

# St Andrews/ Rosedale Terrace Distribution System

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Waterworks # 260001250  
System Category – Large Municipal Residential

## Annual Water Report

Prepared For: Township of South Stormont

Reporting Period of January 1<sup>st</sup> – December 31<sup>st</sup> 2025

Issued: February 27, 2026

Revision: 0

Operating Authority:



This report has been prepared to satisfy the annual reporting requirements in O.Reg 170/03 Section 11 and Schedule 22

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## Revision History

Date	Revision #	Revision Notes
February 27, 2026	0	Issued Annual Report

## Report Availability

This system does not serve more than 10,000 residence and the annual reports will be available to residents at the Township of South Stormont municipal office, located at 2 Mille Roches Road, Long Sault, ON. The report is also available on the Township website ([www.southstormont.ca](http://www.southstormont.ca)).

## Compliance Report Card

Compliance Event	# of Events
Ministry of Environment Inspections	- February 13, 2025 – Final Inspection Rating 98.84%
Ministry of Labour Inspections	0
QEMS External Audit	- April 7, 2025 On Site and February 17, 2025 Desktop (Treatment) - September 19, 2025 On Site and November 28, 2025 Desktop (Distribution)
AWQI's/BWA	0
Non-Compliance	0
Community Complaints	0
Spills	0
Watermain Breaks	- 4 Watermain Breaks

## System Process Description

### Raw Source

The St. Andrew's/Rosedale system receives treated water from the City of Cornwall. Treated water enters the system from the Cornwall Distribution System at two points, one on Mack Street and one at the corner of Highway 138 and Cornwall Centre Road. Each of these locations contains a metering chamber, which is owned and monitored by the City of Cornwall. In each of these metering chambers, a system of check valves has been installed to prevent backflow into the Cornwall Distribution System.

## Treatment

The booster station includes two (2) vertical in-line centrifugal pumps (one duty, one standby). Each pump is rated at approximately 10.4 l/s at a TDH of 12.5 m. Disinfection is provided by a sodium hypochlorite system, with automatic switchover consisting of two (2) solution feed pumps and tank with spill containment. Back-up power provided through a connection to portable diesel unit.

### Treatment Chemicals used during the reporting year:

Chemical Name	Use	Supplier
Sodium Hypochlorite	Disinfection	Sodrox

## Distribution

The elevated storage tank is located on the south side of County Road 18. It has a ground elevation of 71.5 metres, an overflow elevation of 120.3 metres, and a diameter of 9.4 metres. The effective capacity is 770 m<sup>3</sup>. The tank is fed and emptied via a 200 mm diameter riser, and is equipped with a pressure sensor which sends signals to the lift station to turn the pumps on or off.

## Summary of Non-Compliance

### Adverse Water Quality Incidents

Date	AWQI #	Location	Problem	Details	Legislation	Corrective Action Taken
None during reporting period.						

### Non-Compliance

Legislation	Requirement(s) system failed to meet	Duration of the failure (i.e. date(s))	Corrective Action	Status
None during reporting period.				

### Non-Compliance Identified in a Ministry Inspection:

Legislation	Requirement(s) system failed to meet	Duration of the failure	Corrective Action	Status
170/03	DWSPi form was not complete within 10 days of change in Township staff	04/22/25	Submitted form	Complete

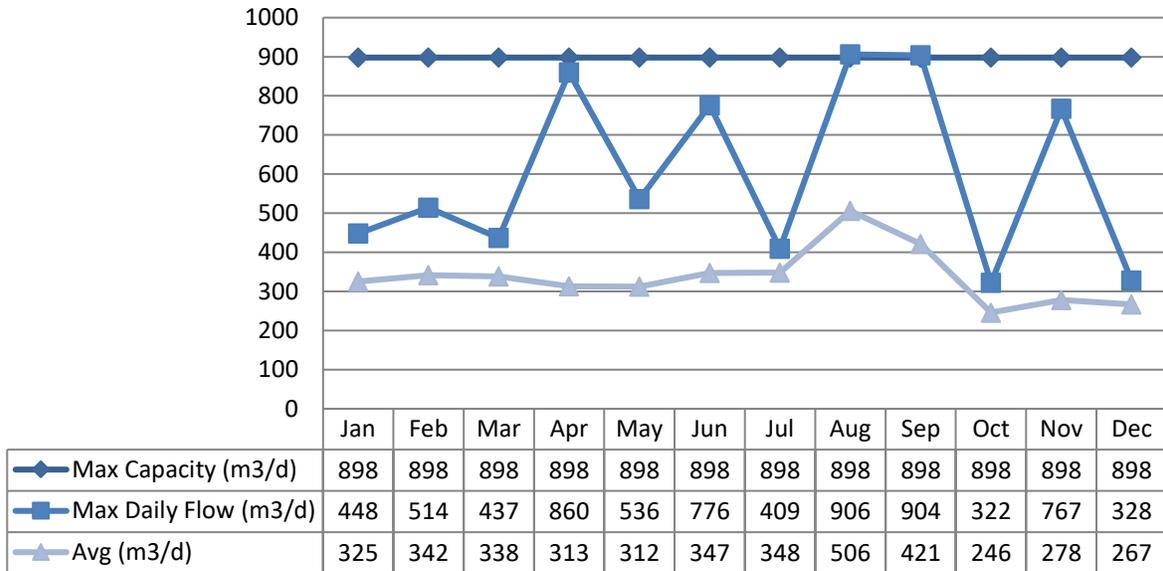
## Flows

### Treated Water Flows

The Treated Water flows are regulated under the Municipal Licence.

