility	PM	Refurbish/ Replace/Repair	1	MONTHS	Diesel Generator Inspection/ Functional Test (1m) 5747	CLOSE	3/1/24 12:00 AM	3/20/24 09:05 AM	3/20/24 09:05 AM	Diesel Generator Inspection/ Functional Test (1m) 5747 -March 19, 2024. Dan Finnigan performed the monthly Generator/ Functional test.. All fluid levels were checked, belts inspected, battery charging system, etc. The generator transfer button was pressed and the start command to the generator was initiated. While running, the system was observed for leaks or any other deficiencies. The following generator values were recorded while running: *Note: The generator only started on the 13th attempt. RPM's= 1800 Oil Level = Full Coolant Temp=178 Deg.F Battery Voltage= 12.0 V Oil Pressure 61 psi Hrs at start: 543.6 Hrs at stop: 544.0
3823146			5747, Powassan WWTL	PM	Inspection	1	YEARS	Electrical Equipment Inspection/ Service (1y) 5747	CLOSE	3/1/24 12:00 AM	11/14/24 10:35 AM	11/14/24 10:35 AM	ESA Inspection - Inspection complete with no deficiencies.
3823156	0000126968	LAGOON CELL 01 SOUTH POWASSAN	5747, Powassan WWTL, Process	PM	Inspection	1	MONTHS	Lagoon Cell 01South Powassan Insp/Service (1m/6m/1y) 5747	CLOSE	3/1/24 12:00 AM	3/20/24 02:30 PM	3/20/24 02:30 PM	Lagoon Cell 01South Powassan Insp/ Service (1m/6m/1y) 5747 -Dan Finnigan inspected the associated lagoon during the monthly RAW sewage sample collection on March 04 and March 15, 2024. The lagoon berm was inspected and found to be in good condition, the level was checked and found to be below the overflow level, and there were no other unusual observations.

ONTARIO CLEAN WATER AGENCY
AGENCE ONTARIENNE DES EAUX

Workorder Summary Report

Report Start Date:	Jan 1, 2024 12:00 AM
Report End Date:	Dec 31, 2024 11:59 PM
Location:	5747*
Work Order Type:	ADMIN,CALL,CAP,CORR,EMER,OPER,PM
Work Order Class:	

				WorkOrder		PM Schedule		Workorder Details					
WO #	Asset ID	Asset Description	Location Description	Type	Class	FEQ	Units	Work Order Description	Status	Schedule Start	Actual Start	Actual Finsh	WorkLog Detail
3823166	0000126967	LAGOON CELL 02 NORTH POWASSAN	5747, Powassan WWTL, Process	PM	Inspection	1	MONTHS	Lagoon Cell 02 North Powassan Insp/Service (1m/6m/1y) 5747	CLOSE	3/1/24 12:00 AM	3/20/24 02:30 PM	3/20/24 02:30 PM	Lagoon Cell 02 North Powassan Insp/Service (1m/6m/1y) 5747 -Dan Finnigan inspected the associated lagoon during the monthly RAW sewage sample collection on March 04 and March 15, 2024. The lagoon berm was inspected and found to be in good condition, the level was checked and found to be below the overflow level, and there were no other unusual observations.
3823188	0000126969	LAGOON CELL 03 POWASSAN	5747, Powassan WWTL, Process	PM	Inspection	1	MONTHS	Lagoon Cell 03 Powassan Inspection/Service (1m/6m/1y) 5747	CLOSE	3/1/24 12:00 AM	3/20/24 02:32 PM	3/20/24 02:32 PM	
3823206			5747, Powassan WWTL	PM	HEALTH AND SAFETY	1	MONTHS	Health And Safety Inspection (1m) 5747	CLOSE	3/1/24 12:00 AM	3/20/24 09:08 AM	3/20/24 09:08 AM	Health And Safety Inspection (1m) 5747 - Dan Finnigan conducted the monthly H&S Inspection on March 19, 2024which consisted of checking/ verifying the following items: 1. Spill Kit: all items were available 2. Safety Signage (all intact and visible) 3. First aid kit 4. Hearing protection earmuffs 5. Emergency lighting (tested and working) 6. Emergency Eyewash (bottles are within use before date) 7. Fire Extinguisher 8. CO Monitor

ONTARIO CLEAN WATER AGENCY
AGENCE ONTARIENNE DES EAUX

Workorder Summary Report

Report Start Date:	Jan 1, 2024 12:00 AM
Report End Date:	Dec 31, 2024 11:59 PM
Location:	5747*
Work Order Type:	ADMIN,CALL,CAP,CORR,EMER,OPER,PM
Work Order Class:	

				WorkOrder		PM Schedule		Workorder Details					
WO #	Asset ID	Asset Description	Location Description	Type	Class	FEQ	Units	Work Order Description	Status	Schedule Start	Actual Start	Actual Finsh	WorkLog Detail
3823217			5747, Powassan WWTL	PM	Inspection	1	MONTHS	TPM Inspection/Maintenance (1m) 5747	CLOSE	3/1/24 12:00 AM	3/20/24 09:10 AM	3/20/24 09:10 AM	TPM Inspection/Maintenance (1m) 5747 -Completed by Dan Finnigan on March 19, 2024. The operation of all sewage station lift pumps were visually and audibly observed at both St. Gregory's Lift Station and the Clark Street Lift station. Pump #1 at St. Gregory SLS seemed a little noisy but pump output was normal. The control panels were also checked for functionality with nothing unusual noted. Ventilation screens at the Clark Station were in good condition, and there was nothing else to report.
3823224			5747, Powassan WWTL	PM	Inspection	1	MONTHS	Critical Alarm/Dialer Testing (1m) 5747	CLOSE	3/1/24 12:00 AM	3/20/24 09:21 AM	3/20/24 09:21 AM	Critical Alarm/Dialer Testing (1m) 5747 -Conducted by Dan Finnigan on March 19, 2024. Both sewage pumps were turned off in "hand" and the wet well level was allowed to rise until the High Level alarm setpoint was reached. The Telus alarm was triggered and messaged the operator and both pumps were turned back on to pump down the level. Both sewage pumps shut off in Auto when the level returned to normal.
3826471			5747, Powassan WWTL	OPER	Compliance	1	MONTHS	WISKI Review (1m) 5747	CLOSE	3/1/24 12:00 AM	3/20/24 05:30 PM	3/20/24 05:30 PM	WISKI Review (1m) 5747 -WISKI Review (1m) for the month of February 2024 was completed on March 20, 2024 by Dan Finnigan. All values were checked and entered, lab data entries were reviewed, and this Work Order closed off.

ONTARIO CLEAN WATER AGENCY
AGENCE ONTARIENNE DES EAUX

Workorder Summary Report

Report Start Date:	Jan 1, 2024 12:00 AM
Report End Date:	Dec 31, 2024 11:59 PM
Location:	5747*
Work Order Type:	ADMIN,CALL,CAP,CORR,EMER,OPER,PM
Work Order Class:	

				WorkOrder		PM Schedule		Workorder Details					
WO #	Asset ID	Asset Description	Location Description	Type	Class	FEQ	Units	Work Order Description	Status	Schedule Start	Actual Start	Actual Finsh	WorkLog Detail
3862165	0000296003	GENERATOR NATURAL GAS GENSET Clark Street	5747, Clark SPS, Facility	PM	Refurbish/ Replace/Repair	1	MONTHS	Diesel Generator Inspection/ Functional Test (1m) 5747	CLOSE	4/1/24 12:00 AM	4/15/24 09:47 AM	4/15/24 09:47 AM	Diesel Generator Inspection/ Functional Test (1m) 5747 - April 09, 2024. Dan Finnigan performed the monthly Generator/ Functional test.. All fluid levels were checked, belts inspected, battery charging system, etc. The generator transfer button was pressed and the start command to the generator was initiated. While running, the system was observed for leaks or any other deficiencies. The following generator values were recorded while running: *Note: The generator only started on the 5th attempt. RPM's= 1800 Oil Level = Full Coolant Temp=180 Deg.F Battery Voltage= 11.7 V Oil Pressure 61 psi Hrs at start: 544.0 Hrs at stop: 544.4
3869291	0000126968	LAGOON CELL 01 SOUTH POWASSAN	5747, Powassan WWTL, Process	PM	Inspection	1	MONTHS	Lagoon Cell 01South Powassan Insp/Service (1m/6m/1y) 5747	CLOSE	4/1/24 12:00 AM	4/15/24 09:38 AM	4/15/24 09:38 AM	Lagoon Cell 01South Powassan Insp/ Service (1m/6m/1y) 5747 -Dan Finnigan inspected the associated lagoon during the monthly RAW sewage sample collection on April 09, 2024. The lagoon berm was inspected and found to be in good condition, the level was checked and found to be below the overflow level, and there were no other unusual observations.

ONTARIO CLEAN WATER AGENCY
AGENCE ONTARIENNE DES EAUX

Workorder Summary Report

Report Start Date:	Jan 1, 2024 12:00 AM
Report End Date:	Dec 31, 2024 11:59 PM
Location:	5747*
Work Order Type:	ADMIN,CALL,CAP,CORR,EMER,OPER,PM
Work Order Class:	

				WorkOrder		PM Schedule		Workorder Details					
WO #	Asset ID	Asset Description	Location Description	Type	Class	FEQ	Units	Work Order Description	Status	Schedule Start	Actual Start	Actual Finsh	WorkLog Detail
3869308	0000126967	LAGOON CELL 02 NORTH POWASSAN	5747, Powassan WWTL, Process	PM	Inspection	1	MONTHS	Lagoon Cell 02 North Powassan Insp/Service (1m/6m/1y) 5747	CLOSE	4/1/24 12:00 AM	4/15/24 09:39 AM	4/15/24 09:39 AM	Lagoon Cell 02 North Powassan Insp/Service (1m/6m/1y) 5747 -Dan Finnigan inspected the associated lagoon during the monthly RAW sewage sample collection on April 09, 2024. The lagoon berm was inspected and found to be in good condition, the level was checked and found to be below the overflow level, and there were no other unusual observations.
3869353	0000126969	LAGOON CELL 03 POWASSAN	5747, Powassan WWTL, Process	PM	Inspection	1	MONTHS	Lagoon Cell 03 Powassan Inspection/Service (1m/6m/1y) 5747	CLOSE	4/1/24 12:00 AM	4/15/24 09:40 AM	4/15/24 09:40 AM	Lagoon Cell 03 Powassan Inspection/Service (1m/6m/1y) 5747 -Dan Finnigan inspected the associated lagoon during the monthly RAW sewage sample collection on April 09, 2024. The lagoon berm was inspected and found to be in good condition, the level was checked and found to be below the overflow level, and there were no other unusual observations.
3869476			5747, Powassan WWTL	PM	HEALTH AND SAFETY	1	MONTHS	Health And Safety Inspection (1m) 5747	CLOSE	4/1/24 12:00 AM	4/15/24 09:42 AM	4/15/24 09:42 AM	Health And Safety Inspection (1m) 5747 - Dan Finnigan conducted the monthly H&S Inspection on April 09, 2024which consisted of checking/verifying the following items: 1. Spill Kit: all items were available 2. Safety Signage (all intact and visible) 3. First aid kit 4. Hearing protection earmuffs 5. Emergency lighting (tested and working) 6. Emergency Eyewash (bottles are within use before date) 7. Fire Extinguisher 8. CO Monitor

ONTARIO CLEAN WATER AGENCY
AGENCE ONTARIENNE DES EAUX

Workorder Summary Report

Report Start Date: Jan 1, 2024 12:00 AM
Report End Date: Dec 31, 2024 11:59 PM
Location: 5747*
Work Order Type: ADMIN,CALL,CAP,CORR,EMER,OPER,PM
Work Order Class:

				WorkOrder		PM Schedule		Workorder Details					
WO #	Asset ID	Asset Description	Location Description	Type	Class	FEQ	Units	Work Order Description	Status	Schedule Start	Actual Start	Actual Finsh	WorkLog Detail
3869525			5747, Powassan WWTL	PM	Inspection	1	MONTHS	TPM Inspection/Maintenance (1m) 5747	CLOSE	4/1/24 12:00 AM	4/15/24 09:43 AM	4/15/24 09:43 AM	TPM Inspection/Maintenance (1m) 5747 -Completed by Dan Finnigan on April 09, 2024. The operation of all sewage station lift pumps were visually and audibly observed at both St. Gregory's Lift Station and the Clark Street Lift station. Pump #1 at St. Gregory SLS seemed a little noisy but pump output was normal. The control panels were also checked for functionality with nothing unusual noted. Ventilation screens at the Clark Station were in good condition, and there was nothing else to report.
3869530			5747, Powassan WWTL	PM	Inspection	1	MONTHS	Critical Alarm/Dialer Testing (1m) 5747	CLOSE	4/1/24 12:00 AM	4/15/24 09:49 AM	4/15/24 09:49 AM	Critical Alarm/Dialer Testing (1m) 5747 -Conducted by Dan Finnigan on Arpil 09, 2024. Both sewage pumps were turned off in "hand" and the wet well level was allowed to rise until the High Level alarm setpoint was reached. The Telus alarm was triggered and messaged the operator and both pumps were turned back on to pump down the level. Both sewage pumps shut off in Auto when the level returned to normal.
3873891			5747, Powassan WWTL	OPER	Compliance	1	MONTHS	WISKI Review (1m) 5747	CLOSE	4/1/24 12:00 AM	4/15/24 09:58 AM	4/15/24 09:58 AM	WISKI Review (1m) 5747 -WISKI Review (1m) for the month of March 2024 was completed on April 10, 2024 by Dan Finnigan. All values were checked and entered, lab data entries were reviewed, and this Work Order closed off.
3900048			Powassan Wastewater Treatment Lagoon	OPER	Predictive Maintenance	0		Powassan Spring 2024 Lagoon Treatment	CLOSE		6/6/24 08:03 AM	6/6/24 08:03 AM	- treat north cell with 10 loads of ferric, treat south cell with 8 loads of ferric. TF april 11/24

ONTARIO CLEAN WATER AGENCY
AGENCE ONTARIENNE DES EAUX

Workorder Summary Report

Report Start Date:	Jan 1, 2024 12:00 AM
Report End Date:	Dec 31, 2024 11:59 PM
Location:	5747*
Work Order Type:	ADMIN,CALL,CAP,CORR,EMER,OPER,PM
Work Order Class:	

				WorkOrder		PM Schedule		Workorder Details					
WO #	Asset ID	Asset Description	Location Description	Type	Class	FEQ	Units	Work Order Description	Status	Schedule Start	Actual Start	Actual Finsh	WorkLog Detail
3901505			5747, Clark SPS, Facility	CALL	Compliance	0		Powassan Clark St. Stn Comm Loss & High Wet Well Alarms	CLOSE		4/11/24 09:15 PM	4/11/24 11:59 PM	Powassan Clark St. Stn Comm Loss & High Wet Well Alarms - 21:15--Received an acknowledged win 911 alarm for loss of communication at 250 Clark St. 21:16--Logged onto Wonderware remotely: no data available due to communication loss and power outage. A site visit will be required. Suspect back up generator did not start. 21:51--Received and acknowledged Telus alarms for Clark Street, wet well high-level 22:12--Received an acknowledged, when 911 alarm for Clark Street high wet, well level alarm. Suspect power has been restored, including win 911 alarming. 22:15--Arrived at Clark Street station. Checked wet well level: wet, well level is approximately 7 feet below overflow. Both sewage pumps are running, and power has been restored to the building. Generator is an alarm for failed to start. There is no evidence that the wet well level reached the overflow level. Will monitor remotely through Wonderware 22:46--Received an acknowledged win 911 alarm for Clark Street high Wet well level 22:56--Confirmed wet well is back to normal operating levels. Both pumps have shut off in auto. No further action is required.

