

SYSTEM OVERVIEW

April 1st to June 30th , 2024

OPERATIONAL HIGHLIGHTS

Drinking Water System

- The water treatment system operated well during the second quarter.
- Category One watermain break at Main St. and Valley View Dr. W. An old saddle joining asbestos cement (AC) pipe to polyvinyl chloride (PVC) blew out and was repaired.
- New live tap service connection installed at 128 Memorial West.
- Distribution flushing complete.

Wastewater Treatment

- The wastewater treatment system performed well during the second quarter.
- North cell lagoon treated with 3410 imperial gallons (IMPG) of ferric sulphate on April 11, 2024
- South cell lagoon treated with 3410 IMPG of ferric sulphate on April 11, 2024.
- Spring discharge completed from April 23 to May 24. Effluent samples below limits stated in Environmental Compliance Approval (ECA).

CAPITAL PLAN PROGRESS

Drinking Water System

- N/A

Wastewater Treatment

- 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.

ASSET MANAGEMENT

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

See Appendix C – Call-out Report for WTP
 See Appendix D – Call-out Report for WWTL

REGULATORY

- All drinking water samples required under O. Regulation 170/03 were collected and tested in the second quarter of 2024 and all results fell within regulatory limits.
- Winter term pH and alkalinity sampling completed April 15, 2024.
- Quarterly trihalomethanes (THM), haloacetic acids (HAA), Nitrate and Nitrite sampling completed April 9, 2024.
- Reviewed the Capacity Study authored in December 2021 with Powassan’s staff and councilors.
- The Municipality of Powassan requested proposal for a Master Plan of water, wastewater and storm water to be prepared by OCWA Engineers.
- Off-site external S2 audit completed May 7, 2024, there was one opportunity for improvement (OFI) identified and resolved.
- 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 2024.

INCIDENTS AND COMPLAINTS

Powassan Drinking Water System

Incident	N/A
Date	
Details	

Powassan Wastewater System

Incident	N/A
Date	
Details	

HEALTH AND SAFETY

- Staff training completed on Hoisting and Rigging.
- Staff training completed on FEP Binder.
- Staff training completed on Seasonal Environmental Hazards (Summer).

POWASSAN DRINKING WATER SYSTEM PERFORMANCE

See Appendix E – Performance Assessment Report Water

POWASSAN WASTEWATER TREATMENT LAGOON – WASTEWATER FLOW SUMMARY

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, 2024 12:00 AM

Report End Date: Jun 30, 2024 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
3852276	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	CLOSE	4/1/24 12:00 AM	4/15/24 08:59 AM	4/15/24 08:59 AM	

Workorder Summary Report

Report Start Date: Apr 1, 2024 12:00 AM

Report End Date: Jun 30, 2024 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
3862181	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	4/1/24 12:00 AM	4/15/24 09:12 AM	4/15/24 09:12 AM	Reservoir Natural Gas Generator Inspection/Functional Test (1m) 6033 - April 09, 2024 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 = 1788 Oil Level = Full Coolant Temp=179 Deg.F Battery Voltage= 13.7V Oil Pressure 61 psi Fuel level = approximately 4.0 inches Hrs at start: 6978 hr 43 min Hrs at stop: 6980 hr 53 min Exhaust Temp = 600 Deg. F

Workorder Summary Report

Report Start Date: Apr 1, 2024 12:00 AM

Report End Date: Jun 30, 2024 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
													Reservoir Natural Gas Generator Inspection/Functional Test (1m) 6033 - *NOTE: previous work log entered my mistake April 09, 2024 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 without any issues on the third attempt. 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.
3869590	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	CLOSE	4/1/24 12:00 AM	4/15/24 09:28 AM	4/15/24 09:28 AM	Critical Alarm/Dialer Testing (1m) 6033 - Critical Alarm/Dialer Testing (1m) 6033 was completed by Dan Finnigan on April 09, 2024. 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. Telus Alarms called to advise they had received an alarm notification re the low chlorine alarm. 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.