#### Treated Flows

Rated Capacity - MDWL



\*High treated flows were due to a water main break that was repaired on September 9, 2025.

## Regulatory Sample Results Summary

### Microbiological Testing

	# Samples Collected	Range of E.Coli Results		Range of Total Coliform Results		Number of HPC Samples	Range of HPC Results	
		Min	Max	Min	Max		Min	Max
TW	114	0	0	0	0	49	2	4

### Operational Testing

Parameter & Sample Type	No. of Samples Collected	Range of Results	
		Minimum	Maximum
Free Chlorine Residual; DW Field (mg/L) Lab Upload- DW	114	0.42	2.00
Free Chlorine Residual; In-House (mg/L)- DW	135	0.10	2.00
Free Chlorine Residual; In-House (mg/L)- PosD	105	0.54	2.78

NOTE: spikes recorded by on-line instrumentation were a result of air bubbles and various maintenance/calibration activities. All spikes are reviewed for compliance with O.Reg 170/03

## Inorganic Parameters

These parameters are tested as a requirement under 170/03. In the event any of the parameters exceed half of the maximum allowable concentration the parameter is required to be sampled quarterly.

### Schedule 15 Sampling:

The Schedule 15 Sampling is required under O.Reg 170/03. The Lead Sample was taken April 14, 2025.

Distribution System	Number of Sampling Points	Number of Samples	Range of Results		MAC (ug/L)	Number of Exceedances
			Minimum	Maximum		
Alkalinity (mg/L)	4	4	91	94	N/A	N/A
Lead - Pb: (µg/l)	2	2	0.64	0.88	10	0
pH	4	4	7.49	8.10	N/A	N/A'

## Organic Parameters

These parameters are tested annually as a requirement under O.Reg 170/03. In the event any of the parameters exceed half of the maximum allowable concentration the parameter is required to be sampled quarterly.

Treated Water	Sample Year	Sample Result	MAC	Number of Exceedances	
				MAC	1/2 MAC
HAA Total (ug/L) Annual Average-DW	2025	18.53	80	No	No
Trihalomethane: Total (ug/L) Annual Average-DW	2025	54.50	100	No	Yes

## Additional Legislated Samples

There was no additional sampling required.

## Major Maintenance Summary

Date	Description
April 2025	New Watermain for mini Storage
June 2025	Installed Generac Generator at Tower

## Distribution Maintenance

Date	Location Reference	Category	Details	Corrective Repair
02-07-25	5593 HWY 138	1	Corrosion Pit hole	Anode
06-17-25	5683 HWY 138	1	Broken Fitting	Clamp and Anode
07-09-25	Headline W	N/A	Valve Replacement	Replaced valve
09-09-25	5185 HWY 138	N/A	Leaking Service	Replaced saddle and service

Date	Location Reference	Category	Details	Corrective Repair
11-28-25	5329 HWY 138	1	Water Leak	Replaced Saddle, waterline, new main stop and corporation fitting

## Appendix A

### St Andrews/Rosedale Terrace Flows

	January	February	March	April	May	June	July	August	September	October	November	December
1	229	354	334	307	283	295	340	363	883	210	252	248
2	352	344	348	317	258	122	343	397	700	245	273	214
3	411	331	301	445	322	365	331	391	904	252	180	269
4	399	307	304	415	336	370	349	415	604	322	222	229
5	313	303	311	322	301	294	404	377	861	285	371	262
6	304	237	327	351	273	325	409	333	840	270	309	297
7	288	434	437	349	217	354	204	402	842	215	275	281
8	274	341	372	346	331	349	312	453	847	232	254	245
9	277	344	328	860	295	673	320	447	319	255	207	246
10	298	326	311	230	281	776	352	450	278	296	207	254
11	448	332	318	230	305	339	328	429	258	283	180	248
12	362	320	303	308	290	301	392	417	300	266	225	235
13	299	345	313	219	280	277	377	351	312	295	311	301
14	336	345	304	316	303	342	393	436	320	266	115	328
15	302	514	332	337	284	378	402	401	284	222	252	233
16	294	393	324	270	256	263	408	522	239	262	315	264
17	309	330	333	215	242	331	312	295	255	266	245	290
18	330	325	303	289	243	288	276	219	271	283	160	270
19	317	293	308	257	261	339	302	344	317	249	305	278
20	295	310	303	308	536	290	305	335	289	177	219	289
21	431	325	305	269	189	330	322	341	293	190	239	289
22	368	476	409	220	470	323	362	417	240	230	246	249
23	332	376	436	324	223	308	290	895	189	248	297	252
24	300	333	270	235	282	358	397	865	271	225	239	279
25	317	331	309	260	300	408	339	674	284	243	222	284
26	330	319	302	313	291	377	371	906	273	215	274	286
27	317	304	392	265	460	323	350	681	278	231	767	282
28	309	296	427	287	525	305	350	865	285	292	599	264
29	305		307	300	525	289	398	666	261	266	286	264
30	315		401	240	239	307	388	687	322	151	290	266
31	322		392		286		359	904		169		292
Min	229	237	270	215	189	122	204	219	189	151	115	214
Max	448	514	437	860	536	776	409	906	904	322	767	328
Average	325	342	338	313	312	347	348	506	421	246	278	267
Total	10083	9588	10464	9404	9687	10399	10785	15678	12619	7611	8336	8288