ONTARIO CLEAN WATER AGENCY
AGENCE ONTARIENNE DES EAUX

Workorder Summary Report

Report Start Date:	Jan 1, 2024 12:00 AM
Report End Date:	Dec 31, 2024 11:59 PM
Location:	5747*
Work Order Type:	ADMIN,CALL,CAP,CORR,EMER,OPER,PM
Work Order Class:	

				WorkOrder		PM Schedule		Workorder Details					
WO #	Asset ID	Asset Description	Location Description	Type	Class	FEQ	Units	Work Order Description	Status	Schedule Start	Actual Start	Actual Finsh	WorkLog Detail
3901660			5747, Clark SPS	CALL	Compliance	0		Powassan Clark Street High Wet Well Level Alarm	CLOSE		4/12/24 07:06 PM	4/12/24 11:00 PM	Powassan Clark Street High Wet Well Level Alarm - 19:06--Received Telus Alarms notification for Clark Street Wet Well Level alarm 19:59--Received WIN911 Alarm for Wet Well High Level 20:00--Logged onto Wonderware to check trending, etc. Both pumps running with output of approximately 1700 L/min, and wet well level is 8.13 meters. Will monitor remotely. 20:45--Received WIN911 Alarm for Wet well High Level again but well level is only 7.53 meters. Will monitor remotely. 23:00--Logged onto Wonderware to check trending, etc. Wet Well Level back down to normal operations and all alarms have reset. No further action required.
3901661			5747, Clark SPS	CALL	Compliance	0		Powassan Clark Street High Wet Well Level Alarm	CLOSE		4/13/24 11:40 AM	4/13/24 02:00 PM	Powassan Clark Street High Wet Well Level Alarm - 11:40--Received notification from Telus alarms for Clark Street High Wet Well Level alarm 12:15--Logged onto Wonderware to check trending and operations: both pumps running with good output (1670 L/min). Wet well level rising very slowly (currently at approximately 5.13 meters). Will monitor remotely. 14:00--Logged onto Wonderware to check trending, etc. Wet Well Level back down to normal operations and all alarms have reset. No further action required

ONTARIO CLEAN WATER AGENCY
AGENCE ONTARIENNE DES EAUX

Workorder Summary Report

Report Start Date:	Jan 1, 2024 12:00 AM
Report End Date:	Dec 31, 2024 11:59 PM
Location:	5747*
Work Order Type:	ADMIN,CALL,CAP,CORR,EMER,OPER,PM
Work Order Class:	

				WorkOrder		PM Schedule		Workorder Details					
WO #	Asset ID	Asset Description	Location Description	Type	Class	FEQ	Units	Work Order Description	Status	Schedule Start	Actual Start	Actual Finsh	WorkLog Detail
3902847			5747, Clark SPS	CALL	Inspection	0		5747 Powassan Clark Street SPS Communication Lost Alarm	CLOSE		4/18/24 06:30 PM	4/18/24 07:30 PM	Powassan Clark Street SPS Communication Lost Alarm - Received WIN911 Communication Lost Alarm. Inspection of Clark Street SPS with equipment functional. No further issues.
3915267	0000296003	GENERATOR NATURAL GAS GENSET Clark Street	5747, Clark SPS, Facility	PM	Refurbish/ Replace/Repair	1	MONTHS	Diesel Generator Inspection/ Functional Test (1m) 5747	CLOSE	5/1/24 12:00 AM	5/13/24 10:16 AM	5/13/24 10:16 AM	Diesel Generator Inspection/ Functional Test (1m) 5747 -May 09, 2024. Dan Finnigan performed the monthly Generator/ Functional test.. All fluid levels were checked, belts inspected, battery charging system, etc. The generator transfer button was pressed and the start command to the generator was initiated. While running, the system was observed for leaks or any other deficiencies. The following generator values were recorded while running: *Note: The generator only started on the 7th attempt. RPM's= 1790 Oil Level = Full Coolant Temp=178 Deg.F Battery Voltage= 11.9 V Oil Pressure 60 psi Hrs at start: 544.5 Hrs at stop: 544.9
3921872	0000126968	LAGOON CELL 01 SOUTH POWASSAN	5747, Powassan WWTL, Process	PM	Inspection	1	MONTHS	Lagoon Cell 01South Powassan Insp/Service (1m/6m/1y) 5747	CLOSE	5/1/24 12:00 AM	5/13/24 10:07 AM	5/13/24 10:07 AM	Lagoon Cell 01South Powassan Insp/ Service (1m/6m/1y) 5747 -Dan Finnigan inspected the associated lagoon with multiple visits while the Spring Release was ongoing. The lagoon berm was inspected and found to be in good condition, the level was checked and found to be below the overflow level, and there were no other unusual observations.

ONTARIO CLEAN WATER AGENCY
AGENCE ONTARIENNE DES EAUX

Workorder Summary Report

Report Start Date:	Jan 1, 2024 12:00 AM
Report End Date:	Dec 31, 2024 11:59 PM
Location:	5747*
Work Order Type:	ADMIN,CALL,CAP,CORR,EMER,OPER,PM
Work Order Class:	

				WorkOrder		PM Schedule		Workorder Details					
WO #	Asset ID	Asset Description	Location Description	Type	Class	FEQ	Units	Work Order Description	Status	Schedule Start	Actual Start	Actual Finsh	WorkLog Detail
3921897	0000126967	LAGOON CELL 02 NORTH POWASSAN	5747, Powassan WWTL, Process	PM	Inspection	1	MONTHS	Lagoon Cell 02 North Powassan Insp/Service (1m/6m/1y) 5747	CLOSE	5/1/24 12:00 AM	5/13/24 10:08 AM	5/13/24 10:08 AM	Lagoon Cell 02 North Powassan Insp/Service (1m/6m/1y) 5747 -Dan Finnigan inspected the associated lagoon with multiple visits while the Spring Release was ongoing. The lagoon berm was inspected and found to be in good condition, the level was checked and found to be below the overflow level, and there were no other unusual observations.
3921919	0000126969	LAGOON CELL 03 POWASSAN	5747, Powassan WWTL, Process	PM	Inspection	1	MONTHS	Lagoon Cell 03 Powassan Inspection/Service (1m/6m/1y) 5747	CLOSE	5/1/24 12:00 AM	5/13/24 10:09 AM	5/13/24 10:09 AM	Lagoon Cell 03 Powassan Inspection/Service (1m/6m/1y) 5747 -Dan Finnigan inspected the associated lagoon with multiple visits while the Spring Release was ongoing. The lagoon berm was inspected and found to be in good condition, the level was checked and found to be below the overflow level, and there were no other unusual observations.
3921937			5747, Powassan WWTL	PM	HEALTH AND SAFETY	1	MONTHS	Health And Safety Inspection (1m) 5747	CLOSE	5/1/24 12:00 AM	5/13/24 10:10 AM	5/13/24 10:10 AM	Health And Safety Inspection (1m) 5747 - Dan Finnigan conducted the monthly H&S Inspection on May 09, 2024which consisted of checking/ verifying the following items: 1. Spill Kit: all items were available 2. Safety Signage (all intact and visible) 3. First aid kit 4. Hearing protection earmuffs 5. Emergency lighting (tested and working) 6. Emergency Eyewash (bottles are within use before date) 7. Fire Extinguisher 8. CO Monitor

ONTARIO CLEAN WATER AGENCY
AGENCE ONTARIENNE DES EAUX

Workorder Summary Report

Report Start Date:	Jan 1, 2024 12:00 AM
Report End Date:	Dec 31, 2024 11:59 PM
Location:	5747*
Work Order Type:	ADMIN,CALL,CAP,CORR,EMER,OPER,PM
Work Order Class:	

				WorkOrder		PM Schedule		Workorder Details					
WO #	Asset ID	Asset Description	Location Description	Type	Class	FEQ	Units	Work Order Description	Status	Schedule Start	Actual Start	Actual Finsh	WorkLog Detail
3921960			5747, Powassan WWTL	PM	Inspection	1	MONTHS	TPM Inspection/Maintenance (1m) 5747	CLOSE	5/1/24 12:00 AM	5/13/24 10:12 AM	5/13/24 10:12 AM	TPM Inspection/Maintenance (1m) 5747 -Completed by Dan Finnigan on May 09, 2024. The operation of all sewage station lift pumps were visually and audibly observed at both St. Gregory's Lift Station and the Clark Street Lift station. Pump #1 at St. Gregory SLS seemed a little noisy but pump output was normal. The control panels were also checked for functionality with nothing unusual noted. Ventilation screens at the Clark Station were in good condition, and there was nothing else to report.
3921965			5747, Powassan WWTL	PM	Inspection	1	MONTHS	Critical Alarm/Dialer Testing (1m) 5747	CLOSE	5/1/24 12:00 AM	5/13/24 10:17 AM	5/13/24 10:17 AM	Critical Alarm/Dialer Testing (1m) 5747 -Conducted by Dan Finnigan on May 09, 2024. Both sewage pumps were turned off in "hand" and the wet well level was allowed to rise until the High Level alarm setpoint was reached. The Telus alarm was triggered and messaged the operator and both pumps were turned back on to pump down the level. Both sewage pumps shut off in Auto when the level returned to normal.
3924899			5747, Powassan WWTL	OPER	Compliance	1	MONTHS	WISKI Review (1m) 5747	CLOSE	5/1/24 12:00 AM	5/8/24 09:53 AM	5/8/24 09:53 AM	WISKI Review (1m) 5747 -WISKI Review (1m) for the month of April 2024 was completed on May 08, 2024 by Dan Finnigan. All values were checked and entered, lab data entries were reviewed, and this Work Order closed off.

ONTARIO CLEAN WATER AGENCY
AGENCE ONTARIENNE DES EAUX

Workorder Summary Report

Report Start Date: Jan 1, 2024 12:00 AM
Report End Date: Dec 31, 2024 11:59 PM
Location: 5747*
Work Order Type: ADMIN,CALL,CAP,CORR,EMER,OPER,PM
Work Order Class:

				WorkOrder		PM Schedule		Workorder Details					
WO #	Asset ID	Asset Description	Location Description	Type	Class	FEQ	Units	Work Order Description	Status	Schedule Start	Actual Start	Actual Finsh	WorkLog Detail
3947662			5747, Clark SPS	CALL	Inspection	0		5747 Powassan Clark Street SPS Communication Loss Alarm	CLOSE		5/2/24 05:15 AM	5/2/24 06:00 AM	Powassan Clark Street SPS Communication Loss Alarm - Received WIN911 Communication Loss Alarm for Clark Street SPS. Received WIN911 Communication Loss Alarm for Clark Street SPS. Station inspection observing equipment functional.
3962797	0000296003	GENERATOR NATURAL GAS GENSET Clark Street	5747, Clark SPS, Facility	PM	Refurbish/ Replace/Repair	1	MONTHS	Diesel Generator Inspection/ Functional Test (1m) 5747	CLOSE	6/1/24 12:00 AM	7/23/24 08:09 AM	7/23/24 08:09 AM	Diesel Generator Inspection/ Functional Test (1m) 5747 -Curtis Green conducted the monthly generator test / work order on June 17, 2024. He noted the generator had a hard time starting and would contact Val's Equipment for further diagnosis. Gauge reading and fluid levels, betls, etc. were observed and found to be in proper conditon and/or levels.
3969951	0000126968	LAGOON CELL 01 SOUTH POWASSAN	5747, Powassan WWTL, Process	PM	Inspection	1	MONTHS	Lagoon Cell 01South Powassan Insp/Service (1m/6m/1y) 5747	CLOSE	6/1/24 12:00 AM	7/23/24 08:26 AM	7/23/24 08:26 AM	Lagoon Cell 01South Powassan Insp/ Service (1m/6m/1y) 5747 -Dan Finnigan inspected the associated lagoon during the monthly RAW sewage sample collection on June 24, 2024. The lagoon berm was inspected and found to be in good condition, the level was checked and found to be below the overflow level, and there were no other unusual observations.
3969961	0000126967	LAGOON CELL 02 NORTH POWASSAN	5747, Powassan WWTL, Process	PM	Inspection	1	MONTHS	Lagoon Cell 02 North Powassan Insp/Service (1m/6m/1y) 5747	CLOSE	6/1/24 12:00 AM	7/23/24 08:27 AM	7/23/24 08:27 AM	Lagoon Cell 02 North Powassan Insp/Service (1m/6m/1y) 5747 -Dan Finnigan inspected the associated lagoon during the monthly RAW sewage sample collection on June 24, 2024. The lagoon berm was inspected and found to be in good condition, the level was checked and found to be below the overflow level, and there were no other unusual observations.

ONTARIO CLEAN WATER AGENCY
AGENCE ONTARIENNE DES EAUX

Workorder Summary Report

Report Start Date:	Jan 1, 2024 12:00 AM
Report End Date:	Dec 31, 2024 11:59 PM
Location:	5747*
Work Order Type:	ADMIN,CALL,CAP,CORR,EMER,OPER,PM
Work Order Class:	

				WorkOrder		PM Schedule		Workorder Details					
WO #	Asset ID	Asset Description	Location Description	Type	Class	FEQ	Units	Work Order Description	Status	Schedule Start	Actual Start	Actual Finsh	WorkLog Detail
3969983	0000126969	LAGOON CELL 03 POWASSAN	5747, Powassan WWTL, Process	PM	Inspection	1	MONTHS	Lagoon Cell 03 Powassan Inspection/Service (1m/6m/1y) 5747	CLOSE	6/1/24 12:00 AM	7/23/24 08:28 AM	7/23/24 08:28 AM	Lagoon Cell 03 Powassan Inspection/Service (1m/6m/1y) 5747 -Dan Finnigan inspected the associated lagoon during the monthly RAW sewage sample collection on June 24, 2024. The lagoon berm was inspected and found to be in good condition, the level was checked and found to be below the overflow level, and there were no other unusual observations.
3969998			5747, Powassan WWTL	OPER	Compliance	1	YEARS	Facility Emergency Plan Review (1y) 5747	CLOSE	6/1/24 12:00 AM	8/27/24 02:48 PM	8/27/24 02:48 PM	Facility Emergency Plan Review (1y) 5747 -Reviewed and updated all sections on August 27, 2024
3970002			5747, Powassan WWTL	PM	HEALTH AND SAFETY	1	MONTHS	Health And Safety Inspection (1m) 5747	CLOSE	6/1/24 12:00 AM	7/30/24 01:38 PM	7/30/24 01:38 PM	Health And Safety Inspection (1m) 5747 -Curtis Green conducted the monthly H&S Inspection on Monday June 17, 2024. He reported all equipment to be in good working order
3970013			5747, Powassan WWTL	PM	Inspection	1	MONTHS	TPM Inspection/Maintenance (1m) 5747	CLOSE	6/1/24 12:00 AM	7/23/24 08:11 AM	7/23/24 08:11 AM	TPM Inspection/Maintenance (1m) 5747 -Curtis Green conducted the monthly TPM work order on June 17, 2024. The operation of all sewage station lift pumps were visually and audibly observed at both St. Gregory's Lift Station and the Clark Street Lift station. The control panels were also checked for functionality with nothing unusual noted. Ventilation screens at the Clark Station were in good condition, and there was nothing else to report.

ONTARIO CLEAN WATER AGENCY
AGENCE ONTARIENNE DES EAUX

Workorder Summary Report

Report Start Date:	Jan 1, 2024 12:00 AM
Report End Date:	Dec 31, 2024 11:59 PM
Location:	5747*
Work Order Type:	ADMIN,CALL,CAP,CORR,EMER,OPER,PM
Work Order Class:	

				WorkOrder		PM Schedule		Workorder Details					
WO #	Asset ID	Asset Description	Location Description	Type	Class	FEQ	Units	Work Order Description	Status	Schedule Start	Actual Start	Actual Finsh	WorkLog Detail
3970018			5747, Powassan WWTL	PM	Refurbish/ Replace/Repair	1	YEARS	Tank Inspection (1y) 5747	CLOSE	6/1/24 12:00 AM	11/1/24 06:08 PM	11/1/24 06:08 PM	WISKI Review (1m) for the month of September 2024 was completed on November 1, 2024 by Dan Finnigan. -October 10, 2024: Fairview St. Lift Station (St. Gregory) was inspected by OCWA staff. There was no unusual issues identified. Both pumps were tested and found to be in good working order. October 25, 2024: Clark Street Lift Station was inspected and cleaned with a contractor and OCWA staff. All debris and, rags, and grit were removed, both pumps were tested and found to be in good working condition.
3970022			5747, Powassan WWTL	PM	Inspection	1	MONTHS	Critical Alarm/Dialer Testing (1m) 5747	CLOSE	6/1/24 12:00 AM	7/23/24 08:23 AM	7/23/24 08:23 AM	Critical Alarm/Dialer Testing (1m) 5747 -An actual high wet level event on June 23, 2024 triggered the Telus alarm and WIN911 notification. Starting at 02:26 on July 23, a significant rain event caused the wet well level to rise to both the Telus and the WIN911 alarm setpoints multiple time. There was no overflow as both sewage pumps kept the level to below overflow. This confirmed the alarm system and notification was working.
3973274			5747, Powassan WWTL	OPER	Compliance	1	MONTHS	WISKI Review (1m) 5747	CLOSE	6/1/24 12:00 AM	8/7/24 09:38 PM	8/7/24 09:38 PM	WISKI Review (1m) 5747 - Monthly Raw sewage data was entered and lab reports reviewed. *Note: lagoon release data still needs to be input WISKI Review (1m) 5747 -Calculated and entered Lagoon Release Data

ONTARIO CLEAN WATER AGENCY
AGENCE ONTARIENNE DES EAUX

Workorder Summary Report

Report Start Date:	Jan 1, 2024 12:00 AM
Report End Date:	Dec 31, 2024 11:59 PM
Location:	5747*
Work Order Type:	ADMIN,CALL,CAP,CORR,EMER,OPER,PM
Work Order Class:	

				WorkOrder		PM Schedule		Workorder Details					
WO #	Asset ID	Asset Description	Location Description	Type	Class	FEQ	Units	Work Order Description	Status	Schedule Start	Actual Start	Actual Finsh	WorkLog Detail
3997524			5747, Powassan WWTL, Process	CAP	Refurbish/ Replace/Repair	0		Powassan Lagoon Discharge Chamber Valve Repairs	CLOSE		6/13/24 10:34 AM	6/13/24 10:34 AM	Powassan Lagoon Discharge Chamber Valve Repairs - Repair corroded valves in discharge boxes of both north and south cells.
4000284			Powassan Wastewater Treatment Lagoon	CAP	Inspection	0		Powassan CCTV Genesee Creek Sanitary and Birch St Sanitary	CLOSE		8/7/24 03:23 PM	8/7/24 03:23 PM	Powassan CCTV Genesee Creek Sanitary - Provide CCTV services: Inspect 400 m of 250 mm sewage main from manhole (MH) 19 Main and Valley View to MH 12 Clark St Pump station. camera sewer main - Camera sewer under and along genesee creek from manhole 19-16. obstruction in pipe to manhole 15 prevented the camera from passing and actually cut flusher nozzle. unable to gain access to manhole 15 due to road conditions. tried to camera from mh 12 but only able to get in 1.5m due to gasket from pipe. TF June 27,2024

ONTARIO CLEAN WATER AGENCY
AGENCE ONTARIENNE DES EAUX

Workorder Summary Report

Report Start Date:	Jan 1, 2024 12:00 AM
Report End Date:	Dec 31, 2024 11:59 PM
Location:	5747*
Work Order Type:	ADMIN,CALL,CAP,CORR,EMER,OPER,PM
Work Order Class:	

				WorkOrder		PM Schedule		Workorder Details					
WO #	Asset ID	Asset Description	Location Description	Type	Class	FEQ	Units	Work Order Description	Status	Schedule Start	Actual Start	Actual Finsh	WorkLog Detail
4001184	0000235352	PANEL BREAKER 02 600v POWASSAN WWTL:FAIRVIEW PS	5747, Powassan WWTL, Facility	CALL	Compliance	0		Powassan Sewage Clark Street High Wet Well Level Alarm	CLOSE		6/23/24 02:26 AM	6/23/24 09:15 AM	Powassan Sewage Clark Streeet High Wet Well Level Alarm - 02:26--Received Telus High Wet Well Level Alarm 03:09--Received WIN911 High Wet Well Alarm 03:25--Logged onto Wonderware to review trending and operations: -local rain event has raised the wet well level to blanking range followed by reduction in level -both sewage pumps working normally -sustained rain event in forecast: will monitor remotely 06:15--Received repeat WIN911 High Wet Well Level Alarm followed by system restore. 06:45--Received repeat WIN911 High Wet Well Level Alarm followed by system restore. 07:00--Logged onto Wonderware to review trending and operations: -local rain event has slowed down but precipitation continues -both sewage pumps working normally and has reduced wet well level several times -sustained rain event in forecast: will monitor remotely 08:27--Received Telus High Wet Well Level Alarm 08:30--Logged onto Wonderware to review trending and operations: -local radar shows rain event has currently ended with continued precipitation in the near forecast -will contact Darren Aljoe for continued response but suspect major portion of rain event has ended

ONTARIO CLEAN WATER AGENCY
AGENCE ONTARIENNE DES EAUX

Workorder Summary Report

Report Start Date:	Jan 1, 2024 12:00 AM
Report End Date:	Dec 31, 2024 11:59 PM
Location:	5747*
Work Order Type:	ADMIN,CALL,CAP,CORR,EMER,OPER,PM
Work Order Class:	

				WorkOrder		PM Schedule		Workorder Details					
WO #	Asset ID	Asset Description	Location Description	Type	Class	FEQ	Units	Work Order Description	Status	Schedule Start	Actual Start	Actual Finsh	WorkLog Detail
4001315			5747, Clark SPS	CALL	Inspection	0		5747 Powassan Clark Street SPS High Level Alarm	CLOSE		6/23/24 09:15 AM	6/23/24 11:15 AM	Powassan Clark Street SPS High Level Alarm - Contacted by Dan Finnigan regarding repeat Telus and WIN911 High Wet Well Level Alarming with eventual restoration due to precipitation event. Inspection of Wet Well observing level approximately 1.5 metres below Overflow with no indication of station Bypassing.
4001321			5747, Clark SPS	CALL	Inspection	0		5747 Powassan Clark Street SPS High Level Alarm	CLOSE		6/23/24 11:30 AM	6/23/24 03:30 PM	Powassan Clark Street SPS High Level Alarm - Received WIN911 High Wet Well Level Alarm followed by system restore. Received repeat WIN911 High Wet Well Level Alarm followed by system restore. Inspection of Wet Well observing Level approximately 1.0 metre from Overflow with no indication of Bypassing. Precipitation event subsided shortly after with system restoration.

