

### SYSTEM OVERVIEW

April 1<sup>st</sup> to June 30<sup>th</sup> , 2025

### OPERATIONAL HIGHLIGHTS

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#### *Drinking Water System*

- The water treatment system operated well during the second quarter.

#### *Wastewater Treatment*

- The wastewater treatment system performed well during the second quarter.
- North cell lagoon treated with 1400 imperial gallons (IMPG) of ferric sulphate on May 8, 2025
- South cell lagoon treated with 1200 IMPG of ferric sulphate on May 8, 2025.
- Spring discharge completed from May 20 to June 20. Effluent samples below limits stated in Environmental Compliance Approval (ECA).

### CAPITAL PLAN PROGRESS

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#### *Drinking Water System*

- N/A

#### *Wastewater Treatment*

- Replaced UPS at Clark St Station

### ASSET MANAGEMENT

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See Appendix A - Work Order summary for water treatment plant (WTP)

See Appendix B - Work Order summary for wastewater treatment lagoon (WWTL)

### CALL-OUT SUMMARY

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See Appendix C – Call-out Report for WTP

See Appendix D – Call-out Report for WWTL

### REGULATORY

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- All drinking water samples required under O. Regulation 170/03 were collected and tested in the second quarter of 2025 and all results fell within regulatory limits.

- Winter term pH and alkalinity sampling completed April 10, 2025.
- Quarterly trihalomethanes (THM), haloacetic acids (HAA), Nitrate and Nitrite sampling completed April 7, 2025.
- On-site external Re-Accreditation audit completed May 14, 2025, there was one opportunity for improvement (OFI) identified.
- Internal Audit completed on June 13, 2025, there were seven opportunity for improvements (OFIs) identified.
- No Ministry of the Environment, Conservation and Parks (MECP) or Ministry of Labour (MOL) inspections were conducted this quarter.
- All required sewage samples required under the system's ECA collected and tested in the second quarter of 2025.
- CLI – ECA application submitted

### INCIDENTS AND COMPLAINTS

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#### *Powassan Drinking Water System*

<b>Incident</b>	Community Complaint- 503 Valley View Drive West
<b>Date</b>	June 20, 2025
<b>Details</b>	Air spurting in lines, very low pressure. Checked pressure on outside hose-bib (30 psi) and tested residual (1.54 mg/L). Checked aerators on taps and looked at incoming line (no noise from leaks, water meter reading zero, etc.). Checked pressure and residual on neighbors house (different watermain) and found 85 psi with 1.52 mg/L residual). Checked hydrant pressure just before customers service (high pressure and residual of 1.50. Suspect 1 inch service line leaking. Recommended running a potable line from the neighbors house to backfeed the customer and shut off the standpipe until the leak can be repaired.

#### *Powassan Wastewater System*

<b>Incident</b>	N/A
<b>Date</b>	
<b>Details</b>	

### HEALTH AND SAFETY

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- Staff training completed on Contractor Safety.
- Staff training completed on Safety Data Sheet Review.



- Staff training completed on Facility Annual Grating Inspections

### **POWASSAN DRINKING WATER SYSTEM PERFORMANCE**

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See Appendix E – Performance Assessment Report Water

### **POWASSAN WASTEWATER TREATMENT LAGOON – WASTEWATER FLOW SUMMARY**

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See Appendix F – Performance Assessment Report Wastewater



**Ontario Clean Water Agency**  
**Agence Ontarienne Des Eaux**

Northeastern Ontario Region

# **POWASSAN WATER & WASTEWATER SYSTEMS**

## **QUARTERLY OPERATIONS REPORT**

### **Appendix A - Work Order Summary for WTP**

Workorder Summary Report

Report Start Date: Apr 1, 2025 12:00 AM  
Report End Date: Jun 30, 2025 11:59 PM  
Location: 6033\*  
Work Order Type: CAP,CORR,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
4429857	0000235294	PANEL ALARM/ DIALER 01 POWASSAN GROUND WATER WELL	6033, Powassan WTP, Process, Lowlift, Well System	PM	Inspection	1	MONTHS	Critical Building Intrusion Alarm Testing (1m) 6033	COMP	4/1/25 12:00 AM	5/5/25 10:31 AM	5/5/25 10:31 AM	Critical Building Intrusion Alarm Testing (1m) 6033 -April 28, 2025. Dan Finnigan performed a test of the well supply building entrance door intrusion alarm by not disarming the alarm when entering the building. This caused an intrusion alarm, which True Steel Alarm Monitoring Service received and notified the on- call operator. This confirms that the building door intrusion alarm is working. DF
4439111	0000296004	GENERATOR NATURAL GAS GENSET McRae Road Reservoir	6033, Powassan WTP, Facility, Power Generation	PM	Refurbish/ Replace/Repair	1	MONTHS	Reservoir Natural Gas Generator Inspection/Functional Test (1m) 6033	CLOSE	4/1/25 12:00 AM	4/2/25 09:07 AM	4/2/25 09:07 AM	Reservoir Natural Gas Generator Inspection/Functional Test (1m) 6033 -April 1, 2025 by Dan Finnigan. The oil level was checked and found to be "full", and the air filter was checked and was clean. The main power to the building was disconnected and the generator started but died out once before running continuously. Power was transferred to the generator a moment later, and all building functionality was returned. After the test period the power to the building was re-instated, and after a cool-down period the generator shut down.

Workorder Summary Report

Report Start Date: Apr 1, 2025 12:00 AM  
Report End Date: Jun 30, 2025 11:59 PM  
Location: 6033\*  
Work Order Type: CAP,CORR,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
4445987	0000235294	PANEL ALARM/ DIALER 01 POWASSAN GROUND WATER WELL	6033, Powassan WTP, Process, Lowlift, Well System	PM	Inspection	1	MONTHS	Critical Alarm/Dialer Testing (1m) 6033	COMP	4/1/25 12:00 AM	5/5/25 10:48 AM	5/5/25 10:48 AM	Critical Alarm/Dialer Testing (1m) 6033 -Critical Alarm/Dialer Testing (1m) 6033 was completed by Dan Finnigan on April 28, 2025. The Cl2 probe was pulled out of the sample cells to perform a monthly inspection and cleaning and to force an alarm condition for the monthly testing of the low chlorine alarm, the alarm dialer and the well pump interlock lockout. WIN911 Alarming and the HMI (via Telus) provided notification to the on call operator. The Cl2 probe was placed back into the flow thru sample cell after it was inspected, cleaned and the electrolyte topped up. After the low chlorine alarm cleared, the well pump lockout was reset to resume normal operation of the well house. These actions verified proper operation of the low Cl2/instrument alarm, alarm dialer and well pump interlock.