Workorder Summary Report

Report Start Date: Apr 1, 2024 12:00 AM

Report End Date: Jun 30, 2024 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
3870064			6033, Powassan WTP	PM	Health and Safety	1	MONTHS	Health And Safety Inspection (1m) 6033	CLOSE	4/1/24 12:00 AM	4/15/24 08:56 AM	4/15/24 08:56 AM	Health And Safety Inspection (1m) 6033 - The monthly H&S Inspection was conducted on April 09, 2024 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)
3870211			6033, Powassan WTP, Process, Process Control & Monitoring	PM	Calibration	1	MONTHS	Analyzer Chlorine Inspection/ Service (1m) 6033	CLOSE	4/1/24 12:00 AM	4/15/24 09:30 AM	4/15/24 09:30 AM	Analyzer Chlorine Inspection/ Service (1m) 6033 - April 09, 2024 by Dan Finnigan. During the monthly low chlorine critical alarm / lockout test the analyzer housing was flushed and inspected for damage and wear, and the electrolyte solution level was checked and topped up. The probe was re-inserted into the housing and a single point verification was conducted with the following results: Online analyzer: 1.97 mg/L Free Cl2 Handheld analyzer: 1.54 mg/L Free Cl2 The online analyzer required adjustment. The new slope after calibration was 72% (within spec).

Workorder Summary Report

Report Start Date: Apr 1, 2024 12:00 AM

Report End Date: Jun 30, 2024 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
3871968			6033, Powassan WTP	PM	Inspection	1	MONTHS	TPM Inspection/Maintenance (1m) 6033	CLOSE	4/1/24 12:00 AM	4/15/24 08:57 AM	4/15/24 08:57 AM	TPM Inspection/Maintenance (1m) 6033 -April 09, 2024 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.
3871973	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	CLOSE	4/1/24 12:00 AM	4/15/24 09:15 AM	4/15/24 09:15 AM	Wellhouse Diesel Generator Inspection/Functional Test (1m) 6033 - April 09, 2024 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 = 1788 Oil Level = Full Coolant Temp=179 Deg.F Battery Voltage= 13.7V Oil Pressure 61 psi Fuel level = approximately 4.0 inches Hrs at start: 6978 hr 43 min Hrs at stop: 6980 hr 53 min Exhaust Temp = 600 Deg. F

Workorder Summary Report

Report Start Date: Apr 1, 2024 12:00 AM

Report End Date: Jun 30, 2024 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
3873886			6033, Powassan WTP	OPER	Compliance	1	MONTHS	WISKI Review (1m) 6033	CLOSE	4/1/24 12:00 AM	4/3/24 08:37 PM	4/3/24 08:37 PM	WISKI Review (1m) 6033 -WISKI Review (1m) for the month of March 2024 was completed on April 3, 2024 by Dan Finnigan. All values were checked and entered, lab data entries were reviewed, WISKI Graphs corrected, and this Work Order closed off.
3883664	0000258571	ANALYZER CHLORINE AIT-601 RESERVOIR	6033, Powassan WTP, Process, Storage, Elevated Reservoir	PM	Calibration	1	MONTHS	Analyzer Chlorine Inspection/ Service (1m) 6033	CLOSE	4/1/24 12:00 AM	4/15/24 09:21 AM	4/15/24 09:21 AM	Analyzer Chlorine Inspection/ Service (1m) 6033 - Analyzer Chlorine Inspection/ Service (1m) at the Reservoir was performed by Dan Finnigan on April 09, 2024. 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. The online analyzer did not need calibration. Online = 1.42 mg/L Tested = 1.41 mg/L
3902215			6033, Powassan WTP	CAP	Refurbish/ Replace/Repair	0		Live Tap at 128 Memorial Park Dr West	COMP		5/22/24 02:19 PM	5/22/24 02:19 PM	Live Tap at 128 Memorial Park Dr West - 2" Live Tap at 128 Memorial Park Dr West

Workorder Summary Report

Report Start Date: Apr 1, 2024 12:00 AM

Report End Date: Jun 30, 2024 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
3915283	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	5/1/24 12:00 AM	6/3/24 11:27 AM	6/3/24 11:27 AM	Reservoir Natural Gas Generator Inspection/Functional Test (1m) 6033 -May 30, 2024 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 without any issues on the third attempt. 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.
3922007	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	5/1/24 12:00 AM	6/3/24 11:16 AM	6/3/24 11:16 AM	Critical Alarm/Dialer Testing (1m) 6033 -Critical Alarm/Dialer Testing (1m) 6033 was completed by Dan Finnigan on May 28 2024. 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. Telus Alarms called to advise they had received an alarm notification re the low chlorine alarm. 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.

