



Municipal Wastewater Collection System Annual Report 2025

Submitted – March 2026

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Introduction

The City of Dryden (City) provides a wastewater collection system to collect and convey wastewater to the City's Wastewater Treatment Plant. As per requirements under the Environmental Protection Act R.S.O. 1990 c. E. 19, the City is required to produce an annual report which includes:

- Any Collection System Overflow or Spill of Sewage, include dates, volume, duration and sample results, disinfection (if applicable), adverse impacts, and corrective actions.
- A Summary of any available monitoring data
- Complaints Received
- Any Operating Problems and associated corrective Actions.
- A summary of any all calibration, maintenance, and repairs carried out to any major structures associated with the Sewage Collection System (SCS)
- A summary of alterations to the SCS
- A summary of efforts made to reduce SCS overflows, spills, wastewater treatment plant overflows including projects undertaken and competed that results in overall overflow reduction (or elimination), including expenditures and or proposed projects with estimated budget for the following year.

Dryden Wastewater Collection System Description

Environmental Certificate of Approval: 223-W601

Dryden Wastewater Treatment Plant Certificate of Approval: 3788-88QNWW

The City's Wastewater SCS collects and conveys wastewater for approximately 2,800 residential and commercial connections. All wastewater collected and conveyed is directed to the City's Wastewater Treatment Plant (WWTP) located at 129 Marguerite Street.

The SCS pipes consist of plastic, concrete, and clay in various dimensions and adding up to an approximate linear total of 58km. Wastewater flow is primarily achieved by gravity; however, 5 wastewater pump stations are located throughout the City in areas where natural gravity flow to the WWTP is not an option.

The five pump stations are named Wabigoon Drive, West River Road, Kennedy Road, Ross Street, and Lakeside Drive. A summary of the station features is tabled below.

Station Name	Station Capacity (L/S)	# of Pumps	Physical Overflow	Storage Volume (m ³)	Standby Power
Wabigoon Drive	75	3	No	330	Yes
West River Road	38	2	No	21	No
Kennedy Road	30	2	No	12	Provision for Hookup
Ross Street	15	2	No	3	Provision for Hookup
Lakeside Drive	26	2	No	3	No

System Overflows and Spills

There was one wastewater spill to the environment, and it occurred on September 2, 2025, at Keith Avenue/Elm Road intersection. This was reported to the Spills Action Center and logged as event #1-PG42WX. The spill was a result of a backed-up sewer main due to root infiltration, causing a wastewater spill out of a manhole. The total spill volume could not be estimated as the duration of the spill was unknown. This specific manhole is located off the roadway and not readily visible. Public Works staff were able to clear the main and remediate the surrounding area.

Collection System Monitoring Data

All pump stations are monitored for pump operational status and high-level warnings for operational response. Wabigoon Station is monitored by the City’s Supervisory Control and Data Acquisition System (SCADA). The SCADA system alerts operational staff regarding equipment problems, or high levels in the system. The other pump stations have dedicated dialer accounts to notify operations of abnormal operation conditions. There are no flow measurements or any operational data collected outside of general operational status.

2025 run times for the lift stations are summarized in the following table and compared to the 2024 operating year.

Station Name	Run Time (Hours)	Run Time 2024 (Hours)	% Change From 2024
Wabigoon Drive	505	540	-7%
West River Road	266	285	-7%
Kennedy Road	1299	1500	-15.5%
Ross Street	114	129	-13%
Lakeside Drive	1543	1526	+1.1%

It appears that based on 2025 operating data, that wastewater flow was slightly down compared to the 2024 operating year. The decrease is likely associated with a reduction of

groundwater inflow into the system with 2025 having less precipitation than 2024 on record.

Overall System Operation

Collection System Operation and Maintenance

Complaints and Preventative Maintenance Activities

For the 2025 Operational year, only 18 complaints were received directly associated with the collection system. A summary of the complaints and Preventative Maintenance actions taken on the collection system infrastructure are tabled below.

Complaint/Preventative Maintenance Location	Date of Action	Issue/Activity	Complaint (C) or Preventative Maintenance (PM)	Route Cause & Action Taken
David Avenue	January 14	Backup	C	Sewer Lateral was blocked, blockage cleared
Grand Trunk Avenue	January 21	Backup	PM	Manhole blockage, blockage cleared
Florence Avenue	January 27	Repair	PM	Two Sewer Laterals were relined
Arthur Street	February 3	Backup	C	Frozen Sewer Lateral, lateral thawed
Kennedy Road	February 20	Backup	C	Manhole Frozen, thawed out
Government Road	February 27	Backup	C	Frozen Sewer Lateral, lateral thawed
Grand Trunk Avenue	March 3	Backup	PM	Sewer Main Blocked, blockage cleared
Marguerite Street	March 11	Backup	PM	Septage Receiving Station Blocked, blockage cleared
Arthur Street	March 11	Backup	PM	Manhole was blocked, blockage cleared
Princess Street	March 17	Backup	PM	Sewer Main was blocked, main cleaned out
Government Street	March 18	Backup	C	Manhole was blocked, cleaned out debris
Albert Street	April 1	Backup	C	Sewer Lateral was blocked, remediation to occur in 2026
Morrison Avenue	April 3	Backup	C	Sewer Lateral was blocked, blockage cleared
Memorial Avenue	April 4	Backup	C	Sewer Lateral was frozen, lateral thawed
Wilson Street	April 16	Backup	C	Sewer Lateral was blocked, blockage cleared
Memorial Avenue	April 21	Repair	PM	Manhole damaged, repaired and debris removed from manhole
Princess Street	April 25	Backup	PM	Sewer Main was blocked, main cleaned out
Sandy Beach Road	May 7	Backup	C	Sewer Main was blocked, main cleaned out