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WO #	Asset ID	Asset Description	Location Description	Type	Class	FEQ	Units	Work Order Description	Status	Schedule Start	Actual Start	Actual Finsh	WorkLog Detail
4446439			6033, Powassan WTP	PM	HEALTH AND SAFETY	1	MONTHS	Health And Safety Inspection (1m) 6033	COMP	4/1/25 12:00 AM	5/5/25 10:33 AM	5/5/25 10:33 AM	Health And Safety Inspection (1m) 6033 - The monthly H&S Inspection was conducted on April 28, 2025 and consisted of checking/verifying the following items: 1. Chemical Apron 2. Face Shield 3. Spill Kit(s) X 2: all items were available 4. Chemical secondary containment (intact) 5. Safety Signage (all intact and visible) 6. First aid kit 7. Hearing protection earmuffs 8. Emergency lighting (tested and working) 9. Emergency Eyewash (tested and working)
4446598			6033, Powassan WTP, Process, Process Control & Monitoring	PM	Calibration	1	MONTHS	Analyzer Chlorine Inspection/ Service (1m) 6033	COMP	4/1/25 12:00 AM	5/5/25 10:44 AM	5/5/25 10:44 AM	Analyzer Chlorine Inspection/ Service (1m) 6033 - Analyzer Chlorine Inspection/ Service (1m) at the well house was performed by Dan Finnigan on April 28, 2025, following the low chlorine alarm test and probe maintenance. The chlorine analyzer was compared to the hand-held analyzer before the well pumps were allowed to restart.  Online analyzer: 1.87 mg/L Free Cl2 Handheld analyzer: 1.51 mg/L Free Cl2  The online analyzer was adjusted accordingly. The new slope after calibration was within spec.

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WO #	Asset ID	Asset Description	Location Description	Type	Class	FEQ	Units	Work Order Description	Status	Schedule Start	Actual Start	Actual Finsh	WorkLog Detail
4448401			6033, Powassan WTP	PM	Inspection	1	MONTHS	TPM Inspection/Maintenance (1m) 6033	COMP	4/1/25 12:00 AM	5/5/25 10:34 AM	5/5/25 10:34 AM	TPM Inspection/Maintenance (1m) 6033 -April 28, 2025 Reviewed trending to ensure both submersible well pumps are operating within normal parameters. Started exhaust fan and observed motorized louvers operating properly. Verified chlorine pump on hand, as well as duty chlorine pump operating satisfactorily.
4448406	0000209142	GENERATOR DIESEL POWASSAN GROUND WATER WELL:	6033, Powassan WTP, Facility, Power Generation	PM	Refurbish/ Replace/Repair	1	MONTHS	Wellhouse Diesel Generator Inspection/Functional Test (1m) 6033	COMP	4/1/25 12:00 AM	5/5/25 10:37 AM	5/5/25 10:37 AM	Wellhouse Diesel Generator Inspection/Functional Test (1m) 6033 - All fluid levels were checked, belts inspected, battery charging system, etc. The generator was started and the electrical load was transferred to generator power successfully, and transferred back to shore power properly when the test was completed. While running, the system was observed for leaks or any other deficiencies. Electrical volts and amps were recorded, along with the following generator values: RPM's = 1791 Oil Level = Full Coolant Temp=179 Deg.F Battery Voltage= 13.7V Oil Pressure 60 psi Fuel level = approximately 7.5 inches Hrs at start: 8313 hr 03 min Hrs at stop: 8314 hr 32 min Exhaust Temp = 600 Deg.



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WO #	Asset ID	Asset Description	Location Description	Type	Class	FEQ	Units	Work Order Description	Status	Schedule Start	Actual Start	Actual Finsh	WorkLog Detail
4450337			6033, Powassan WTP	OPER	Compliance	1	MONTHS	WISKI Review (1m) 6033	CLOSE	4/1/25 12:00 AM	4/2/25 11:35 AM	4/2/25 11:35 AM	WISKI Review (1m) 6033 - WISKI Review (1m) for the month of March 2025 was completed on April 2, 2025 by Dan Finnigan. Correction were made for chlorine residuals from testing, C.T. calcs were recorded for any exceedances of the Treated Flow, etc. All values were checked and entered, lab data entries were reviewed, WISKI Graphs corrected, and this Work Order closed off.
4459215	0000258571	ANALYZER CHLORINE AIT-601 RESERVOIR	6033, Powassan WTP, Process, Storage, Elevated Reservoir	PM	Calibration	1	MONTHS	Analyzer Chlorine Inspection/ Service (1m) 6033	CLOSE	4/1/25 12:00 AM	4/2/25 09:10 AM	4/2/25 09:10 AM	Analyzer Chlorine Inspection/ Service (1m) 6033 -Analyzer Chlorine Inspection/ Service (1m) at the Reservoir was performed by Dan Finnigan on April 01, 2025. Electrolyte levels were checked and filled, air was flushed from the analyzer housing, and readings checked against a pocket colorimeter. A single point calibration was conducted after placing the analyzer probe online. Online = 1.54 mg/L Tested = 1.52 mg/L The online analyzer was within 0.02 mg/L Free Cl2 and therefore did not required adjustment

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WO #	Asset ID	Asset Description	Location Description	Type	Class	FEQ	Units	Work Order Description	Status	Schedule Start	Actual Start	Actual Finsh	WorkLog Detail
4490779	0000235294	PANEL ALARM/ DIALER 01 POWASSAN GROUND WATER WELL	6033, Powassan WTP, Process, Lowlift, Well System	PM	Inspection	1	MONTHS	Critical Building Intrusion Alarm Testing (1m) 6033	COMP	5/1/25 12:00 AM	5/23/25 04:08 PM	5/23/25 04:08 PM	Critical Building Intrusion Alarm Testing (1m) 6033 -May 22, 2025. Dan Finnigan performed a test of the well supply building entrance door intrusion alarm by not disarming the alarm when entering the building. This caused an intrusion alarm, which True Steel Alarm Monitoring Service received and notified the on- call operator. This confirms that the building door intrusion alarm is working. DF
4500606	0000296004	GENERATOR NATURAL GAS GENSET McRae Road Reservoir	6033, Powassan WTP, Facility, Power Generation	PM	Refurbish/ Replace/Repair	1	MONTHS	Reservoir Natural Gas Generator Inspection/Functional Test (1m) 6033	COMP	5/1/25 12:00 AM	5/23/25 03:54 PM	5/23/25 03:54 PM	Reservoir Natural Gas Generator Inspection/Functional Test (1m) 6033 -May 22, 2025 by Dan Finnigan. The oil level was checked and found to be "full", and the air filter was checked and was clean. The main power to the building was disconnected and the generator started but continuously died out before running. The air filter cover was removed and the generator ran properly until power was transferred to the generator a moment later, and all building functionality was returned. After the test period the power to the building was re- instated, and after a cool-down period the generator shut down.

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WO #	Asset ID	Asset Description	Location Description	Type	Class	FEQ	Units	Work Order Description	Status	Schedule Start	Actual Start	Actual Finsh	WorkLog Detail
4506843	0000235294	PANEL ALARM/ DIALER 01 POWASSAN GROUND WATER WELL	6033, Powassan WTP, Process, Lowlift, Well System	PM	Inspection	1	MONTHS	Critical Alarm/Dialer Testing (1m) 6033	BUSCOMP	5/1/25 12:00 AM	5/23/25 04:06 PM	5/23/25 04:06 PM	Critical Alarm/Dialer Testing (1m) 6033 -May 22, 2025. Dan Finnigan performed a test of the well supply building entrance door intrusion alarm by not disarming the alarm when entering the building. This caused an intrusion alarm, which True Steel Alarm Monitoring Service received and notified the on- call operator. This confirms that the building door intrusion alarm is working. DF  Critical Alarm/Dialer Testing (1m) 6033 - Note: previous log entry entered incorrectly. Critical Alarm/Dialer Testing (1m) 6033 was completed by Dan Finnigan on May 22, 2025. The C12 probe was pulled out of the sample cells to perform a monthly inspection and cleaning and to force an alarm condition for the monthly testing of the low chlorine alarm, the alarm dialer and the well pump interlock lockout. WIN911 Alarming and the HMI (via Telus) provided notification to the on call operator. The C12 probe was placed back into the flow thru sample cell after it was inspected, cleaned and the electrolyte topped up. After the low chlorine alarm cleared, the well pump lockout was reset to resume normal operation of the well house. These actions verified proper operation of the low C12/instrument alarm, alarm dialer and well pump interlock.