Workorder Summary Report

Report Start Date: Apr 1, 2024 12:00 AM

Report End Date: Jun 30, 2024 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
3922361			6033, Powassan WTP	PM	Health and Safety	1	MONTHS	Health And Safety Inspection (1m) 6033	COMP	5/1/24 12:00 AM	6/3/24 11:07 AM	6/3/24 11:07 AM	Health And Safety Inspection (1m) 6033 - The monthly H&S Inspection was conducted on May 28, 2024 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)
3922463			6033, Powassan WTP, Process, Process Control & Monitoring	PM	Calibration	1	MONTHS	Analyzer Chlorine Inspection/ Service (1m) 6033	COMP	5/1/24 12:00 AM	6/3/24 11:18 AM	6/3/24 11:18 AM	Analyzer Chlorine Inspection/ Service (1m) 6033 - May 28, 2024 by Dan Finnigan. During the monthly low chlorine critical alarm / lockout test the analyzer housing was flushed and inspected for damage and wear, and the electrolyte solution level was checked and topped up. The probe was re-inserted into the housing and a single point verification was conducted with the following results: Online analyzer: 2.51 mg/L Free Cl2 Handheld analyzer: 1.82 mg/L Free Cl2 The online analyzer was adjusted accordingly.

Workorder Summary Report

Report Start Date: Apr 1, 2024 12:00 AM

Report End Date: Jun 30, 2024 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
3923717			6033, Powassan WTP	PM	Inspection	1	MONTHS	TPM Inspection/Maintenance (1m) 6033	COMP	5/1/24 12:00 AM	6/3/24 11:09 AM	6/3/24 11:09 AM	TPM Inspection/Maintenance (1m) 6033 -May 28, 2024 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.
3923722	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	5/1/24 12:00 AM	6/3/24 11:12 AM	6/3/24 11:12 AM	Wellhouse Diesel Generator Inspection/Functional Test (1m) 6033 - May 28, 2024 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 = 1794 Oil Level = Full Coolant Temp=170 Deg.F Battery Voltage= 13.7V Oil Pressure 60 psi Fuel level = approximately 4.0 inches Hrs at start: 7116 hr 27 min Hrs at stop: 7117 hr 51 min Exhaust Temp = 530 Deg. F

Workorder Summary Report

Report Start Date: Apr 1, 2024 12:00 AM

Report End Date: Jun 30, 2024 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
3924894			6033, Powassan WTP	OPER	Compliance	1	MONTHS	WISKI Review (1m) 6033	COMP	5/1/24 12:00 AM	5/8/24 09:51 AM	5/8/24 09:51 AM	WISKI Review (1m) 6033 -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, WISKI Graphs corrected, and this Work Order closed off.
3933151	0000258571	ANALYZER CHLORINE AIT-601 RESERVOIR	6033, Powassan WTP, Process, Storage, Elevated Reservoir	PM	Calibration	1	MONTHS	Analyzer Chlorine Inspection/ Service (1m) 6033	COMP	5/1/24 12:00 AM	6/3/24 11:21 AM	6/3/24 11:21 AM	
3948361			6033, Powassan WTP	CAP	Refurbish/ Replace/Repair	0		Powassan Live Tap and Service Connection: 128 Memorial Street West	COMP		5/13/24 10:07 AM	5/13/24 10:07 AM	Powassan Live Tap and Service Connection: 128 Memorial Street West - Messaged by Trevor at 0736 to see when i was coming to Powassan. advised i was headed to Callander and would touch base to see how they were making out. prepped tapping tool. confirmed with manufacturer which bit to use on ac pipe. Trevor sent pics of offset joint. advised we needed to be 3' from joint. arrived onsite 0945. vac truck still cleaning main. disinfected main and saddle with 6% sodium hypochlorite. tapping saddle to small. not the right od range for ac pipe. od 7.43". public works found a 2 bolt saddle in the right range. tapped 2" service. public works installed 2" poly and curbstop. flushed and took residual. 0.71free. suggested replacing firehydrant as it was on the deficiency list and within dig area. clean tapping tool. TF May 8/24
3952444			Powassan Ground Water Well System	PM	Refurbish/ Replace/Repair	0		Powassan spring flush 2024	COMP		5/28/24 10:42 AM	6/7/24 01:58 PM	