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Kirkpatrick Avenue	May 7	Backup	C	Sewer Main was blocked, main cleaned out
Vanhorne	May 9	Backup	C	Sewer Main was blocked, main cleaned out
Vanhorne	May 10	Backup	C	Sewer Main was blocked, main cleaned out
Vanhorne	May 11	Backup	C	Sewer Main was blocked, main cleaned out
Wood Street	May 12	Repair	C	Sewer Lateral Collapsed, repair completed
Wilson Street	May 15	Replacement	PM	Sewer Lateral replaced
Park Crescent	May 22	Backup	C	Sewer Lateral failure, lateral relined
Lakeside Drive	May 23	Backup	PM	Sewer Main was blocked, main cleaned out
Pitt Avenue	May 26	Replacement	PM	Sewer Lateral replaced
Whyte Avenue	June 3	Backup	C	Sewer Lateral was blocked, lateral cleaned out
Mary Street, Second Street	June 3	Repair	PM	Two manholes were repaired
First Street	June 5	Repair	PM	Manhole repaired
St. Charles Street	June 11	Replacement	PM	Sewer Lateral was replaced
St. Charles Street	June 13	Backup	PM	Sewer Main was blocked, main cleaned out
West River Road	June 20	Backup	PM	Sewer Main was blocked, main cleaned out
Pitt Avenue	June 24	Replacement	PM	Sewer Lateral was replaced
Scott Street	July 11	Installation	PM	Sewer Lateral Installed
Wright Street	July 17	Backup	PM	Sewer Main was blocked, main cleaned out
Van Horne Avenue	July 23	Replacement	PM	Sewer Lateral Replacement
Princess Street	August 1	Backup	PM	Sewer Main was blocked, main cleaned out.
Memorial Avenue	August 7	Replacement	PM	Sewer Lateral was replaced
Victoria Street	August 8	Backup	PM	Sewer Main was blocked; main cleaned out
Mary Avenue	August 15	Installation	PM	Sewer Lateral was installed
Casimir Avenue	August 26	Replacement	PM	Sewer Lateral was replaced
Princess Street	August 29	Backup	PM	Sewer Main was blocked, main cleaned out
Keith Avenue	September 2	Spill	C	Sewer Main was blocked, main cleaned out
Keith Avenue	September 4	Backup	PM	Sewer Main was blocked, main cleaned out
Riverview Drive	September 11	Repair	PM	Sewer Lateral Repair
Government Road	September 26	Backup	PM	Sewer Main was blocked, main cleaned out
Earl Street	October 1	Repair	PM	Manhole repaired
Third Street	October 3	Repair	PM	Sewer Lateral repaired

Duke Street	October 23	Repair	PM	Manhole repaired
Arthur Street	October 31	Backup	C	Sewer Lateral was blocked, blockage cleared
Wright Street	November 3	Repair	PM	Manhole repaired
St. Charles Street	November 4	Repair	PM	Sewer Main Repair
Grand Trunk Avenue	November 6	Replacement	PM	Sewer Lateral replacement
Grand Trunk Avenue	November 11	Backup	PM	Sewer Main was blocked, main cleaned out
Schmidt Crescent	December 2	Replacement	PM	Sewer Lateral replaced
Heather Drive	December 8	Repair	PM	Manhole Repaired
Victoria Street	December 12	Backup	PM	Sewer Main was blocked, main cleaned out
St. Charles Street	December 19	Backup	C	Sewer Lateral was blocked, blockage cleared

In summary, the activities that were actioned included the relining of three Sewer Laterals, three Sewer Lateral thaws, two Sewer Lateral Installations, three Sewer Lateral repairs, nine Sewer Lateral replacements, one Sewer Main thaw, one Sewer Main repair, and eight Manhole repairs.

Additional preventative maintenance includes annual Closed Circuit Television inspection program. For 2025, approximately a total of 3km of collection system piping was inspected for, Duke Street, Casmir Avenue, Park Avenue, Florence Street, Park Crescent, St. Charles Street, Taylor Street, Boozhoo Avenue, Whyte Street, Keith Avenue and Earl Avenue.

Lift Station Operation and Maintenance

There were no major issues with any of the lift station components within the SCS for the operating year of 2025. All pump station pumps have been historically inspected and repaired (if necessary) every two years (All pumps due for inspection in 2026). Yearly cleaning and physical inspections of the lift stations are also implemented by Public Works staff and is noted in the station logbooks and the City’s work order system.

Generator maintenance records for the Wabigoon Lift Station can be found in Appendix A. The lifting device at Wabigoon Lift station is also inspected on a yearly basis and can be found in Appendix A.

The Kennedy Road lift station was without power on April 12, 2025, and Public Works staff kept it pumped down via the City’s vacuum truck until power was restored. A similar

situation occurred on July 27, 2025, when the West River Road Lift Station was without power, and Public Works staff responded in like fashion.

Alterations to Collection System

No alterations were made to the Collection System in the 2025 operating year.

Activities to Reduce Overflows & Spills

In this calendar year, approximately \$200,000 was spent on the SCS consisting serviced from capital and operating monies to reduce overflows and spills. These projects included:

Project Name	Expense Type	Location	Value
Sanitary Lateral/Manhole Lining	Repair	City Wide	\$42,000
Van Horn Extension of Services	Design	Wastewater Collection	\$60,000
Duke Street – Casmir to Earl Servicing Upgrades	Design	Wastewater Collection	\$9,000
CCTV Program	Maintenance	City Wide	\$52,000
Wastewater Main Flushing	Maintenance	City Wide	\$1,500

Ensuring that the collection system remains in a good state of repair allows the City to minimize inflow and infiltration of groundwater and extend asset life cycle of the assets which reduces the risk of spills and overflows to the environment.

