

SYSTEM OVERVIEW

October 1st to December 31st, 2025

OPERATIONAL HIGHLIGHTS

Drinking Water System

- The water treatment system operated well during the fourth quarter.
- Distribution flushing completed.

Wastewater Treatment

- The wastewater treatment system performed well during the fourth quarter.
- Fall discharge complete, discharge began October 20 and ended November 25.
- Clark St. SPS hydrovac cleaning.

CAPITAL PLAN PROGRESS

Drinking Water System

- 2025 Capital forecast completed
- *Generator throttle body repaired and returned to service.*
- *Repair hydrant on 47 at 461 Valley View West.*
- *Ordered replacement chlorine analyzer probe.*
- *Reservoir building heater failed and was replaced.*
- *Issues with the chlorine feed system caused several low and high chlorine and reservoir levels with associated alarm responses in December into January. Several check valves and feed system components were replaced. Perplexing and lengthy troubleshooting steps identified dosing pumps with mechanical and internal programming issues, PLC and HMI issues, compounded by electrical wiring defects and dosing pump factory presets which caused erratic operations.*
- *Assisted with a watermain break on King St. at Joseph St.*

Wastewater Treatment Lagoon

- 2025 Capital forecast completed

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 Reports for WWTL

REGULATORY

- All drinking water samples required under O. Regulation 170/03 were collected and tested in the fourth quarter of 2025 and all results fell within regulatory limits.
- Quarterly trihalomethanes (THM), haloacetic acids (HAA), Nitrate and Nitrite sampling completed October 20, 2025.
- Annual Capital and Major Maintenance Recommendations Report completed and submitted.
- Annual Hach instrument calibrations completed on November 4, 2025.
- THM running annual average below limit of 100 ug/L with a result of 3.00 ug/L in the past four quarters.
- HAA running annual average below the proposed limit of 80 ug/L (came into effect January 1, 2020) with a result of <5.3 ug/L.
- No Ministry of the Environment, Conservation and Parks (MECP) or Ministry of Labour (MOL) inspections conducted this quarter.
- DWQMS Management Review completed December 3, 2025.
- All required sewage samples required under the system’s Environmental Compliance Approval (ECA) were collected and tested in the fourth quarter of 2025.
- Lagoon fall discharge completed. All results were well below ECA limits and objectives.

INCIDENTS AND COMPLAINTS

Powassan Drinking Water System

Incident	Non Compliance
Date	December 31, 2024
Details	<p>Failure to monitor POE chlorine residuals while the facility was producing water to the distribution system.</p> <p>07:04—Received High Chlorine alarm 07:30—Logged onto the Wonderware to review trending. POE Residual spiked and "blanked out" on the analyzer (greater than 5.1 mg/L reading) but now coming down. A site visit will be required to check if the online analyzer SD card stored values or if this will be a non-compliance.</p>

	<p>08:30—Logged onto Wonderware remotely: Well Pumps have shut off and residual is stable at 2.69 mg/L</p> <p>11:00—Received Community Compliant via Powassan for 82 King St. re: high chlorine smell</p> <p>11:02—Arrived at the well house: immediately noticed the hypo day tank was nearly empty. Surmised that the hypo pump had over pumped hypo into the system whether the Well Pumps were running or not leading to over-chlorination in the Contact Chamber which was pushed into the distribution on the last pumping cycle.</p> <p>11:06—Shut off Well Pumps in HAND (hypo pump stopped immediately)</p> <p>11:40—Backflushed Distribution and Contact Chamber from 11:40 to 13:15</p> <p>13:50—Sampled residual at 82 King Street: 3.0 mg/L,</p> <p>14:15--Sampled residual at 601 Main Street: 1.67 mg/L</p> <p>14:22--Sampled residual at 489 Main Street: 2.09 mg/L.</p> <p>Resolution</p> <p>December 31, 2025: Backflushed distribution and Contact Chamber until highly chlorinated water was removed. Collected distribution samples to confirm normal residuals in distribution system. Investigated wiring and re-wired hypo pump (found a loose wire and a possible short in wiring).</p> <p>January 01, 2026: monitored system remotely with no issues (approximately 5 filling cycles)</p> <p>January 02, 2026: Called in STROMA to program a High Chlorine Lockout. Multiple attempts to program were unsuccessful due to the age of the PLC and the firmware version. However, the hypo pumps were re-wired off the Well Pump contactors to only receive a signal when the Well Pumps started. A new appointment was scheduled for Monday January 05th to update the PLC.</p> <p>January 05, 2026: STROMA updated the PLC and programmed a High Chlorine Lockout</p>
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Powassan Wastewater System

Incident	N/A
Date	
Details	

HEALTH AND SAFETY

- Staff training completed on ADHD Awareness
- Staff training completed on Contingency Plan Cluster Training: Review topics Critical Injury and Unsafe Water
- Staff training completed on Winter walking hazards.
- Staff training completed on Hazardous Energy and De-energization

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



Appendix A - Work Order Summary for WTP

Workorder Summary Report

Report Start Date: Oct 1, 2025 12:00 AM

Report End Date: Dec 31, 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
4765472	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	10/1/25 12:00 AM	10/30/25 05:19 PM	10/30/25 05:19 PM	Critical Building Intrusion Alarm Testing (1m) 6033 - October 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
4774666	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	10/1/25 12:00 AM	10/2/25 09:26 AM	10/2/25 09:26 AM	Reservoir Natural Gas Generator Inspection/Functional Test (1m) 6033 -Met with Gary from Val's on October 01, 2025 to diagnose and troubleshoot rough running and difficulty in transferring power. Once adjustments were made, we test ran the generator several times and observed good power transfers from the generator.

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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
4780625	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	10/1/25 12:00 AM	10/30/25 05:29 PM	10/30/25 05:29 PM	Critical Alarm/Dialer Testing (1m) 6033 -Critical Alarm/Dialer Testing (1m) 6033 was completed by Dan Finnigan on October 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.
4781032			6033, Powassan WTP	PM	HEALTH AND SAFETY	1	MONTHS	Health And Safety Inspection (1m) 6033	COMP	10/1/25 12:00 AM	10/30/25 05:21 PM	10/30/25 05:21 PM	Health And Safety Inspection (1m) 6033 -The monthly H&S Inspection was conducted on October 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)

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4781110			6033, Powassan WTP	PM	HEALTH AND SAFETY	1	YEARS	Fire Protection System Inspection (1y) 6033	COMP	10/1/25 12:00 AM	11/28/25 09:02 AM	11/28/25 09:02 AM	Fire Protection System Inspection (1y) 6033 -Picked up Fire Extinguisher from Well House and delivered to Callander for annual Inspection by the technician from Evergard.
4781181			6033, Powassan WTP, Process, Process Control & Monitoring	PM	Calibration	1	MONTHS	Analyzer Chlorine Inspection/ Service (1m) 6033	COMP	10/1/25 12:00 AM	10/30/25 05:31 PM	10/30/25 05:31 PM	Analyzer Chlorine Inspection/ Service (1m) 6033 -Analyzer Chlorine Inspection/ Service (1m) at the well house was performed by Dan Finnigan on October 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: 2.40 mg/L Free Cl2 Handheld analyzer: 2.05 mg/L Free Cl2 The online analyzer was adjusted accordingly. The new slope after calibration was 87% (within spec).
4782726			6033, Powassan WTP	PM	Inspection	1	MONTHS	TPM Inspection/Maintenance (1m) 6033	COMP	10/1/25 12:00 AM	10/30/25 05:23 PM	10/30/25 05:23 PM	TPM Inspection/Maintenance (1m) 6033 -October 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.