Workorder Summary Report

Report Start Date: Apr 1, 2024 12:00 AM

Report End Date: Jun 30, 2024 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
3953578	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	6/1/24 12:00 AM	6/3/24 11:14 AM	6/3/24 11:14 AM	Critical Building Intrusion Alarm Testing (1m) 6033 -May 28, 2024. 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
3962813	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	6/1/24 12:00 AM	7/3/24 08:32 AM	7/3/24 08:32 AM	Reservoir Natural Gas Generator Inspection/Functional Test (1m) 6033 -June 28, 2024 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 without any issues. 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, 2024 12:00 AM

Report End Date: Jun 30, 2024 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
3970064	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	6/1/24 12:00 AM	7/3/24 08:28 AM	7/3/24 08:28 AM	Critical Alarm/Dialer Testing (1m) 6033 -June 28, 2024. 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 - Critical Alarm/Dialer Testing (1m) 6033 was completed by Dan Finnigan on June 24 2024. 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 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.

Workorder Summary Report

Report Start Date: Apr 1, 2024 12:00 AM

Report End Date: Jun 30, 2024 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
3970390			6033, Powassan WTP	PM	Health and Safety	1	MONTHS	Health And Safety Inspection (1m) 6033	COMP	6/1/24 12:00 AM	7/3/24 08:25 AM	7/3/24 08:25 AM	Health And Safety Inspection (1m) 6033 -The monthly H&S Inspection was conducted on June 24, 2024 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)
3970563			6033, Powassan WTP, Process, Process Control & Monitoring	PM	Calibration	1	MONTHS	Analyzer Chlorine Inspection/ Service (1m) 6033	COMP	6/1/24 12:00 AM	7/3/24 08:41 AM	7/3/24 08:41 AM	Analyzer Chlorine Inspection/ Service (1m) 6033 -June 24, 2024 by Dan Finnigan. During the monthly low chlorine critical alarm / lockout test the analyzer housing was flushed and inspected for damage and wear, and the electrolyte solution level was checked and topped up. The probe was re-inserted into the housing and a single point verification was conducted with the following results: Online analyzer: 2.16 mg/L Free Cl2 Handheld analyzer: 1.66 mg/L Free Cl2 The online analyzer was adjusted accordingly. The new slope after calibration was 74% (within spec).

Workorder Summary Report

Report Start Date: Apr 1, 2024 12:00 AM

Report End Date: Jun 30, 2024 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
3972068			6033, Powassan WTP	PM	Inspection	1	MONTHS	TPM Inspection/Maintenance (1m) 6033	COMP	6/1/24 12:00 AM	7/3/24 08:26 AM	7/3/24 08:26 AM	TPM Inspection/Maintenance (1m) 6033 -June 24, 2024 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.
3972082	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	6/1/24 12:00 AM	7/3/24 08:31 AM	7/3/24 08:31 AM	Wellhouse Diesel Generator Inspection/Functional Test (1m) 6033 - June 24, 2024 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 = 1785 Oil Level = Full Coolant Temp=172 Deg.F Battery Voltage= 13.7V Oil Pressure 57 psi Fuel level = approximately 3.5 inches Hrs at start: 7120 hr 36 min Hrs at stop: 7121 hr 30 min Exhaust Temp = 590 Deg. F

Workorder Summary Report

Report Start Date: Apr 1, 2024 12:00 AM

Report End Date: Jun 30, 2024 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
3973269			6033, Powassan WTP	OPER	Compliance	1	MONTHS	WISKI Review (1m) 6033	COMP	6/1/24 12:00 AM	6/13/24 11:43 AM	6/13/24 11:43 AM	WISKI Review (1m) 6033 -WISKI Review (1m) for the month of May 2024 was completed on June 11, 2024 by Dan Finnigan. Correction were made for chlorine residuals from testing, etc.. All values were checked and entered, lab data entries were reviewed, WISKI Graphs corrected, and this Work Order closed off.
3983094	0000258571	ANALYZER CHLORINE AIT-601 RESERVOIR	6033, Powassan WTP, Process, Storage, Elevated Reservoir	PM	Calibration	1	MONTHS	Analyzer Chlorine Inspection/ Service (1m) 6033	COMP	6/1/24 12:00 AM	7/3/24 08:35 AM	7/3/24 08:35 AM	Analyzer Chlorine Inspection/ Service (1m) 6033 -Analyzer Chlorine Inspection/ Service (1m) at the Reservoir was performed by Dan Finnigan on June 28, 2024. 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 = 1.21 mg/L Tested = 1.30 mg/L The new slope after calibration was 2.07 mA/ppm (within spec).