ONTARIO CLEAN WATER AGENCY
AGENCE ONTARIENNE DES EAUX

Workorder Summary Report

Report Start Date:	Jan 1, 2024 12:00 AM
Report End Date:	Dec 31, 2024 11:59 PM
Location:	5747*
Work Order Type:	ADMIN,CALL,CAP,CORR,EMER,OPER,PM
Work Order Class:	

				WorkOrder		PM Schedule		Workorder Details					
WO #	Asset ID	Asset Description	Location Description	Type	Class	FEQ	Units	Work Order Description	Status	Schedule Start	Actual Start	Actual Finsh	WorkLog Detail
4012254	0000296003	GENERATOR NATURAL GAS GENSET Clark Street	5747, Clark SPS, Facility	PM	Refurbish/ Replace/Repair	1	MONTHS	Diesel Generator Inspection/ Functional Test (1m) 5747	CLOSE	7/1/24 12:00 AM	7/30/24 01:41 PM	7/30/24 01:41 PM	Diesel Generator Inspection/ Functional Test (1m) 5747 -July 23, 2024. Dan Finnigan performed the monthly Generator/ Functional test.. All fluid levels were checked, belts inspected, battery charging system, etc. The generator transfer button was pressed and the start command to the generator was initiated. While running, the system was observed for leaks or any other deficiencies. The following generator values were recorded while running: *Note: The generator only started on the 5th attempt. RPM's= 1790 Oil Level = Full Coolant Temp=178 Deg.F Battery Voltage= 12.0 V Oil Pressure 58 psi Hrs at start: 545.5 Hrs at stop: 545.8
4018123	0000126968	LAGOON CELL 01 SOUTH POWASSAN	5747, Powassan WWTL, Process	PM	Inspection	1	MONTHS	Lagoon Cell 01South Powassan Insp/Service (1m/6m/1y) 5747	CLOSE	7/1/24 12:00 AM	7/22/24 10:28 AM	7/22/24 10:28 AM	Lagoon Cell 01South Powassan Insp/ Service (1m/6m/1y) 5747 -Dan Finnigan inspected the associated lagoon during the monthly RAW sewage sample collection on July 16, 2024. The lagoon berm was inspected and found to be in good condition, the level was checked and found to be below the overflow level, and there were no other unusual observations.

ONTARIO CLEAN WATER AGENCY
AGENCE ONTARIENNE DES EAUX

Workorder Summary Report

Report Start Date:	Jan 1, 2024 12:00 AM
Report End Date:	Dec 31, 2024 11:59 PM
Location:	5747*
Work Order Type:	ADMIN,CALL,CAP,CORR,EMER,OPER,PM
Work Order Class:	

				WorkOrder		PM Schedule		Workorder Details					
WO #	Asset ID	Asset Description	Location Description	Type	Class	FEQ	Units	Work Order Description	Status	Schedule Start	Actual Start	Actual Finsh	WorkLog Detail
4018133	0000126967	LAGOON CELL 02 NORTH POWASSAN	5747, Powassan WWTL, Process	PM	Inspection	1	MONTHS	Lagoon Cell 02 North Powassan Insp/Service (1m/6m/1y) 5747	CLOSE	7/1/24 12:00 AM	7/22/24 10:29 AM	7/22/24 10:29 AM	Lagoon Cell 02 North Powassan Insp/Service (1m/6m/1y) 5747 -Dan Finnigan inspected the associated lagoon during the monthly RAW sewage sample collection on July 16, 2024. The lagoon berm was inspected and found to be in good condition, the level was checked and found to be below the overflow level, and there were no other unusual observations.
4018167	0000126969	LAGOON CELL 03 POWASSAN	5747, Powassan WWTL, Process	PM	Inspection	1	MONTHS	Lagoon Cell 03 Powassan Inspection/Service (1m/6m/1y) 5747	CLOSE	7/1/24 12:00 AM	7/22/24 10:31 AM	7/22/24 10:31 AM	Lagoon Cell 03 Powassan Inspection/Service (1m/6m/1y) 5747 -Dan Finnigan inspected the associated lagoon during the monthly RAW sewage sample collection on July 16, 2024. The lagoon berm was inspected and found to be in good condition, the level was checked and found to be below the overflow level, and there were no other unusual observations.
4018266			5747, Powassan WWTL	PM	HEALTH AND SAFETY	1	MONTHS	Health And Safety Inspection (1m) 5747	CLOSE	7/1/24 12:00 AM	7/30/24 01:43 PM	7/30/24 01:43 PM	
4018305			5747, Powassan WWTL	PM	Inspection	1	MONTHS	TPM Inspection/Maintenance (1m) 5747	CLOSE	7/1/24 12:00 AM	7/30/24 01:45 PM	7/30/24 01:45 PM	TPM Inspection/Maintenance (1m) 5747 -Completed by Dan Finnigan on July 23, 2024. The operation of all sewage station lift pumps were visually and audibly observed at both St. Gregory's Lift Station and the Clark Street Lift station. Pump #1 at St. Gregory SLS seemed a little noisy but pump output was normal. The control panels were also checked for functionality with nothing unusual noted. Ventilation screens at the Clark Station were in good condition, and there was nothing else to report.

ONTARIO CLEAN WATER AGENCY
AGENCE ONTARIENNE DES EAUX

Workorder Summary Report

Report Start Date:	Jan 1, 2024 12:00 AM
Report End Date:	Dec 31, 2024 11:59 PM
Location:	5747*
Work Order Type:	ADMIN,CALL,CAP,CORR,EMER,OPER,PM
Work Order Class:	

				WorkOrder		PM Schedule		Workorder Details					
WO #	Asset ID	Asset Description	Location Description	Type	Class	FEQ	Units	Work Order Description	Status	Schedule Start	Actual Start	Actual Finsh	WorkLog Detail
4018310			5747, Powassan WWTL	PM	Inspection	1	MONTHS	Critical Alarm/Dialer Testing (1m) 5747	CLOSE	7/1/24 12:00 AM	7/30/24 01:47 PM	7/30/24 01:47 PM	Critical Alarm/Dialer Testing (1m) 5747 -Conducted by Dan Finnigan on July 232, 2024. Both sewage pumps were turned off in “hand” and the wet well level was allowed to rise until the High Level alarm setpoint was reached. The Telus alarm was triggered and messaged the operator and both pumps were turned back on to pump down the level. Both sewage pumps shut off in Auto when the level returned to normal.
4021631			5747, Powassan WWTL	OPER	Compliance	1	MONTHS	WISKI Review (1m) 5747	CLOSE	7/1/24 12:00 AM	8/1/24 09:12 AM	8/1/24 09:12 AM	WISKI Review (1m) 5747 -WISKI Review (1m) for the month of June 2024 was completed on June 11, 2024 by Dan Finnigan. All values were checked and entered, lab data entries were reviewed, and this Work Order closed off.
4049549			5747, Powassan WWTL	CORR	Refurbish/ Replace/Repair	0		Sewer repair by Genesee Creek	CLOSE		7/11/24 04:00 PM	7/11/24 05:00 PM	
4051889			5747, Clark SPS	CALL	Inspection	0		5747 Powassan Clark Street SPS Communication Loss Alarm	CLOSE		7/28/24 02:30 PM	7/28/24 03:15 PM	

ONTARIO CLEAN WATER AGENCY
AGENCE ONTARIENNE DES EAUX

Workorder Summary Report

Report Start Date:	Jan 1, 2024 12:00 AM
Report End Date:	Dec 31, 2024 11:59 PM
Location:	5747*
Work Order Type:	ADMIN,CALL,CAP,CORR,EMER,OPER,PM
Work Order Class:	

				WorkOrder		PM Schedule		Workorder Details					
WO #	Asset ID	Asset Description	Location Description	Type	Class	FEQ	Units	Work Order Description	Status	Schedule Start	Actual Start	Actual Finsh	WorkLog Detail
4061211	0000296003	GENERATOR NATURAL GAS GENSET Clark Street	5747, Clark SPS, Facility	PM	Refurbish/ Replace/Repair	1	MONTHS	Diesel Generator Inspection/ Functional Test (1m) 5747	CLOSE	8/1/24 12:00 AM	8/9/24 12:29 PM	8/9/24 12:29 PM	Diesel Generator Inspection/ Functional Test (1m) 5747 -August 08, 2024. Dan Finnigan performed the monthly Generator/ Functional test.. All fluid levels were checked, belts inspected, battery charging system, etc. The generator transfer button was pressed and the start command to the generator was initiated. While running, the system was observed for leaks or any other deficiencies. The following generator values were recorded while running: *Note: The generator only started on the 8th attempt. RPM's= 1790 Oil Level = Full Coolant Temp=179 Deg.F Battery Voltage= 12.0 V Oil Pressure 59 psi Hrs at start: 545.8 Hrs at stop: 546.4
4066796	0000126968	LAGOON CELL 01 SOUTH POWASSAN	5747, Powassan WWTL, Process	PM	Inspection	1	MONTHS	Lagoon Cell 01South Powassan Insp/Service (1m/6m/1y) 5747	CLOSE	8/1/24 12:00 AM	8/9/24 12:31 PM	8/9/24 12:31 PM	Lagoon Cell 01South Powassan Insp/ Service (1m/6m/1y) 5747 -Dan Finnigan inspected the associated lagoon during the monthly RAW sewage sample collection on August 08, 2024. The lagoon berm was inspected and found to be in good condition, the level was checked and found to be below the overflow level, and there were no other unusual observations.

ONTARIO CLEAN WATER AGENCY
AGENCE ONTARIENNE DES EAUX

Workorder Summary Report

Report Start Date:	Jan 1, 2024 12:00 AM
Report End Date:	Dec 31, 2024 11:59 PM
Location:	5747*
Work Order Type:	ADMIN,CALL,CAP,CORR,EMER,OPER,PM
Work Order Class:	

				WorkOrder		PM Schedule		Workorder Details					
WO #	Asset ID	Asset Description	Location Description	Type	Class	FEQ	Units	Work Order Description	Status	Schedule Start	Actual Start	Actual Finsh	WorkLog Detail
4066806	0000126967	LAGOON CELL 02 NORTH POWASSAN	5747, Powassan WWTL, Process	PM	Inspection	1	MONTHS	Lagoon Cell 02 North Powassan Insp/Service (1m/6m/1y) 5747	CLOSE	8/1/24 12:00 AM	8/9/24 12:31 PM	8/9/24 12:31 PM	Lagoon Cell 02 North Powassan Insp/Service (1m/6m/1y) 5747 -Dan Finnigan inspected the associated lagoon during the monthly RAW sewage sample collection on August 08, 2024. The lagoon berm was inspected and found to be in good condition, the level was checked and found to be below the overflow level, and there were no other unusual observations.
4066850	0000126969	LAGOON CELL 03 POWASSAN	5747, Powassan WWTL, Process	PM	Inspection	1	MONTHS	Lagoon Cell 03 Powassan Inspection/Service (1m/6m/1y) 5747	CLOSE	8/1/24 12:00 AM	8/9/24 12:32 PM	8/9/24 12:32 PM	Lagoon Cell 03 Powassan Inspection/Service (1m/6m/1y) 5747 -Dan Finnigan inspected the associated lagoon during the monthly RAW sewage sample collection on August 08, 2024. The lagoon berm was inspected and found to be in good condition, the level was checked and found to be below the overflow level, and there were no other unusual observations.
4066901			5747, Powassan WWTL	PM	HEALTH AND SAFETY	1	MONTHS	Health And Safety Inspection (1m) 5747	CLOSE	8/1/24 12:00 AM	8/9/24 12:33 PM	8/9/24 12:33 PM	Health And Safety Inspection (1m) 5747 -Dan Finnigan conducted the monthly H&S Inspection on August 08, 2024which consisted of checking/verifying the following items: 1. Spill Kit: all items were available 2. Safety Signage (all intact and visible) 3. First aid kit 4. Hearing protection earmuffs 5. Emergency lighting (tested and working) 6. Emergency Eyewash (bottles are within use before date) 7. Fire Extinguisher 8. CO Monitor

ONTARIO CLEAN WATER AGENCY
AGENCE ONTARIENNE DES EAUX

Workorder Summary Report

Report Start Date:	Jan 1, 2024 12:00 AM
Report End Date:	Dec 31, 2024 11:59 PM
Location:	5747*
Work Order Type:	ADMIN,CALL,CAP,CORR,EMER,OPER,PM
Work Order Class:	

				WorkOrder		PM Schedule		Workorder Details					
WO #	Asset ID	Asset Description	Location Description	Type	Class	FEQ	Units	Work Order Description	Status	Schedule Start	Actual Start	Actual Finsh	WorkLog Detail
4066912			5747, Powassan WWTL	PM	Inspection	1	MONTHS	TPM Inspection/Maintenance (1m) 5747	CLOSE	8/1/24 12:00 AM	8/9/24 12:34 PM	8/9/24 12:34 PM	TPM Inspection/Maintenance (1m) 5747 -Completed by Dan Finnigan on August 08, 2024. The operation of all sewage station lift pumps were visually and audibly observed at both St. Gregory's Lift Station and the Clark Street Lift station. Pump #1 at St. Gregory SLS seemed a little noisy but pump output was normal. The control panels were also checked for functionality with nothing unusual noted. Ventilation screens at the Clark Station were in good condition, and there was nothing else to report. Completed by Dan Finnigan on August 08, 2024. The operation of all sewage station lift pumps were visually and audibly observed at both St. Gregory's Lift Station and the Clark Street Lift station. Pump #1 at St. Gregory SLS seemed a little noisy but pump output was normal. The control panels were also checked for functionality with nothing unusual noted. Ventilation screens at the Clark Station were in good condition, and there was nothing else to report.
4066917			5747, Powassan WWTL	PM	Inspection	1	MONTHS	Critical Alarm/Dialer Testing (1m) 5747	CLOSE	8/1/24 12:00 AM	8/9/24 12:36 PM	8/9/24 12:36 PM	Critical Alarm/Dialer Testing (1m) 5747 -Conducted by Dan Finnigan on August 08, 2024. Both sewage pumps were turned off in "hand" and the wet well level was allowed to rise until the High Level alarm setpoint was reached. The Telus alarm was triggered and messaged the operator and both pumps were turned back on to pump down the level. Both sewage pumps shut off in Auto when the level returned to normal.