More Information or Questions

This report is available to the public free of charge to anyone who requests a copy. An electronic copy is available on the City of Dryden’s website, and anyone wanting to be provided a paper copy can make arrangement to pick one up from the City’s Public Works Office. Any concerns or inquiries of this report can be directed to:

Bill Mundy C.E.T.
 Utilities and Environmental Services Manager
 807-223-1407
bmundy@dryden.ca
www.dryden.ca

Appendix A

Maintenance Records

2025 Wabigoon Lift Station
Emergency Generator
Maintenance Log
On Site

★ DONOT USE THIS LOG BOOK UNTIL JAN 1ST 2025 ★

Weekly inspection, test, and maintenance requirements (refer to Table 2 on page 1)

Consumables (No. 1)							Starter system (No. 2)				Signature	Date
Auxiliary supply tank fuel level	Oil level	Coolant level	Check for leaks	Fuel transfer pump	Fuel filter	Electric starter	Air starter					
							Air pressure	Valve leakage	Aux. engine	Bleed condensate		
✓	✓	✓	✓	✓	✓	✓					WJho	01/08/25
✓	✓	✓	✓	✓	✓	✓					M. J. Hoey	1/14/25
✓	✓	✓	✓	✓	✓	✓					WJho	01/22/25
✓	✓	✓	✓	✓	✓	✓					WJho	01/29/25
✓	✓	✓	✓	✓	✓	✓					WJho	02/05/25
✓	✓	✓	✓	✓	✓	✓					WJho	02/12/25

Batteries and charging equipment (No. 3)				Engine (No. 4)			Signature	Date
Electrical connections	Battery terminals	Charger connections	Heater operation	Governor	Fuel pump oil sump	Fan belts		
✓	✓	✓	112°			✓	WJho	01/08/25
✓	✓	✓	117°			✓	M. J. Hoey	1/14/25
✓	✓	✓	120°			✓	WJho	01/22/25
✓	✓	✓	119°			✓	WJho	01/29/25
✓	✓	✓	113°			✓	WJho	02/05/25
✓	✓	✓	109°			✓	WJho	02/17/25

Control panel (No. 5)				Other (Nos. 6 to 9)				Additional requirements, if applicable (see Clause 11.5.2)				Signature	Date
Panel covers	Annunciator lamps	Panel settings	Visual and audible signals	Air control louvres	Emergency lighting	Room temp. (°C)	Room cleanliness and accessibility						
✓	✓	✓	✓	✓	✓	21°	✓	HRS				WJho	01/08/25
✓	✓	✓	✓	✓	✓	20°	✓	306.0				M. J. Hoey	1/14/25
✓	✓	✓	✓	✓	✓	20°	✓	307.6				WJho	01/22/25
✓	✓	✓	✓	✓	✓	21°	✓	" "				WJho	01/29/25
✓	✓	✓	✓	✓	✓	21°	✓	" "				WJho	02/05/25
✓	✓	✓	✓	✓	✓	21°	✓	308.6				WJho	02/12/25

Notes:
 (1) Mark "X" for satisfactory or "O" for unsatisfactory.
 (2) The work described in this Table shall be carried out by a competent person or individuals trained by the system manufacturer.

Weekly inspection, test, and maintenance requirements (refer to Table 2 on page 1)

Consumables (No. 1)						Starter system (No. 2)				Signature	Date	
Auxiliary supply tank fuel level	Oil level	Coolant level	Check for leaks	Fuel transfer pump	Fuel filter	Electric starter	Air starter					
							Air pressure	Valve leakage	Aux. engine			Bleed condensate
2 1/2	✓	✓	✓	✓	✓	✓	 	 	 	 	WJH	FEB 17/25
" "	✓	✓	✓	✓	✓	✓	 	 	 	 	WJH	FEB 26/25
" "	✓	✓	✓	✓	✓	✓	 	 	 	 	WJH	MAR 5/25
" "	✓	✓	✓	✓	✓	✓	 	 	 	 	WJH	MAR 12/25
" "	✓	✓	✓	✓	✓	✓	 	 	 	 	WJH	MAR 19/25
2 3/8	✓	✓	✓	✓	✓	✓	 	 	 	 	WJH	MAR 26/25

Batteries and charging equipment (No. 3)				Engine (No. 4)			Signature	Date
Electrical connections	Battery terminals	Charger connections	Heater operation	Governor	Fuel pump oil sump	Fan belts		
✓	✓	✓	123° ✓	 	 	✓	WJH	FEB 17/25
✓	✓	✓	123°	 	 	✓	WJH	FEB 26/25
✓	✓	✓	121°	 	 	✓	WJH	MAR 5/25
✓	✓	✓	123°	 	 	✓	WJH	MAR 12/25
✓	✓	✓	127°	 	 	✓	WJH	MAR 19/25
✓	✓	✓	114°	 	 	✓	WJH	MAR 26/25

Control panel (No. 5)				Other (Nos. 6 to 9)				Additional requirements, if applicable (see Clause 11.5.2)				Signature	Date
Panel covers	Annunciator lamps	Panel settings	Visual and audible signals	Air control louvres	Emergency lighting	Room temp. (°C)	Room cleanliness and accessibility						
✓	✓	✓	✓	✓	✓	20°	✓	HRS				WJH	FEB 17/25
✓	✓	✓	✓	✓	✓	21°	✓	308.6				WJH	FEB 26/25
✓	✓	✓	✓	✓	✓	21°	✓	" "				WJH	MAR 5/25
✓	✓	✓	✓	✓	✓	21°	✓	" "				WJH	MAR 12/25
✓	✓	✓	✓	✓	✓	21°	✓	309.6				WJH	MAR 19/25
✓	✓	✓	✓	✓	✓	20.0	✓	309.6				WJH	MAR 26/25

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Weekly inspection, test, and maintenance requirements (refer to Table 2 on page 1)

Consumables (No. 1)						Starter system (No. 2)				Signature	Date	
Auxiliary supply tank fuel level	Oil level	Coolant level	Check for leaks	Fuel transfer pump	Fuel filter	Electric starter	Air starter					
							Air pressure	Valve leakage	Aux. engine			Bleed condensate
✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	W.A.H.	APR 3/25
✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	B.S.	Apr 17/25
✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	W.A.H.	APR 16/25
✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	W.A.H.	APR 23/25
✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	W.A.H.	APR 30/25
✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	W.A.H.	MAY 7/25

Batteries and charging equipment (No. 3)				Engine (No. 4)			Signature	Date
Electrical connections	Battery terminals	Charger connections	Heater operation	Governor	Fuel pump oil sump	Fan belts		
✓	✓	✓	121°	✓	✓	✓	W.A.H.	APR 3/25
✓	✓	✓	121°	✓	✓	✓	B.S.	04-07-25
✓	✓	✓	124°	✓	✓	✓	W.A.H.	APR 16/25
✓	✓	✓	115°	✓	✓	✓	W.A.H.	APR 23/25
✓	✓	✓	124°	✓	✓	✓	W.A.H.	APR 30/25
✓	✓	✓	126°	✓	✓	✓	W.A.H.	MAY 7/25