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, 2024 12:00 AM

Report End Date: Jun 30, 2024 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
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.

Workorder Summary Report

Report Start Date: Apr 1, 2024 12:00 AM

Report End Date: Jun 30, 2024 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
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

Workorder Summary Report

Report Start Date: Apr 1, 2024 12:00 AM

Report End Date: Jun 30, 2024 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
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	COMP		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

Workorder Summary Report

Report Start Date: Apr 1, 2024 12:00 AM

Report End Date: Jun 30, 2024 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
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	COMP	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	COMP	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.

Workorder Summary Report

Report Start Date: Apr 1, 2024 12:00 AM

Report End Date: Jun 30, 2024 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
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	COMP	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	COMP	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	COMP	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

Workorder Summary Report

Report Start Date: Apr 1, 2024 12:00 AM

Report End Date: Jun 30, 2024 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
3921960			5747, Powassan WWTL	PM	Inspection	1	MONTHS	TPM Inspection/Maintenance (1m) 5747	COMP	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	COMP	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	COMP	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.

Workorder Summary Report

Report Start Date: Apr 1, 2024 12:00 AM

Report End Date: Jun 30, 2024 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
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	COMP	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	COMP	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	COMP	6/1/24 12:00 AM	7/23/24 08:27 AM	7/23/24 08:27 AM	
3969983	0000126969	LAGOON CELL 03 POWASSAN	5747, Powassan WWTL, Process	PM	Inspection	1	MONTHS	Lagoon Cell 03 Powassan Inspection/Service (1m/6m/1y) 5747	COMP	6/1/24 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.
3970002			5747, Powassan WWTL	PM	Health and Safety	1	MONTHS	Health And Safety Inspection (1m) 5747	COMP	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

Workorder Summary Report

Report Start Date: Apr 1, 2024 12:00 AM

Report End Date: Jun 30, 2024 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
3970013			5747, Powassan WWTL	PM	Inspection	1	MONTHS	TPM Inspection/Maintenance (1m) 5747	COMP	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.
3970022			5747, Powassan WWTL	PM	Inspection	1	MONTHS	Critical Alarm/Dialer Testing (1m) 5747	COMP	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.
3997524			5747, Powassan WWTL, Process	CAP	Refurbish/ Replace/Repair	0		Powassan Lagoon Discharge Chamber Valve Repairs	COMP		6/13/24 10:34 AM	6/13/24 10:34 AM	



Ontario Clean Water Agency
Agence Ontarienne Des Eaux

Northeastern Ontario Region

POWASSAN WATER & WASTEWATER SYSTEMS

QUARTERLY OPERATIONS REPORT

Appendix C - Call-out Report for WTP

Workorder Summary Report

Report Start Date: Apr 1, 2024 12:00 AM

Report End Date: Jun 30, 2024 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
3901502			6033, Powassan WTP	CALL	Compliance	0		Powassan Aux 2 (Power Loss) Alarm et. al.	CLOSE		4/11/24 09:03 PM	4/11/24 10:45 PM	Powassan Aux 3 (Power Loss) Alarm et. al. - 21:03--Received an acknowledged notification from Telus alarms for auxiliary #2 alarm (power outage) 21:16--Logged onto wonder where remotely: no data available due to calm loss and power outage. A site visit will be required. 21:51--Received an acknowledged notification from Telus alarms for Wellhouse auxiliary #1 and auxiliary #3 (reservoir high/low level, and well pump failure) 22:30--Arrived at Wellhouse to find HMI logged off due to power loss. 22:33--Logged back in and acknowledged lockout of system due to low reservoir alarm. Well pump one immediately started an auto (reservoir level currently at 4.40 m). No further action required at this time.
3902848			6033, Powassan WTP	CALL	Inspection	0		6033 Powassan Well House Auxiliary 3 Well Pump Failure Alarm	COMP		4/19/24 08:00 PM	4/19/24 09:00 PM	Powassan Well House Auxiliary 3 Well Pump Failure Alarm - Received Auxiliary 3 Well Pump Failure Alarm. Inspected equipment with Well 1 in Alarm Fault 50 Control Power Alarm following erratic utility fluctuations. Reset Well Pump 1 with Automatic activation.
3950708			6033, Powassan WTP, Process	CALL	Inspection	0		6033 Powassan Well House Auxilliary 1 Low Reservoir Level Alarm	COMP		5/13/24 08:00 PM	5/13/24 11:00 PM	Powassan Well House Auxilliary 1 Low Reservoir Level Alarm - Received Auxiliary 1 Low Reservoir Level Alarm following Fire Department training exercise. Reviewed HMI with Reservoir Level @ 4.67 metres. No further issues.