ONTARIO CLEAN WATER AGENCY
AGENCE ONTARIENNE DES EAUX

Workorder Summary Report

Report Start Date:	Jan 1, 2024 12:00 AM
Report End Date:	Dec 31, 2024 11:59 PM
Location:	5747*
Work Order Type:	ADMIN,CALL,CAP,CORR,EMER,OPER,PM
Work Order Class:	

				WorkOrder		PM Schedule		Workorder Details					
WO #	Asset ID	Asset Description	Location Description	Type	Class	FEQ	Units	Work Order Description	Status	Schedule Start	Actual Start	Actual Finsh	WorkLog Detail
4069522			5747, Powassan WWTL	OPER	Compliance	1	MONTHS	WISKI Review (1m) 5747	CLOSE	8/1/24 12:00 AM	8/27/24 02:44 PM	8/27/24 02:44 PM	WISKI Review (1m) 5747 -WISKI Review (1m) for the month of July 2024 was completed on August 27, 2024 by Dan Finnigan. All values were checked and entered, lab data entries were reviewed, and this Work Order closed off.
4106447	0000296003	GENERATOR NATURAL GAS GENSET Clark Street	5747, Clark SPS, Facility	PM	Refurbish/ Replace/Repair	1	MONTHS	Diesel Generator Inspection/ Functional Test (1m) 5747	CLOSE	9/1/24 12:00 AM	9/27/24 11:43 AM	9/27/24 11:43 AM	Diesel Generator Inspection/ Functional Test (1m) 5747 -September 26, 2024. Dan Finnigan performed the monthly Generator/ Functional test.. All fluid levels were checked, belts inspected, battery charging system, etc. The generator transfer button was pressed and the start command to the generator was initiated. While running, the system was observed for leaks or any other deficiencies. The following generator values were recorded while running: *Note: The generator only started on the 8th attempt. RPM's= 1780 Oil Level = Full Coolant Temp=180 Deg.F Battery Voltage= 12.4 V Oil Pressure 52 psi Hrs at start: 548.5 Hrs at stop: 549.5
4113292	0000126968	LAGOON CELL 01 SOUTH POWASSAN	5747, Powassan WWTL, Process	PM	Inspection	1	MONTHS	Lagoon Cell 01South Powassan Insp/Service (1m/6m/1y) 5747	CLOSE	9/1/24 12:00 AM	9/27/24 11:19 AM	9/27/24 11:19 AM	Lagoon Cell 01South Powassan Insp/ Service (1m/6m/1y) 5747 -Dan Finnigan inspected the associated lagoon during the monthly RAW sewage sample collection on September 04, 2024. The lagoon berm was inspected and found to be in good condition, the level was checked and found to be below the overflow level, and there were no other unusual observations.

ONTARIO CLEAN WATER AGENCY
AGENCE ONTARIENNE DES EAUX

Workorder Summary Report

Report Start Date:	Jan 1, 2024 12:00 AM
Report End Date:	Dec 31, 2024 11:59 PM
Location:	5747*
Work Order Type:	ADMIN,CALL,CAP,CORR,EMER,OPER,PM
Work Order Class:	

				WorkOrder		PM Schedule		Workorder Details					
WO #	Asset ID	Asset Description	Location Description	Type	Class	FEQ	Units	Work Order Description	Status	Schedule Start	Actual Start	Actual Finsh	WorkLog Detail
4113310	0000126967	LAGOON CELL 02 NORTH POWASSAN	5747, Powassan WWTL, Process	PM	Inspection	1	MONTHS	Lagoon Cell 02 North Powassan Insp/Service (1m/6m/1y) 5747	CLOSE	9/1/24 12:00 AM	9/27/24 11:20 AM	9/27/24 11:20 AM	Lagoon Cell 02 North Powassan Insp/Service (1m/6m/1y) 5747 -Dan Finnigan inspected the associated lagoon during the monthly RAW sewage sample collection on September 04, 2024. The lagoon berm was inspected and found to be in good condition, the level was checked and found to be below the overflow level, and there were no other unusual observations.
4113329	0000126969	LAGOON CELL 03 POWASSAN	5747, Powassan WWTL, Process	PM	Inspection	1	MONTHS	Lagoon Cell 03 Powassan Inspection/Service (1m/6m/1y) 5747	CLOSE	9/1/24 12:00 AM	9/27/24 11:21 AM	9/27/24 11:21 AM	Lagoon Cell 03 Powassan Inspection/Service (1m/6m/1y) 5747 -Dan Finnigan inspected the associated lagoon during the monthly RAW sewage sample collection on September 04, 2024. The lagoon berm was inspected and found to be in good condition, the level was checked and found to be below the overflow level, and there were no other unusual observations.
4113344			5747, Powassan WWTL	PM	HEALTH AND SAFETY	1	MONTHS	Health And Safety Inspection (1m) 5747	CLOSE	9/1/24 12:00 AM	9/27/24 11:22 AM	9/27/24 11:22 AM	Health And Safety Inspection (1m) 5747 -Dan Finnigan conducted the monthly H&S Inspection on September 26, 2024which consisted of checking/verifying the following items: 1. Spill Kit: all items were available 2. Safety Signage (all intact and visible) 3. First aid kit 4. Hearing protection earmuffs 5. Emergency lighting (tested and working) 6. Emergency Eyewash (bottles are within use before date) 7. Fire Extinguisher 8. CO Monitor

ONTARIO CLEAN WATER AGENCY
AGENCE ONTARIENNE DES EAUX

Workorder Summary Report

Report Start Date:	Jan 1, 2024 12:00 AM
Report End Date:	Dec 31, 2024 11:59 PM
Location:	5747*
Work Order Type:	ADMIN,CALL,CAP,CORR,EMER,OPER,PM
Work Order Class:	

				WorkOrder		PM Schedule		Workorder Details					
WO #	Asset ID	Asset Description	Location Description	Type	Class	FEQ	Units	Work Order Description	Status	Schedule Start	Actual Start	Actual Finsh	WorkLog Detail
4113355			5747, Powassan WWTL	PM	Inspection	1	MONTHS	TPM Inspection/Maintenance (1m) 5747	CLOSE	9/1/24 12:00 AM	9/27/24 11:24 AM	9/27/24 11:24 AM	TPM Inspection/Maintenance (1m) 5747 -Completed by Dan Finnigan on September 26, 2024. The operation of all sewage station lift pumps were visually and audibly observed at both St. Gregory's Lift Station and the Clark Street Lift station. Pump #1 at St. Gregory SLS seemed a little noisy but pump output was normal. The control panels were also checked for functionality with nothing unusual noted. Ventilation screens at the Clark Station were in good condition, and there was nothing else to report.
4113360			5747, Powassan WWTL	PM	Inspection	1	MONTHS	Critical Alarm/Dialer Testing (1m) 5747	CLOSE	9/1/24 12:00 AM	9/27/24 11:50 AM	9/27/24 11:50 AM	Critical Alarm/Dialer Testing (1m) 5747 -Conducted by Dan Finnigan on September 26, 2024. Both sewage pumps were turned off in "hand" and the wet well level was allowed to rise until the High Level alarm setpoint was reached. The Telus alarm was triggered and messaged the operator and both pumps were turned back on to pump down the level. Both sewage pumps shut off in Auto when the level returned to normal.
4116233			5747, Powassan WWTL	OPER	Compliance	1	MONTHS	WISKI Review (1m) 5747	CLOSE	9/1/24 12:00 AM	9/23/24 08:03 AM	9/23/24 08:03 AM	WISKI Review (1m) 5747 -WISKI Review (1m) for the month of August 2024 was completed on September 18, 2024 by Dan Finnigan. All values were checked and entered, lab data entries were reviewed, and this Work Order closed off.
4143170			5747, Clark SPS	CALL	Inspection	0		5747 Powassan Clark Street SPS High Level Alarm	CLOSE		9/8/24 05:30 AM	9/8/24 09:15 AM	Powassan Clark Street SPS High Level Alarm - Received Clark Street SPS High Wet Well Level Alarm. Station inspection with Level @ 5.97 metres.

ONTARIO CLEAN WATER AGENCY
AGENCE ONTARIENNE DES EAUX

Workorder Summary Report

Report Start Date:	Jan 1, 2024 12:00 AM
Report End Date:	Dec 31, 2024 11:59 PM
Location:	5747*
Work Order Type:	ADMIN,CALL,CAP,CORR,EMER,OPER,PM
Work Order Class:	

				WorkOrder		PM Schedule		Workorder Details					
WO #	Asset ID	Asset Description	Location Description	Type	Class	FEQ	Units	Work Order Description	Status	Schedule Start	Actual Start	Actual Finsh	WorkLog Detail
4143171			5747, Clark SPS	CALL	Inspection	0		5747 Powassan Clark Street SPS High Level Alarm	CLOSE		9/8/24 09:15 AM	9/8/24 11:45 AM	Powassan Clark Street SPS High Level Alarm - Received Clark Street SPS High Wet Well Level Alarm. Reviewed historical trending for facility showing Pumps 1 and 2 began operating in conjunction continuously beginning @ 0426 hours on September 8. Reviewed Wonderware with Clark Street SPS Wet Well Level @ 9.6 metres. Adjusted WIN911 Clark Street SPS Wet Well Level Alarm Setpoint to 6.5 metres. Received WIN911 Clark Street SPS High Wet Well Level Alarm. Station inspection of Wet Well shows thick foaming resulting in transducer interference.
4143173			5747, Clark SPS	CALL	Inspection	0		5747 Powassan Clark Street SPS High Level Alarm	CLOSE		9/8/24 02:15 PM	9/8/24 03:30 PM	Powassan Clark Street SPS High Level Alarm -Received WIN911 Clark Street SPS High Wet Well Level Alarm. Station inspection with Level @ 7.39 metres and visual confirmation approximately 2.5 metres below Overflow with no further precipitation. Received repeat WIN911 Clark Street SPS High Wet Well Level Alarming. Reviewed Wonderware with Level @ 7.02 metres. Adjusted WIN911 Clark Street SPS High Wet Well Level Alarm Setpoint to 8.0 metres.

ONTARIO CLEAN WATER AGENCY
AGENCE ONTARIENNE DES EAUX

Workorder Summary Report

Report Start Date: Jan 1, 2024 12:00 AM
Report End Date: Dec 31, 2024 11:59 PM
Location: 5747*
Work Order Type: ADMIN,CALL,CAP,CORR,EMER,OPER,PM
Work Order Class:

				WorkOrder		PM Schedule		Workorder Details					
WO #	Asset ID	Asset Description	Location Description	Type	Class	FEQ	Units	Work Order Description	Status	Schedule Start	Actual Start	Actual Finsh	WorkLog Detail
4144587			Powassan Wastewater Treatment Lagoon	OPER	Predictive Maintenance	0		Powassan Fall 2024 Lagoon Treatment	CLOSE		10/2/24 09:52 AM	10/2/24 09:52 AM	Powassan Fall 2024 Lagoon Treatment - Treat old cell with 4 loads ferric. unable to properly treat south cell due to vegetation growth and low water levels. had to empty truck into lagoon. Ferric Sulphate Order Details -KEMIRA PIX-312 BULK 1,760.25 Dry Kg 5.7900 CAD/DKG CAD CN code: 2833290000 Net weight: 14,207.000 KG Gross weight: 14,207.000 KG 12.39 % Fe Delivery no / Date:86282556 / 09/23/2024 UN3264, CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S. (Ferric sulfate), 8, PGIII, RQ Country of Origin: CA
4145669	5747, Clark SPS			CALL	Inspection	0		5747 Powassan Clark Street SPS Communication Loss Alarm	CLOSE		9/20/24 12:15 AM	9/20/24 01:30 AM	Powassan Clark Street SPS Communication Loss Alarm - Received Clark Street SPS Communication Loss Alarm. Bell Network experiencing communication interruptions. Received WIN911 Clark Street SPS Communication Loss Alarm. Received additional WIN911 Clark Street SPS Communication Loss Alarm. Clark Street SPS Communication restored.
4145670	5747, Clark SPS			CALL	Inspection	0		5747 Powassan Clark Street SPS Communication Loss Alarm	CLOSE		9/21/24 07:30 PM	9/21/24 10:00 PM	Powassan Clark Street SPS Communication Loss Alarm - Received WIN911 Communication Loss Alarm. Communication restored. Station inspection with normal function confirmed.

ONTARIO CLEAN WATER AGENCY
AGENCE ONTARIENNE DES EAUX

Workorder Summary Report

Report Start Date:	Jan 1, 2024 12:00 AM
Report End Date:	Dec 31, 2024 11:59 PM
Location:	5747*
Work Order Type:	ADMIN,CALL,CAP,CORR,EMER,OPER,PM
Work Order Class:	

				WorkOrder		PM Schedule		Workorder Details					
WO #	Asset ID	Asset Description	Location Description	Type	Class	FEQ	Units	Work Order Description	Status	Schedule Start	Actual Start	Actual Finsh	WorkLog Detail
4156920	0000296003	GENERATOR NATURAL GAS GENSET Clark Street	5747, Clark SPS, Facility	PM	Refurbish/ Replace/Repair	1	MONTHS	Diesel Generator Inspection/ Functional Test (1m) 5747	CLOSE	10/1/24 12:00 AM	10/15/24 09:16 AM	10/15/24 09:16 AM	Diesel Generator Inspection/ Functional Test (1m) 5747 -October 10, 2024. Dan Finnigan performed the monthly Generator/ Functional test.. All fluid levels were checked, belts inspected, battery charging system, etc. The generator transfer button was pressed and the start command to the generator was initiated. While running, the system was observed for leaks or any other deficiencies. The following generator values were recorded while running: *Note: The generator only started on the 13th attempt. RPM's= 1785 Oil Level = Full Coolant Temp=178 Deg.F Battery Voltage= 12.0 V Oil Pressure 59 psi
4162777	0000126968	LAGOON CELL 01 SOUTH POWASSAN	5747, Powassan WWTL, Process	PM	Inspection	1	MONTHS	Lagoon Cell 01South Powassan Insp/Service (1m/6m/1y) 5747	CLOSE	10/1/24 12:00 AM	10/15/24 09:17 AM	10/15/24 09:17 AM	Lagoon Cell 01South Powassan Insp/ Service (1m/6m/1y) 5747 -Dan Finnigan inspected the associated lagoon during the monthly RAW sewage sample collection on October 10, 2024. The lagoon berm was inspected and found to be in good condition, the level was checked and found to be below the overflow level, and there were no other unusual observations.

ONTARIO CLEAN WATER AGENCY
AGENCE ONTARIENNE DES EAUX

Workorder Summary Report

Report Start Date:	Jan 1, 2024 12:00 AM
Report End Date:	Dec 31, 2024 11:59 PM
Location:	5747*
Work Order Type:	ADMIN,CALL,CAP,CORR,EMER,OPER,PM
Work Order Class:	

				WorkOrder		PM Schedule		Workorder Details					
WO #	Asset ID	Asset Description	Location Description	Type	Class	FEQ	Units	Work Order Description	Status	Schedule Start	Actual Start	Actual Finsh	WorkLog Detail
4162787	0000126967	LAGOON CELL 02 NORTH POWASSAN	5747, Powassan WWTL, Process	PM	Inspection	1	MONTHS	Lagoon Cell 02 North Powassan Insp/Service (1m/6m/1y) 5747	CLOSE	10/1/24 12:00 AM	10/15/24 09:25 AM	10/15/24 09:25 AM	Lagoon Cell 02 North Powassan Insp/Service (1m/6m/1y) 5747 -Dan Finnigan inspected the associated lagoon during the monthly RAW sewage sample collection on October 10, 2024. The lagoon berm was inspected and found to be in good condition, the level was checked and found to be below the overflow level, and there were no other unusual observations.
4162821	0000126969	LAGOON CELL 03 POWASSAN	5747, Powassan WWTL, Process	PM	Inspection	1	MONTHS	Lagoon Cell 03 Powassan Inspection/Service (1m/6m/1y) 5747	CLOSE	10/1/24 12:00 AM	10/15/24 09:26 AM	10/15/24 09:26 AM	Lagoon Cell 03 Powassan Inspection/Service (1m/6m/1y) 5747 -Dan Finnigan inspected the associated lagoon during the monthly RAW sewage sample collection on October 10, 2024. The lagoon berm was inspected and found to be in good condition, the level was checked and found to be below the overflow level, and there were no other unusual observations.
4162878			5747, Powassan WWTL	PM	HEALTH AND SAFETY	1	MONTHS	Health And Safety Inspection (1m) 5747	CLOSE	10/1/24 12:00 AM	10/15/24 09:28 AM	10/15/24 09:28 AM	Health And Safety Inspection (1m) 5747 -Dan Finnigan conducted the monthly H&S Inspection on October 10, 2024which consisted of checking/verifying the following items: 1. Spill Kit: all items were available 2. Safety Signage (all intact and visible) 3. First aid kit 4. Hearing protection earmuffs 5. Emergency lighting (tested and working) 6. Emergency Eyewash (bottles are within use before date) 7. Fire Extinguisher 8. CO Monitor

ONTARIO CLEAN WATER AGENCY
AGENCE ONTARIENNE DES EAUX

Workorder Summary Report

Report Start Date:	Jan 1, 2024 12:00 AM
Report End Date:	Dec 31, 2024 11:59 PM
Location:	5747*
Work Order Type:	ADMIN,CALL,CAP,CORR,EMER,OPER,PM
Work Order Class:	

				WorkOrder		PM Schedule		Workorder Details					
WO #	Asset ID	Asset Description	Location Description	Type	Class	FEQ	Units	Work Order Description	Status	Schedule Start	Actual Start	Actual Finsh	WorkLog Detail
4162894			5747, Powassan WWTL	PM	HEALTH AND SAFETY	1	YEARS	Fire Protection System Inspection (1y) 5747	COMP	10/1/24 12:00 AM	11/25/24 11:58 AM	11/25/24 11:58 AM	Fire Protection System Inspection (1y) 5747 -The Clark St. Sewage Station Fire Extinguisher was brought to Callander where a third party (Everguard) conducted the Annual Fire Extinguisher Inspection
4162918			5747, Powassan WWTL	PM	Inspection	1	MONTHS	TPM Inspection/Maintenance (1m) 5747	CLOSE	10/1/24 12:00 AM	10/15/24 09:29 AM	10/15/24 09:29 AM	TPM Inspection/Maintenance (1m) 5747 -Completed by Dan Finnigan on October 10, 2024. The operation of all sewage station lift pumps were visually and audibly observed at both St. Gregory's Lift Station and the Clark Street Lift station. Pump #1 at St. Gregory SLS seemed a little noisy but pump output was normal. The control panels were also checked for functionality with nothing unusual noted. Ventilation screens at the Clark Station were in good condition, and there was nothing else to report.
4162935			5747, Powassan WWTL	PM	Inspection	1	MONTHS	Critical Alarm/Dialer Testing (1m) 5747	CLOSE	10/1/24 12:00 AM	10/15/24 09:42 AM	10/15/24 09:42 AM	Critical Alarm/Dialer Testing (1m) 5747 -Conducted by Dan Finnigan on October 10, 2024. Both sewage pumps were turned off in "hand" and the wet well level was allowed to rise until the High Level alarm setpoint was reached. The Telus alarm was triggered and messaged the operator and both pumps were turned back on to pump down the level. Both sewage pumps shut off in Auto when the level returned to normal.