Control panel (No. 5)				Other (Nos. 6 to 9)				Additional requirements, if applicable (see Clause 11.5.2)				Signature	Date
Panel covers	Annunciator lamps	Panel settings	Visual and audible signals	Air control louvres	Emergency lighting	Room temp. (°C)	Room cleanliness and accessibility						
✓	✓	✓	✓	✓	✓	20.0	✓	309.6	✓	✓	✓	W.A.H.	APR 3/25
✓	✓	✓	✓	✓	✓	20.0	✓	309.6	✓	✓	✓	B.S.	04-07-25
✓	✓	✓	✓	✓	✓	20.0	✓	30.6	✓	✓	✓	W.A.H.	APR 16/25
✓	✓	✓	✓	✓	✓	20.0	✓	30.6	✓	✓	✓	W.A.H.	APR 23/25
✓	✓	✓	✓	✓	✓	18°	✓	310.6	✓	✓	✓	W.A.H.	APR 30/25
✓	✓	✓	✓	✓	✓	17°	✓	310.6	✓	✓	✓	W.A.H.	MAY 7/25

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Weekly inspection, test, and maintenance requirements (refer to Table 2 on page 1)

Consumables (No. 1)							Starter system (No. 2)				Signature	Date
Auxiliary supply tank fuel level	Oil level	Coolant level	Check for leaks	Fuel transfer pump	Fuel filter	Electric starter	Air starter					
							Air pressure	Valve leakage	Aux. engine	Bleed condensate		
✓	✓	✓	✓	✓	✓	✓					W. Hoey	05/14/25
✓	✓	✓	✓	✓	✓	✓					BS	05/19/25
X	X	X	X	X	X	X	X	X	X	X	M. Murphy	5/26/25
310	✓	✓	✓	✓	✓	✓					W. Hoey	6/4/25
✓	✓	✓	✓	✓	✓	✓					W. Hoey	6/11/25
X	X	X	X	X	X	X					M. Murphy	6/17/25

Batteries and charging equipment (No. 3)				Engine (No. 4)			Signature	Date
Electrical connections	Battery terminals	Charger connections	Heater operation	Governor	Fuel pump oil sump	Fan belts		
✓	✓	✓	114°			✓	W. Hoey	05/14/25
✓	✓	✓	107°			✓	BS	05/19/25
X	X	X	X			X	M. Murphy	5/26/25
✓	✓	✓	127°			✓	W. Hoey	6/04/25
✓	✓	✓	123°			✓	W. Hoey	6/11/25
X	X	X	111°			X	M. Murphy	6/17/25

Control panel (No. 5)				Other (Nos. 6 to 9)				Additional requirements, if applicable (see Clause 11.5.2)			Signature	Date
Panel covers	Annunciator lamps	Panel settings	Visual and audible signals	Air control louvres	Emergency lighting	Room temp. (°C)	Room cleanliness and accessibility					
✓	✓	✓	✓	✓	✓	28°	✓	HS			W. Hoey	05/14/25
✓	✓	✓	✓	✓	✓	23	X	310.6			BS	05/19/25
X	X	X	X	X	X	23	X	310.6			M. Murphy	5/26/25
✓	✓	✓	✓	✓	✓	20°	✓	311.6			W. Hoey	6/04/25
✓	✓	✓	✓	✓	✓	20°	✓	311.6			W. Hoey	6/11/25
X	X	X	X	X	X	21°	X	311.6			M. Murphy	6/17/25

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Weekly inspection, test, and maintenance requirements (refer to Table 2 on page 1)

Consumables (No. 1)							Starter system (No. 2)				Signature	Date
Auxiliary supply tank fuel level	Oil level	Coolant level	Check for leaks	Fuel transfer pump	Fuel filter	Electric starter	Air starter					
							Air pressure	Valve leakage	Aux. engine	Bleed condensate		
3/8	✓	✓	✓	✓	✓	✓	XXXXXXXXXX	XXXXXXXXXX	XXXXXXXXXX	XXXXXXXXXX	AD	06/23/25
3/8	✓	✓	✓	✓	✓	CC					06/30/25	
" "	✓	✓	✓	✓	✓	WJHo					07/09/25	
X	X	X	X	X	X	MPH					7/14/25	
✓	✓	✓	✓	✓	✓	WJHo					07/23/25	
✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	WJHo	07/30/25

Batteries and charging equipment (No. 3)				Engine (No. 4)			Signature	Date
Electrical connections	Battery terminals	Charger connections	Heater operation	Governor	Fuel pump oil sump	Fan belts		
✓	✓	✓	✓	XXXXXXXXXX	XXXXXXXXXX	✓	AD	06/23/25
✓	✓	✓	✓			✓	CC	06/30/25
✓	✓	✓	106°			✓	WJHo	07/09/25
X	X	X	119°			X	MPH	7/14/25
✓	✓	✓	110°			✓	WJHo	07/23/25
✓	✓	✓	✓	✓	✓	✓	WJHo	07/30/25

Control panel (No. 5)				Other (Nos. 6 to 9)			Additional requirements, if applicable (see Clause 11.5.2)				Signature	Date		
Panel covers	Annunciator lamps	Panel settings	Visual and audible signals	Air control louvres	Emergency lighting	Room temp. (°C)	Room cleanliness and accessibility							
✓	✓	✓	✓	✓	✓	23°	✓	312.6	XXXXXXXXXX	XXXXXXXXXX	XXXXXXXXXX	XXXXXXXXXX	AD	06/23/25
✓	✓	✓	✓	✓	✓	26°	✓	312.6					CC	06/30/25
✓	✓	✓	✓	✓	✓	23°	✓	" "					WJHo	07/09/25
X	X	X	X	X	X	210	X	312.6					MPH	7/14/25
✓	✓	✓	✓	✓	✓	23°	✓	315.6					WJHo	07/23/25
✓	✓	✓	✓	✓	✓	23°	✓	" "	✓	✓	✓	✓	WJHo	07/30/25

Notes:

- (1) Mark "X" for satisfactory or "O" for unsatisfactory.
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Weekly inspection, test, and maintenance requirements (refer to Table 2 on page 1)

Consumables (No. 1)							Starter system (No. 2)				Signature	Date
Auxiliary supply tank fuel level	Oil level	Coolant level	Check for leaks	Fuel transfer pump	Fuel filter	Electric starter	Air starter					
							Air pressure	Valve leakage	Aux. engine	Bleed condensate		
1/8	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	R	Aug 6/25
1/11	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	R	Aug 13/25
" "	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	WAL	Aug 20/25
" "	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	R	Aug 26/25
" "	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	BS	Sep 1/25
" "	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	WAL	Sept 10/25

Batteries and charging equipment (No. 3)				Engine (No. 4)			Signature	Date
Electrical connections	Battery terminals	Charger connections	Heater operation	Governor	Fuel pump oil sump	Fan belts		
✓	✓	✓	113°	✓	✓	✓	R	Aug 6/25
✓	✓	✓	111°	✓	✓	✓	R	Aug 13/25
✓	✓	✓	112°	✓	✓	✓	WAL	Aug 20/25
✓	✓	✓	116°	✓	✓	✓	R	Aug 26/25
✓	✓	✓	115°	✓	✓	✓	BS	Sep 1/25
✓	✓	✓	107°	✓	✓	✓	WAL	Sept 10/25

Control panel (No. 5)				Other (Nos. 6 to 9)				Additional requirements, if applicable (see Clause 11.5.2)			Signature	Date
Panel covers	Annunciator lamps	Panel settings	Visual and audible signals	Air control louvres	Emergency lighting	Room temp. (°C)	Room cleanliness and accessibility					
✓	✓	✓	✓	✓	✓	25	✓	11-5	✓	✓	R	Aug 6/25
✓	✓	✓	✓	✓	✓	22	✓	315.6	✓	✓	R	Aug 13/25
✓	✓	✓	✓	✓	✓	23	✓	" "	✓	✓	WAL	Aug 20/25
✓	✓	✓	✓	✓	✓	22	✓	316.6	✓	✓	R	Aug 26/25
✓	✓	✓	✓	✓	✓	29	✓	" "	✓	✓	BS	Sep 1/25
✓	✓	✓	✓	✓	✓	21	✓	" "	✓	✓	WAL	Sept 10/25

Notes:

- (1) Mark "X" for satisfactory or "O" for unsatisfactory.
- (2) The work described in this Table shall be carried out by a competent person or individuals trained by the system manufacturer.

Weekly inspection, test, and maintenance requirements (refer to Table 2 on page 1)

Consumables (No. 1)							Starter system (No. 2)				Signature	Date
Auxiliary supply tank fuel level	Oil level	Coolant level	Check for leaks	Fuel transfer pump	Fuel filter	Electric starter	Air starter					
							Air pressure	Valve leakage	Aux. engine	Bleed condensate		
X	X	X	X	X	X	X						9/17/25
✓	✓	✓	✓	✓	✓	✓					WJH	Sept 23/25
✓	✓	✓	✓	✓	✓	✓					WJH	Oct 1/25
5/8	✓	✓	✓	✓	✓	✓					WJH	10/6/25
	✓	✓	✓	✓	✓	✓					CR	Oct 14/25
	✓	✓	✓	✓	✓	✓					WJH	Oct 23/25

Batteries and charging equipment (No. 3)			Engine (No. 4)				Signature	Date
Electrical connections	Battery terminals	Charger connections	Heater operation	Governor	Fuel pump oil sump	Fan belts		
X	X	X	X			X		9/17/25
✓	✓	✓	112°			✓	WJH	Sept 23/25
✓	✓	✓	104°			✓	WJH	Oct 1/25
X	X	X	X			✓	M...	10/6/25
✓	✓	✓	121°			✓	CR	Oct 14/25
✓	✓	✓	112°			✓	WJH	Oct 23/25

Control panel (No. 5)				Other (Nos. 6 to 9)				Additional requirements, if applicable (see Clause 11.5.2)				Signature	Date	
Panel covers	Annunciator lamps	Panel settings	Visual and audible signals	Air control louvres	Emergency lighting	Room temp. (°C)	Room cleanliness and accessibility							
X	X	X	X	X	X	X	X	125						9/17/25
✓	✓	✓	✓	✓	✓	24.0	✓	317.6					WJH	Sept 23/25
✓	✓	✓	✓	✓	✓	20.0	✓	u u					WJH	Oct 1/25
X	X	X	X	X	X	20.0	X	317.6					WJH	10/6/25
✓	✓	✓	✓	✓	✓	17.2	✓	u u					CR	Oct 14/25
✓	✓	✓	✓	✓	✓	19.0	✓	318.5					WJH	Oct 23/25

Notes:

- (1) Mark "X" for satisfactory or "O" for unsatisfactory.
- (2) The work described in this Table shall be carried out by a competent person or individuals trained by the system manufacturer.

Weekly inspection, test, and maintenance requirements (refer to Table 2 on page 1)

Consumables (No. 1)						Starter system (No. 2)				Signature	Date
Auxiliary supply tank fuel level	Oil level	Coolant level	Check for leaks	Fuel transfer pump	Fuel filter	Electric starter	Air starter				
							Air pressure	Valve leakage	Aux. engine		
2318	✓	✓	✓	✓	✓	✓	✓	✓	✓	WAL	Oct 29/25
M U	✓	✓	✓	✓	✓	✓	✓	✓	✓	WAL	Nov 5/25
"	✓	✓	✓	✓	✓	✓	✓	✓	✓	BS	Nov 10/25
"	✓	✓	✓	✓	✓	✓	✓	✓	✓	BS	Nov 17/25
"	✓	✓	✓	✓	✓	✓	✓	✓	✓	BS	Nov 25/25
"	✓	✓	✓	✓	✓	✓	✓	✓	✓	WAL	12-03/25