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WO #	Asset ID	Asset Description	Location Description	Type	Class	FEQ	Units	Work Order Description	Status	Schedule Start	Actual Start	Actual Finsh	WorkLog Detail
4507150	0000258554	PUMP DIAPHRAGM #2 CHEMICAL S-HYPO FEED PUMP	6033, Powassan WTP	PM	HEALTH AND SAFETY	1	MONTHS	Health And Safety Inspection (1m) 6033	COMP	5/1/25 12:00 AM	5/23/25 03:47 PM	5/23/25 03:47 PM	Health And Safety Inspection (1m) 6033 - The monthly H&S Inspection was conducted on May 22, 2025 and consisted of checking/verifying the following items: 1. Chemical Apron 2. Face Shield 3. Spill Kit(s) X 2: all items were available 4. Chemical secondary containment (intact) 5. Safety Signage (all intact and visible) 6. First aid kit 7. Hearing protection earmuffs 8. Emergency lighting (tested and working) 9. Emergency Eyewash (tested and working)
4507252			6033, Powassan WTP, Process, Process Control & Monitoring	PM	Calibration	1	MONTHS	Analyzer Chlorine Inspection/ Service (1m) 6033	COMP	5/1/25 12:00 AM	5/23/25 04:12 PM	5/23/25 04:12 PM	Analyzer Chlorine Inspection/ Service (1m) 6033 - Analyzer Chlorine Inspection/ Service (1m) at the well house was performed by Dan Finnigan on May 22, 2025, following the low chlorine alarm test and probe maintenance. The chlorine analyzer was compared to the hand-held analyzer before the well pumps were allowed to restart. Online analyzer: 2.26 mg/L Free Cl2 Handheld analyzer: 1.77 mg/L Free Cl2 The online analyzer was adjusted accordingly. The new slope after calibration was 90% or 2.16 mA/ppm (within spec).

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WO #	Asset ID	Asset Description	Location Description	Type	Class	FEQ	Units	Work Order Description	Status	Schedule Start	Actual Start	Actual Finsh	WorkLog Detail
4508828	0000258554	PUMP DIAPHRAGM #2 CHEMICAL S-HYPO FEED PUMP	6033, Powassan WTP	PM	Inspection	1	MONTHS	TPM Inspection/Maintenance (1m) 6033	COMP	5/1/25 12:00 AM	5/23/25 03:49 PM	5/23/25 03:49 PM	TPM Inspection/Maintenance (1m) 6033 -May 22, 2025 Reviewed trending to ensure both submersible well pumps are operating within normal parameters. Started exhaust fan and observed motorized louvers operating properly. Verified chlorine pump on hand, as well as duty chlorine pump operating satisfactorily.
4508833	0000209142	GENERATOR DIESEL POWASSAN GROUND WATER WELL:	6033, Powassan WTP, Facility, Power Generation	PM	Refurbish/ Replace/Repair	1	MONTHS	Wellhouse Diesel Generator Inspection/Functional Test (1m) 6033	COMP	5/1/25 12:00 AM	5/23/25 04:16 PM	5/23/25 04:16 PM	Wellhouse Diesel Generator Inspection/Functional Test (1m) 6033 - May 22, 2025 by Dan Finnigan. All fluid levels were checked, belts inspected, battery charging system, etc. The generator was started and the electrical load was transferred to generator power successfully, and transferred back to shore power properly when the test was completed. While running, the system was observed for leaks or any other deficiencies. Electrical volts and amps were recorded, along with the following generator values: RPM's = 1791 Oil Level = Full Coolant Temp=179 Deg.F Battery Voltage= 13.7V Oil Pressure 60 psi Fuel level = approximately 7.5 inches Hrs at start: 8353 hr 31 min Hrs at stop: 8355 hr 29 min Exhaust Temp = 590 Deg. F

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WO #	Asset ID	Asset Description	Location Description	Type	Class	FEQ	Units	Work Order Description	Status	Schedule Start	Actual Start	Actual Finsh	WorkLog Detail
4509929	0000258554	PUMP DIAPHRAGM #2 CHEMICAL S-HYPO FEED PUMP	6033, Powassan WTP	OPER	Compliance	1	MONTHS	WISKI Review (1m) 6033	COMP	5/1/25 12:00 AM	5/6/25 12:14 PM	5/6/25 12:14 PM	WISKI Review (1m) 6033 -WISKI Review (1m) for the month of April 2025 was completed on May 6, 2025 by Dan Finnigan. Correction were made for chlorine residuals from testing. All values were checked and entered, lab data entries were reviewed, WISKI Graphs corrected, and this Work Order closed off.
4517863	0000258571	ANALYZER CHLORINE AIT-601 RESERVOIR	6033, Powassan WTP, Process, Storage, Elevated Reservoir	PM	Calibration	1	MONTHS	Analyzer Chlorine Inspection/ Service (1m) 6033	COMP	5/1/25 12:00 AM	5/23/25 04:14 PM	5/23/25 04:14 PM	Analyzer Chlorine Inspection/ Service (1m) 6033 -During the monthly maintenance / calibration the analyzer contact broke off and the analyzer was turned off. Repairs will be required before the analyzer can be returned to service.
4541786	0000258554	PUMP DIAPHRAGM #2 CHEMICAL S-HYPO FEED PUMP	6033, Powassan WTP	OPER	Inspection	1	YEARS	Grating Insp (1y) - 6033, Powassan WTP	COMP	5/1/25 12:00 AM	6/30/25 09:17 AM	6/30/25 09:17 AM	Grating Insp (1y) - 6033, Powassan WTP -There are no grating associated with this Org# / facility(ies).
4557366	0000235294	PANEL ALARM/ DIALER 01 POWASSAN GROUND WATER WELL	6033, Powassan WTP, Process, Lowlift, Well System	PM	Inspection	1	MONTHS	Critical Building Intrusion Alarm Testing (1m) 6033	COMP	6/1/25 12:00 AM	6/30/25 09:19 AM	6/30/25 09:19 AM	Critical Building Intrusion Alarm Testing (1m) 6033 -June 26, 2025 Dan Finnigan performed a test of the well supply building entrance door intrusion alarm by not disarming the alarm when entering the building. This caused an intrusion alarm, which True Steel Alarm Monitoring Service received and notified the on-call operator. This confirms that the building door intrusion alarm is working. DF

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WO #	Asset ID	Asset Description	Location Description	Type	Class	FEQ	Units	Work Order Description	Status	Schedule Start	Actual Start	Actual Finsh	WorkLog Detail
4561509	0000258554	PUMP DIAPHRAGM #2 CHEMICAL S-HYPO FEED PUMP	6033, Powassan WTP	PM	Inspection	1	YEARS	Wells Production Inspection (1y) 6033	COMP	6/1/25 12:00 AM	6/27/25 11:21 AM	6/27/25 11:21 AM	Wells Production Inspection (1y) 6033 -June 26, 2025. The well areas of both production wells #1 & #2 were inspected to check for the following: to ensure ground slope is adequate to prevent pooling of water around the well casing, To ensure there are no gaps around the well casing that would permit the entry of water, to ensure the well cap is securely fastened to prevent the entry of foreign material, to ensure screens and or vents are in place - secure and unobstructed, and to ensure the wells were labeled to identify them. To assess the condition of the well casing and discharge pipe the well pumps by turning off the pumps and then listening for leaks. The well area and facility was inspected for any signs of vandalism or unauthorized entry. The Sodium Hypochlorite feed pumps and tubing were check for any signs of leaks. No deficiencies were noted in this visual annual inspection. DF.
4301877			6033, Powassan WTP	OPER	HEALTH AND SAFETY	1	YEARS	WHMIS/MSDS/NSF Review And Update (1y) 6033	CLOSE	1/1/25 12:00 AM	4/4/25 06:15 PM	4/4/25 06:15 PM	WHMIS/MSDS/NSF Review And Update (1y) 6033 -WHMIS/MSDS/NSF Review And Update (1y) was completed on April 4, 2025. A review of controlled products was conducted and SDS sheets were reviewed to ensure the latest revision were available. NSF ratings for products used in Drinking Water were verified online. Floor plans were checked against the known layout, and the sampling calendar was reviewed to see what is required this year. The operator had valid WHMIS training.