ONTARIO CLEAN WATER AGENCY
AGENCE ONTARIENNE DES EAUX

Workorder Summary Report

Report Start Date:	Jan 1, 2024 12:00 AM
Report End Date:	Dec 31, 2024 11:59 PM
Location:	5747*
Work Order Type:	ADMIN,CALL,CAP,CORR,EMER,OPER,PM
Work Order Class:	

				WorkOrder		PM Schedule		Workorder Details					
WO #	Asset ID	Asset Description	Location Description	Type	Class	FEQ	Units	Work Order Description	Status	Schedule Start	Actual Start	Actual Finsh	WorkLog Detail
4166788			5747, Powassan WWTL	OPER	Compliance	1	MONTHS	WISKI Review (1m) 5747	CLOSE	10/1/24 12:00 AM	11/1/24 05:58 PM	11/1/24 05:58 PM	WISKI Review (1m) 5747 -WISKI Review (1m) for the month of September 2024 was completed on November 1, 2024 by Dan Finnigan. All values were checked and entered, lab data entries were reviewed, and this Work Order closed off.
4195165			5747, Clark SPS	CALL	Inspection	0		5747 Powassan Clark Street SPS Communication Loss Alarm	CLOSE		10/20/24 01:00 AM	10/20/24 10:30 AM	Powassan Clark Street SPS Communication Loss Alarm - Received WIN911 Communications Loss Alarm followed by system restore. Received repeat WIN911 Communications Loss Alarm followed by system restore. Received WIN911 Communications Loss Alarm following issues with Bell network. Reviewed system with no issues.
4195879		Powassan Wastewater Treatment Lagoon		CAP	Predictive Maintenance	0		Powassan Clark St Station Sludge Removal	CLOSE		10/28/24 08:13 AM	10/28/24 08:13 AM	Powassan Clark St Station Sludge Removal -Clark Street sewage lift station cleaned out and sludge removed.

ONTARIO CLEAN WATER AGENCY
AGENCE ONTARIENNE DES EAUX

Workorder Summary Report

Report Start Date:	Jan 1, 2024 12:00 AM
Report End Date:	Dec 31, 2024 11:59 PM
Location:	5747*
Work Order Type:	ADMIN,CALL,CAP,CORR,EMER,OPER,PM
Work Order Class:	

				WorkOrder		PM Schedule		Workorder Details					
WO #	Asset ID	Asset Description	Location Description	Type	Class	FEQ	Units	Work Order Description	Status	Schedule Start	Actual Start	Actual Finsh	WorkLog Detail
4206168	0000296003	GENERATOR NATURAL GAS GENSET Clark Street	5747, Clark SPS, Facility	PM	Refurbish/ Replace/Repair	1	MONTHS	Diesel Generator Inspection/ Functional Test (1m) 5747	COMP	11/1/24 12:00 AM	11/25/24 01:34 PM	11/25/24 01:34 PM	Diesel Generator Inspection/ Functional Test (1m) 5747 -November 20, 2024. Dan Finnigan performed the monthly Generator/ Functional test.. All fluid levels were checked, belts inspected, battery charging system, etc. The generator transfer button was pressed and the start command to the generator was initiated. While running, the system was observed for leaks or any other deficiencies. The following generator values were recorded while running: *Note: The generator only started on the 14th attempt. RPM's= 1750 Oil Level = Full Coolant Temp=178 Deg.F Battery Voltage= 12.0 V Oil Pressure 58 psi Hrs at start: 550.5 Hrs at stop: 551.0
4211586	0000126968	LAGOON CELL 01 SOUTH POWASSAN	5747, Powassan WWTL, Process	PM	Inspection	1	MONTHS	Lagoon Cell 01South Powassan Insp/Service (1m/6m/1y) 5747	COMP	11/1/24 12:00 AM	11/25/24 01:44 PM	11/25/24 01:44 PM	Lagoon Cell 01South Powassan Insp/ Service (1m/6m/1y) 5747 -Dan Finnigan inspected the associated lagoon with mulitiple visits while the Fall Release was ongoing. The lagoon berm was inspected and found to be in good condition, the level was checked and found to be below the overflow level, and there were no other unusual observations.

ONTARIO CLEAN WATER AGENCY
AGENCE ONTARIENNE DES EAUX

Workorder Summary Report

Report Start Date:	Jan 1, 2024 12:00 AM
Report End Date:	Dec 31, 2024 11:59 PM
Location:	5747*
Work Order Type:	ADMIN,CALL,CAP,CORR,EMER,OPER,PM
Work Order Class:	

				WorkOrder		PM Schedule		Workorder Details					
WO #	Asset ID	Asset Description	Location Description	Type	Class	FEQ	Units	Work Order Description	Status	Schedule Start	Actual Start	Actual Finsh	WorkLog Detail
4211596	0000126967	LAGOON CELL 02 NORTH POWASSAN	5747, Powassan WWTL, Process	PM	Inspection	1	MONTHS	Lagoon Cell 02 North Powassan Insp/Service (1m/6m/1y) 5747	COMP	11/1/24 12:00 AM	11/25/24 01:45 PM	11/25/24 01:45 PM	Lagoon Cell 02 North Powassan Insp/Service (1m/6m/1y) 5747 -Dan Finnigan inspected the associated lagoon with mulitiple visits while the Fall Release was ongoing. The lagoon berm was inspected and found to be in good condition, the level was checked and found to be below the overflow level, and there were no other unusual observations.
4211618	0000126969	LAGOON CELL 03 POWASSAN	5747, Powassan WWTL, Process	PM	Inspection	1	MONTHS	Lagoon Cell 03 Powassan Inspection/Service (1m/6m/1y) 5747	COMP	11/1/24 12:00 AM	11/25/24 01:46 PM	11/25/24 01:46 PM	Lagoon Cell 03 Powassan Inspection/Service (1m/6m/1y) 5747 -Dan Finnigan inspected the associated lagoon with multiple visits while the Fall Release was ongoing. The lagoon berm was inspected and found to be in good condition, the level was checked and found to be below the overflow level, and there were no other unusual observations.

ONTARIO CLEAN WATER AGENCY
AGENCE ONTARIENNE DES EAUX

Workorder Summary Report

Report Start Date:	Jan 1, 2024 12:00 AM
Report End Date:	Dec 31, 2024 11:59 PM
Location:	5747*
Work Order Type:	ADMIN,CALL,CAP,CORR,EMER,OPER,PM
Work Order Class:	

				WorkOrder		PM Schedule		Workorder Details					
WO #	Asset ID	Asset Description	Location Description	Type	Class	FEQ	Units	Work Order Description	Status	Schedule Start	Actual Start	Actual Finsh	WorkLog Detail
4211636			5747, Powassan WWTL	PM	HEALTH AND SAFETY	1	MONTHS	Health And Safety Inspection (1m) 5747	COMP	11/1/24 12:00 AM	11/25/24 01:36 PM	11/25/24 01:36 PM	Health And Safety Inspection (1m) 5747 -Dan Finnigan conducted the monthly H&S Inspection on November 20, 2024which consisted of checking/verifying the following items: 1. Spill Kit: all items were available 2. Safety Signage (all intact and visible) 3. First aid kit 4. Hearing protection earmuffs 5. Emergency lighting (tested and working) 6. Emergency Eyewash (bottles are within use before date) 7. Fire Extinguisher 8. CO Monitor (not functioning) *A new CO monitor will be purchased
4211649			5747, Powassan WWTL	PM	Inspection	1	MONTHS	TPM Inspection/Maintenance (1m) 5747	COMP	11/1/24 12:00 AM	11/25/24 01:39 PM	11/25/24 01:39 PM	TPM Inspection/Maintenance (1m) 5747 -Completed by Dan Finnigan on November 20, 2024. The operation of all sewage station lift pumps were visually and audibly observed at both St. Gregory's Lift Station and the Clark Street Lift station. Pump #1 at St. Gregory SLS seemed a little noisy but pump output was normal. The control panels were also checked for functionality with nothing unusual noted. Ventilation screens at the Clark Station were in good condition, and there was nothing else to report.

ONTARIO CLEAN WATER AGENCY
AGENCE ONTARIENNE DES EAUX

Workorder Summary Report

Report Start Date:	Jan 1, 2024 12:00 AM
Report End Date:	Dec 31, 2024 11:59 PM
Location:	5747*
Work Order Type:	ADMIN,CALL,CAP,CORR,EMER,OPER,PM
Work Order Class:	

				WorkOrder		PM Schedule		Workorder Details					
WO #	Asset ID	Asset Description	Location Description	Type	Class	FEQ	Units	Work Order Description	Status	Schedule Start	Actual Start	Actual Finsh	WorkLog Detail
4211654			5747, Powassan WWTL	PM	Inspection	1	MONTHS	Critical Alarm/Dialer Testing (1m) 5747	COMP	11/1/24 12:00 AM	11/25/24 01:41 PM	11/25/24 01:41 PM	Critical Alarm/Dialer Testing (1m) 5747 -Conducted by Dan Finnigan on November 20, 2024. Both sewage pumps were turned off in “hand” and the wet well level was allowed to rise until the High Level alarm setpoint was reached. The Telus alarm was triggered and messaged the operator and both pumps were turned back on to pump down the level. Both sewage pumps shut off in Auto when the level returned to normal.
4214085			5747, Powassan WWTL	OPER	Compliance	1	MONTHS	WISKI Review (1m) 5747	COMP	11/1/24 12:00 AM	1/9/25 09:59 PM	1/9/25 09:59 PM	WISKI Review (1m) 5747 -WISKI Review (1m) for the month of October 2024 was completed on January 9, 2025 by Dan Finnigan. All values were checked, the Lagoon release reports were completed and entered, lab data entries were reviewed, and this Work Order closed off.
4238057			5747, Clark SPS, Facility	CAP	Refurbish/ Replace/Repair	0		Powassan Reservoir Generator Battery Replacement	COMP		11/21/24 08:31 AM	11/21/24 08:31 AM	Clark St Generator Battery Replacement - Battery failed load test and was replaced Correction: Reservoir Generator not Clark St. - Correction: Reservoir Generator not Clark St.
4238394	0000086556	METER FLOW POWASSAN WWTL (CLARKE STREET) OLD LIFT STN	5747, Clark SPS, Process	PM	Calibration	1	YEARS	Meter Flow Powassan WWTL Clark Street Calibration (1y) 5747	COMP	1/3/25 12:00 AM	1/14/25 12:12 PM	1/14/25 12:12 PM	Verification - Completed Sep 13, 2024
4238397	0000086563	METER FLOW 1 POWASSAN WWTL. ST.GREGORY SCHOOL PUMPING STATION #2	5747, Faireview SPS, Process	PM	Calibration	1	YEARS	Meter Flow 1 Powassan WWTL St. Gregory Calibration (1y) 5747	COMP	1/3/25 12:00 AM	1/14/25 12:11 PM	1/14/25 12:11 PM	Verification - Completed Sep 13, 2024

ONTARIO CLEAN WATER AGENCY
AGENCE ONTARIENNE DES EAUX

Workorder Summary Report

Report Start Date:	Jan 1, 2024 12:00 AM
Report End Date:	Dec 31, 2024 11:59 PM
Location:	5747*
Work Order Type:	ADMIN,CALL,CAP,CORR,EMER,OPER,PM
Work Order Class:	

				WorkOrder		PM Schedule		Workorder Details					
WO #	Asset ID	Asset Description	Location Description	Type	Class	FEQ	Units	Work Order Description	Status	Schedule Start	Actual Start	Actual Finsh	WorkLog Detail
4247951	0000296003	GENERATOR NATURAL GAS GENSET Clark Street	5747, Clark SPS, Facility	PM	Refurbish/ Replace/Repair	1	MONTHS	Diesel Generator Inspection/ Functional Test (1m) 5747	COMP	12/1/24 12:00 AM	12/3/24 02:54 PM	12/3/24 02:54 PM	Diesel Generator Inspection/ Functional Test (1m) 5747 -December 3, 2024 Dan Finnigan performed the monthly Generator/ Functional test.. All fluid levels were checked, belts inspected, battery charging system, etc. The generator transfer button was pressed and the start command to the generator was initiated. While running, the system was observed for leaks or any other deficiencies. The following generator values were recorded while running: *Note: The generator only started on the 14th attempt. RPM's= 1780 Oil Level = Full Coolant Temp=180 Deg.F Battery Voltage= 12.0 V Oil Pressure 52 psi Hrs at start: 551.0 Hrs at stop: 551.6
4253871	0000126968	LAGOON CELL 01 SOUTH POWASSAN	5747, Powassan WWTL, Process	PM	Inspection	1	MONTHS	Lagoon Cell 01South Powassan Insp/Service (1m/6m/1y) 5747	COMP	12/1/24 12:00 AM	12/3/24 02:46 PM	12/3/24 02:46 PM	Lagoon Cell 01South Powassan Insp/ Service (1m/6m/1y) 5747 -Dan Finnigan inspected the associated lagoon during the monthly RAW sewage sample collection on December 3, 2024. The lagoon berm was inspected and found to be in good condition, the level was checked and found to be below the overflow level, and there were no other unusual observations.

ONTARIO CLEAN WATER AGENCY
AGENCE ONTARIENNE DES EAUX

Workorder Summary Report

Report Start Date:	Jan 1, 2024 12:00 AM
Report End Date:	Dec 31, 2024 11:59 PM
Location:	5747*
Work Order Type:	ADMIN,CALL,CAP,CORR,EMER,OPER,PM
Work Order Class:	

				WorkOrder		PM Schedule		Workorder Details					
WO #	Asset ID	Asset Description	Location Description	Type	Class	FEQ	Units	Work Order Description	Status	Schedule Start	Actual Start	Actual Finsh	WorkLog Detail
4253881	0000126967	LAGOON CELL 02 NORTH POWASSAN	5747, Powassan WWTL, Process	PM	Inspection	1	MONTHS	Lagoon Cell 02 North Powassan Insp/Service (1m/6m/1y) 5747	COMP	12/1/24 12:00 AM	12/3/24 02:50 PM	12/3/24 02:50 PM	Lagoon Cell 02 North Powassan Insp/Service (1m/6m/1y) 5747 -Dan Finnigan inspected the associated lagoon during the monthly RAW sewage sample collection on December 3, 2024. The lagoon berm was inspected and found to be in good condition, the level was checked and found to be below the overflow level, and there were no other unusual observations.
4253903	0000126969	LAGOON CELL 03 POWASSAN	5747, Powassan WWTL, Process	PM	Inspection	1	MONTHS	Lagoon Cell 03 Powassan Inspection/Service (1m/6m/1y) 5747	COMP	12/1/24 12:00 AM	12/3/24 02:51 PM	12/3/24 02:51 PM	Lagoon Cell 03 Powassan Inspection/Service (1m/6m/1y) 5747 -Dan Finnigan inspected the associated lagoon during the monthly RAW sewage sample collection on December 3, 2024. The lagoon berm was inspected and found to be in good condition, the level was checked and found to be below the overflow level, and there were no other unusual observations.
4253921			5747, Powassan WWTL	PM	HEALTH AND SAFETY	1	MONTHS	Health And Safety Inspection (1m) 5747	COMP	12/1/24 12:00 AM	12/3/24 02:07 PM	12/3/24 02:07 PM	Health And Safety Inspection (1m) 5747 -Dan Finnigan conducted the monthly H&S Inspection on December 3, 2024 which consisted of checking/verifying the following items: 1. Spill Kit: all items were available 2. Safety Signage (all intact and visible) 3. First aid kit 4. Hearing protection earmuffs 5. Emergency lighting (tested and working) 6. Emergency Eyewash (bottles are within use before date) 7. Fire Extinguisher 8. CO Monitor

ONTARIO CLEAN WATER AGENCY
AGENCE ONTARIENNE DES EAUX

Workorder Summary Report

Report Start Date:	Jan 1, 2024 12:00 AM
Report End Date:	Dec 31, 2024 11:59 PM
Location:	5747*
Work Order Type:	ADMIN,CALL,CAP,CORR,EMER,OPER,PM
Work Order Class:	

				WorkOrder		PM Schedule		Workorder Details					
WO #	Asset ID	Asset Description	Location Description	Type	Class	FEQ	Units	Work Order Description	Status	Schedule Start	Actual Start	Actual Finsh	WorkLog Detail
4253932			5747, Powassan WWTL	PM	Inspection	1	MONTHS	TPM Inspection/Maintenance (1m) 5747	COMP	12/1/24 12:00 AM	12/3/24 02:08 PM	12/3/24 02:08 PM	TPM Inspection/Maintenance (1m) 5747 -Completed by Dan Finnigan on December 3, 2024. The operation of all sewage station lift pumps were visually and audibly observed at both St. Gregory's Lift Station and the Clark Street Lift station. Pump #1 at St. Gregory SLS seemed a little noisy but pump output was normal. The control panels were also checked for functionality with nothing unusual noted. Ventilation screens at the Clark Station were in good condition, and there was nothing else to report.
4253937			5747, Powassan WWTL	PM	Inspection	1	MONTHS	Critical Alarm/Dialer Testing (1m) 5747	COMP	12/1/24 12:00 AM	12/3/24 02:55 PM	12/3/24 02:55 PM	Critical Alarm/Dialer Testing (1m) 5747 -Conducted by Dan Finnigan on December 3, 2024. Both sewage pumps were turned off in "hand" and the wet well level was allowed to rise until the High Level alarm setpoint was reached. The Telus alarm was triggered and messaged the operator and both pumps were turned back on to pump down the level. Both sewage pumps shut off in Auto when the level returned to normal.
4256214			5747, Powassan WWTL	OPER	Compliance	1	MONTHS	WISKI Review (1m) 5747	COMP	12/1/24 12:00 AM	1/9/25 10:00 PM	1/9/25 10:00 PM	WISKI Review (1m) 5747 -WISKI Review (1m) for the month of November 2024 was completed on January 9, 2025 by Dan Finnigan. All values were checked, the Lagoon release reports were completed and entered, lab data entries were reviewed, and this Work Order closed off.