Batteries and charging equipment (No. 3)				Engine (No. 4)			Signature	Date
Electrical connections	Battery terminals	Charger connections	Heater operation	Governor	Fuel pump oil sump	Fan belts		
✓	✓	✓	114°	✓	✓	✓	WAL	Oct 29/25
✓	✓	✓	121°	✓	✓	✓	WAL	Nov 5/25
✓	✓	✓	126°	✓	✓	✓	BS	Nov 10/25
✓	✓	✓	119°	✓	✓	✓	BS	Nov 17/25
✓	✓	✓	113°	✓	✓	✓	BS	Nov 25/25
✓	✓	✓	115°	✓	✓	✓	WAL	12-03/25

Control panel (No. 5)				Other (Nos. 6 to 9)			Additional requirements, if applicable (see Clause 11.5.2)			Signature	Date	
Panel covers	Annunciator lamps	Panel settings	Visual and audible signals	Air control louvres	Emergency lighting	Room temp. (°C)	Room cleanliness and accessibility					
✓	✓	✓	✓	✓	✓	25.0	✓	ARS	318.5	✓	WAL	Oct 29/25
✓	✓	✓	✓	✓	✓	23.0	✓	" "	" "	✓	WAL	Nov 5/25
✓	✓	✓	✓	✓	✓	21.4	✓	" "	" "	✓	BS	Nov 10/25
✓	✓	✓	✓	✓	✓	21.5	✓	318.7	318.7	✓	BS	Nov 17/25
✓	✓	✓	✓	✓	✓	22	✓	319.6	319.6	✓	BS	Nov 25/25
✓	✓	✓	✓	✓	✓	20°	✓	319.6	319.6	✓	WAL	12-03/25

Notes:

- (1) Mark "X" for satisfactory or "O" for unsatisfactory.
- (2) The work described in this Table shall be carried out by a competent person or individuals trained by the system manufacturer.

★ DO NOT USE THIS LOG PAST DEC 31ST 2025 ★

Weekly inspection, test, and maintenance requirements (refer to Table 2 on page 1)

Consumables (No. 1)							Starter system (No. 2)				Signature	Date
Auxiliary supply tank fuel level	Oil level	Coolant level	Check for leaks	Fuel transfer pump	Fuel filter	Electric starter	Air starter					
							Air pressure	Valve leakage	Aux. engine	Bleed condensate		
L3/B	✓	✓	✓	✓	✓	✓					W/Ho	12/10/25
L3/B	✓	✓	✓	✓	✓	✓					W/Ho	12/17/25
L3/B	✓	✓	✓	✓	✓	✓					Bz	12/22/25
114	✓	✓	✓	✓	✓	✓					W/Ho	12/31/25

Batteries and charging equipment (No. 3)				Engine (No. 4)			Signature	Date
Electrical connections	Battery terminals	Charger connections	Heater operation	Governor	Fuel pump oil sump	Fan belts		
✓	✓	✓	128°			✓	W/Ho	12/10/25
✓	✓	✓	125°			✓	W/Ho	12/17/25
✓	✓	✓	129°			✓	Bz	12/22/25
✓	✓	✓	116°			✓	W/Ho	12/31/25

Control panel (No. 5)				Other (Nos. 6 to 9)			Additional requirements, if applicable (see Clause 11.5.2)				Signature	Date	
Panel covers	Annunciator lamps	Panel settings	Visual and audible signals	Air control louvres	Emergency lighting	Room temp. (°C)	Room cleanliness and accessibility						
✓	✓	✓	✓	✓	✓	19.42	✓	#PS	319.6			W/Ho	12/10/25
✓	✓	✓	✓	✓	✓	19°	✓		320.6			W/Ho	12/17/25
✓	✓	✓	✓	✓	✓	18.7			11			Bz	12/22/25
✓	✓	✓	✓	✓	✓	18.3			11			W/Ho	12/31/25

Notes:

- (1) Mark "X" for satisfactory or "O" for unsatisfactory.
- (2) The work described in this Table shall be carried out by a competent person or individuals trained by the system manufacturer.

Monthly (weekly in health care facilities) inspection, test, and maintenance requirements (refer to Table 3 on page 1)

No. 1	Complete system test (No. 2)								No. 3	Batteries and charging equipment (No. 4)		Nos. 5 to 7			Signature	Date
	Weekly items	Failure simulation	Battery charger output	40% load test for 60 min	Transfer switches	Brush operation	Bearing seals	Auxiliary equipment		Exhaust condensate trap	Block heater hoses & wires	Electrolyte fill level *	Electrolyte-specific gravity *	Defects found		
X	X	X	X	X	X	X	X	X	X	X	X	NO	NO	X	AA	Jan 14/25
X	X	X	X	X	X	X	X	X	X	X	X	NO	NO	X	AA	Feb 11/25
X	X	X	X	X	X	X	X	X	X	X	X	NO	NO	X	AA	Mar 17/25
X	X	X	X	X	X	X	X	X	X	X	X	NO	NO	X	AA	Apr 7/25
X	X	X	X	X	X	X	X	X	X	X	X	NO	NO	X	AA	May 26/25
X	X	X	X	X	X	X	X	X	X	X	X	NO	NO	X	AA	Jun 17/25
X	X	X	X	X	X	X	X	X	X	X	X	NO	NO	X	AA	Jul 14/25
X	X	X	X	X	X	X	X	X	X	X	X	NO	NO	X	AA	Aug 11/25
X	X	X	X	X	X	X	X	X	X	X	X	NO	NO	X	AA	Sep 17/25
X	X	X	X	X	X	X	X	X	X	X	X	NO	NO	X	AA	Oct 6/25
X	X	X	X	X	X	X	X	X	X	X	X	NO	NO	X	AA	Nov 18/25
X	X	X	X	X	X	X	X	X	X	X	X	NO	NO	X	AA	Dec 11/25