Workorder Summary Report

Report Start Date: Apr 1, 2024 12:00 AM

Report End Date: Jun 30, 2024 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
3950709			6033, Powassan WTP, Process, Disinfection	CALL	Inspection	0		6033 Powassan Well House Low POE Chlorine Alarm	COMP		5/18/24 04:45 AM	5/18/24 11:00 AM	Powassan Well House Low POE Chlorine Alarm - Received POE Low Chlorine Alarm. Received Auxiliary 1 Low Reservoir Level Alarm. Reviewed HMI with Reservoir Level @ 4.22 metres. Trending reviews shows POE Chlorine drip to 0.92 mg/L following Well 2 activation. Back-flushed with Sodium Sulfite for dechlorination. Adjusted HMI Low Reservoir Level Alarm Setpoint to 3.75 metres with Low Low @ 3.7. Flushed Chlorine injection with no issues observed.
3951909			6033, Powassan WTP	CALL	Compliance	0		Powassan WS Aux 3 Alarm (Well Pump Failure)	COMP		5/23/24 04:46 PM	5/24/24 09:00 AM	Powassan WS Aux 3 Alarm (Well Pump Failure) - Thursday May 23, 2024 16:46-Received Telus Alarms notification for Auxiliary 3 alarm (well pump failure) 17:00-Logged onto AVEVA app to check trending and operations: Well pump #2 tripped out and Well Pump #1 has continued to fill the Reservoir. Will monitor remotely. 18:00-Logged onto AVEVA app to check trending and operations: Well Pump #1 is operating normally. No site visit is required tonight. Friday May 24, 2024 08:40-Arrived at Well House and Reviewed online data logger back to Thursday May 23, 2024 at 07:00 Hrs. 08:45--Reset Well Pump #2 (was in alarm for phase loss)



Ontario Clean Water Agency
Agence Ontarienne Des Eaux

Northeastern Ontario Region

POWASSAN WATER & WASTEWATER SYSTEMS

QUARTERLY OPERATIONS REPORT

Appendix D - Call-out Report for WWTL

Workorder Summary Report

Report Start Date: Apr 1, 2024 12:00 AM

Report End Date: Jun 30, 2024 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
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.
3901660			5747, Clark SPS	CALL	Compliance	0		Powassan Clark Street High Wet Well Level Alarm	COMP		4/12/24 07:06 PM	4/12/24 11:00 PM	

Workorder Summary Report

Report Start Date: Apr 1, 2024 12:00 AM

Report End Date: Jun 30, 2024 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
3901661			5747, Clark SPS	CALL	Compliance	0		Powassan Clark Street High Wet Well Level Alarm	COMP		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
3902847			5747, Clark SPS	CALL	Inspection	0		5747 Powassan Clark Street SPS Communication Lost Alarm	COMP		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.
3947662			5747, Clark SPS	CALL	Inspection	0		5747 Powassan Clark Street SPS Communication Loss Alarm	COMP		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.
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	COMP		6/23/24 02:26 AM	6/23/24 09:15 AM	

Workorder Summary Report

Report Start Date: Apr 1, 2024 12:00 AM

Report End Date: Jun 30, 2024 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
4001315			5747, Clark SPS	CALL	Inspection	0		5747 Powassan Clark Street SPS High Level Alarm	COMP		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	COMP		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