ONTARIO CLEAN WATER AGENCY
AGENCE ONTARIENNE DES EAUX

Workorder Summary Report

Report Start Date:	Jan 1, 2024 12:00 AM
Report End Date:	Dec 31, 2024 11:59 PM
Location:	5747*
Work Order Type:	ADMIN,CALL,CAP,CORR,EMER,OPER,PM
Work Order Class:	

				WorkOrder		PM Schedule		Workorder Details					
WO #	Asset ID	Asset Description	Location Description	Type	Class	FEQ	Units	Work Order Description	Status	Schedule Start	Actual Start	Actual Finsh	WorkLog Detail
4279540			5747, Clark SPS, Facility	CAP	Refurbish/ Replace/Repair	0		Powassan Clark St. Emergency Electrical Repair	COMP		12/17/24 02:38 PM	12/17/24 02:38 PM	Powassan Clark St. Electrical Repair - Electrician call in to troubleshoot loss of 110V power at the facility. Required fuses to be replaced and the facility was put back online.
4279999			5747, Clark SPS	CALL	Inspection	0		5747 Powassan Clark Street SPS High Level Alarm	COMP		12/16/24 06:30 AM	12/16/24 07:30 AM	Powassan Clark Street SPS High Level Alarm - Received High Level Alarm. System restore High Level Alarm following area power outage. No further issues.
4281290			5747, Clark SPS	CALL	Inspection	0		5747 Powassan Clark Street High Level Alarm	COMP		12/29/24 06:45 PM	12/29/24 10:45 PM	Powassan Clark Street High Level Alarm -Received Clark Street SPS High Wet Well Level Alarm. Received WIN Clark Street SPS High Wet Well Level Alarm. Station Inspection with Wet Well Level @ 8.01 metres experiencing precipitation event. Station inspection with Wet Well Level approximately 1.5 metres below Overflow with no signs of Bypass and currently no precipitation.
4281297			5747, Clark SPS	CALL	Inspection	0		5747 Powassan Clark Street SPS Communication Loss Alarm	COMP		12/29/24 01:00 AM	12/29/24 12:00 PM	Powassan Clark Street SPS Communication Loss Alarm - Received Clark Street Communication Loss Alarm. Reviewed Hydro One Storm Centre with no area outages. Suspect issue with Bell Internet service interruption. Station inspection with normal function observed. Outpost Panel online and functional.

Ontario

Ministry of the Environment, Conservation and Parks

Drinking Water and Environmental Compliance Division, Northern Region
Timmins District, North Bay Office
191 Booth Road, unit 16-17
North Bay ON P1A 4K3
Tel.: 705 497-6865
Fax: 705 497-6866

Ministère de l'Environnement, de la Protection de la nature et des Parcs

Division de la conformité en matière d'eau potable et d'environnement, Direction régionale du Nord
District de Timmins, Bureau de North Bay
191, rue Booth, Unité 16-17
North Bay ON P1A 4K3
Tél. : 705 497-6865
Téléc. : 705 497-6866

March 6th, 2025

by Email

Brayden Robinson, Treasurer
The Corporation of the Town of Powassan
250 Clark St., P.O. Box 250
Powassan, ON P0H 1Z0

RE: Inspection of Powassan Drinking Water System (No. 220000576) at 76 Fairview Lane, Powassan, ON on February 4th, 2025 | Planned Event No. 1-328888141

Attached to this letter is the report for the unannounced inspection completed at the Powassan Drinking Water System at 76 Fairview Lane, Powassan, ON on February 4th, 2025 and the corresponding Incident Rating Report (IRR) and Risk Methodology document. This report provides an assessment of compliance and conformance based on observations and information available during the inspection review period only.

CORRECTIVE ACTIONS

Instances of non-compliance and/or non-conformance were identified during the inspection. Please refer to the "Non-Compliance/Non-Conformance Items" section within the report to determine the actions required and take any necessary steps by the date(s) prescribed to bring the system/facility into compliance/conformance.

The IRR is a summarized quantitative measure of the drinking water system's annual inspections and is published in the Ministry's Chief Drinking Water Inspector's Annual Report. The Risk Methodology document describes the risk rating methodology which has been applied to the findings of the Ministry's municipal residential drinking water system inspection results.

Thank you for your co-operation. If you have any questions about the inspection process, including this information request, please contact me at (705) 358-1316 or by email at erin.spires@ontario.ca.

Sincerely,

Erin Spires

Erin Spires
Provincial Officer Badge #1540 and Water Inspector
Drinking Water and Environmental Compliance Division
Ministry of the Environment, Conservation and Parks' North Bay Area Office

Attachments

c: B. Allen, Program Manger(A) – North Bay Parry Sound District Health Unit
R. A-Muhong, Manager – North Bay Parry Sound District Health Unit
Source Protection, North Bay – Mattawa Conservation Authority
P. Dryda, Sr. Operations Manager – Ontario Clean Water Agency
D. Finnigan, Overall Responsible Operator – OCWA
M. Malette, Process and Compliance Technician – OCWA
S. Ilersich, Supervisor – MECP – DWECD – Timmins/North Bay Office
A. Belanger, District Manager(A) – Ministry of Natural Resources and Forestry – North Bay Office

POWASSAN DRINKING WATER SYSTEM
Physical Address: LOT:17, CONCESSION:13, GEOTOWNSHIP:SOUTH HIMSWORTH, , POWASSAN, ON

INSPECTION REPORT

System Number:	220000576
Entity:	THE CORPORATION OF THE MUNICIPALITY OF POWASSAN
Inspection Start Date:	February 04, 2025
Site Inspection Date:	February 04, 2025
Inspection End Date:	February 27, 2025
Inspected By:	Erin Spires
Badge #:	1540

Erin Spires
_____
(signature)

INTRODUCTION

Purpose

This unannounced, focused inspection was conducted to confirm compliance with Ministry of the Environment, Conservation and Parks' (MECP) legislation and conformance with ministry drinking water policies and guidelines.

Scope

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 and the operation of the system.

The inspection of the drinking water system included both the physical inspection of the component parts of the system listed in the "Systems Components" of the report and the review of data and documents associated with the operation of the drinking water system during the review period.

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.

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.

Facility Contacts and Dates

The drinking water system is owned by The Corporation of the Municipality of Powassan and operated by the Ontario Clean Water Agency (OCWA).

The system serves an estimated population of 965 and is categorized as a Large Municipal Residential System.

Information reviewed for this inspection covered the time period of January 20th, 2024 to February 4th, 2025. The water inspector met with Dan Finnigan, Operator with Overall Responsibility, and Monique Malette, Process and Compliance Technician, with OCWA, as part of the inspection process.

Systems/Components

All locations associated with primary disinfection were visited as part of this inspection. The following sites were visited as part of the inspection of the drinking water system:

Well No. 1:

- The well is located at Lot 17, Concession 13 in the Municipality of Powassan, Ontario.
- 150 mm diameter x 23.2 m deep drilled overburden production well including 3.8 m of screen, discharging into the distribution system through the pumphouse process piping.
- The well is equipped with a submersible pump with a rated capacity of 15.2 L/second at a total dynamic head of 92.2 m and one (1) 100 mm diameter flowmeter.

Note: There is a monitoring well located 5 m to the south of Well # 1 and protected by a 450 mm diameter, vertical corrugated steel pipe around the well casing and standing 1.2 m above ground level.

Well No. 2:

- The well is located at Lot 17, Concession 13 in the Municipality of Powassan, Ontario.
- 300 mm diameter x 18.6 m deep drilled overburden production well including 7.6 m of screen.
- The well is equipped with a submersible pump with a rated capacity of 15.2 L/second at a total dynamic head of 92 m and one (1) 100 mm diameter flowmeter.

Note: The well is located within the Genesee Creek flood plain. There is a 150 mm diameter test well located approximately 3.0 m to the east of Well # 2.

Powassan Water Treatment Plant:

- Primary and secondary disinfection using 12% sodium hypochlorite.
- The treatment facility is located at 76 Fairview Lane, Municipality of Powassan, Ontario.
- Pumphouse consisting of a 4.7 m x 6.9 m masonry building containing process piping, flowmeters, raw and treated water sample points, disinfection system, pump system controls, electrical systems, a drainage system with an external soak away pit sized for 1440 L/day and all associated appurtenances.
- Chlorination system consisting of two (2) sodium hypochlorite chemical feed pumps (1 duty and 1 standby), flow paced and equipped with auto switchover controls feeding at the discharge header. Chlorine is kept in two (2) sodium hypochlorite chemical solution tanks (duty, standby) and one spill containment basin.
- Chlorine contact pipe consisting of a 49 m length of 600 mm diameter serpentine pipeline installed below grade to provide adequate contact time at maximum flow and before the first consumer together with two (2) sample lines (duty, standby), each installed with a backflow preventer, feeding back to pump house for continuous water quality monitoring.

- Standby power consisting of one (1) 65 kW/81 kVA minimum rated standby diesel generator set, complete with a double walled fuel tank and automatic transfer switch, all installed in an external weatherproof and acoustic enclosure.
- Monitoring equipment consisting of two (2) magnetic flowmeters, one at each of the raw water feed pipes and online instrumentation that continuously monitors and records free chlorine residual at point of entry, and raw flows.

Reservoir at McRae Drive:

- Interconnected dual cell reservoir with a total capacity of 1 278 m3,
- Each cell is approximately 9.3 m x 13 m x 5.5 m water depth,
- Each cell is equipped with an inlet/outlet level sensor and a 300 mm diameter emergency overflow pipe within a 3.8 m x 4 m in-ground valve chamber.
- Rechlorination building is located on top of the valve chamber and houses a sodium hypochlorite storage tank with spill containment and two (2) chemical metering pumps (duty and standby) each rated at 1.4 L/hr available to inject sodium hypochlorite into the reservoir outlet line when required.
- A chlorine residual analyzer is provided to sample water from the reservoir outlet line.
- The reservoir is operated and controlled based on water demand/pressure in the distribution system.
- There is a 8 kW natural gas generator.
- Magnetic flow meter.

Note: The rechlorination system at the reservoir is not in use.

Distribution System:

- Serves an estimated population of 1000 residents,
- Consists of approximately 10.8 km of water mains made up of cast iron and polyvinyl chloride (PVC) piping ranging in size from 100 mm to 200 mm in diameter, and;
- Approximately 2.1 km of 250 mm diameter water main is installed in conjunction with the inground storage reservoir.

Permissions/Approvals

This drinking water system was subject to specific conditions contained within the following permissions and/or approvals (please note this list is not exhaustive) at the time of the inspection in addition to the requirements of the SDWA and its regulations:

- Drinking Water Works Permit No. 266-201, Issue No. 3, dated April 9th, 2021
- Municipal Drinking Water Licence No. 266-101, Issue No. 3, dated April 9th, 2021
- Permit to Take Water No. 7867-CDEJHF, dated April 14th, 2022
- Previous ministry inspection reports dated February 14th, 2024 and October 6th, 2022

NON-COMPLIANCE

The following item(s) have been identified as non-compliance, based on a "No" response captured for a legislative question(s). For additional information on each question see the Inspection Details section of the report.

Ministry Program: DRINKING WATER | **Regulated Activity:** DW Municipal Residential

Item	Question	Compliance Response/Corrective Action(s)
NC-1	**Question ID:** DWMR1007001 Was the owner maintaining the production well(s) in a manner sufficient to prevent entry into the well of surface water and other foreign materials?	The owner was not maintaining the production well(s) in a manner sufficient to prevent entry into the well of surface water and other foreign materials REQUIRED ACTIONS: On February 6th, 2025, the operator provided a picture indicating that the screen was replaced.

RECOMMENDATIONS

This should not be construed as a confirmation of full conformance with all potential applicable BMPs. These inspection findings are limited to the components and/or activities that were assessed, and the legislative framework(s) that were applied. It remains the responsibility of the owner to ensure compliance with all applicable legislative and regulatory requirements.

If you have any questions related to this inspection, please contact the signed Provincial Officer.

INSPECTION DETAILS

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

Ministry Program: DRINKING WATER | **Regulated Activity:** DW Municipal Residential

Question ID	DWMR1007001	**Question Type**	Legislative

Legislative Requirement(s):
SDWA | O. Reg. 170/03 | 1-2 | (1)1;

Question:
Was the owner maintaining the production well(s) in a manner sufficient to prevent entry into the well of surface water and other foreign materials?

Compliance Response(s)/Corrective Action(s)/Observation(s):
The owner was not maintaining the production well(s) in a manner sufficient to prevent entry into the well of surface water and other foreign materials

REQUIRED ACTIONS:

On February 6th, 2025, the operator provided a picture indicating that the screen was replaced.

DETAILS:

Section 1-2(1)1. Of Schedule 1 of O. Reg. 170/03 states that the owner of a drinking water system shall ensure that any well that serves as an entry point of raw water supply is maintained to prevent surface water and other foreign materials from entering the well.

On February 4th, 2025, the water compliance officer observed that a screen covering a vent on Well No. 2 was missing. This is a violation of Section 1-2(1)1 of Schedule 1 of O. Reg. 170/03.

Question ID	DWMR1009001	**Question Type**	Legislative

Legislative Requirement(s):
SDWA | 31 | (1);

Question:
Were measures in place to protect the groundwater and/or GUDI source in accordance with the Municipal Drinking Water Licence and Drinking Water Works Permit?

Compliance Response(s)/Corrective Action(s)/Observation(s):
Measures were in place to protect the groundwater and/or GUDI source.

Section 16.2.8 through 16.2.10 of Schedule B of the Licence requires that the operations and maintenance manual shall include, at a minimum, an inspection schedule for all wells

associated with the drinking water system, well inspection and maintenance procedures, and remedial action plans for situations of non-compliance and/or risk to the raw water quality.

In 2018 the below ground components of Wells No. 1 and 2 were inspected. The next inspection is planned for 2028.

In October 2022, there was a break at Well No. 2 that was excavated and repaired.

OCWA has a Standard Operation Procedure for the Above Grade Well Inspection of Well Components of the Powassan Wells (dated May 12th, 2017). The above ground components of Well No. 1 and 2 were last inspected on August 8th, 2024.

Question ID	DWMR1014001	**Question Type**	Legislative

Legislative Requirement(s):
SDWA | 31 | (1);

Question:
Was flow monitoring performed as required by the Municipal Drinking Water Licence or Drinking Water Works Permit?

Compliance Response(s)/Corrective Action(s)/Observation(s):
Flow monitoring was performed as required.

Question ID	DWMR1016001	**Question Type**	Legislative

Legislative Requirement(s):
SDWA | 31 | (1);

Question:
Was the owner in compliance with the conditions associated with maximum flow rate or the rated/operational capacity in the Municipal Drinking Water Licence?

Compliance Response(s)/Corrective Action(s)/Observation(s):
The owner was in compliance with the conditions associated with maximum flow rate and/or the rated/operational capacity conditions.

Condition 1.1 of Schedule C of the Licence indicates that the maximum daily volume of treated water that flows from Well No. 1 and 2 to the distribution system shall not exceed the rated capacity of 1 313 m3/day.

A review of the WISKI summary reports for the inspection period indicates that the maximum daily volume of treated water flows from Well No. 1 and 2 to the distribution system is 640.85 m3/day on June 19th, 2024.

Question ID	DWMR1018001	Question Type	Legislative

Legislative Requirement(s):
SDWA | 31 | (1);

Question:
Did the owner ensure that equipment was installed in accordance with Schedule A and Schedule C of the Drinking Water Works Permit?

Compliance Response(s)/Corrective Action(s)/Observation(s):
The owner ensured that equipment was installed as required.

Question ID	DWMR1025001	Question Type	Legislative

Legislative Requirement(s):
SDWA | 31 | (1);

Question:
Were all parts of the drinking water system that came in contact with drinking water disinfected in accordance with a procedure listed in Schedule B of the Drinking Water Works Permit?

Compliance Response(s)/Corrective Action(s)/Observation(s):
All parts of the drinking water system were disinfected as required.

Condition 2.3(a) of Schedule B of the Permit specifies that all parts of the drinking water system in contact with drinking water that are modified or replaced shall be disinfected in accordance with the ministry's Watermain Disinfection Procedure dated August 1, 2020.

Condition 2.2 and 2.3 of the Watermain Disinfection Procedure requires that for Category 1 watermain breaks the operator shall maintain flow until an air gap is established, disinfect any parts with a minimum of 1% sodium hypochlorite solution, and flush until a minimum free chlorine residual of 0.2 mg/L is achieved.

A review of the Distribution Repair and Maintenance Form for April 16th, 2024 indicates that a watermain break was repaired in accordance with the ministry's Watermain Disinfection Procedure.

Question ID	DWMR1023001	Question Type	Legislative

Legislative Requirement(s):
SDWA | O. Reg. 170/03 | 1-2 | (2);

Question:
Did records indicate that the treatment equipment was operated in a manner that achieved the design capabilities prescribed by O. Reg. 170/03, Drinking Water Works Permit and/or Municipal Drinking Water Licence at all times that water was being supplied to consumers?

Compliance Response(s)/Corrective Action(s)/Observation(s):
Records indicated that the treatment equipment was operated in a manner that achieved the design capabilities prescribed.

For groundwater supplies, O. Reg. 170/03 Schedule 1-3 requires the owner and operating authority for the system to ensure that the water treatment equipment, designed to comply with the Ministry's "Procedure for Disinfection of Drinking Water in Ontario" is operated to achieve at least 99% (2.0 log) removal or inactivation of viruses by the time treated water enters the distribution system.