Instrument readings (No. 2(h)) (identify each instrument in box at top of each column)															Signature	Date
ON	OFF	OIL P	COOLANT	BATV	R.P.N	LN1V	LN2V	LN3V	L1A	L2A	L3A	HZ				
306.6	307.6	68	170°	13.9	1801	347	347	345	46	50	48	60.1			AA	Jan 14/25
307.6	308.6	61	168°	13.8	1801	352	352	351	44	48	47	60.1			AA	Feb 11/25
308.6	309.4	66	165	13.9	1801	352	352	350	46	47	47	60.1			AA	Mar 17/25
309.6	310.6	65	168	13.8	1801	350	351	349	45	50	48	60.1			AA	Apr 7/25
310.6	311.6	64	169°	13.9	1800	350	351	349	43	47	47	60.1			AA	May 26/25
311.6	312.6	64	167°	13.8	1801	350	350	349	7	10	11	60.1			AA	Jun 17/25
312.6	313.6	64	168°	13.8	1801	350	351	349	47	50	47	60.1			AA	Jul 14/25
315.6	316.5	65	169	13.9	1800	349	350	349	43	47	46	60.1			AA	Aug 14/25
316.5	317.5	63	169	13.8	1801	350	350	349	46	46	47	60.1			AA	Sep 17/25
317.5	318.5	68	168	13.8	1801	352	352	351	42	46	45	60.1			AA	Oct 6/25
318.6	319.5	72	169	13.8	1801	351	351	350	42	46	46	60.1			AA	Nov 18/25
319.5	320.6	62	167	13.7	1801	351	354	354	43	47	45	60.1			AA	Dec 11/25

*Applicable to vented or flooded lead acid batteries only.

Notes:

- (1) Mark "X" for satisfactory or "O" for unsatisfactory.
- (2) The work described in this Table shall be carried out by a competent person or individuals trained by the system manufacturer.

Annual inspection, test, and maintenance requirements — Sheet #1 (refer to Table 5 on page 2)

No. 1	Control panel (No. 2)									Signature	Date	
	Weekly, monthly, and semi-annual items	Electrical connections	Breaker operation	Insulators and bushings	Voltage regulator	Operate moving parts	Clean and dress contacts	Remove dust	Gauge calibration			Valve rotation and audible alarm
	X	X	X	NA	X	X	X	X	X	X	<i>[Signature]</i>	July 16, 2021

Engine (No. 3)												Signature	Date
Change engine oil and filters	Coolant strength and inhibitors	Change fuel filters etc.	Inspect and clean exhaust system	Clean and lubricate linkages	Inspect air filters	Inspect mechanical connections	Inspect electrical connections	Inspect heat exchanges	Inspect belts and hoses	Test and inspect ignition system(s)	Inspect coolant pump(s)		
X	X	X	X	X	X	X	X	X	X	NA	X	<i>[Signature]</i>	July 16, 2021

- Notes:**
 (1) Mark "X" for satisfactory or "O" for unsatisfactory.
 (2) The work described in this Table shall be carried out by a competent person or individuals trained by the system manufacturer.

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Annual inspection, test, and maintenance requirements — Sheet #2 (refer to Table 5 on page 2)

Diesel fuel storage tank(s) (No. 4)			Generator (No. 5)								Signature	Date
Test fuel oil (clear and bright test)	Chemical test for water	If fuel oil test fails: drain and refill fuel tanks or full filter fuel	Suppressor and rectifier	Grease bearings	Commutator and slip rings	Rotor and stator windings	Coupling bolts and alignment	Conduits (tightness)	Windings	Electrical connections		
X	X	X	NA	X	NA	X	X	X	X	X	[Signature]	July 16, 2015

Overcurrent protective devices (No. 6)			Transfer switches (No. 7)					Signature	Date
Electrical isolation	Remove dust	Test devices for proper operation	Electrical connections	Operate moving parts	Clean and dress contacts	Remove dust	Clean and lubricate linkages		
X	X	X	X	X	X	X	X	[Signature]	July 16, 2015

- Notes:**
 (1) Mark "X" for satisfactory or "O" for unsatisfactory.
 (2) The work described in this Table shall be carried out by a competent person or individuals trained by the system manufacturer.

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Annual inspection, test, and maintenance requirements — Sheet #3 (refer to Table 5 on page 2)

Infrared thermal imaging (No. 8)									Signature	Date
40% site load			40% site load pre-cable connection			Full load				
Electrical connections	Contacts	Energized components	Electrical connections	Contacts	Energized components	Electrical connections	Contacts	Energized components		
X	X	X	X	X	X	X	X	X	JA	July 16, 2025

No. 9	No. 10	No. 11	Defects found	Defects corrected	Signature	Date
Lubricate door locks and hinges	2 h full load test	Review and provide instructions				
X	X	X			JA	July 16, 2025

Notes:

- (1) Mark "X" for satisfactory or "O" for unsatisfactory.
- (2) The work described in this Table shall be carried out by a competent person or individuals trained by the system manufacturer.

24

X

WAB DRIVE
2025

 POWER SYSTEMS LTD.	GAL POWER SYSTEMS THUNDER BAY LTD. 219 Hardisty Street North, Thunder Bay, ON, P7C 3G8 PHONE 807-346-6888 FAX 807-346-0696		WO#: 1055574 CUSTOMER #: 800291 DATE: 07/16/2025 10:00 AM END: 07/16/2025 12:00 PM HOUR METER START: 364.6 HOUR METER STOP: 366.6	
	Annual			
	CUSTOMER INFORMATION			
	CUSTOMER ADDRESS	GENERATOR	ALTERNATOR	ENGINE
	City of Dryden-Wabigoon Lift Station	MAKE: Caterpillar MODEL: D125P1 SN: OYL0000LNA101748	na	Perkins 2332 U868237