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4782731	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	10/1/25 12:00 AM	10/30/25 05:27 PM	10/30/25 05:27 PM	Wellhouse Diesel Generator Inspection/Functional Test (1m) 6033 -October 28, 2025 by Dan Finnigan. All fluid levels were checked, belts inspected, battery charging system, etc. *NOTE: approximately 1.0 litre of oil was removed from the generator due to overfilling. 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 = 1800 Oil Level = Full (overfilled) Coolant Temp=172 Deg.F Battery Voltage= 13.7V Oil Pressure 64 psi Fuel level = approximately 6.0 inches Hrs at start: 9280 hr 53 min Hrs at stop: 9282 hr 33 min Exhaust Temp = 550 Deg. F

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4784453			6033, Powassan WTP	OPER	Compliance	1	MONTHS	WISKI Review (1m) 6033	CLOSE	10/1/25 12:00 AM	10/7/25 12:13 PM	10/7/25 12:13 PM	WISKI Review (1m) 6033 -WISKI Review (1m) for the month of September 2025 was completed on October 7, 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.
4794330	0000258571	ANALYZER CHLORINE AIT-601 RESERVOIR	6033, Powassan WTP, Process, Storage, Elevated Reservoir	PM	Calibration	1	MONTHS	Analyzer Chlorine Inspection/ Service (1m) 6033	COMP	10/1/25 12:00 AM	10/30/25 05:33 PM	10/30/25 05:33 PM	Analyzer Chlorine Inspection/ Service (1m) 6033 - ***The reservoir chlorine analyzer is currently Out of Service. OCWA is still waiting on approval from the municipality to replace the faulty Cl2 sensor.

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4813620			6033, Powassan WTP, Process, Storage, Elevated Reservoir	CORR	Refurbish/ Replace/Repair	0		Powassan Reservoir Generator & Wall Mounted Electric Heater Replacement	COMP		11/21/25 02:48 PM	11/21/25 02:48 PM	Powassan Reservoir Generator & Wall Mounted Electric Heater Troubleshooting - Oct 01, 2025--Met with Gary from Val's. Checked output voltage of generator and adjusted throttle, checked transfer switch, etc. Generator now runs well and transfers easily. Removed wall mounted electric heater and will procure a replacement. Replaced Failed Heater -2000W 240V Wall Heater & Thermostat Installed
4814674	0000258541	METER FLOW FIT104 POWASSAN GROUND WATER WELL 2	6033, Powassan WTP, Process, Lowlift, Well System	PM	Calibration	1	YEARS	Meter Flow FIT-104 Powassan Ground Calibration (1y) 6033	COMP	10/15/25 12:00 AM	12/23/25 01:59 PM	12/23/25 01:59 PM	completed -Passed by Darren Aljoe, August 13, 2025
4814677	0000258542	METER FLOW FIT103 WELL 1 POWASSAN GROUND WATER WELL	6033, Powassan WTP, Process, Lowlift, Well System	PM	Calibration	1	YEARS	Meter Flow FIT-103 Well 1 Powassan Grd Calibration (1y) 6033	COMP	10/15/25 12:00 AM	12/23/25 02:00 PM	12/23/25 02:00 PM	Completed -Passed by Darren Aljoe, August 13, 2025
4814680	0000258570	METER FLOW RESERVOIR	6033, Powassan WTP, Process, Storage, Elevated Reservoir	PM	Calibration	1	YEARS	Meter Flow Reservoir Calibration (1y) 6033	COMP	10/15/25 12:00 AM	12/23/25 02:00 PM	12/23/25 02:00 PM	Completed -Passed by Darren Aljoe, August 13, 2025
4815455	0000258554	PUMP DIAPHRAGM #2 CHEMICAL S-HYPO FEED PUMP	6033, Powassan WTP	OPER	Refurbish/ Replace/Repair	0		Flush dw hydrants fall 2025 powassan 6033	CLOSE		10/6/25 12:49 PM	10/6/25 12:49 PM	

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4820362	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	11/1/25 12:00 AM	11/24/25 10:43 AM	11/24/25 10:43 AM	<p>Critical Building Intrusion Alarm Testing (1m) 6033</p> <p>-</p> <p>November 21, 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</p>
4828656	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	11/1/25 12:00 AM	11/24/25 10:49 AM	11/24/25 10:49 AM	<p>Reservoir Natural Gas Generator Inspection/Functional Test (1m) 6033</p> <p>-November 21, 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 third 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</p>

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4834065	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	11/1/25 12:00 AM	11/24/25 10:40 AM	11/24/25 10:40 AM	Critical Alarm/Dialer Testing (1m) 6033 -Critical Alarm/Dialer Testing (1m) 6033 was completed by Dan Finnigan on November 21, 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.
4834328	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	11/1/25 12:00 AM	11/24/25 10:37 AM	11/24/25 10:37 AM	Health And Safety Inspection (1m) 6033 -The monthly H&S Inspection was conducted on November 21, 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)

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4834431			6033, Powassan WTP, Process, Process Control & Monitoring	PM	Calibration	1	MONTHS	Analyzer Chlorine Inspection/Service (1m) 6033	COMP	11/1/25 12:00 AM	11/24/25 10:39 AM	11/24/25 10:39 AM	Analyzer Chlorine Inspection/Service (1m) 6033 - Analyzer Chlorine Inspection/Service (1m) at the well house was performed by Dan Finnigan on November 21, 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: 1.94 mg/L Free Cl2 Handheld analyzer: 1.55 mg/L Free Cl2 The online analyzer was adjusted accordingly
4835518	0000258554	PUMP DIAPHRAGM #2 CHEMICAL S-HYPO FEED PUMP	6033, Powassan WTP	PM	Inspection	1	MONTHS	TPM Inspection/Maintenance (1m) 6033	COMP	11/1/25 12:00 AM	11/24/25 10:42 AM	11/24/25 10:42 AM	TPM Inspection/Maintenance (1m) 6033 -November 21, 2025 Reviewed trending to ensure both submersible well pumps are operating within normal parameters. Started exhaust fan and observed motorized louvers operating properly. *Note: Backup hypo pump is in Callander for refurbishment and/or repair (change valves, diaphragm, etc.)

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4835523	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	11/1/25 12:00 AM	11/24/25 10:46 AM	11/24/25 10:46 AM	Wellhouse Diesel Generator Inspection/Functional Test (1m) 6033 -November 21, 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 = 1770 Oil Level = Full (overfilled by approximately 1.0 litres) Coolant Temp=179 Deg.F Battery Voltage= 13.7V Oil Pressure 61 psi Fuel level = approximately 6.0 inches Hrs at start: 9491 hr 24 min Hrs at stop: 9493 hr 14 min Exhaust Temp = 610 Deg. F
4836431	0000258554	PUMP DIAPHRAGM #2 CHEMICAL S-HYPO FEED PUMP	6033, Powassan WTP	OPER	Compliance	1	MONTHS	WISKI Review (1m) 6033	COMP	11/1/25 12:00 AM	12/18/25 11:51 AM	12/18/25 11:51 AM	WISKI Review (1m) 6033 -WISKI Review (1m) for the month of October 2025 was completed on December 17, 2025 by Dan Finnigan. Correction were made for chlorine residuals from testing and low chlorine occurrences, etc. All values were checked and entered, lab data entries were reviewed, WISKI Graphs corrected, and this Work Order closed off.
4843865	0000258571	ANALYZER CHLORINE AIT-601 RESERVOIR	6033, Powassan WTP, Process, Storage, Elevated Reservoir	PM	Calibration	1	MONTHS	Analyzer Chlorine Inspection/ Service (1m) 6033	COMP	11/1/25 12:00 AM	11/24/25 10:48 AM	11/24/25 10:48 AM	Analyzer Chlorine Inspection/ Service (1m) 6033 -A new probe has been ordered and will be installed when it arrives

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4862822			6033, Powassan WTP, Process, Disinfection, Chlorination	CAP	Refurbish/ Replace/Repair	0		Powassan Chlorine Analyzer Probe for Reservoir	COMP		12/1/25 01:46 PM	12/1/25 01:46 PM	Chlorine Analyzer Probe - Purchase a CHLORINE SENSOR CLE 3.1-mA - 5ppm To replace cl2 probe at the reservoir. Moved to Wellhouse -Will use new probe at wellhouse and relocate wellhouse probe to the reservoir.
4865515	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	12/1/25 12:00 AM	12/10/25 02:08 PM	12/10/25 02:08 PM	Critical Building Intrusion Alarm Testing (1m) 6033 -December 09, 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
4873825	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	12/1/25 12:00 AM	12/10/25 02:33 PM	12/10/25 02:33 PM	Reservoir Natural Gas Generator Inspection/Functional Test (1m) 6033 -December 09, 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 third 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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				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
4879770	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	12/1/25 12:00 AM	12/10/25 02:53 PM	12/10/25 02:53 PM	Critical Alarm/Dialer Testing (1m) 6033 -Critical Alarm/Dialer Testing (1m) 6033 was completed by Dan Finnigan on December 09, 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. A brand new Cl2 probe was placed in new flow thru sample cells 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.
4879987	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	12/1/25 12:00 AM	12/10/25 02:06 PM	12/10/25 02:06 PM	Health And Safety Inspection (1m) 6033 -The monthly H&S Inspection was conducted on December 09, 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)