Northeastern Ontario Region

POWASSAN WATER & WASTEWATER SYSTEMS

QUARTERLY OPERATIONS REPORT

Appendix E - Performance Assessment Report Water

Performance Assessment Report

From 01/04/2024 to 30/06/2024

6033 POWASSAN DRINKING WATER SYSTEM 220000576

	4 / 2024	5 / 2024	6 / 2024	<--Total-->	<--Avg-->	<--Max-->	<--Min-->
Flows							
Raw Flow: Monthly Total - RW1 - Raw Well 1 (m³)	8,211.85	7,177.13	6,775.87	22,164.85			
Raw Flow: Monthly Total - RW2 - Raw Well 2 (m³)	6,748.79	5,816.80	6,564.07	19,129.66			
Raw Flow: Monthly Avg - RW1 - Raw Well 1 (m³)	273.73	231.52	225.86		243.70		
Raw Flow: Monthly Avg - RW2 - Raw Well 2 (m³)	224.96	187.64	218.80		210.47		
Raw Flow: Monthly Max - RW1 - Raw Well 1 (m³)	366.89	411.25	368.58			411.250	
Raw Flow: Monthly Max - RW2 - Raw Well 2 (m³)	306.76	252.01	296.04			306.760	
Raw Flow: Monthly Total - RW - Raw Water - Total (m³)	14,960.64	12,993.93	13,339.94	41,294.51			
Raw Flow: Monthly Avg - RW - Raw Water - Total (m³)	498.69	419.16	444.66		454.17		
Raw Flow: Monthly Max - RW - Raw Water - Total (m³)	631.38	558.19	640.85			640.850	
Turbidity							
Raw: Max Turbidity - RW1 - Raw Well 1 (NTU)	0.110	0.120	0.110			0.120	
Raw: Max Turbidity - RW2 - Raw Well 2 (NTU)	0.120	0.110	0.140			0.140	
Chemical Parameters							
Treated: Max Nitrite - TW2 - TW2 (mg/L)	< 0.003				<	< 0.003	<
Treated: Max Nitrate - TW2 - TW2 (mg/L)	1.080					1.080	
Distribution: Max THM - DW - Distribution (µg/l)	0.990					0.990	
Distribution: Max HAA - DW - Distribution (µg/l)	< 5.300				<	< 5.300	<
Chlorine Residuals							
Treated: Min Free Cl2 Resid - TW - Treated Water (mg/L)	1.174	0.887	1.052				0.887
Treated: Max Free Cl2 Resid - TW - Treated Water (mg/L)	2.292	2.572	2.154			2.572	
Dist: Min Free Cl2 Resid - DW - Distribution (mg/L)	1.490	1.570	1.510				1.300
Dist: Max Free Cl2 Resid - DW - Distribution (mg/L)	1.950	1.910	1.860			1.910	
Bacti Samples Collected							
Raw Bacti: # of samples - RW1 - Raw Well 1	5	4	4	13			
Raw Bacti: # of samples - RW2 - Raw Well 2	5	4	4	13			
Treated Bacti: # of samples - TW1 - TW1	3	3	2	8			
Treated Bacti: # of samples - TW2 - TW2	2	1	2	5			



Ontario Clean Water Agency
Agence Ontarienne Des Eaux

Northeastern Ontario Region

POWASSAN WATER & WASTEWATER SYSTEMS

QUARTERLY OPERATIONS REPORT

Appendix F - Performance Assessment Report Wastewater

Performance Assessment Report

From: 01/04/2024 to 30/06/2024

5747 POWASSAN WASTEWATER TREATMENT LAGOON 110000613

	4 / 2024	5/ 2024	6/ 2024	<--Total-->	<--Avg-->	<--Max-->
--	----------	---------	---------	-------------	-----------	-----------

Flows

Raw Flow: Total - Raw m³/d	23,622.50	15,760.80	14,627.42	54,010.72		
Raw Flow: Total - St Gregory m³/d	604.90	512.60	477.90	1,595.40		
Raw Flow: Total - Clark Street m³/d	23,017.60	15,248.20	14,149.52	52,415.32		
Raw Flow: Avg - Raw m³/d	787.42	508.41	487.58		593.52	
Raw Flow: Avg - St Gregory m³/d	20.16	16.54	15.93		17.53	
Raw Flow: Avg - Clark Street m³/d	767.25	491.88	471.65		575.99	
Raw Flow: Max - Raw m³/d	1,988.70	633.30	1,553.52			1,988.70
Raw Flow: Max - St Gregory m³/d	44.00	22.50	35.40			44.00
Raw Flow: Max - Clark Street m³/d	1,956.30	610.80	1,518.12			1,956.30
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		