NAME: Merv Hoey	REASON FOR SERVICE
PH#: 8072219148	Annual

GENERAL INSPECTION (WEEKLY / MONTHLY / QUARTERLY)							BATTERY INSPECTION			
							MAINTENANCE-FREE? Yes			
VISUAL	READING	OPERATION	MANUAL	OK	NA	BATTERY 1		BATTERY 2		
						CELL	S.G.	CELL	S.G.	
FUEL LEVEL DAY TANK	na	FUEL TRANSFER PUMP			✓	1		1		
FUEL LEVEL MAIN TANK	3/8	TRANSFER PUMP CONTROLS			✓	2		2		
2 HR CAPACITY IN TANK YES/NO	Yes	VENTILATION SYSTEM		✓		3		3		
FUEL LINE CONDITION	ok	DRAIN EXHAUST SYSTEM		✓		4		4		
OIL LEVEL	full	GENERATOR	READING			5		5		
CRANKCASE BREATHER	ok	VOLTAGE	600	Vac		6		6		
COOLANT LEVEL	full	FREQUENCY	60	Hz		TEST	A	TEST	A	
COOLANT CONDITION	ok	AMPERAGE L1	120	A		TEST	V	TEST	V	
RADIATOR CONDITION/CLEAN	ok	AMPERAGE L2	120	A		BATTERY 3		BATTERY 4		
ALL HOSES	ok	AMPERAGE L3	120	A		1		1		
OPERATIONAL BLOCK HEATER	ok	ENGINE TEMP.	186°F			2		2		
AIR FILTER	ok	OIL PRESSURE	50 Psi			3		3		
FAN BELT CONDITION/TIGHTNESS	ok	BATTERY	14	V		4		4		
VIBRATION MOUNTS	ok	DC CHARGING AMPS	6			5		5		
TRANSFER SWITCH VISUAL	ok	EXHAUST TEMP. LEFT	na			6		6		
LINKAGES	ok	EXHAUST TEMP. CENTRE	600°F			TEST	A	TEST	A	
STARTER CONNECTION	ok	EXHAUST TEMP. RIGHT	na			TEST	V	TEST	V	
BATTERY FLOAT LEVEL	12.8	ROOM TEMP.	20°C							
BATTERY CHARGE RATE	.6				YES NO					
		TRANSFER TEST PERFORMED			✓					
		30% LOAD ACHIEVED			✓					

SEMI-ANNUAL INSPECTION (INCLUDES GENERAL INSPECTION)					
	YES	NO		YES	NO
OIL SAMPLE		✓	TEST SAFETIES	✓	
CLEAN BATT. CONNECTIONS	✓		INSPECT EXHAUST SYSTEM	✓	
INSPECT BATTERY CONNECTIONS	✓				

ANNUAL INSPECTION (INCLUDES GENERAL INSPECTION)					
	YES	NO		YES	NO
OIL CHANGE		✓	INSPECT BREAKERS	✓	
OIL FILTER CHANGE		✓	INSPECT VOLTAGE REGULATOR	✓	
FUEL FILTER CHANGE		✓	CALIBRATION OF GAUGES	✓	
LOAD TEST PERFORMED	✓		CLEAN PANELS	✓	
FUEL FILTERING PERFORMED		✓	INSPECT ELECTRICAL CONNECTIONS	✓	
			INSPECT ATS CONTACTS	✓	
FUEL CLEAR AND BRIGHT TEST PERFORMED	Yes		Pass		VOLTAGE AFTER 2X CRANK 12

WORK PERFORMED/RECOMMENDATIONS

Annual

No transfer test just a full two hour load test performed

DOES INSPECTION CONFORM TO CSA 282: Yes.

ADDITIONAL PARTS USED

none

	Yes	No		Yes	No
Fire Log Book Entry		✓	Generator Log Book Entry	✓	
Unit in Auto	✓		Battery Charger On	✓	
Alarms Cleared on All Panels	✓		Repair Recommendation		✓

SIGNATURE FOR RECEPTION OF SERVICE

JH

GAL TECHNICIAN

Merv
CUSTOMER ON SITE

Josh Smith
CUSTOMER SIGNATURE

Josh Smith

Findings and Actions (3 Assets)

	Wabigoon Drive lift station		
	Monorail system - 1 trolley manual chain hoist		
Manufacturer	INGERSOL RAND	Model	VL2-010
Serial Number	09481		
Capacity/SWL	1t		
<hr/>			
Service Products	Routine Maintenance & MAINMAN Assessment		

	✓ / !	Comment
Maintenance log book	✓	

✓ **Markings** – Visual assessment

✓ **Documentation** – Visual assessment

Trolley

Structure

✓ **Trolley intermediate structure** – Visual assessment

Trolley side 1

✓ **Trolley side structure** – Visual assessment

✓ **Trolley wheel** – Visual assessment, Lubricate, Operational assessment

✓ **Trolley wheel** – Visual assessment, Lubricate, Operational assessment

Trolley side 2

✓ **Trolley side structure** – Visual assessment

✓ **Trolley wheel** – Visual assessment, Lubricate, Operational assessment

✓ **Trolley wheel** – Visual assessment, Lubricate, Operational assessment

✓ **Frame** – Visual assessment

✓ **Hanging hook** – Visual assessment, Operational assessment

Hoisting machinery

✓ **Hoisting gear** – Visual assessment, Lubricate, Operational assessment

✓ **Hand chain gear** – Visual assessment, Operational assessment

!	Hand chain	Quote
Date Reported:	Jan 21, 2025	
Technician:	Eirik Chiodo	
Task Type:	Visual assessment	
Fault Code:	Dirt, rust or corrosion	
Risk:	Safety Risk	
Recommendation:	Replace	
Comment:	During inspection observed the hand chain is showing signs of significant rust and should be replaced.	

✓ **Hoisting brake - holding** – Visual assessment, Adjust, Clean, Operational assessment

✓ **Chain container** – Visual assessment

✓ **Chain guide** – Visual assessment, Operational assessment

✓	Chain	Repaired
Date Reported:	Jan 21, 2025	
Technician:	Eirik Chiodo	
Task Type:	Visual assessment	
Fault Code:	Dirt, rust or corrosion	
Risk:	Safety Risk	
Recommendation:	Lubrication Maintenance	
Comment:	During inspection observed the load chain is showing signs of rust and corrosion, applied fresh lubricant to chain to alleviate the issue. Will continue to monitor to see if replacement is required.	

Hook block

✓ **Hook block structure and markings** – Visual assessment

✓ **Chain wheel** – Visual assessment, Lubricate, Operational assessment

✓ **Crosshead** – Visual assessment, Operational assessment

✓ **Thrust ball bearing** – Lubricate, Operational assessment

✓ **Hook forging** – Visual assessment

✓ **Latch** – Visual assessment, Operational assessment

Runway

Beam

✓ **End stops** – Visual assessment

✓ **Suspension 1** – Visual assessment

✓ **Suspension 2** – Visual assessment