Workorder Summary Report

 Report Start Date: Oct 1, 2025 12:00 AM
 Report End Date: Dec 31, 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
4880089			6033, Powassan WTP, Process, Process Control & Monitoring	PM	Calibration	1	MONTHS	Analyzer Chlorine Inspection/ Service (1m) 6033	COMP	12/1/25 12:00 AM	12/10/25 02:12 PM	12/10/25 02:12 PM	Analyzer Chlorine Inspection/ Service (1m) 6033 -Analyzer Chlorine Inspection/ Service (1m) at the well house was performed by Dan Finnigan on December 09, 2025 following the low chlorine alarm test and new probe installation / maintenance. The chlorine analyzer was compared to the hand-held analyzer before the well pumps were allowed to restart. Online analyzer: 1.89 mg/L Free Cl2 Handheld analyzer: 1.95 mg/L Free Cl2 The online analyzer was adjusted accordingly. The new slope after calibration was 133% (within spec).
4881197	0000258554	PUMP DIAPHRAGM #2 CHEMICAL S-HYPO FEED PUMP	6033, Powassan WTP	PM	Inspection	1	MONTHS	TPM Inspection/Maintenance (1m) 6033	COMP	12/1/25 12:00 AM	12/10/25 02:15 PM	12/10/25 02:15 PM	TPM Inspection/Maintenance (1m) 6033 -December 09, 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.

Workorder Summary Report

 Report Start Date: Oct 1, 2025 12:00 AM
 Report End Date: Dec 31, 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
4881202	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	12/1/25 12:00 AM	12/10/25 02:19 PM	12/10/25 02:19 PM	Wellhouse Diesel Generator Inspection/Functional Test (1m) 6033 -December 09, 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 = 1803 Oil Level = Full Coolant Temp=181 Deg.F Battery Voltage= 13.6 V Oil Pressure 63 psi Fuel level = approximately 5.75 inches Hrs at start: 9516 hr 23 min Hrs at stop: 9518 hr 17 min Exhaust Temp = 525 Deg. F
4882063	0000258554	PUMP DIAPHRAGM #2 CHEMICAL S-HYPO FEED PUMP	6033, Powassan WTP	OPER	Compliance	1	MONTHS	WISKI Review (1m) 6033	COMP	12/1/25 12:00 AM	1/15/26 04:34 PM	1/15/26 04:34 PM	WISKI Review (1m) 6033 -WISKI Review (1m) for the month of November 2025 was completed on January 15, 2026 by Dan Finnigan. Correction were made for chlorine residuals from testing as well and high and low chlorine occurrences, etc. All values were checked and entered, lab data entries were reviewed, WISKI Graphs corrected, and this Work Order closed off.

Workorder Summary Report

 Report Start Date: Oct 1, 2025 12:00 AM
 Report End Date: Dec 31, 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
4889082	0000258571	ANALYZER CHLORINE AIT-601 RESERVOIR	6033, Powassan WTP, Process, Storage, Elevated Reservoir	PM	Calibration	1	MONTHS	Analyzer Chlorine Inspection/ Service (1m) 6033	COMP	12/1/25 12:00 AM	12/10/25 02:37 PM	12/10/25 02:37 PM	<p>Analyzer Chlorine Inspection/ Service (1m) 6033 -December 09, 2025 Installation of used chlorine analyzer probe from the well house cl2 analyzer. New membrane cap and fresh electrolyte added.</p> <p>A single point calibration was conducted after placing the analyzer probe online. The new slope after calibration was 1.59 mA/ppm (within spec). Online = 1.22 mg/L Tested = 1.44 mg/L</p>
4911634	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	1/1/26 12:00 AM	1/14/26 04:00 PM	1/14/26 04:00 PM	<p>Critical Building Intrusion Alarm Testing (1m) 6033 -</p> <p>January 13, 2026 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</p>

Workorder Summary Report

 Report Start Date: Oct 1, 2025 12:00 AM
 Report End Date: Dec 31, 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
4922339	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	1/1/26 12:00 AM	1/14/26 04:05 PM	1/14/26 04:05 PM	Reservoir Natural Gas Generator Inspection/Functional Test (1m) 6033 - January 13, 2026 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 Reservoir back up generator started and transferred power from normal Hydro to back up system. Power transfer successful on the second crank attempt. (generator was in alarm on "Overcrank" and needed to be reset for the first time and on "RPM sensor loss" and needed to be reset before starting the second time. 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: Oct 1, 2025 12:00 AM
 Report End Date: Dec 31, 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
4929720	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	1/1/26 12:00 AM	1/14/26 04:08 PM	1/14/26 04:08 PM	-Critical Alarm/Dialer Testing (1m) 6033 was completed by Dan Finnigan on January 13, 2026. 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 probe 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.
4930587	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	1/1/26 12:00 AM	1/14/26 03:57 PM	1/14/26 03:57 PM	Health And Safety Inspection (1m) 6033 -The monthly H&S Inspection was conducted on January 13, 2026 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)

Workorder Summary Report

 Report Start Date: Oct 1, 2025 12:00 AM
 Report End Date: Dec 31, 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
4930815			6033, Powassan WTP, Process, Process Control & Monitoring	PM	Calibration	1	MONTHS	Analyzer Chlorine Inspection/ Service (1m) 6033	COMP	1/1/26 12:00 AM	1/14/26 04:10 PM	1/14/26 04:10 PM	Analyzer Chlorine Inspection/ Service (1m) 6033 -Analyzer Chlorine Inspection/ Service (1m) at the well house was performed by Dan Finnigan on January 13, 2026 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: 1.56 mg/L Free Cl2 Handheld analyzer: 1.83 mg/L Free Cl2 The online analyzer was adjusted accordingly. The new slope after calibration was 116% (within spec).
4932621	0000258554	PUMP DIAPHRAGM #2 CHEMICAL S-HYPO FEED PUMP	6033, Powassan WTP	PM	Inspection	1	MONTHS	TPM Inspection/Maintenance (1m) 6033	COMP	1/1/26 12:00 AM	1/14/26 03:59 PM	1/14/26 03:59 PM	TPM Inspection/Maintenance (1m) 6033 - January 13, 2026 Reviewed trending to ensure both submersible well pumps are operating within normal parameters. Started exhaust fan and observed motorized louvers operating properly. *Note: Backup hypo pump is back in Powassan. Verified chlorine pump on hand, as well as duty chlorine pump operating satisfactorily.

Workorder Summary Report

 Report Start Date: Oct 1, 2025 12:00 AM
 Report End Date: Dec 31, 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
4932626	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	1/1/26 12:00 AM	1/14/26 03:56 PM	1/14/26 03:56 PM	Wellhouse Diesel Generator Inspection/Functional Test (1m) 6033 -January 13, 2026 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 = 1782 Oil Level = Full Coolant Temp=177 Deg.F Battery Voltage= 13.7 V Oil Pressure 65 psi Fuel level = approximately 5.0 inches Hrs at start: 9656 hr 32 min Hrs at stop: 9658 hr 44 min Exhaust Temp = 590 Deg. F
4933737	0000258554	PUMP DIAPHRAGM #2 CHEMICAL S-HYPO FEED PUMP	6033, Powassan WTP	OPER	Compliance	1	MONTHS	WISKI Review (1m) 6033	COMP	1/1/26 12:00 AM	1/15/26 04:36 PM	1/15/26 04:36 PM	WISKI Review (1m) 6033 -WISKI Review (1m) for the month of December 2025 was completed on January 15, 2026 by Dan Finnigan. Correction were made for chlorine residuals from testing as well and high and low chlorine occurrences, etc. All values were checked and entered, lab data entries were reviewed, WISKI Graphs corrected, and this Work Order closed off.