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WO #	Asset ID	Asset Description	Location Description	Type	Class	FEQ	Units	Work Order Description	Status	Schedule Start	Actual Start	Actual Finsh	WorkLog Detail
4360982			6033, Powassan WTP	OPER	HEALTH AND SAFETY	1	YEARS	OCWA Annual Workplace Inspection (1Y) 6033	COMP	2/1/25 12:00 AM	6/12/25 08:08 AM	6/12/25 08:08 AM	OCWA Annual Workplace Inspection (1Y) 6033 -Conducted the annual workplace inpspection, filled out the form and emailed to management.
4566472	0000296004	GENERATOR NATURAL GAS GENSET McRae Road Reservoir	6033, Powassan WTP, Facility, Power Generation	PM	Refurbish/ Replace/Repair	1	MONTHS	Reservoir Natural Gas Generator Inspection/Functional Test (1m) 6033	COMP	6/1/25 12:00 AM	6/30/25 09:23 AM	6/30/25 09:23 AM	Reservoir Natural Gas Generator Inspection/Functional Test (1m) 6033 -The reservoir chlorine analyzer is Out of Service due to a probe malfunction. We are currently waiting on capital to purchase a new one.  - *Note: disregard previous log entry (entered in error)  June 26, 2025 by Dan Finnigan. The oil level was checked and found to be "full", and the air filter was checked and was clean. The main power to the building was disconnected and the generator started on the first attempt. The generator ran properly and power was transferred to the generator a moment later, and all building functionality was returned. After the test period the power to the building was re-instated, and after a cool-down period the generator shut down.



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4573510	0000235294	PANEL ALARM/ DIALER 01 POWASSAN GROUND WATER WELL	6033, Powassan WTP, Process, Lowlift, Well System	PM	Inspection	1	MONTHS	Critical Alarm/Dialer Testing (1m) 6033	COMP	6/1/25 12:00 AM	6/30/25 09:21 AM	6/30/25 09:21 AM	Critical Alarm/Dialer Testing (1m) 6033 -Critical Alarm/Dialer Testing (1m) 6033 was completed by Dan Finnigan on June 26, 2025. The CI2 probe was pulled out of the sample cells to perform a monthly inspection and cleaning and to force an alarm condition for the monthly testing of the low chlorine alarm, the alarm dialer and the well pump interlock lockout. The HMI (via Telus) provided notification to the on call operator. The CI2 probe was placed back into the flow thru sample cell after it was inspected, cleaned and the electrolyte topped up. After the low chlorine alarm cleared, the well pump lockout was reset to resume normal operation of the well house. These actions verified proper operation of the low CI2/instrument alarm, alarm dialer and well pump interlock.
4573664	0000258554	PUMP DIAPHRAGM #2 CHEMICAL S- HYPO FEED PUMP	6033, Powassan WTP	OPER	Compliance	1	YEARS	Facility Emergency Plan Review (1y) 6033	COMP	6/1/25 12:00 AM	6/25/25 01:12 PM	6/25/25 01:12 PM	Facility Emergency Plan Review (1y) 6033 -The FEP binder was updated and reviewed during the annual DWQMS Internal Audit conducted with the PCT on June 11, 2025

Workorder Summary Report

Report Start Date: Apr 1, 2025 12:00 AM  
Report End Date: Jun 30, 2025 11:59 PM  
Location: 6033\*  
Work Order Type: CAP,CORR,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
4573824	0000258554	PUMP DIAPHRAGM #2 CHEMICAL S-HYPO FEED PUMP	6033, Powassan WTP	PM	HEALTH AND SAFETY	1	MONTHS	Health And Safety Inspection (1m) 6033	COMP	6/1/25 12:00 AM	6/30/25 09:36 AM	6/30/25 09:36 AM	Health And Safety Inspection (1m) 6033 -The monthly H&S Inspection was conducted on June 26 2025 and consisted of checking/verifying the following items: 1. Chemical Apron 2. Face Shield 3. Spill Kit(s) X 2: all items were available 4. Chemical secondary containment (intact) 5. Safety Signage (all intact and visible) 6. First aid kit 7. Hearing protection earmuffs 8. Emergency lighting (tested and working) 9. Emergency Eyewash (tested and working)
4573996			6033, Powassan WTP, Process, Process Control & Monitoring	PM	Calibration	1	MONTHS	Analyzer Chlorine Inspection/ Service (1m) 6033	COMP	6/1/25 12:00 AM	6/30/25 09:26 AM	6/30/25 09:26 AM	Analyzer Chlorine Inspection/ Service (1m) 6033 -Analyzer Chlorine Inspection/ Service (1m) at the well house was performed by Dan Finnigan on June 26, 2025, following the low chlorine alarm test and probe maintenance. The chlorine analyzer was compared to the hand-held analyzer before the well pumps were allowed to restart. Online analyzer: 2.23 mg/L Free Cl2 Handheld analyzer: 1.50 mg/L Free Cl2 The online analyzer was adjusted accordingly. The new slope after calibration was 100% or 2.39 mA/ppm (within spec).

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				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
4575508	0000258554	PUMP DIAPHRAGM #2 CHEMICAL S-HYPO FEED PUMP	6033, Powassan WTP	PM	Inspection	1	MONTHS	TPM Inspection/Maintenance (1m) 6033	COMP	6/1/25 12:00 AM	6/30/25 09:32 AM	6/30/25 09:32 AM	TPM Inspection/Maintenance (1m) 6033 - June 26, 2025 Reviewed trending to ensure both submersible well pumps are operating within normal parameters. Started exhaust fan and observed motorized louvers operating properly. Verified chlorine pump on hand, as well as duty chlorine pump operating satisfactorily.
4575513	0000209142	GENERATOR DIESEL POWASSAN GROUND WATER WELL:	6033, Powassan WTP, Facility, Power Generation	PM	Refurbish/ Replace/Repair	1	MONTHS	Wellhouse Diesel Generator Inspection/Functional Test (1m) 6033	COMP	6/1/25 12:00 AM	6/30/25 09:35 AM	6/30/25 09:35 AM	Wellhouse Diesel Generator Inspection/Functional Test (1m) 6033 -June 26, 2025 by Dan Finnigan. All fluid levels were checked, belts inspected, battery charging system, etc. The generator was started and the electrical load was transferred to generator power successfully, and transferred back to shore power properly when the test was completed. While running, the system was observed for leaks or any other deficiencies. Electrical volts and amps were recorded, along with the following generator values: RPM's = 1797 Oil Level = Full Coolant Temp=179 Deg.F Battery Voltage= 13.7V Oil Pressure 62 psi Fuel level = approximately 7.0 inches  Hrs at start: 8455 hr 39 min Hrs at stop: 8456 hr 57 min Exhaust Temp = 550 Deg. F