The Standard Operating Procedure (SOP) for CT (Chlorine Concentration x Time) at the Powassan Drinking Water System, dated November 23rd, 2017, indicates that a CT of 4.74 mg/L*min would be achieved under the following worst-case conditions:

- Free chlorine residual below: 0.45 mg/L
- Max. treated flow rate of 15.2 L/sec
- pH of 6 to 9.5
- temperature of 5 deg. C

A review of the continuous trends, elogbooks, and WISKI summary reports for the inspection period indicates that primary disinfection was provided while water was directed to users.

Question ID	DWMR1024001	**Question Type**	Legislative

Legislative Requirement(s):
SDWA | O. Reg. 170/03 | 1-2 | (2);

Question:
Did records confirm that the water treatment equipment which provides chlorination or chloramination for secondary disinfection was operated as required?

Compliance Response(s)/Corrective Action(s)/Observation(s):
Records confirmed that the water treatment equipment which provides chlorination or chloramination for secondary disinfection was operated as required.

A review of the Powassan Distribution System Chlorine Monitoring sheets for the inspection period indicate that the lowest free chlorine residual occurred on August 15th, 2024 at 1.07 mg/L.

Question ID	DWMR1033001	**Question Type**	Legislative

Legislative Requirement(s):
SDWA | O. Reg. 170/03 | 7-2 | (3); SDWA | O. Reg. 170/03 | 7-2 | (4);

Question:
Was secondary disinfectant residual tested as required for the large municipal residential distribution system?

Compliance Response(s)/Corrective Action(s)/Observation(s):
Secondary disinfectant residual was tested as required.

Question ID	DWMR1030001	Question Type	Legislative

Legislative Requirement(s):
SDWA | O. Reg. 170/03 | 7-2 | (1); SDWA | O. Reg. 170/03 | 7-2 | (2);

Question:
Was primary disinfection chlorine monitoring being conducted at a location approved by Municipal Drinking Water Licence and/or Drinking Water Works Permit or at/near a location where the intended CT had just been achieved?

Compliance Response(s)/Corrective Action(s)/Observation(s):
Primary disinfection chlorine monitoring was conducted as required.

The chlorine analyzer located in the pumphouse measures the treated free chlorine residual after the intended chlorine contact time has been achieved through the CT pipe and before the water is directed to users.

Question ID	DWMR1035001	Question Type	Legislative

Legislative Requirement(s):
SDWA | O. Reg. 170/03 | 6-5 | (1)1-4;

Question:
Were operators examining continuous monitoring test results and did they examine the results within 72 hours of the test?

Compliance Response(s)/Corrective Action(s)/Observation(s):
Operators were examining continuous monitoring test results as required.

Question ID	DWMR1038001	Question Type	Legislative

Legislative Requirement(s):
SDWA | O. Reg. 170/03 | 6-5 | (1)1-4;

Question:
Was continuous monitoring equipment that was being utilized to fulfill O. Reg. 170/03 requirements performing tests for the parameters with at least the minimum frequency and recording data with the prescribed format?

Compliance Response(s)/Corrective Action(s)/Observation(s):
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 and recording data with the prescribed format.

Question ID	DWMR1037001	Question Type	Legislative

Legislative Requirement(s):
SDWA | O. Reg. 170/03 | 6-5 | (1)5-10; SDWA | O. Reg. 170/03 | 6-5 | (1.1);

Question:
Were 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, equipped with alarms or shut-off mechanisms that satisfied the standards described in Schedule 6?

Compliance Response(s)/Corrective Action(s)/Observation(s):
All required continuous monitoring equipment utilized for sampling and testing were equipped with alarms or shut-off mechanisms that satisfied the standards

Section 6-5(1)5(i) and (ii) of Schedule 6 of O. Reg. 170/03 requires that the continuous monitoring equipment must have a feature that ensures that no water is directed to users in the event that the equipment malfunctions, loses power, or if a test result for free chlorine residual is below the minimum alarm standard.

The free chlorine analyzer has an alarm set point of 0.8 mg/L that will lock out the well pumps and call out without delay.

There are also operational alarms at the Reservoir including for low free chlorine and for low and high levels.

Additionally, the free chlorine analyzer was equipped with an alarm that would trigger in the event of a loss of power or equipment malfunction.

Question ID	DWMR1040001	Question Type	Legislative

Legislative Requirement(s):
SDWA | O. Reg. 170/03 | 6-5 | (1)1-4; SDWA | O. Reg. 170/03 | 6-5 | (1)5-10;

Question:
Were all continuous analysers calibrated, maintained, and operated, in accordance with the manufacturer's instructions or the regulation?

Compliance Response(s)/Corrective Action(s)/Observation(s):
All continuous analysers were calibrated, maintained, and operated as required.

A review of the Work Order Summary Report and the Powassan Well Supply's Monthly Data Summary sheets for the inspection period indicate that the treated water free chlorine analyzer is verified twice each weekly and calibrated as needed.

Question ID	DWMR1108001	Question Type	Legislative

Legislative Requirement(s):
SDWA | O. Reg. 170/03 | 6-5 | (1)5-10; SDWA | O. Reg. 170/03 | 6-5 | (1.1);

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, Municipal Drinking Water Licence, Drinking Water Works Permit, or order triggered an alarm or an automatic shut-off, did a qualified person respond as required and take appropriate actions?

Compliance Response(s)/Corrective Action(s)/Observation(s):
A qualified person responded as required and took appropriate actions.

Question ID	DWMR1099001	Question Type	Information

Legislative Requirement(s):
Not Applicable

Question:
Do records show that water provided by the drinking water system met the Ontario Drinking Water Quality Standards?

Compliance Response(s)/Corrective Action(s)/Observation(s):
Records showed that all water sample results met the Ontario Drinking Water Quality Standards.

Question ID	DWMR1083001	Question Type	Legislative

Legislative Requirement(s):
SDWA | O. Reg. 170/03 | 10-3;

Question:
Were treated microbiological sampling requirements prescribed by Schedule 10-3 of O. Reg. 170/03 for large municipal residential systems met?

Compliance Response(s)/Corrective Action(s)/Observation(s):
Treated microbiological sampling requirements were met.

Section 10-3 of Schedule 10 of O. Reg. 170/03 requires that the owner and operating authority of the drinking water system must ensure that a treated water sample is taken at least once every week and tested for E.coli, total coliforms and general bacteria population expressed as colony counts on a heterotrophic plate count (HPC).

A review of the certificates of analysis for the inspection period indicates that a treated water sample was taken each week and tested for E.coli, total coliforms, and HPC.

Question ID	DWMR1081001	Question Type	Legislative

Legislative Requirement(s):
SDWA | O. Reg. 170/03 | 10-2 | (1); SDWA | O. Reg. 170/03 | 10-2 | (2); SDWA | O. Reg. 170/03 | 10-2 | (3);

Question:
Were distribution microbiological sampling requirements prescribed by Schedule 10-2 of O. Reg. 170/03 for large municipal residential systems met?

Compliance Response(s)/Corrective Action(s)/Observation(s):
Distribution microbiological sampling requirements were met.

Section 10-2 of Schedule 10 of O. Reg. 170/03 requires that the owner and operating authority for the drinking water system must ensure that at least nine distribution samples are taken every month, with at least one of the samples being taken each week. The owner and operating authority must ensure that each of the samples are tested for E.coli, total coliforms, and that at least 25% of the samples are tested for HPC.

A review of the certificates of analysis for the inspection period indicates that at least twelve (12) distribution system samples were taken each month and tested for E.coli and total coliforms. At least one sample each week is also tested for HPC.

Question ID	DWMR1096001	Question Type	Legislative

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

Question:
Did records confirm that chlorine residual tests were conducted at the same time and location as microbiological samples?

Compliance Response(s)/Corrective Action(s)/Observation(s):
Records confirmed that chlorine residual tests were conducted as required.

Question ID	DWMR1084001	Question Type	Legislative

Legislative Requirement(s):
SDWA | O. Reg. 170/03 | 13-2;

Question:
Were inorganic parameter sampling requirements prescribed by Schedule 13-2 of O. Reg. 170/03 met?

Compliance Response(s)/Corrective Action(s)/Observation(s):
Inorganic parameter sampling requirements were met.

Section 13-2 of Schedule 13 of O. Reg. 170/03 requires that the owner and operating

authority for the system must ensure that at least one treated water sample is taken every 36 months, if the system obtains water from a raw water supply that is ground water and test for every parameter set out in Schedule 23 (Inorganics).

A review of the certificate of analysis for the inspection period indicates that a treated water sample was taken on January 17th, 2024 and tested for Schedule 23 (Inorganic) parameters.

Question ID	DWMR1085001	**Question Type**	Legislative

Legislative Requirement(s):
SDWA | O. Reg. 170/03 | 13-4 | (1); SDWA | O. Reg. 170/03 | 13-4 | (2); SDWA | O. Reg. 170/03 | 13-4 | (3);

Question:
Were organic parameter sampling requirements prescribed by Schedule 13-4 of O. Reg. 170/03 met?

Compliance Response(s)/Corrective Action(s)/Observation(s):
Organic parameter sampling requirements were met.

Section 13-4 of Schedule 13 of O. Reg. 170/03 requires that the owner and operating authority for the system must ensure that at least one treated water sample is taken every 36 months, if the system obtains water from a raw water supply that is ground water and test for every parameter set out in Schedule 24 (Organics).

A review of the certificate of analysis for the inspection period indicates that a treated water sample was taken on January 17th, 2024 and tested for Schedule 24 (Organic) parameters.

Question ID	DWMR1086001	**Question Type**	Legislative

Legislative Requirement(s):
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);

Question:
Were haloacetic acid sampling requirements prescribed by Schedule 13-6 of O. Reg. 170/03 met?

Compliance Response(s)/Corrective Action(s)/Observation(s):
Haloacetic acid sampling requirements were met.

Section 13-6.1 of Schedule 13 of O. Reg. 170/03 requires the owner and operating authority of the drinking water system that provides chlorination must ensure that at least one distribution sample is taken in each calendar quarter, from a point in the distribution system that is likely to have an elevated potential for the formation of haloacetic acids, and tested for haloacetic acids (HAAs).

The standard for HAAs of 0.08 mg/L (80 µg/L) is expressed as a running annual average

(RAA) of quarterly results. O. Reg. 170/03 defines "calendar quarter" as the three-month period that begins on January 1, April 1, July 1, or October 1.

A review of the certificates of analysis for the inspection period indicate that sampling for HAAs occurred on January 8th, 2024 (5.3 µg/L), April 9th, 2024 (5.3 µg/L <MDL), July 16th, 2024 (5.3 ug/L <MDL), October 16th, 2024 (5.3 µg/L <MDL), and January 14th, 2025 (5.3 µg/L <MDL).

The RAA for HAAs at the time of the inspection is 5.3 µg/L.

Question ID	DWMR1087001	**Question Type**	Legislative

Legislative Requirement(s):
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); SDWA | O. Reg. 170/03 | 13-6 | (6);

Question:
Were trihalomethane sampling requirements prescribed by Schedule 13-6 of O. Reg. 170/03 met?

Compliance Response(s)/Corrective Action(s)/Observation(s):
Trihalomethane sampling requirements were met.

Section 13-6 of Schedule 13 of O. Reg. 170/03 requires the owner and operating authority of drinking water system that provides chlorination must ensure that at least one distribution sample is taken in each calendar quarter from a point in the distribution system that is likely to have an elevated potential for the formation of trihalomethanes and tested for trihalomethanes (THMs).

O. Reg. 169/03 sets the standard for THMS as 0.1 mg/L (100 µg/L) expressed as a RAA. RAA is defined as "the running annual average of quarterly results".

O. Reg. 170/03 defines the "calendar quarter" as the three-month period that begins on January 1, April 1, July 1, or October 1.

A review of the certificates of analysis for the inspection period indicate that sampling for THMs occurred on January 8th, 2024 (1.7 µg/L), April 9th, 2024 (0.99 µg/L), July 16th, 2024 (2.4 µg/L), October 16th, 2024 (1 µg/L), and January 14th, 2025 (4.9 µg/L).

The RAA for THMs at the time of the inspection is 2.32 µg/L.

Question ID	DWMR1088001	**Question Type**	Legislative

Legislative Requirement(s):
SDWA | O. Reg. 170/03 | 13-7;

Question:
Were nitrate/nitrite sampling requirements prescribed by Schedule 13-7 of O. Reg. 170/03 met?

Compliance Response(s)/Corrective Action(s)/Observation(s):
Nitrate/nitrite sampling requirements were met.

Section 13-7 of Schedule 13 of O. Reg. 170/03 requires that the owner and operating authority for the system must ensure that at least one treated water sample is taken every three months and tested for nitrate and nitrite.

A review of the certificates of analysis for the inspection period indicates that a treated water sample was taken and tested for nitrate and nitrite on January 8th, 2024, April 9th, 2024, July 16th, 2024, October 16th, 2024, and January 14th, 2025.

Question ID	DWMR1089001	**Question Type**	Legislative

Legislative Requirement(s):
SDWA | O. Reg. 170/03 | 13-8;

Question:
Were sodium sampling requirements prescribed by Schedule 13-8 of O. Reg. 170/03 met?

Compliance Response(s)/Corrective Action(s)/Observation(s):
Sodium sampling requirements were met.

Section 13-8 of Schedule 13 of O. Reg. 170/03 requires the owner and operating authority of the system must ensure that at least one treated water sample is taken every 60 months and tested for sodium.

The ministry's previous inspection report indicates that a treated water sample was tested for sodium on January 24th, 2022 with a result of 11.9 mg/L.

The next sample for sodium is required by January 24th, 2027 (+/- 90 days).

Question ID	DWMR1090001	**Question Type**	Legislative

Legislative Requirement(s):
SDWA | O. Reg. 170/03 | 13-9;

Question:
Where fluoridation is not practiced, were fluoride sampling requirements prescribed by Schedule 13-9 of O. Reg. 170/03 met?

Compliance Response(s)/Corrective Action(s)/Observation(s):
Fluoride sampling requirements were met.

Section 13-9 of Schedule 13 of O. Reg. 170/03 requires that the owner and operating authority for the system ensure that at least one treated water sample is taken every 60

months and tested for fluoride.

A review of the certificates of analysis indicate that a treated water sample was taken and tested for fluoride on January 17th, 2024 with a result of 0.22 mg/L.

The next sample for fluoride is required by January 17th, 2029 (+/- 90 days).

Question ID	DWMR1060001	**Question Type**	Legislative

Legislative Requirement(s):
SDWA | 31 | (1);

Question:
Did the operations and maintenance manual(s) meet the requirements of the Municipal Drinking Water Licence?

Compliance Response(s)/Corrective Action(s)/Observation(s):
The operations and maintenance manual(s) met the requirements of the Municipal Drinking Water Licence.

Question ID	DWMR1062001	**Question Type**	Legislative

Legislative Requirement(s):
SDWA | O. Reg. 170/03 | 7-5;

Question:
Did records or other record keeping mechanisms confirm that operational testing not performed by continuous monitoring equipment was done by a certified operator, water quality analyst, or person who met the requirements of Schedule 7-5 of O. Reg. 170/03?

Compliance Response(s)/Corrective Action(s)/Observation(s):
Records or other record keeping mechanisms confirmed that operational testing not performed by continuous monitoring equipment was done by a certified operator, water quality analyst, or person who met the requirements of Schedule 7-5 of O. Reg. 170/03.

Question ID	DWMR1071001	**Question Type**	BMP

Legislative Requirement(s):
Not Applicable

Question:
Did the owner provide security measures to protect components of the drinking water system?

Compliance Response(s)/Corrective Action(s)/Observation(s):
The owner provided security measures to protect components of the drinking water system.

The Powassan Water Treatment Plant is kept locked unless operators are onsite and is equipped with an intruder alarm.

The Powassan Reservoir building is kept locked and access to the hatches is restricted to heavy equipment.

Question ID	DWMR1073001	**Question Type**	Legislative

Legislative Requirement(s):
SDWA | O. Reg. 128/04 | 23 | (1);

Question:
Was an overall responsible operator designated for all subsystems which comprise the drinking water system?

Compliance Response(s)/Corrective Action(s)/Observation(s):
An overall responsible operator was designated for all subsystem.

Dan Finnigan and Darren Aljoe alternate acting as the Operator with Overall Responsibility (ORO) for the Powassan Drinking Water System. Tim Fraser and Don Michaud can act as back-up OROs.

Question ID	DWMR1074001	**Question Type**	Legislative

Legislative Requirement(s):
SDWA | O. Reg. 128/04 | 25 | (1);

Question:
Were operators-in-charge designated for all subsystems which comprise the drinking water system?

Compliance Response(s)/Corrective Action(s)/Observation(s):
Operators-in-charge were designated for all subsystems.

Question ID	DWMR1075001	**Question Type**	Legislative

Legislative Requirement(s):
SDWA | O. Reg. 128/04 | 22;

Question:
Were all operators certified as required?

Compliance Response(s)/Corrective Action(s)/Observation(s):
All operators were certified as required.

Question ID	DWMR1076001	Question Type	Legislative

Legislative Requirement(s):
SDWA | O. Reg. 170/03 | 1-2 | (2);

Question:
Were adjustments to the treatment equipment only made by certified operators?

Compliance Response(s)/Corrective Action(s)/Observation(s):
Adjustments to the treatment equipment were only made by certified operators.

February 2, 2023

Key Reference and Guidance Material for Municipal Residential Drinking Water Systems

Many useful materials are available to help you operate your drinking water system. Below is a list of key materials owners and operators of municipal residential drinking water systems frequently use.