Workorder Summary Report

 Report Start Date: Oct 1, 2025 12:00 AM
 Report End Date: Dec 31, 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
4943332	0000258571	ANALYZER CHLORINE AIT-601 RESERVOIR	6033, Powassan WTP, Process, Storage, Elevated Reservoir	PM	Calibration	1	MONTHS	Analyzer Chlorine Inspection/ Service (1m) 6033	COMP	1/1/26 12:00 AM	1/2/26 01:45 PM	1/2/26 01:45 PM	Analyzer Chlorine Inspection/ Service (1m) 6033 - Analyzer Chlorine Inspection/ Service (1m) at the Reservoir was performed by Dan Finnigan on January 2, 2026. 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 = 1.83 mg/L Tested = 1.86 mg/L The online analyzer was within 0.03 mg/L Free Cl2 and therefore did not required adjustment



Appendix B - Work Order Summary for WWTL

Workorder Summary Report

 Report Start Date: Oct 1, 2025 12:00 AM
 Report End Date: Dec 31, 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
4774650	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	10/1/25 12:00 AM	10/27/25 10:45 AM	10/27/25 10:45 AM	Diesel Generator Inspection/ Functional Test (1m) 5747 -October 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 1 st attempt. RPM's= 1800 Oil Level = Full Coolant Temp=178 Deg.F Battery Voltage= 12.2 V Oil Pressure 52 psi Hrs at start: 570.60
4780411	0000126968	LAGOON CELL 01 SOUTH POWASSAN	5747, Powassan WWTL, Process	PM	Inspection	1	MONTHS	Lagoon Cell 01South Powassan Insp/Service (1m/6m/1y) 5747	CLOSE	10/1/25 12:00 AM	10/2/25 09:32 AM	10/2/25 09:32 AM	Lagoon Cell 01South Powassan Insp/ Service (1m/6m/1y) 5747 -Dan Finnigan inspected the associated lagoon during the monthly RAW sewage sample collection on October 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.
4780421	0000126967	LAGOON CELL 02 NORTH POWASSAN	5747, Powassan WWTL, Process	PM	Inspection	1	MONTHS	Lagoon Cell 02 North Powassan Insp/Service (1m/6m/1y) 5747	CLOSE	10/1/25 12:00 AM	10/2/25 09:33 AM	10/2/25 09:33 AM	Lagoon Cell 02 North Powassan Insp/Service (1m/6m/1y) 5747 -Dan Finnigan inspected the associated lagoon during the monthly RAW sewage sample collection on October 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: Oct 1, 2025 12:00 AM

Report End Date: Dec 31, 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
4780455	0000126969	LAGOON CELL 03 POWASSAN	5747, Powassan WWTL, Process	PM	Inspection	1	MONTHS	Lagoon Cell 03 Powassan Inspection/Service (1m/6m/1y) 5747	CLOSE	10/1/25 12:00 AM	10/2/25 09:35 AM	10/2/25 09:35 AM	Lagoon Cell 03 Powassan Inspection/Service (1m/6m/1y) 5747 -Dan Finnigan inspected the associated lagoon during the monthly RAW sewage sample collection on October 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.
4780512			5747, Powassan WWTL	PM	HEALTH AND SAFETY	1	MONTHS	Health And Safety Inspection (1m) 5747	COMP	10/1/25 12:00 AM	10/27/25 09:58 AM	10/27/25 09:58 AM	Health And Safety Inspection (1m) 5747 -Dan Finnigan conducted the monthly H&S Inspection on October 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)
4780528			5747, Powassan WWTL	PM	HEALTH AND SAFETY	1	YEARS	Fire Protection System Inspection (1y) 5747	COMP	10/1/25 12:00 AM	11/28/25 09:03 AM	11/28/25 09:03 AM	Fire Protection System Inspection (1y) 5747 -Picked up fire extinguisher from Clark Street lift station and delivered to Callander for annual fire extinguisher inspection by technician from Evergard.

Workorder Summary Report

 Report Start Date: Oct 1, 2025 12:00 AM
 Report End Date: Dec 31, 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
4780552			5747, Powassan WWTL	PM	Inspection	1	MONTHS	TPM Inspection/Maintenance (1m) 5747	COMP	10/1/25 12:00 AM	10/27/25 10:01 AM	10/27/25 10:01 AM	TPM Inspection/Maintenance (1m) 5747 -Completed by Dan Finnigan on October 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.
4780569			5747, Powassan WWTL	PM	Inspection	1	MONTHS	Critical Alarm/Dialer Testing (1m) 5747	COMP	10/1/25 12:00 AM	10/27/25 10:42 AM	10/27/25 10:42 AM	Critical Alarm/Dialer Testing (1m) 5747 -Conducted by Dan Finnigan on October 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. 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.
4784462			5747, Powassan WWTL	OPER	Compliance	1	MONTHS	WISKI Review (1m) 5747	CLOSE	10/1/25 12:00 AM	10/5/25 05:30 PM	10/5/25 05:30 PM	WISKI Review (1m) 5747 - WISKI Review (1m) for the month of September 2025 was completed by Dan Finnigan. All values were checked, lab data entries were reviewed, and this Work Order closed off.

Workorder Summary Report

 Report Start Date: Oct 1, 2025 12:00 AM
 Report End Date: Dec 31, 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
4828640	0000296003	GENERATOR NATURAL GAS GENSET Clark Street	5747, Clark SPS, Facility	PM	Refurbish/ Replace/Repair	1	MONTHS	Diesel Generator Inspection/ Functional Test (1m) 5747	COMP	11/1/25 12:00 AM	11/5/25 12:11 PM	11/5/25 12:11 PM	Diesel Generator Inspection/ Functional Test (1m) 5747 -November 04, 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 st attempt. RPM's= 1800 Oil Level = Full Coolant Temp=178 Deg.F Battery Voltage= 12.2 V Oil Pressure 58 psi Hrs at start: 571.55 Hrs at stop: 572.30
4833878	0000126968	LAGOON CELL 01 SOUTH POWASSAN	5747, Powassan WWTL, Process	PM	Inspection	1	MONTHS	Lagoon Cell 01South Powassan Insp/Service (1m/6m/1y) 5747	COMP	11/1/25 12:00 AM	11/6/25 07:50 AM	11/6/25 07:50 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 November 04, 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: Oct 1, 2025 12:00 AM
 Report End Date: Dec 31, 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
4833888	0000126967	LAGOON CELL 02 NORTH POWASSAN	5747, Powassan WWTL, Process	PM	Inspection	1	MONTHS	Lagoon Cell 02 North Powassan Insp/Service (1m/6m/1y) 5747	COMP	11/1/25 12:00 AM	11/6/25 07:51 AM	11/6/25 07:51 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 November 04, 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.
4833921	0000126969	LAGOON CELL 03 POWASSAN	5747, Powassan WWTL, Process	PM	Inspection	1	MONTHS	Lagoon Cell 03 Powassan Inspection/Service (1m/6m/1y) 5747	COMP	11/1/25 12:00 AM	11/6/25 07:52 AM	11/6/25 07:52 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 November 04, 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: Oct 1, 2025 12:00 AM
 Report End Date: Dec 31, 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
4834005			5747, Powassan WWTL	PM	HEALTH AND SAFETY	1	MONTHS	Health And Safety Inspection (1m) 5747	COMP	11/1/25 12:00 AM	11/5/25 12:07 PM	11/5/25 12:07 PM	Health And Safety Inspection (1m) 5747 - Dan Finnigan conducted the monthly H&S Inspection on November 04, 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)

Workorder Summary Report

 Report Start Date: Oct 1, 2025 12:00 AM
 Report End Date: Dec 31, 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
4834018			5747, Powassan WWTL	PM	Inspection	1	MONTHS	TPM Inspection/Maintenance (1m) 5747	COMP	11/1/25 12:00 AM	11/5/25 12:08 PM	11/5/25 12:08 PM	TPM Inspection/Maintenance (1m) 5747 - Completed by Dan Finnigan on November 04, 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.
4834023			5747, Powassan WWTL	PM	Inspection	1	MONTHS	Critical Alarm/Dialer Testing (1m) 5747	COMP	11/1/25 12:00 AM	11/5/25 12:05 PM	11/5/25 12:05 PM	Critical Alarm/Dialer Testing (1m) 5747 - Conducted by Dan Finnigan on November 04, 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.
4836436			5747, Powassan WWTL	OPER	Compliance	1	MONTHS	WISKI Review (1m) 5747	COMP	11/1/25 12:00 AM	1/15/26 01:55 PM	1/15/26 01:55 PM	WISKI Review (1m) 5747 -WISKI Review (1m) for the month of October 2025 was completed by Dan Finnigan. Discharge Flows were calculated, all values were checked, lab data entries were reviewed, and this Work Order closed off.