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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
4576727	0000258554	PUMP DIAPHRAGM #2 CHEMICAL S-HYPO FEED PUMP	6033, Powassan WTP	OPER	Compliance	1	MONTHS	WISKI Review (1m) 6033	COMP	6/1/25 12:00 AM	6/4/25 05:12 PM	6/4/25 05:12 PM	WISKI Review (1m) 6033 -WISKI Review (1m) for the month of May 2025 was completed on June 4, 2025 by Dan Finnigan. Correction were made for chlorine residuals from testing, C.T. calcs were recorded for any exceedances of the Treated Flow, etc. All values were checked and entered, lab data entries were reviewed, WISKI Graphs corrected, and this Work Order closed off.
4586063	0000258571	ANALYZER CHLORINE AIT-601 RESERVOIR	6033, Powassan WTP, Process, Storage, Elevated Reservoir	PM	Calibration	1	MONTHS	Analyzer Chlorine Inspection/ Service (1m) 6033	COMP	6/1/25 12:00 AM	6/30/25 09:30 AM	6/30/25 09:30 AM	Analyzer Chlorine Inspection/ Service (1m) 6033 -The reservoir chlorine analyzer is Out of Service due to a probe malfunction. We are currently waiting on capital to purchase a new one.
4604052			Powassan Ground Water Well System	PM	Inspection	0		Flush dw fire hydrants powassan 6033	COMP		6/2/25 10:10 AM	6/2/25 10:10 AM	Flush dw fire hydrants powassan 6033 - Flush dw hydrants throughout powassan. some minor defects noted and report to be sent along by email. TF May 29/25
4609114			Powassan Ground Water Well System	OPER	Refurbish/ Replace/Repair	0		Oversee water and sewer installation at 250 South st Powassan 6033	COMP		6/26/25 11:02 AM	6/26/25 11:02 AM	Oversee water and sewer installation at 250 South st Powassan 6033 -public works replaced existing 1" copper with 1" poly from mainstop to curbstop. Pw located existing sewer stub and installed a two way cleanout. TF June 25/25



**Ontario Clean Water Agency**  
**Agence Ontarienne Des Eaux**

Northeastern Ontario Region

# **POWASSAN WATER & WASTEWATER SYSTEMS**

## **QUARTERLY OPERATIONS REPORT**

### **Appendix B - Work Order Summary for WWTL**

Workorder Summary Report

Report Start Date: Apr 1, 2025 12:00 AM  
Report End Date: Jun 30, 2025 11:59 PM  
Location: 5747\*  
Work Order Type: CAP,CORR,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
4439095	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	4/1/25 12:00 AM	4/2/25 10:42 AM	4/2/25 10:42 AM	Diesel Generator Inspection/ Functional Test (1m) 5747 -April 01, 2025 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 started on the 1 <sup>st</sup> attempt. RPM's= 1800 Oil Level = Full Coolant Temp=170 Deg.F Battery Voltage= 12.2 V Oil Pressure 59 psi Hrs at start: 556.80 Hrs at stop: 557.60
4445757	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	4/1/25 12:00 AM	4/2/25 10:20 AM	4/2/25 10:20 AM	Lagoon Cell 01South Powassan Insp/ Service (1m/6m/1y) 5747 -  Dan Finnigan inspected the associated lagoon during a routine inspection on April 01, 2025. 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.

Workorder Summary Report

Report Start Date: Apr 1, 2025 12:00 AM  
Report End Date: Jun 30, 2025 11:59 PM  
Location: 5747\*  
Work Order Type: CAP,CORR,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
4445774	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	4/1/25 12:00 AM	4/2/25 10:21 AM	4/2/25 10:21 AM	Lagoon Cell 02 North Powassan Insp/Service (1m/6m/1y) 5747 -  Dan Finnigan inspected the associated lagoon during a routine inspection on April 01, 2025. 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.
4445808	0000126969	LAGOON CELL 03 POWASSAN	5747, Powassan WWTL, Process	PM	Inspection	1	MONTHS	Lagoon Cell 03 Powassan Inspection/Service (1m/6m/1y) 5747	CLOSE	4/1/25 12:00 AM	4/2/25 10:22 AM	4/2/25 10:22 AM	Lagoon Cell 03 Powassan Inspection/Service (1m/6m/1y) 5747 -  Dan Finnigan inspected the associated lagoon during a routine inspection on April 01, 2025. 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.

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Location: 5747\*  
Work Order Type: CAP,CORR,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
4445877			5747, Powassan WWTL	PM	HEALTH AND SAFETY	1	MONTHS	Health And Safety Inspection (1m) 5747	CLOSE	4/1/25 12:00 AM	4/2/25 10:25 AM	4/2/25 10:25 AM	Health And Safety Inspection (1m) 5747 -Dan Finnigan conducted the monthly H&S Inspection on April 01, 2025 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 (not functioning)  *Note: Outside security lights have been replaced and are fully functional. Repairs were initiated and paid for by Municipal operations.
4445926			5747, Powassan WWTL	PM	Inspection	1	MONTHS	TPM Inspection/Maintenance (1m) 5747	CLOSE	4/1/25 12:00 AM	4/2/25 10:26 AM	4/2/25 10:26 AM	TPM Inspection/Maintenance (1m) 5747 -  Completed by Dan Finnigan on April 01, 2025. 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.



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Work Order Type: CAP,CORR,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
4445931			5747, Powassan WWTL	PM	Inspection	1	MONTHS	Critical Alarm/Dialer Testing (1m) 5747	CLOSE	4/1/25 12:00 AM	4/2/25 10:40 AM	4/2/25 10:40 AM	Critical Alarm/Dialer Testing (1m) 5747 -Conducted by Dan Finnigan on April 01, 2025. 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 (via WIN911 and True Steel). Both True Steel and the WIN911 Autodialer were 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
4450342			5747, Powassan WWTL	OPER	Compliance	1	MONTHS	WISKI Review (1m) 5747	COMP	4/1/25 12:00 AM	5/6/25 12:16 PM	5/6/25 12:16 PM	WISKI Review (1m) 5747 -WISKI Review (1m) for the month of March 2025 was completed by Dan Finnigan. All values were checked, lab data entries were reviewed, and this Work Order closed off.
4490241			5747, Clark SPS, Facility	CAP	Refurbish/ Replace/Repair	0		Clark St UPS and Battery for Alarm System	COMP		5/26/25 11:39 AM	5/26/25 11:39 AM	Clark St UPS and Battery for Alarm System - Clark St requires replacement UPS, and a Battery for the Alarm System. Clark St UPS and Battery for Alarm System - Installed new UPS and battery on Friday May 02, 2025 (UPS purchased from Staples on account and battery purchased from "Battery Battery" with cash).