Carbonaceous Biochemical Oxygen Demand: CBOD

Eff: Avg cBOD5 - Eff North mg/L	0.00	< 6.80	0.00		< 6.80	< 6.80
Eff: Avg cBOD5 - Eff South mg/L	< 7.00	6.67	0.00		< 6.80	< 7.00
Eff: # of samples of cBOD5 - Eff North	0.00	5.00	0.00	5.00		
Eff: # of samples of cBOD5 - Eff South	2.00	3.00	0.00	5.00		

Biochemical Oxygen Demand: BOD5

Raw: Avg BOD5 - Raw mg/L	475.00	143.00	146.00		254.67	475.00
Raw: # of samples of BOD5 - Raw	1.00	1.00	1.00	3.00		

Total Suspended Solids: TSS

Raw: Avg TSS - Raw mg/L	340.00	195.00	70.00		201.67	340.00
Raw: # of samples of TSS - Raw	1.00	1.00	1.00	3.00		
Eff: Avg TSS - Eff North mg/L	0.00	13.00	0.00		13.00	13.00
Eff: Avg TSS - Eff South mg/L	18.50	26.67	0.00		23.40	26.67
Eff: # of samples of TSS - Eff North	0.00	5.00	0.00	5.00		
Eff: # of samples of TSS - Eff South	2.00	3.00	0.00	5.00		

Performance Assessment Report

From: 01/04/2024 to 30/06/2024

Percent Removal: TSS - Eff North %

0.00	93.33	0.00		93.33
94.56	86.32	0.00		94.56

Percent Removal: TSS - Eff South %

Total Phosphorus: TP

Raw: Avg TP - Raw mg/L

4.68	2.32	1.21		2.74	4.68
------	------	------	--	------	------

Raw: # of samples of TP - Raw

1.00	1.00	1.00	3.00		
------	------	------	------	--	--

Eff: Avg TP - Eff North mg/L

0.00	0.31	0.00		0.31	0.31
------	------	------	--	------	------

Eff: Avg TP - Eff South mg/L

0.07	0.16	0.00		0.12	0.16
------	------	------	--	------	------

Eff: # of samples of TP - Eff North

0.00	5.00	0.00	5.00		
------	------	------	------	--	--

Eff: # of samples of TP - Eff South

2.00	3.00	0.00	5.00		
------	------	------	------	--	--

Percent Removal: TP - Eff North %

0.00	86.64	0.00			86.64
------	-------	------	--	--	-------

Percent Removal: TP - Eff South %

98.50	93.10	0.00			98.50
-------	-------	------	--	--	-------

Nitrogen Series

Raw: Avg TKN - Raw mg/L

37.00	23.80	10.40		23.73	37.00
-------	-------	-------	--	-------	-------

Raw: # of samples of TKN - Raw

1.00	1.00	1.00	3.00		
------	------	------	------	--	--

Eff: Avg TAN - Eff North mg/L

0.00	15.24	0.00		15.24	15.24
------	-------	------	--	-------	-------

Eff: Avg TAN - Eff South mg/L

9.80	9.60	0.00		9.68	9.80
------	------	------	--	------	------

Eff: # of samples of TAN - Eff North

0.00	5.00	0.00	5.00		
------	------	------	------	--	--

Eff: # of samples of TAN - Eff South

2.00	3.00	0.00	5.00		
------	------	------	------	--	--

Disinfection

Eff: GMD E. Coli - Eff North cfu/100mL

0.00	2.00	0.00			
------	------	------	--	--	--

Eff: GMD E. Coli - Eff South cfu/100mL

2.00	2.00	0.00			
------	------	------	--	--	--

Eff: # of samples of E. Coli - Eff North

0.00	5.00	0.00	5.00		
------	------	------	------	--	--

Eff: # of samples of E. Coli - Eff South

2.00	3.00	0.00	5.00		
------	------	------	------	--	--