Workorder Summary Report

 Report Start Date: Oct 1, 2025 12:00 AM
 Report End Date: Dec 31, 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
4862651			5747, Clark SPS, Facility	PM	Predictive Maintenance	0		Powassan Clark St Sewage Pump Station Hyrdovac Cleanout	COMP		11/13/25 10:09 AM	11/13/25 10:09 AM	Clark St Sewage Pump Station Hyrdovac Cleanout -Clark St pumping station required hydrovac cleaning. Completed Nov 12, 12025.
4873809	0000296003	GENERATOR NATURAL GAS GENSET Clark Street	5747, Clark SPS, Facility	PM	Refurbish/ Replace/Repair	1	MONTHS	Diesel Generator Inspection/ Functional Test (1m) 5747	COMP	12/1/25 12:00 AM	12/8/25 10:12 AM	12/8/25 10:12 AM	Diesel Generator Inspection/ Functional Test (1m) 5747 -December 05, 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 st attempt. RPM's= 1800 Oil Level = Full Coolant Temp=168 Deg.F Battery Voltage= 12.2 V Oil Pressure 58 psi Hrs at start: 572.30 Hrs at stop: 573.45
4879662	0000126968	LAGOON CELL 01 SOUTH POWASSAN	5747, Powassan WWTL, Process	PM	Inspection	1	MONTHS	Lagoon Cell 01South Powassan Insp/Service (1m/6m/1y) 5747	COMP	12/1/25 12:00 AM	12/2/25 07:54 AM	12/2/25 07:54 AM	Lagoon Cell 01South Powassan Insp/Service (1m/6m/1y) 5747 - Dan Finnigan inspected the associated lagoon during a site visit on the monthly RAW sewage sample collection on December 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: Oct 1, 2025 12:00 AM
 Report End Date: Dec 31, 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
4879672	0000126967	LAGOON CELL 02 NORTH POWASSAN	5747, Powassan WWTL, Process	PM	Inspection	1	MONTHS	Lagoon Cell 02 North Powassan Insp/Service (1m/6m/1y) 5747	COMP	12/1/25 12:00 AM	12/2/25 07:55 AM	12/2/25 07:55 AM	Lagoon Cell 02 North Powassan Insp/Service (1m/6m/1y) 5747 - Dan Finnigan inspected the associated lagoon during a site visit on the monthly RAW sewage sample collection on December 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.
4879694	0000126969	LAGOON CELL 03 POWASSAN	5747, Powassan WWTL, Process	PM	Inspection	1	MONTHS	Lagoon Cell 03 Powassan Inspection/Service (1m/6m/1y) 5747	COMP	12/1/25 12:00 AM	12/2/25 07:56 AM	12/2/25 07:56 AM	Lagoon Cell 03 Powassan Inspection/Service (1m/6m/1y) 5747 - Dan Finnigan inspected the associated lagoon during a site visit on the monthly RAW sewage sample collection on December 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: Oct 1, 2025 12:00 AM
 Report End Date: Dec 31, 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
4879712			5747, Powassan WWTL	PM	HEALTH AND SAFETY	1	MONTHS	Health And Safety Inspection (1m) 5747	COMP	12/1/25 12:00 AM	12/8/25 10:10 AM	12/8/25 10:10 AM	Health And Safety Inspection (1m) 5747 -Dan Finnigan conducted the monthly H&S Inspection on December 05, 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 (tested and working)
4879723			5747, Powassan WWTL	PM	Inspection	1	MONTHS	TPM Inspection/Maintenance (1m) 5747	COMP	12/1/25 12:00 AM	12/8/25 10:13 AM	12/8/25 10:13 AM	TPM Inspection/Maintenance (1m) 5747 -Completed by Dan Finnigan on December 05, 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.

Workorder Summary Report

 Report Start Date: Oct 1, 2025 12:00 AM
 Report End Date: Dec 31, 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
4879728			5747, Powassan WWTL	PM	Inspection	1	MONTHS	Critical Alarm/Dialer Testing (1m) 5747	COMP	12/1/25 12:00 AM	12/8/25 10:14 AM	12/8/25 10:14 AM	Critical Alarm/Dialer Testing (1m) 5747 -Conducted by Dan Finnigan on December 05, 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.
4882068			5747, Powassan WWTL	OPER	Compliance	1	MONTHS	WISKI Review (1m) 5747	COMP	12/1/25 12:00 AM	1/15/26 01:56 PM	1/15/26 01:56 PM	WISKI Review (1m) 5747 - WISKI Review (1m) for the month of November 2025 was completed by Dan Finnigan. Discharge Flows were calculated, all values were checked, lab data entries were reviewed, and this Work Order closed off.
4906724	0000086556	METER FLOW POWASSAN WWTL (CLARKE STREET) OLD LIFT STN	5747, Clark SPS, Process	PM	Calibration	1	YEARS	Meter Flow Powassan WWTL Clark Street Calibration (1y) 5747	COMP	1/14/26 12:00 AM	1/16/26 11:29 AM	1/16/26 11:29 AM	Completed September 3rd, 2025 -Passed
4906727	0000086563	METER FLOW 1 POWASSAN WWTL. ST.GREGORY SCHOOL PUMPING STATION #2	5747, Faireview SPS, Process	PM	Calibration	1	YEARS	Meter Flow 1 Powassan WWTL St. Gregory Calibration (1y) 5747	COMP	1/14/26 12:00 AM	1/16/26 11:31 AM	1/16/26 11:31 AM	Completed September 3, 2025 -Passed

Workorder Summary Report

 Report Start Date: Oct 1, 2025 12:00 AM
 Report End Date: Dec 31, 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
4922323	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	1/1/26 12:00 AM	1/16/26 11:16 AM	1/16/26 11:16 AM	Diesel Generator Inspection/ Functional Test (1m) 5747 -January 16, 2026 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 st attempt. RPM's= 1800 Oil Level = Full Coolant Temp=140 Deg.F Battery Voltage= 12.7 V Oil Pressure 60 psi Hrs at start: 573.45 Hrs at stop: 574.45
4929424	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	1/1/26 12:00 AM	1/12/26 01:24 PM	1/12/26 01:24 PM	Lagoon Cell 01South Powassan Insp/ Service (1m/6m/1y) 5747 - Dan Finnigan inspected the associated lagoon during a site visit on the monthly RAW sewage sample collection on January 09, 2026. 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: Oct 1, 2025 12:00 AM
 Report End Date: Dec 31, 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
4929441	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	1/1/26 12:00 AM	1/12/26 01:25 PM	1/12/26 01:25 PM	Lagoon Cell 02 North Powassan Insp/Service (1m/6m/1y) 5747 - Dan Finnigan inspected the associated lagoon during a site visit on the monthly RAW sewage sample collection on January 09, 2026. 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.
4929471	0000126969	LAGOON CELL 03 POWASSAN	5747, Powassan WWTL, Process	PM	Inspection	1	MONTHS	Lagoon Cell 03 Powassan Inspection/Service (1m/6m/1y) 5747	COMP	1/1/26 12:00 AM	1/12/26 01:26 PM	1/12/26 01:26 PM	Lagoon Cell 03 Powassan Inspection/Service (1m/6m/1y) 5747 - Dan Finnigan inspected the associated lagoon during a site visit on the monthly RAW sewage sample collection on January 09, 2026. 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: Oct 1, 2025 12:00 AM
 Report End Date: Dec 31, 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
4929573			5747, Powassan WWTL	PM	HEALTH AND SAFETY	1	MONTHS	Health And Safety Inspection (1m) 5747	COMP	1/1/26 12:00 AM	1/16/26 11:19 AM	1/16/26 11:19 AM	Health And Safety Inspection (1m) 5747 -Dan Finnigan conducted the monthly H&S Inspection on January 16, 2026 which consisted of checking/verifying the following items: <ol style="list-style-type: none"> 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 (tested and working)
4929638			5747, Powassan WWTL	PM	Inspection	1	MONTHS	TPM Inspection/Maintenance (1m) 5747	COMP	1/1/26 12:00 AM	1/16/26 11:20 AM	1/16/26 11:20 AM	TPM Inspection/Maintenance (1m) 5747 -Completed by Dan Finnigan on January 16, 2026. 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. *NOTE: all gate locks and wet well locks were frozen and needed to be torched to open.