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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
4500590	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	5/1/25 12:00 AM	5/26/25 08:19 AM	5/26/25 08:19 AM	Diesel Generator Inspection/ Functional Test (1m) 5747 - May 22, 2025 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 started on the 1st attempt. RPM's= 1800 Oil Level = Full Coolant Temp=178 Deg.F Battery Voltage= 12.0 V Oil Pressure 52 psi Hrs at start: 566.45 Hrs at stop: 567.00
4506713	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	5/1/25 12:00 AM	5/26/25 12:03 PM	5/26/25 12:03 PM	Lagoon Cell 01South Powassan Insp/ Service (1m/6m/1y) 5747 -Dan Finnigan inspected the associated lagoon during a site visit on May 22, 2025. 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.
4506738	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	5/1/25 12:00 AM	5/26/25 12:04 PM	5/26/25 12:04 PM	Lagoon Cell 02 North Powassan Insp/ Service (1m/6m/1y) 5747 -Dan Finnigan inspected the associated lagoon during a site visit on May 22, 2025. 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.

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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
4506760	0000126969	LAGOON CELL 03 POWASSAN	5747, Powassan WWTL, Process	PM	Inspection	1	MONTHS	Lagoon Cell 03 Powassan Inspection/Service (1m/6m/1y) 5747	COMP	5/1/25 12:00 AM	5/26/25 12:05 PM	5/26/25 12:05 PM	Lagoon Cell 03 Powassan Inspection/Service (1m/6m/1y) 5747 -Dan Finnigan inspected the associated lagoon during a site visit on May 22, 2025. 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.
4506778			5747, Powassan WWTL	PM	HEALTH AND SAFETY	1	MONTHS	Health And Safety Inspection (1m) 5747	COMP	5/1/25 12:00 AM	5/26/25 11:41 AM	5/26/25 11:41 AM	Health And Safety Inspection (1m) 5747 - Dan Finnigan conducted the monthly H&S Inspection on May 22, 2025 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 (not functioning)
4506796			5747, Powassan WWTL	PM	Inspection	1	MONTHS	TPM Inspection/Maintenance (1m) 5747	COMP	5/1/25 12:00 AM	5/26/25 11:44 AM	5/26/25 11:44 AM	TPM Inspection/Maintenance (1m) 5747 -Completed by Dan Finnigan on May 22, 2025. 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.

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				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
4506801			5747, Powassan WWTL	PM	Inspection	1	MONTHS	Critical Alarm/Dialer Testing (1m) 5747	COMP	5/1/25 12:00 AM	5/26/25 08:16 AM	5/26/25 08:16 AM	Critical Alarm/Dialer Testing (1m) 5747 -Conducted by Dan Finnigan on May 22, 2025. 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 (via WIN911 and True Steel). Both True Steel and the WIN911 Autodialer were 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 settings in less than 10 minutes of pumping.
4509934			5747, Powassan WWTL	OPER	Compliance	1	MONTHS	WISKI Review (1m) 5747	COMP	5/1/25 12:00 AM	5/6/25 12:17 PM	5/6/25 12:17 PM	WISKI Review (1m) 5747 -WISKI Review (1m) for the month of April 2025 was completed on May 06, 2025 by Dan Finnigan. All values were checked, lab data entries were reviewed, and this Work Order closed off.
4551937			Powassan Wastewater Treatment Lagoon	OPER	Predictive Maintenance	0		Powassan Spring 2025 Lagoon Treatment	COMP		6/25/25 01:35 PM	6/25/25 01:35 PM	Powassan Spring 2025 Lagoon Treatment -Thursday May 08, 2025 Treated North Cell of Lagoon with 1400 Imp Gallons Ferric Sulphate and Treated the South Cell of Lagoon with 1200 Imp Gallons of Ferric Sulphate with OCWA staff

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				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
4300083			5747, Powassan WWTL	OPER	HEALTH AND SAFETY	1	YEARS	WHMIS/MSDS/NSF Review And Update (1y) 5747	CLOSE	1/1/25 12:00 AM	4/2/25 11:38 AM	4/2/25 11:38 AM	WHMIS/MSDS/NSF Review And Update (1y) 5747 -WHMIS/MSDS/NSF Review And Update (1y) was completed on April 2, 2025. A review of controlled products was conducted and SDS sheets were reviewed to ensure the latest revision were available. NSF ratings for products used in Drinking Water were verified online. Floor plans were checked against the known layout, and the sampling calendar was reviewed to see what is required this year. The operator had valid WHMIS training.
4566456	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	6/1/25 12:00 AM	6/25/25 01:16 PM	6/25/25 01:16 PM	Diesel Generator Inspection/ Functional Test (1m) 5747 -June 25, 2025 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 started on the 1 <sup>st</sup> attempt. RPM's= 1800 Oil Level = Full Coolant Temp=180 Deg.F Battery Voltage= 12.5 V Oil Pressure 54 psi Hrs at start: 567.10 Hrs at stop: 567.80

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				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
4573393	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	6/1/25 12:00 AM	6/25/25 01:21 PM	6/25/25 01:21 PM	Lagoon Cell 01South Powassan Insp/Service (1m/6m/1y) 5747 -  Dan Finnigan inspected the associated lagoon during a site visit on June 25, 2025. 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.
4573403	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	6/1/25 12:00 AM	6/25/25 01:23 PM	6/25/25 01:23 PM	Lagoon Cell 02 North Powassan Insp/Service (1m/6m/1y) 5747 -Dan Finnigan inspected the associated lagoon during a site visit on June 25, 2025. 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.
4573425	0000126969	LAGOON CELL 03 POWASSAN	5747, Powassan WWTL, Process	PM	Inspection	1	MONTHS	Lagoon Cell 03 Powassan Inspection/Service (1m/6m/1y) 5747	COMP	6/1/25 12:00 AM	6/25/25 01:24 PM	6/25/25 01:24 PM	Lagoon Cell 03 Powassan Inspection/Service (1m/6m/1y) 5747 -Dan Finnigan inspected the associated lagoon during a site visit on June 25, 2025. 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.
4573440			5747, Powassan WWTL	OPER	Compliance	1	YEARS	Facility Emergency Plan Review (1y) 5747	COMP	6/1/25 12:00 AM	6/20/25 01:13 PM	6/20/25 01:13 PM	Facility Emergency Plan Review (1y) 5747 -Reviewed updates sent by PCT, updated binder, etc.
4573441			5747, Powassan WWTL	OPER	Compliance	2	YEARS	Operation/Sop Manual Review And Update (2y) 5747	COMP	6/1/25 12:00 AM	6/20/25 01:14 PM	6/20/25 01:14 PM	Operation/Sop Manual Review And Update (2y) 5747 -Reviewed and updated operations manual

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				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
4573448			5747, Powassan WWTL	PM	HEALTH AND SAFETY	1	MONTHS	Health And Safety Inspection (1m) 5747	COMP	6/1/25 12:00 AM	6/25/25 01:17 PM	6/25/25 01:17 PM	Health And Safety Inspection (1m) 5747 -Dan Finnigan conducted the monthly H&S Inspection on June 25, 2025 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 (not functioning)
4573459			5747, Powassan WWTL	PM	Inspection	1	MONTHS	TPM Inspection/Maintenance (1m) 5747	COMP	6/1/25 12:00 AM	6/25/25 01:19 PM	6/25/25 01:19 PM	TPM Inspection/Maintenance (1m) 5747 -Completed by Dan Finnigan on June 25, 2025. 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.

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				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
4573468			5747, Powassan WWTL	PM	Inspection	1	MONTHS	Critical Alarm/Dialer Testing (1m) 5747	COMP	6/1/25 12:00 AM	6/25/25 01:28 PM	6/25/25 01:28 PM	Critical Alarm/Dialer Testing (1m) 5747 -Conducted by Dan Finnigan on June 25, 2025. 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.
4576732			5747, Powassan WWTL	OPER	Compliance	1	MONTHS	WISKI Review (1m) 5747	COMP	6/1/25 12:00 AM	6/27/25 11:16 AM	6/27/25 11:16 AM	WISKI Review (1m) 5747 -June 04, 2025--Entered RAW flow data for both Lift Stations, etc.  -Calculated release volumes, enter data and produce semi-annual release reports, etc.