To access these materials online click on their titles below or use your web browser to search for their titles. Contact the Ministry if you need assistance or have questions at 1-866-793-2588 or waterforms@ontario.ca.
For more information on Ontario's drinking water visit www.ontario.ca/page/drinking-water

Click on the publication below to access it

- Drinking Water System Profile Information Form - 012-2149E
- Laboratory Services Notification Form – 012-2148E
- Adverse Test Result Notification Form – 012-4444E
- Taking Care of Your Drinking Water: A Guide for Members of Municipal Councils
- Procedure for Disinfection of Drinking Water in Ontario
- Strategies for Minimizing the Disinfection Products Trihalomethanes and Haloacetic Acids
- Filtration Processes Technical Bulletin
- Ultraviolet Disinfection Technical Bulletin
- Guide for Applying for Drinking Water Works Permit Amendments, & License Amendments
- Certification Guide for Operators and Water Quality Analysts
- Training Requirements for Drinking Water Operator
- Community Sampling and Testing for Lead: Standard and Reduced Sampling and Eligibility for Exemption
- Drinking Water System Contact List – 7128E01
- Ontario's Drinking Water Quality Management Standard - Pocket Guide
- 2020 Watermain Disinfection Procedure
- List of Licensed Laboratories

DWS Name:	POWASSAN DRINKING WATER SYSTEM
DWS Number:	220000576
DWS Owner:	THE CORPORATION OF THE MUNICIPALITY OF POWASSAN
Municipal Location:	POWASSAN
Regulation:	O.REG. 170/03
DWS Category:	DW Municipal Residential
Type of Inspection:	Focused
Compliance Assessment Start Date:	Feb-4-2025
Ministry Office:	North Bay Area Office

Maximum Risk Rating: 436

Inspection Module	Non Compliance Risk (X out of Y)
Capacity Assessment	0/30
Certification and Training	0/42
Logbooks	0/14
Operations Manuals	0/14
Reporting & Corrective Actions	0/21
Source	14/14
Treatment Processes	0/189
Water Quality Monitoring	0/112
Overall - Calculated	**14/436**

Inspection Risk Rating:	**3.21%**

Final Inspection Rating:	**96.79%**

DWS Name:	POWASSAN DRINKING WATER SYSTEM
DWS Number:	220000576
DWS Owner Name:	THE CORPORATION OF THE MUNICIPALITY OF POWASSAN
Municipal Location:	POWASSAN
Regulation:	O.REG. 170/03
DWS Category:	DW Municipal Residential
Type of Inspection:	Focused
Compliance Assessment Start Date:	Feb-4-2025
Ministry Office:	North Bay Area Office

Non-Compliance Question(s)	Non Compliance Risk
Source	
Was the owner maintaining the production well(s) in a manner sufficient to prevent entry into the well of surface water and other foreign materials?	14
Overall - Total	**14**

Maximum Question Rating: 436

Inspection Risk Rating:	**3.21%**

FINAL INSPECTION RATING:	**96.79%**

APPLICATION OF THE RISK METHODOLOGY USED FOR MEASURING MUNICIPAL RESIDENTIAL DRINKING WATER SYSTEM INSPECTION RESULTS

The Ministry of the Environment (MOE) has a rigorous and comprehensive inspection program for municipal residential drinking water systems (MRDWS). Its objective is to determine the compliance of MRDWS with requirements under the Safe Drinking Water Act and associated regulations. It is the responsibility of the municipal residential drinking water system owner to ensure their drinking water systems are in compliance with all applicable legal requirements.

This document describes the risk rating methodology, which has been applied to the findings of the Ministry's MRDWS inspection results since fiscal year 2008-09. The primary goals of this assessment are to encourage ongoing improvement of these systems and to establish a way to measure this progress.

MOE reviews the risk rating methodology every three years.

The Ministry's Municipal Residential Drinking Water Inspection Protocol contains 15 inspection modules consisting of approximately 100 regulatory questions. Those protocol questions are also linked to definitive guidance that ministry inspectors use when conducting MRDWS inspections.

PIBS 6797e

Ontario

The questions address a wide range of regulatory issues, from administrative procedures to drinking water quality monitoring. The inspection protocol also contains a number of non-regulatory questions.

A team of drinking water specialists in the ministry assessed each of the inspection protocol regulatory questions to determine the risk (not complying with the regulation) to the delivery of safe drinking water. This assessment was based on established provincial risk assessment principles, with each question receiving a risk rating referred to as the Question Risk Rating. Based on the number of areas where a system is deemed to be non-compliant during the inspection, and the significance of these areas to administrative, environmental, and health consequences, a risk-based inspection rating is calculated by the ministry for each drinking water system.

It is important to be aware that an inspection rating less than 100 per cent does not mean the drinking water from the system is unsafe. It shows areas where a system's operation can improve. The ministry works with owners and operators of systems to make sure they know what they need to do to achieve full compliance.

The inspection rating reflects the inspection results of the specific drinking water system for the reporting year. Since the methodology is applied consistently over a period of years, it serves as a comparative measure both provincially and in relation to the individual system. Both the drinking water system and the public are able to track the performance over time, which encourages continuous improvement and allows systems to identify specific areas requiring attention.

The ministry's annual inspection program is an important aspect of our drinking water safety net. The ministry and its partners share a common commitment to excellence and we continue to work toward the goal of 100 per cent regulatory compliance.

Determining Potential to Compromise the Delivery of Safe Water

The risk management approach used for MRDWS is aligned with the Government of Ontario's Risk Management Framework. Risk management is a systematic approach to identifying potential hazards, understanding the likelihood and consequences of the hazards, and taking steps to reduce their risk if necessary and as appropriate.

The Risk Management Framework provides a formula to be used in the determination of risk:

RISK = LIKELIHOOD × CONSEQUENCE
(of the consequence)

Every regulatory question in the inspection protocol possesses a likelihood value (L) for an assigned consequence value (C) as described in **Table 1** and **Table 2**.

TABLE 1:

Likelihood of Consequence Occurring	Likelihood Value
0% - 0.99% (Possible but Highly Unlikely)	L = 0
1 – 10% (Unlikely)	L = 1
11 – 49% (Possible)	L = 2
50 – 89% (Likely)	L = 3
90 – 100% (Almost Certain)	L = 4

TABLE 2:

Consequence	Consequence Value
Medium Administrative Consequence	C = 1
Major Administrative Consequence	C = 2
Minor Environmental Consequence	C = 3
Minor Health Consequence	C = 4
Medium Environmental Consequence	C = 5
Major Environmental Consequence	C = 6
Medium Health Consequence	C = 7
Major Health Consequence	C = 8

The consequence values (0 through 8) are selected to align with other risk-based programs and projects currently under development or in use within the ministry as outlined in **Table 2**.

The Question Risk Rating for each regulatory inspection question is derived from an evaluation of every identified consequence and its corresponding likelihood of occurrence:

- All levels of consequence are evaluated for their potential to occur
- Greatest of all the combinations is selected.

The Question Risk Rating quantifies the risk of non-compliance of each question relative to the others. Questions with higher values are those with a potentially more significant impact on drinking water safety and a higher likelihood of occurrence. The highest possible value would be 32 (4×8) and the lowest would be 0 (0×1).

Table 3 presents a sample question showing the risk rating determination process.

TABLE 3:

Does the Operator in Charge ensure that the equipment and processes are monitored, inspected and evaluated?							
Risk = Likelihood × Consequence							
C=1	C=2	C=3	C=4	C=5	C=6	C=7	C=8
Medium Administrative Consequence	**Major** Administrative Consequence	**Minor** Environmental Consequence	**Minor** Health Consequence	**Medium** Environmental Consequence	**Major** Environmental Consequence	**Medium** Health Consequence	**Major** Health Consequence
L=4 (Almost Certain)	L=1 (Unlikely	L=2 (Possible)	L=3 (Likely)	L=3 (Likely)	L=1 (Unlikely	L=3 (Likely)	L=2 (Possible)
R=4	**R=2**	**R=6**	**R=12**	**R=15**	**R=6**	**R=21**	**R=16**

Application of the Methodology to Inspection Results

Based on the results of a MRDWS inspection, an overall inspection risk rating is calculated. During an inspection, inspectors answer the questions related to regulatory compliance and input their "yes", "no" or "not applicable" responses into the Ministry's Laboratory and Waterworks Inspection System (LWIS) database. A "no" response indicates non-compliance. The maximum number of regulatory questions asked by an inspector varies by: system (i.e., distribution, stand-alone); type of inspection (i.e., focused, detailed); and source type (i.e., groundwater, surface water).

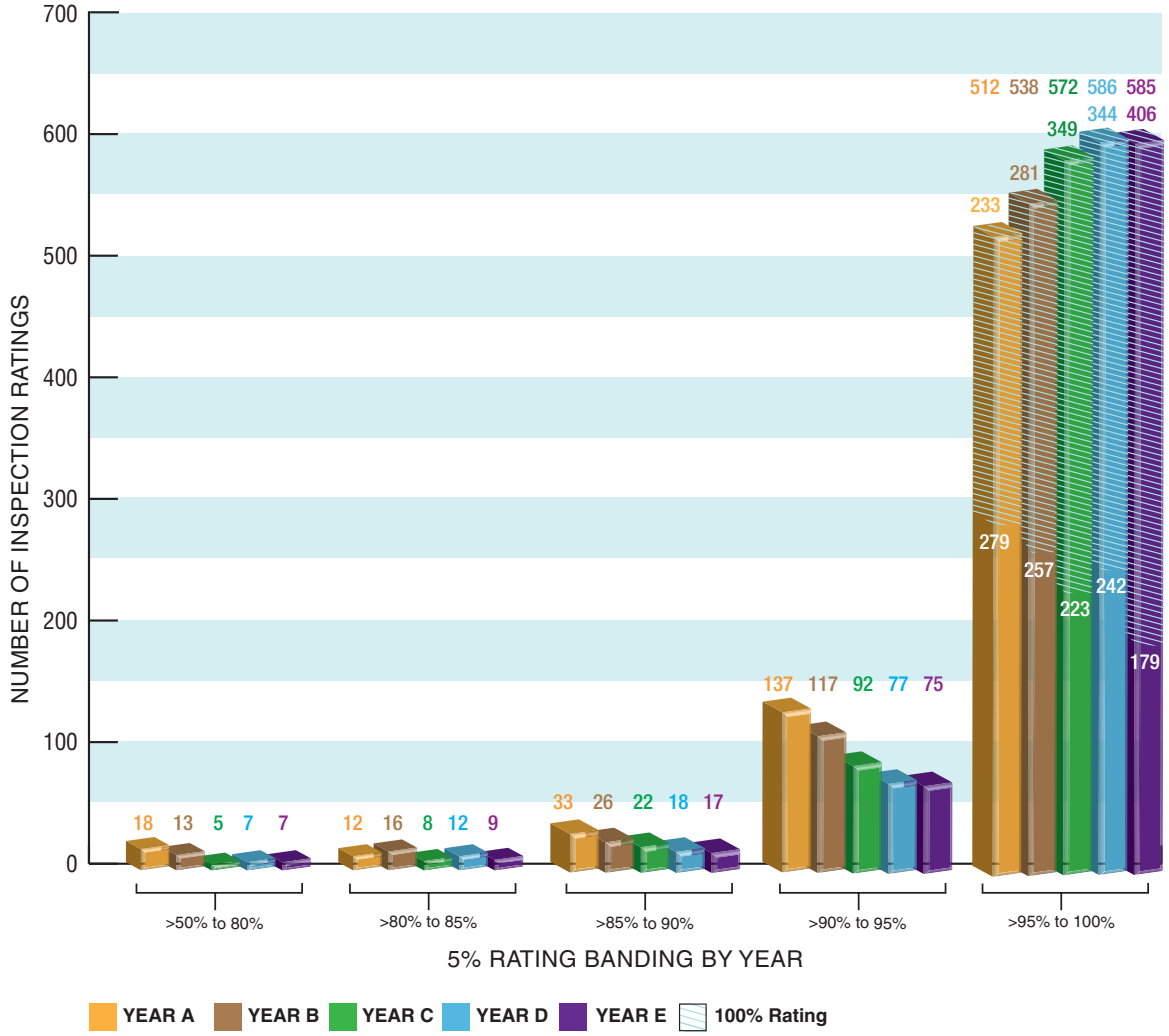
The risk ratings of all non-compliant answers are summed and divided by the sum of the risk ratings of all questions asked (maximum question rating). The resulting inspection risk rating (as a percentage) is subtracted from 100 per cent to arrive at the final inspection rating.

Application of the Methodology for Public Reporting

The individual MRDWS Total Inspection Ratings are published with the ministry's Chief Drinking Water Inspector's Annual Report.

Figure 1 presents the distribution of MRDWS ratings for a sample of annual inspections. Individual drinking water systems can compare against all the other inspected facilities over a period of inspection years.

Figure 1: Year Over Year Distribution of MRDWS Ratings



Reporting Results to MRDWS Owners/Operators

A summary of inspection findings for each system is generated in the form of an Inspection Rating Record (IRR). The findings are grouped into the 15 possible modules of the inspection protocol, which would provide the system owner/operator with information on the areas where they need to improve. The 15 modules are:

1. Source
2. Permit to Take Water
3. Capacity Assessment
4. Treatment Processes
5. Treatment Process Monitoring
6. Process Wastewater
7. Distribution System
8. Operations Manuals
9. Logbooks
10. Contingency and Emergency Planning
11. Consumer Relations
12. Certification and Training
13. Water Quality Monitoring
14. Reporting, Notification and Corrective Actions
15. Other Inspection Findings

For further information, please visit **www.ontario.ca/drinkingwater**

The Municipality of Powassan

Resolution no. 2025 - _____

Date: March 18, 2025

Moved by: Seconded by:

Be it resolved that the Proclamation from Autism Ontario regarding World Autism Day 2025 be received; and,

Further that Council for the Municipality of Powassan endorse the proclamation and that staff be directed to post the proclamation on the municipal website and social media page.

_____ _____ _____ _____

Carried Defeated Deferred Lost

_____

Mayor

Recorded Vote: Requested by_____

Name	Yeas	Nays	Name	Yeas	Nays
Councillor Randy Hall			Mayor Peter McIsaac		
Councillor Markus Wand					
Councillor Dave Britton					
Councillor Leo Patey					

A Proclamation on World Autism Day 2025

Whereas:
World Autism Day is recognized on April 2, 2025, in Canada. Autism Ontario is one of the largest collective voices representing the autism community, and the work we do helps all autistic individuals and families in their communities have access to meaningful support, information, and connections — not only on April 2 but every day throughout the year.

Whereas:
Autism impacts more than 135,000 individuals in Ontario, representing 1 in every 50 Canadian children and youth. It not only influences the lives of autistics but also their friends, families, and communities. It's crucial for us to raise awareness, and acceptance, provide support and promote a more inclusive society.

Whereas:
Autism is a diverse spectrum that varies widely among individuals. Each person's experience with autism can change over time. This evolving journey highlights the uniqueness of every autistic individual, emphasizing the need for understanding and support tailored to their specific needs.

Whereas:
Autism Ontario is the leading source of information and referral on autism, and since 1973, has been providing support, information, and opportunities for thousands of families and individuals across the province.

Whereas:
Autism Ontario is devoted to raising public awareness about autism and addressing the everyday challenges faced by individuals with autism, their families, and the professionals who work alongside them. We urge everyone to recognize and celebrate the unique differences and needs of others, fostering an inclusive environment where all individuals can participate fully in activities and discussions. Together, we can create a society that values and includes everyone.

Now Therefore:
BE IT RESOLVED that I, (insert Mayor name or designate), do hereby recognize April 2 as World Autism Day while committing to embrace awareness and acceptance today and every day throughout the year.

Dated at (municipality), Ontario this 2nd day of April 2025.

The Municipality of Powassan
The Heart of Good Living

PROCLAMATION

World Autism Day April 2, 2025

WHEREAS World Autism Day is recognized on April 2, 2025, in Canada. Autism Ontario is one of the largest collective voices representing the autism community, and the work we do helps all autistic individuals and families in their communities have access to meaningful support, information, and connections — not only on April 2 but every day throughout the year;

WHEREAS Autism impacts more than 135,000 individuals in Ontario, representing 1 in every 50 Canadian children and youth. It not only influences the lives of autistics but also their friends, families, and communities. It's crucial for us to raise awareness, and acceptance, provide support and promote a more inclusive society;

WHEREAS Autism is a diverse spectrum that varies widely among individuals. Each person's experience with autism can change over time. This evolving journey highlights the uniqueness of every autistic individual, emphasizing the need for understanding and support tailored to their specific needs;

WHEREAS Autism Ontario is the leading source of information and referral on autism, and since 1973, has been providing support, information, and opportunities for thousands of families and individuals across the province;

WHEREAS Autism Ontario is devoted to raising public awareness about autism and addressing the everyday challenges faced by individuals with autism, their families, and the professionals who work alongside them. We urge everyone to recognize and celebrate the unique differences and needs of others, fostering an inclusive environment where all individuals can participate fully in activities and discussions. Together, we can create a society that values and includes everyone.

NOW THEREFORE BE IT RESOLVED THAT
I, Peter McIsaac, Mayor of the Municipality of Powassan,
do hereby recognize April 2, 2025, as
WORLD AUTISM DAY.
Dated at the Municipality of Powassan, this 18th day of March 2025.

_____
Peter McIsaac, Mayor
Municipality of Powassan

March 2025

March 2025

Su	Mo	Tu	We	Th	Fr	Sa
						1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30	31					

April 2025

Su	Mo	Tu	We	Th	Fr	Sa
		1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30			

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
Feb 23	24	25	26	27	28	Mar 1
2	3	4 6:30pm Council	5	6	7	8
9	10	11	12 NBMCA	13 DSSAB	14	15
16	17 Library Board 6:00pm PUBLIC MEETING - ZBA - Council	18 6:30pm Council	19 Eastholme	20	21 Golden Sunshine Housing Copr.	22
23	24 6:00pm Police Services Board	25	26 6:00pm Maple Syrup Committee Meeting 7:00pm Recreation Committee	27 6:30pm Public Meeting - TCCC	28	29
30	31	Apr 1	2	3	4	5