Workorder Summary Report

 Report Start Date: Oct 1, 2025 12:00 AM
 Report End Date: Dec 31, 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
4929648			5747, Powassan WWTL	PM	Inspection	1	MONTHS	Critical Alarm/Dialer Testing (1m) 5747	COMP	1/1/26 12:00 AM	1/16/26 11:17 AM	1/16/26 11:17 AM	Critical Alarm/Dialer Testing (1m) 5747 -Conducted by Dan Finnigan on January 16, 2026. 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.
4933742			5747, Powassan WWTL	OPER	Compliance	1	MONTHS	WISKI Review (1m) 5747	COMP	1/1/26 12:00 AM	1/15/26 01:57 PM	1/15/26 01:57 PM	WISKI Review (1m) 5747 - WISKI Review (1m) for the month of December 2025 was completed by Dan Finnigan. All values were checked, lab data entries were reviewed, and this Work Order closed off.



Appendix C – Call-out Report for WTP

Workorder Summary Report

 Report Start Date: Oct 1, 2025 12:00 AM
 Report End Date: Dec 31, 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
4819274	0000258554	PUMP DIAPHRAGM #2 CHEMICAL S-HYPO FEED PUMP	6033, Powassan WTP	CALL	Compliance	0		Powassan WS Low Chlorine Alarm / Lockout	COMP		10/24/25 06:53 PM	10/25/25 02:30 AM	Powassan WS Low Chlorine Alarm / Lockout -Friday October 24, 2025 18:53--Received and acknowledged Telus Alarms for Low Chlorine 19:00--Logged onto Wonderware remotely to review trending and operations: chlorine residual dropped to 0.78 mg/L and all pumps are locked out. Reservoir is above 4.5 meters and dropping. A site visit is required. 19:00--Received and acknowledged WIN911 notification for Treated Water Low Chlorine alarm 22:23--Received and acknowledged Telus notification for Auxiliary 1 alarm (Reservoir Low Level Alarm) 23:50--Confirmed analyzer reading by comparison to handheld: online analyzer reading 0.76 mg/L, handheld reading is 0.80 mg/L. Analyzer is within specifications and does not require calibration. 23:55--Opened waste valve and began back flushing contact chamber Saturday October 25, 2025 00:10--Checked hypo pump and all lines for leaks: none found. Removed injection Lance and observed Minor solidifying in the injection stem. Cleaned injection, stem and observed good pumping through injection Lance. Reinstalled injection Lance, and checked for leaks: none found. 00:15--Shut all wasting valves and finish back flushing. 00:20--Cleared low chlorine and reservoir low low level lockout/ alarm. Allowed well pumps to start in auto, and observed good dosing from hypo pump 00:25--Adjusted low and low low reservoir level alarm set points. New low level is 4.15 m, and new low

Workorder Summary Report

 Report Start Date: Oct 1, 2025 12:00 AM
 Report End Date: Dec 31, 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
													low level is 4.00 m. 00:48--Increased stroke on hypo pump from 65% up to 70% 01:05--Added one jug of hypo to the day tank and turned up hypo pump stroke from 70 to 75%. Increased/ frequency from 7000/per hour up to 7200 strokes per hour.
4861506	0000258554	PUMP DIAPHRAGM #2 CHEMICAL S-HYPO FEED PUMP	6033, Powassan WTP	CALL	Compliance	0		Powassan WS Low Chlorine Alarm / Lockout	COMP		11/6/25 01:51 AM	11/6/25 07:00 PM	Powassan WS Low Chlorine Alarm / Lockout - -Received low chlorine alarm / lockout -Checked hypo pump, injection, lines, etc. No evidence of leaks or failures -Changed hypo pump with spare, changed foot valve and injection valve -Primed pump and restarted plant. High chlorine levels detected in the contact chamber with the replacement pump pumping way too much hypo -Recorded hypo values every 5 minutes while flushing area hydrant and backflushing twice -adjusted settings on pump and monitored plant for several hours -monitored residual remotely until approximately 19:00 hrs

Workorder Summary Report

 Report Start Date: Oct 1, 2025 12:00 AM
 Report End Date: Dec 31, 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
4864332	0000258554	PUMP DIAPHRAGM #2 CHEMICAL S-HYPO FEED PUMP	6033, Powassan WTP	CALL	Compliance	0		Powassan well House Low chlorine alarms	COMP		11/24/25 12:15 AM	11/24/25 10:45 AM	Powassan well House Low chlorine alarms -00:12--Received and acknowledged WIN911 notification for low chlorine alarm 00:15--Logged onto Wonderware to review trending and operations: POE analyzer dropped briefly to 0.69 mg/L on November 23 at 2352 hours before quickly climbing to current reading of 1.13 mg/L. A site visit and further adjustments to the hypo pump will be made later this morning. 10:03--Received notification from Telus alarms for Powassan well House low chlorine alarm 10:10--Confirmed well pumps were locked out and residual was rising above lockout set point 11:30--Cleared lockouts, adjusted chlorine pump speed, confirmed good dosing, etc.
4906529	0000258554	PUMP DIAPHRAGM #2 CHEMICAL S-HYPO FEED PUMP	6033, Powassan WTP	CALL	Compliance	0		Powassan WS POE High Chlorine Alarms	COMP		12/1/25 08:06 PM	12/2/25 01:45 PM	Powassan WS POE High Chlorine Alarms -20:06--Received Telus notification for POE High Chlorine Alarm 20:12--Received WIN911 notification for POE High Chlorine alarm 20:15--Logged onto Wonderware remotely to review trending and operations: a very quick spike in chlorine residual occurred at 19:52 Hrs peaking at 4.17 mg/L before reducing down to 2.27 mg/L. Will monitor remotely. 23:00--Logged onto Wonderware remotely: POE analyzer reading 2.18 mg/L on the reservoir drain cycle. Minor adjustment will be made to the pump tomorrow. No further action required at this time.

Workorder Summary Report

 Report Start Date: Oct 1, 2025 12:00 AM
 Report End Date: Dec 31, 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
4906623			6033, Powassan WTP, Process	CALL	Inspection	0		Powassan Well Supply Low POE Chlorine Alarm	COMP		11/29/25 10:00 AM	11/29/25 02:00 PM	Powassan Well Supply Low POE Chlorine Alarm -Received POE Low Chlorine Alarm. Reviewed trending with POE Chlorine drop to 0.7 mg/L and interlock deactivation. Backflushing with sodium sulfite to Dechlorinate. Halted backflushing. Low chlorine events confirmed to have resulted from multiple faulty check valves for ProMinent dosing pump. HMI Alarms Teset with temporary adjustment t to Low Reservoir Level at 3.3 metres. Chlorine pumo degassing set 30 minute interval at 1 second duration.

Workorder Summary Report

 Report Start Date: Oct 1, 2025 12:00 AM
 Report End Date: Dec 31, 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
4907830			6033, Powassan WTP, Process	CALL	Compliance	0		Powassan WS Low Chlorine WIN911 alarms	COMP		12/5/25 05:22 PM	12/8/25 07:30 AM	Powassan WS Low Chlorine WIN911 alarms - 17:22--Received WIN911 notification for POE low chlorine alarm. 17:30--logged onto Wonderware remotely to check trending and operations: trending show a brief drop of residual down to 0.72 mg/L on Well Pump#1 startup, followed immediately with a restoral back up to 1.76 mg/L. Will monitor remotely. 20:45--logged onto Wonderware remotely to check trending and operations: Well Pump#1 has finished the pumping cycle and the residual is steady at 1.71 mg/L. Will monitor remotely. ***Monitored via Wonderware throughout the weekend, checking multiple times during pumping cycles. The drop in residuals on Well Pump #1 startup seems to be decreasing somewhat. Stroke will be increased slightly in order to raise the dosage for the next several weeks until the hypo pump can be properly diagnosed, etc.