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# **POWASSAN WATER & WASTEWATER SYSTEMS**

## **QUARTERLY OPERATIONS REPORT**

### **Appendix C - Call-out Report for WTP**



Workorder Summary Report

Report Start Date: Apr 1, 2025 12:00 AM  
Report End Date: Jun 30, 2025 11:59 PM  
Location: 6033\*  
Work Order Type: CALL,EMER  
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
4488952			6033, Powassan WTP, Process, Process Control & Monitoring	CALL	Compliance	0		Powassan NBY Group 2 Heartbeat Alarm (comms)	COMP		4/24/25 01:00 AM	4/24/25 07:30 AM	Powassan NBY Group 2 Heartbeat Alarm (comms) - 01:00--Received WIN911 notification for NBY Powassan Heartbeat alarm -logged onto AVEVA app to check status of WTP: all OK -Logged onto Wonderware remotely: minor 10 minute gap in trending detected but comms restored. Will check trending in AM to see if CV tag restored trending. -checked Wonderware: CV tag filled in gap in trending. No further action required.
4554837			6033, Powassan WTP, Process, Storage	CALL	Inspection	0		6033 Powassan Well House Reservoir Level Alarm	COMP		5/12/25 08:00 PM	5/12/25 10:00 PM	Powassan Well House Reservoir Level Alarm - Received WIN Low Reservoir Level Alarm. Reviewed HMI with Reservoir Level increase from 4.52 to 4.53 metres while Well Pump 1 in Auto. No further issues.
4609797	0000258554	PUMP DIAPHRAGM #2 CHEMICAL S-HYPO FEED PUMP	6033, Powassan WTP	CALL	Compliance	0		Powassan WS Aux #2 Alarm (Power Fail)	COMP		6/30/25 04:17 PM	6/30/25 04:50 PM	Powassan WS Aux #2 Alarm (Power Fail) - 16:17--Received Telus notification for Powassan Well House Auxiliary #2 alarm (power fail) 16:50--Logged onto Wonderware remotely to review trending and operations: residual is reading 1.55 mg/L and Well Pump #2 has just started up on the fill cycle. Local storm systems have passed and all equipment is running normally. No further action required at this time.



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# **POWASSAN WATER & WASTEWATER SYSTEMS**

## **QUARTERLY OPERATIONS REPORT**

### **Appendix D - Call-out Report for WWTL**

Workorder Summary Report

Report Start Date: Apr 1, 2025 12:00 AM  
Report End Date: Jun 30, 2025 11:59 PM  
Location: 5747\*  
Work Order Type: CALL,EMER  
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
4485435			5747, Clark SPS	CALL	Inspection	0		5747 Powassan Clark Street SPS High Level Alarm	CLOSE		4/3/25 05:30 PM	4/3/25 06:30 PM	Powassan Clark Street SPS High Level Alarm - Received WIN High Wet Well Level Alarm. Inspected Clark Street SPS Wet Well with Level approximately 8 feet below Overflow. No further issues.

Workorder Summary Report

Report Start Date: Apr 1, 2025 12:00 AM  
Report End Date: Jun 30, 2025 11:59 PM  
Location: 5747\*  
Work Order Type: CALL,EMER  
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
4489765			5747, Clark SPS	CALL	Compliance	0		Powassan Clark Street High Wet Well Level alarms	COMP		4/26/25 02:05 PM	4/26/25 08:35 PM	Powassan Clark Street High Wet Well Level alarms - 14:05--Received and acknowledged notification from Telus for multiple alarm codes (code 2, 3, 4, 5, 6, etc.). Site visit is required to determine issues. 15:40--Arrived at Clark Street Lift Station: both pumps are on and running normally (output is approximately 1600 Litres/min). Checked wet well: level is between 12-15 feet below the overflow, with no evidence of a by-pass. Telus Alarm panel shows a green board with a yellow warning, likely due to low battery. Will notify Telus on Monday. 16:35--Received and acknowledged notification from Telus for High Wet Well Level. 17:15--Logged onto Wonderware remotely to review trending and operations: Wet well level is currently at 7.75 meters and slightly rising. Will monitor remotely. Both pumps running normally. 17:41--Received notification from WIN911 for High Wet Well Level Alarm. 17:50--Logged onto Wonderware remotely to review trending and operations: Wet well level is currently at 8.17 meters and beginning to drop. Forecast calls for reduced rain. Will monitor remotely. 20:35--Logged onto Wonderware remotely to review trending and operations: Wet well level is currently at 3.96 meters and high wet well alarm has reset. No further action required at this time.

Workorder Summary Report

Report Start Date: Apr 1, 2025 12:00 AM  
Report End Date: Jun 30, 2025 11:59 PM  
Location: 5747\*  
Work Order Type: CALL,EMER  
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
4552045			5747, Clark SPS, Facility	CALL	Inspection	0		5747 Powassan Clark Street SPS Communication Loss Alarm	COMP		4/29/25 05:15 PM	4/29/25 06:00 PM	Powassan Clark Street SPS Communication Loss Alarm - Received WIN Communication Loss Alarm following area utility power outage. Station inspection with Generator in operation.
4607884			5747, Clark SPS	CALL	Compliance	0		Powassan Clark Street High Wet Well Level alarms	COMP		6/19/25 05:47 PM	6/20/25 08:30 AM	Powassan Clark Street High Wet Well Level alarms - 17:47--Received Telus notification of Clark Street High Wet Well Level Alarm 18:32--Received and acknowledged notification from WIN911 for High Wet Well Level 18:59--Received and acknowledged notification from WIN911 for High Wet Well Level 19:03--Logged onto Wonderware remotely to review trending and operations: Wet well level has reached blanking range but forecast calls for light rain in the near future. 21:00--Logged onto Wonderware remotely to review trending and operations: Wet well still in blanking range but forecast shows light rain ending shortly. Friday, June 20, 2025 Visually observed wet well and no overflow was reached. Check discharge ditch, etc.



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# **POWASSAN WATER & WASTEWATER SYSTEMS**