Workorder Summary Report

 Report Start Date: Oct 1, 2025 12:00 AM
 Report End Date: Dec 31, 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
4911075	0000258554	PUMP DIAPHRAGM #2 CHEMICAL S-HYPO FEED PUMP	6033, Powassan WTP	CALL	Compliance	0		Powassan WS low Chlorine Alarms	COMP		12/19/25 09:52 PM	12/21/25 01:40 PM	Powassan WS low Chlorine Alarms - 13:00--***Received a low chlorine alarm on Friday December 19, 2025 at 21:52 (Telus) and 21:59 (WIN911) for low chlorine. Trending from Wonderware showed the residual dipped to 0.55 mg/L but did not lock out. Subsequent trending improved and no other low chlorine events were noted. Arrived at Well House and confirmed there were no leaks or air bubbles in the hypo lines, etc. 13:05--Recorded calculations and readings. Added one jug of hypo to the day tank. Compared online analyzer to handheld: online analyzer was within specifications and does not require calibration. All equipment appears to be in good working order. 13:15--Reviewed online chart recorder back to Thursday, December 18, 2025 at 07:00 Confirmed the chlorine analyzer only dropped to 0.55 mg/L on Friday, December 19. CT was met. 13:31--Adjusted chlorine low level alarm, set point to higher than current reading of 1.88 mg/L. Immediate lockout and alarm notification through Telus

Workorder Summary Report

 Report Start Date: Oct 1, 2025 12:00 AM
 Report End Date: Dec 31, 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
													confirmed 13:33--Reset low chlorine alarm set point down to 0.80 mg/L and reset plant interlock to allow plant to restart in auto. 13:40--Receive notification from Telus of previous low chlorine alarms
4930966			6033, Powassan WTP, Process	CALL	Inspection	0		Powassan Well Supply Low POE Chlorine Alarm	COMP		12/24/25 08:45 PM	12/24/25 10:45 PM	Powassan Well Supply Low POE Chlorine Alarm -Received POE Low Chlorine Alarm. Well Pump Interlock deactivated with POE Chlorine displaying 0.13 mg/L. Backflushing with sodium sulfite for dechlorination. Received Reservoir Low Level Alarm. Halted backflushing. Adjusted Reservoir Low Level Alarm Setpoint to 4.1 metres with LL to 4.0 metres. Reset Low Chlorine Interlock with Well Pump 1 activation.
4931389			6033, Powassan WTP, Process	CALL	Inspection	0		Powassan Well Supply Low POE Chlorine Alarm	COMP		12/24/25 11:00 PM	12/25/25 12:15 AM	Received POE Low Chlorine Alarm. -Received POE Low Chlorine Alarm. POE Chlorine Analyzer displaying 1.20 mg/L. Trending review shows at 2255 hours POE Chlorine drop to 0.79 mg/L with Interlick deactivation. Reset Well Pump Interlock.

Workorder Summary Report

 Report Start Date: Oct 1, 2025 12:00 AM
 Report End Date: Dec 31, 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
4931539			6033, Powassan WTP, Process	CALL	Inspection	0		Powassan Well Supply Low POE Chlorine	COMP		12/25/25 01:15 PM	12/25/25 04:30 PM	Powassan Well Supply Low POE Chlorine -Received Low POE Chlorine Alarm. POE Chlorine Analyzer displaying 0.10 mg/L. Backflushing with sodium sulfite for Dechlorination. Received WIN Low Reservoir Level Alarm with reduction below 4.4 metres. Halted backflushing. Reset Well Pump Interlock. Received Low Reservoir Level Alarm. Adjusted Reservoir Low Level Alarm Setpoint to 3.9 metres with LL to 3.8 metres.

Workorder Summary Report

 Report Start Date: Oct 1, 2025 12:00 AM
 Report End Date: Dec 31, 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
4931803			6033, Powassan WTP, Process	CALL	Inspection	0		Powassan Well Supply Low POE Chlorine Alarm	COMP		12/26/25 07:15 AM	12/26/25 12:15 PM	Powassan Well Supply Low POE Chlorine Alarm -Received POE Low Chlorine Alarm. Received WIN Low Reservoir Level Alarm. POE Chlorine Analyzer displaying 0.06 mg/L. Backflushing with sodium sulfite for Dechlorination. Halted Backflushing. Reset Well Pump Interlock. Received POE Low Chlorine Alarm. Backflsuhing with sodium sulfite for Dechlorination. Adjusted Reservoir Low Level Alarm Setpoint to 3.2 metres with LL to 3.1 metres. Halted backflushing. Reset Well Pump Interlock. Adjusted Reservoir Low Level Alarm Setpoint to 3.3 metres with LL to 3.2 metres. Configured chlorine dosing pump to purge every 120 minutes for 10 seconds. Inspecrion of equipment. Raised Sodium Hypochlorite. Adjusted Reservoir Low Level Alarm Setpoint to 3.4 metres with LL to 3.3 metres.

Workorder Summary Report

 Report Start Date: Oct 1, 2025 12:00 AM
 Report End Date: Dec 31, 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
4933081			6033, Powassan WTP, Process	CALL	Inspection	0		Powassan Well Supply Low POE Chlorine Alarm	COMP		12/27/25 09:00 AM	12/27/25 02:00 PM	Powassan Well Supply Low POE Chlorine Alarm -Received POE Low Chlorine Alarm. Received WIN Low Reservoir Level Alarm. POE Chlorine displaying 0.05 mg/L. Backflushing with sodium sulfite for Dechlorination. Reset Well Pump Interlock. Configured Chlorine Pump Strike Length to 50%. Configured Chlorine Pump Air Purge Interval to 30 minutes with 5 second Duration. Adjusted POE Chlorine Analyzer Interlock Setpoint to 0.55 mg/L. Configured Chlorine Pump Air Purge Interval to 30 minutes with 10 second Duration.
4933389			6033, Powassan WTP, Process	CALL	Inspection	0		Powassan Well Supply Low POE Chlorine Alarm	COMP		12/28/25 04:15 AM	12/28/25 02:30 PM	Powassan Well Supply Low POE Chlorine Alarm -Received POE Low Chlorine Alarm. Received WIN Low Reservoir Level Alarm following reduction below 4.4 metre Setpoint. POE Chlorine Analyzer displaying 2.00 mg/L. Reservoir Level @ 3.41 metres. Backflushing with sodium sulfite for Dechlorination. Halted Backflushing. Flushed Chlorine injection following suction line inspection with appropriate air bubble displacement rate during function. Reset Well Pump Interlock. Adjusted POE Chlorine Analyzer Interlock Setpoint to 0.80 mg/L.



Appendix D – Call-out Report for WWTL

Workorder Summary Report

 Report Start Date: Oct 1, 2025 12:00 AM
 Report End Date: Dec 31, 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
4909351			5747, Powassan WWTL	CALL	Compliance	0		Powassan Clark Street SLS High Wet Well Level Alarm	COMP		12/19/25 04:42 AM	12/19/25 10:15 AM	Powassan Clark Street SLS High Wet Well Level Alarm -04:42--Received Telus Notification for High Wet Well level 05:28--Received and acknowledged WIN911 notification for High Wet Well Level. 05:30--Logged onto Wonderware remotely to check wet well trending: current rain event has the wet well rising very slowly. Current level is at 8.78 meters, or about 3 meters below the overflow. Will monitor remotely. 07:30--Wet well level has reached blanking level (9.78 meters). Forecast shows rain event has ended and turned to snow. Will monitor remotely. 08:30--Trending shows wet well level coming down (currently at 8.70 meters and dropping). A site visit will confirm there was no by-pass.