## **QUARTERLY OPERATIONS REPORT**

### **Appendix E - Performance Assessment Report Water**

**6033 POWASSAN DRINKING WATER SYSTEM 220000576**

	4 / 2025	5/ 2025	6/ 2025	<--Total-->	<--Avg-->	<--Max-->	<--Min-->
<b>Flows</b>							
Raw Flow: Monthly Total - RW1 - Raw Well 1 (m³)	6,823.76	7,851.61	8,071.24	22,746.61			
Raw Flow: Monthly Total - RW2 - Raw Well 2 (m³)	6,927.32	7,056.81	6,762.25	20,746.38			
Raw Flow: Monthly Avg - RW1 - Raw Well 1 (m³)	227.46	253.28	269.04		249.93		
Raw Flow: Monthly Avg - RW2 - Raw Well 2 (m³)	230.91	227.64	225.41		227.99		
Raw Flow: Monthly Max - RW1 - Raw Well 1 (m³)	277.67	451.13	363.54			451.130	
Raw Flow: Monthly Max - RW2 - Raw Well 2 (m³)	316.69	288.37	290.67			316.690	
Raw Flow: Monthly Total - RW - Raw Water - Total (m³)	13,751.08	14,908.42	14,833.49	43,492.99			
Raw Flow: Monthly Avg - RW - Raw Water - Total (m³)	458.37	480.92	494.45		477.91		
Raw Flow: Monthly Max - RW - Raw Water - Total (m³)	506.16	581.31	597.75			597.750	
<b>Turbidity</b>							
Raw: Max Turbidity - RW1 - Raw Well 1 (NTU)	0.090	0.070	0.080			0.090	
Raw: Max Turbidity - RW2 - Raw Well 2 (NTU)	0.090	0.080	0.080			0.090	
<b>Chemical Parameters</b>							
Treated: Max Nitrite - TW1 - TW1 (mg/L)	< 0.003				<	< 0.003	<
Treated: Max Nitrate - TW1 - TW1 (mg/L)	1.080					1.080	
Distribution: Max THM - DW - Distribution (µg/l)	1.200					1.200	
Distribution: Max HAA - DW - Distribution (µg/l)	< 5.300				<	< 5.300	<
<b>Chlorine Residuals</b>							
Treated: Min Free Cl2 Resid - TW - Treated Water (mg/L)	1.092	1.143	0.996				0.996
Treated: Max Free Cl2 Resid - TW - Treated Water (mg/L)	2.122	2.327	2.373			2.373	
Dist: Min Free Cl2 Resid - DW - Distribution (mg/L)	1.470	1.450	1.430				1.400
Dist: Max Free Cl2 Resid - DW - Distribution (mg/L)	1.860	1.890	1.820			1.890	
<b>Bacti Samples Collected</b>							
Raw Bacti: # of samples - RW1 - Raw Well 1	5	4	5	14			
Raw Bacti: # of samples - RW2 - Raw Well 2	5	4	5	14			
Treated Bacti: # of samples - TW1 - TW1	4	2	2	8			
Treated Bacti: # of samples - TW2 - TW2	1	2	3	6			
Dist Bacti: # of samples - DW - Distribution	15	12	15	42			
Dist HPC: # of samples - DW - Distribution	5	4	5	14			
Treated Bacti: # of TC exceedances - TW1 - TW1	0	0	0	0			
Treated Bacti: # of TC exceedances - TW2 - TW2	0	0	0	0			
Treated Bacti: # of EC exceedances - TW1 - TW1	0	0	0	0			
Treated Bacti: # of EC exceedances - TW2 - TW2	0	0	0	0			
Dist Bacti: # of TC exceedances - DW - Distribution	0	0	0	0			
Dist Bacti: # of EC exceedances - DW - Distribution	0	0	0	0			





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# **POWASSAN WATER & WASTEWATER SYSTEMS**

## **QUARTERLY OPERATIONS REPORT**

### **Appendix F - Performance Assessment Report Wastewater**

**5747 POWASSAN WASTEWATER TREATMENT LAGOON 110000613**

	4 / 2025	5/ 2025	6/ 2025	<~Total~>	<~Avg~>	<~Max~>
<b>Flows</b>						
Raw Flow: Total - Raw m³/d	23,728.30	18,724.50	17,614.90	60,067.70		
Raw Flow: Total - St Gregory m³/d	507.80	600.80	468.60	1,577.20		
Raw Flow: Total - Clark Street m³/d	23,220.50	18,123.70	17,146.30	58,490.50		
Raw Flow: Avg - Raw m³/d	790.94	604.02	587.16		660.08	
Raw Flow: Avg - St Gregory m³/d	16.93	19.38	15.62		17.33	
Raw Flow: Avg - Clark Street m³/d	774.02	584.64	571.54		642.75	
Raw Flow: Max - Raw m³/d	1,469.40	863.10	1,220.70			1,469.40
Raw Flow: Max - St Gregory m³/d	31.80	162.00	40.90			162.00
Raw Flow: Max - Clark Street m³/d	1,441.60	844.00	1,179.80			1,441.60
Raw Flow: Count - Raw m³/d	30.00	31.00	30.00	91.00		
Raw Flow: Count - St Gregory m³/d	30.00	31.00	30.00	91.00		
Raw Flow: Count - Clark Street m³/d	30.00	31.00	30.00	91.00		
<b>Carbonaceous Biochemical Oxygen Demand: CBOD</b>						
Eff: Avg cBOD5 - Eff North mg/L	0.00	12.00	17.00		13.00	17.00
Eff: Avg cBOD5 - Eff South mg/L	0.00	0.00	4.00		4.00	4.00
Eff: # of samples of cBOD5 - Eff North	0.00	4.00	1.00	5.00		
Eff: # of samples of cBOD5 - Eff South	0.00	0.00	5.00	5.00		
<b>Biochemical Oxygen Demand: BOD5</b>						
Raw: Avg BOD5 - Raw mg/L	176.00	325.00	229.00		243.33	325.00
Raw: # of samples of BOD5 - Raw	1.00	1.00	1.00	3.00		
<b>Total Suspended Solids: TSS</b>						
Raw: Avg TSS - Raw mg/L	202.00	212.00	127.00		180.33	212.00
Raw: # of samples of TSS - Raw	1.00	1.00	1.00	3.00		
Eff: Avg TSS - Eff North mg/L	0.00	22.25	64.00		30.60	64.00
Eff: Avg TSS - Eff South mg/L	0.00	0.00	14.80		14.80	14.80
Eff: # of samples of TSS - Eff North	0.00	4.00	1.00	5.00		
Eff: # of samples of TSS - Eff South	0.00	0.00	5.00	5.00		
Percent Removal: TSS - Eff North %	0.00	89.50	49.61			89.50
Percent Removal: TSS - Eff South %	0.00	0.00	88.35			88.35
<b>Total Phosphorus: TP</b>						
Raw: Avg TP - Raw mg/L	2.47	2.60	2.32		2.46	2.60
Raw: # of samples of TP - Raw	1.00	1.00	1.00	3.00		
Eff: Avg TP - Eff North mg/L	0.00	0.29	0.91		0.41	0.91
Eff: Avg TP - Eff South mg/L	0.00	0.00	0.80		0.80	0.80
Eff: # of samples of TP - Eff North	0.00	4.00	1.00	5.00		
Eff: # of samples of TP - Eff South	0.00	0.00	5.00	5.00		
Percent Removal: TP - Eff North %	0.00	89.04	60.78			89.04
Percent Removal: TP - Eff South %	0.00	0.00	65.60			65.60
<b>Nitrogen Series</b>						
Raw: Avg TKN - Raw mg/L	17.20	20.00	22.80		20.00	22.80
Raw: # of samples of TKN - Raw	1.00	1.00	1.00	3.00		
Eff: Avg TAN - Eff North mg/L	0.00	8.98	15.20		10.22	15.20
Eff: Avg TAN - Eff South mg/L	0.00	0.00	12.32		12.32	12.32
Eff: # of samples of TAN - Eff North	0.00	4.00	1.00	5.00		
Eff: # of samples of TAN - Eff South	0.00	0.00	5.00	5.00		
<b>Disinfection</b>						
Eff: GMD E. Coli MPN - Eff North MPN	0.00	1.00	1.00			
Eff: GMD E. Coli MPN - Eff South MPN	0.00	0.00	10.06			
Eff: # of samples of E. Coli MPN - Eff North	0.00	4.00	1.00	5.00		
Eff: # of samples of E. Coli MPN - Eff South	0.00	0.00	5.00	5.00		