Appendix E - Performance Assessment Report Water

6033 POWASSAN DRINKING WATER SYSTEM 220000576

	10 / 2025	11 / 2025	12 / 2025	<--Total-->	<--Avg-->	<--Max-->	<--Min-->
Flows							
Raw Flow: Monthly Total - RW1 - Raw Well 1 (m³)	6,002.46	5,093.86	10,173.45	21,269.77			
Raw Flow: Monthly Total - RW2 - Raw Well 2 (m³)	5,788.51	5,197.16	2,713.65	13,699.32			
Raw Flow: Monthly Avg - RW1 - Raw Well 1 (m³)	193.63	169.80	328.18		230.53		
Raw Flow: Monthly Avg - RW2 - Raw Well 2 (m³)	186.73	173.24	180.91		180.29		
Raw Flow: Monthly Max - RW1 - Raw Well 1 (m³)	327.99	446.15	910.31			910.310	
Raw Flow: Monthly Max - RW2 - Raw Well 2 (m³)	373.70	426.22	503.49			503.490	
Raw Flow: Monthly Total - RW - Raw Water - Total (m³)	11,790.97	10,291.02	5,867.78	27,949.77			
Raw Flow: Monthly Avg - RW - Raw Water - Total (m³)	380.35	343.03	391.19		371.52		
Raw Flow: Monthly Max - RW - Raw Water - Total (m³)	535.35	482.00	696.10			696.100	
Turbidity							
Raw: Max Turbidity - RW1 - Raw Well 1 (NTU)	0.090	0.080	0.240			0.240	
Raw: Max Turbidity - RW2 - Raw Well 2 (NTU)	0.090	0.080	1.920			1.920	
Chemical Parameters							
Treated: Max Nitrite - TW1 - TW1 (mg/L)	< 0.003				<	< 0.003	<
Treated: Max Nitrate - TW1 - TW1 (mg/L)	1.120					1.120	
Distribution: Max THM - DW - Distribution (µg/l)	1.800					1.800	
Distribution: Max HAA - DW - Distribution (µg/l)	< 5.300				<	< 5.300	<
Chlorine Residuals							
Treated: Min Free Cl2 Resid - TW - Treated Water (mg/L)	0.843	0.515	0.560				0.515
Treated: Max Free Cl2 Resid - TW - Treated Water (mg/L)	2.477	5.160	5.161			5.161	
Dist: Min Free Cl2 Resid - DW - Distribution (mg/L)	1.460	1.480	1.510				1.280
Dist: Max Free Cl2 Resid - DW - Distribution (mg/L)	2.160	2.700	3.000			2.130	
Bacteriological Samples Collected							
Raw Bacti: # of samples - RW1 - Raw Well 1	4	4	5	13			
Raw Bacti: # of samples - RW2 - Raw Well 2	4	4	5	13			
Treated Bacti: # of samples - TW1 - TW1	2	2	2	6			
Treated Bacti: # of samples - TW2 - TW2	2	2	3	7			
Dist Bacti: # of samples - DW - Distribution	12	12	15	39			
Dist HPC: # of samples - DW - Distribution	4	4	5	13			
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			



Appendix F - Performance Assessment Report Wastewater

5747 POWASSAN WASTEWATER TREATMENT LAGOON 110000613

	10 / 2025	11 / 2025	12 / 2025	<<-Total-->	<-Avg-->	<-Max-->
Flows						
Raw Flow: Total - Raw m ³ /d	12,630.70	14,848.80	13,689.50	41,169.00		
Raw Flow: Total - St Gregory m ³ /d	433.60	423.80	438.20	1,295.60		
Raw Flow: Total - Clark Street m ³ /d	12,197.10	14,425.00	13,251.30	39,873.40		
Raw Flow: Avg - Raw m ³ /d	407.44	494.99	441.60	447.49		
Raw Flow: Avg - St Gregory m ³ /d	13.99	14.13	14.14	14.08		
Raw Flow: Avg - Clark Street m ³ /d	393.45	480.83	427.46	433.41		
Raw Flow: Max - Raw m ³ /d	569.40	626.10	1,032.90			1,032.90
Raw Flow: Max - St Gregory m ³ /d	34.90	17.52	20.90			34.90
Raw Flow: Max - Clark Street m ³ /d	549.69	608.62	1,012.00			1,012.00
Raw Flow: Count - Raw m ³ /d	31.00	30.00	31.00	92.00		
Raw Flow: Count - St Gregory m ³ /d	31.00	30.00	31.00	92.00		
Raw Flow: Count - Clark Street m ³ /d	31.00	30.00	31.00	92.00		
Eff. Flow: Total - Eff Old m ³ /d	271,446.24	74,669.69	0.00	346,115.92		
Eff. Flow: Total - Eff North m ³ /d	0.00	55,564.94	0.00	55,564.94		
Eff. Flow: Avg - Eff Old m ³ /d	22,620.52	18,667.42	0.00	21,632.25		
Eff. Flow: Avg - Eff North m ³ /d	0.00	2,525.69	0.00	2,525.68		
Eff. Flow: Max - Eff Old m ³ /d	24,597.07	24,597.07	0.00			
Eff. Flow: Max - Eff North m ³ /d	0.00	2,645.95	0.00			2,645.95
Eff. Flow: Count - Eff Old m ³ /d	12.00	4.00	0.00	16.00		
Eff. Flow: Count - Eff North m ³ /d	0.00	22.00	0.00	22.00		
Carbonaceous Biochemical Oxygen Demand: CBOD						
Eff: Avg cBOD5 - Eff Old mg/L	4.25	5.00	0.00	4.40	<	5.00
Eff: Avg cBOD5 - Eff North mg/L	0.00	6.40	0.00	6.40	<	6.40
Eff: # of samples of cBOD5 - Eff Old	4.00	1.00	0.00	5.00		
Eff: # of samples of cBOD5 - Eff North	0.00	5.00	0.00	5.00		
Loading: cBOD5 - Eff Old kg/d	96.137	93.337	0.000	96.16	<	96.14
Loading: cBOD5 - Eff North kg/d	0.000	16.164	0.000	138.45	<	16.16
Biochemical Oxygen Demand: BOD5						
Raw: Avg BOD5 - Raw mg/L	326.00	140.00	258.00	241.33		326.00
Raw: # of samples of BOD5 - Raw	1.00	1.00	1.00	3.00		
Total Suspended Solids: TSS						
Raw: Avg TSS - Raw mg/L	197.00	280.00	210.00	229.00		280.00
Raw: # of samples of TSS - Raw	1.00	1.00	1.00	3.00		
Eff: Avg TSS - Eff Old mg/L	25.00	48.00	0.00	29.60		48.00
Eff: Avg TSS - Eff North mg/L	0.00	19.00	0.00	19.00		19.00
Eff: # of samples of TSS - Eff Old	4.00	1.00	0.00	5.00		
Eff: # of samples of TSS - Eff North	0.00	5.00	0.00	5.00		
Loading: TSS - Eff Old kg/d	565.513	896.039	0.000	640.31		896.04
Loading: TSS - Eff North kg/d	0.000	47.989	0.000	411.01		47.99
Percent Removal: TSS - Eff Old %	87.31	82.89	0.00			87.31
Percent Removal: TSS - Eff North %	0.00	93.21	0.00			93.21
Total Phosphorus: TP						
Raw: Avg TP - Raw mg/L	3.24	2.42	3.02	2.90		3.24
Raw: # of samples of TP - Raw	1.00	1.00	1.00	3.00		
Eff: Avg TP - Eff Old mg/L	0.24	0.39	0.00	0.27		0.39
Eff: Avg TP - Eff North mg/L	0.00	0.25	0.00	0.25		0.25
Eff: # of samples of TP - Eff Old	4.00	1.00	0.00	5.00		
Eff: # of samples of TP - Eff North	0.00	5.00	0.00	5.00		
Loading: TP - Eff Old kg/d	5.485	6.720	0.000	5.75		6.72
Loading: TP - Eff North kg/d	0.000	0.639	0.000	5.45		0.64
Percent Removal: TP - Eff Old %	92.52	85.31	0.00			92.52
Percent Removal: TP - Eff North %	0.00	89.71	0.00			89.71
Nitrogen Series						
Raw: Avg TKN - Raw mg/L	32.00	24.80	28.80	28.53		32.00
Raw: # of samples of TKN - Raw	1.00	1.00	1.00	3.00		
Eff: Avg TAN - Eff Old mg/L	2.30	5.00	0.00	2.84		5.00
Eff: Avg TAN - Eff North mg/L	0.00	8.10	0.00	8.10		8.10
Eff: # of samples of TAN - Eff Old	4.00	1.00	0.00	5.00		
Eff: # of samples of TAN - Eff North	0.00	5.00	0.00	5.00		
Loading: TAN - Eff Old kg/d	52.027	93.337	0.000	61.44		93.34
Loading: TAN - Eff North kg/d	0.000	20.459	0.000	175.22		20.48
Disinfection						
Eff: GMD E. Coli MPN - Eff Old MPN	3.69	18.62	0.00			
Eff: GMD E. Coli MPN - Eff North MPN	0.00	6.25	0.00			
Eff: # of samples of E. Coli MPN - Eff Old	4.00	1.00	0.00	5.00		
Eff: # of samples of E. Coli MPN - Eff North	0.00	5.00	0.00	5.00		