

Sean Patterson  
Director of Public Works  
Town of Deep River  
100 River Road  
Deep River, ON  
K0J 1P0

February 16, 2018

Dear Sean:

**RE: 2017 Annual Reports Required by Ontario Regulations**

Please find attached the 2017 Summary Report for the Deep River Drinking Water System. This report is completed based on the information we have in our records in accordance with Schedule 22 of O. Reg. 170/03, under the Safe Drinking Water Act. This schedule requires a Summary Report to be prepared no later than March 31<sup>st</sup> of each year for the preceding calendar year.

Any orders that you have received directly from the Ministry of the Environment and Climate Change (MOECC) should be reviewed. Where non-compliance with the Order is evident and it is not included in the attached 2017 Summary Report, then, we recommend that this information be added.

After your review and inclusion of any additional information, this Summary Report is to be provided to the members of the municipal council. It is also important to record and keep on record that this document was reviewed in council (resolution of council).

Also, attached is the Section 11, Annual Report. This report is prepared to satisfy the requirements of O. Reg. 170/03, Section 11. It should also be noted that a copy of this report is no longer required to be submitted to the MOECC.

As part of the requirements of the Water Taking and Transfer Regulation (O. Reg. 387/04), it is required that all the raw water daily flow volumes are submitted electronically for review by the MOECC. A copy of the data that was submitted is attached in this report, as well as a copy of the confirmation that the data was received.

Section 12 of O. Reg. 170/03 requires that these reports be made available for inspection by any member of the public during normal business hours, without charge. The reports are to be made available for inspection at the office of the municipality.

Sincerely,

*Brenda Royce*

Brenda Royce  
Process and Compliance Technician  
Ontario Clean Water Agency  
Laurentian View Cluster  
Eastern Region  
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cc: Ric McGee, CAO/Clerk, Town of Deep River  
Brad Sweet, Senior Operations Manager, OCWA  
Andrew Trader, Eastern Regional Manager, OCWA  
Vanessa Greatrix, Safety, Process & Compliance Manager, OCWA  
Copy to File





**THE TOWN OF DEEP RIVER**  
ONTARIO, CANADA

**DEEP RIVER DRINKING WATER SYSTEM  
2017 ANNUAL REPORT**



**Prepared by:**

*Brenda Royce*

**Process & Compliance Technician**

**Laurentian View Cluster – Eastern Region**

**01/18/2018**



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

## **Foreword**

This document contains three different reports required for the Deep River Drinking Water System:

- Section 11, Annual Report, as per the SDWA, 2002- Section 11 of the Ontario Regulation 170/03
- Summary Report, as per the SDWA, 2002- Schedule 22 of the Ontario Regulation 170/03
- Summary of the Raw Water values that were submitted to the Ministry of the Environment **under the Ontario Regulation 387/04, OWRA, 1990- Water Taking.**

Section 12 of Ontario Regulation 170/03 of the SDWA, 2002, requires both the Summary Report and the Annual Report be made available for inspection by any member of the public during normal business hours, without charge. These reports are to be made available for inspection at the office of the municipality and on the municipality internet site.

**SECTION 11**  
**ANNUAL REPORT 2017**



**Drinking-Water Systems Regulation O. Reg. 170/03,  
Section 11- Annual Report.**

**System Information:**

<b>Drinking Water System Name:</b>	Deep River Drinking Water System
<b>Municipal Drinking Water Licence #</b>	189-101, Issue #2
<b>Drinking Water Works Permit #</b>	189-201, Issue #2
<b>Drinking Water System Number:</b>	220000923
<b>System Owner:</b>	Deep River, The Corporation of the Town of
<b>Operating Authority:</b>	Ontario Clean Water Agency
<b>Drinking Water System Category:</b>	Large Municipal Residential
<b>DWQMS Status (SAI Global Certified- File # 1634171-01)</b>	Full Scope/Entire DWQMS Re-Accreditation granted on October 22, 2015
<b>Reporting Period:</b>	January 1, 2017 – December 31, 2017

**Summary Report (170/03 Schedule 22) will be available for inspection at:**

Town of Deep River  
100 River Road, Box 400  
Deep River, ON  
K0J 1P0

**List all Drinking Water Systems which receive all of their drinking water from your System:**

Name	Drinking Water System Number
No other systems receive water from this system.	

**Provide a brief description of the System:**

There are three Actiflo units that provide coagulation, flocculation and sedimentation. PAS-8 and polymer are added in the Actiflo process. Filtration is provided by dual media filters. Post disinfection is provided using chlorine gas. pH is adjusted using caustic soda both before the Actiflo process and as the treated water enters the distribution system.

**What Treatment Chemicals were used during the Reporting Year:**

Chemical Name	Use	Supplier
PAS-8	Coagulant	Kemira
Fluoride	Fluoridation	Brenntag
Chlorine Gas	Disinfection	Brenntag
Caustic Soda	pH Adjustment	Sodrox Chemical Ltd.
Magnafloc LT27AG	Actiflo	BASF Canada Ltd.

Centrifuge Polymer (Zetag 8140)	Lamella Clarifier & Centrifuge Process	BASF Canada Ltd.
Silica Sand	Actiflo Process	John Meunier

**Summary of any Reports made to the Ministry under subsection 18 (1) of the Act or Section 16-4 of Schedule 16:**

DRINKING WATER LEGISLATION	AWQI #	Cause			STATUS
		PARAMETER/EQUIPMENT FAILURE	DURATION	CORRECTIVE ACTION TAKEN	
None reported in 2017.					

**Does your Drinking-Water System serve more than 10 000 people?**  
**NO**

**Is your annual report available to the public at no charge on a web site on the internet?**  
**YES**

**Indicate how you notified system users that your annual report is available, and is free of charge?**

- Notice via the Town of Deep River's internet website
- Newsletter to be mailed to Town residents indicating availability at town office and internet website

**Capacity Assessment of the Deep River Drinking Water System:**

Year	2013	2014	2015	2016	2017
Av. Day Flow (m <sup>3</sup> /d)	2 419.27	2 572.17	2 344.87	2 272.20	2 116.06
Design Capacity (m <sup>3</sup> /d)	13 638.0	13 638.0	13 638.0	13 638.0	13 638.0
% of Capacity (based on av. day flows)	17.7	18.9	17.2	16.7	15.5
Max. Day Flow (m <sup>3</sup> /d)	7 950.2	6 602.2	4 573.4	4 975.4	3 532.2
% of Capacity (based on max. day flows)	58.3	48.4	33.5	36.5	25.9

In 2017, the average day flow was at approximately 15.5% of the current plant design, and the maximum day flow was at approximately 25.9% of the plant design of 13 638.0 m<sup>3</sup>/d.

Regulatory Sample Results Summary:

**Microbiological Testing (Ont. Reg. 170/03, Sch. 10, Sch. 11, or Sch. 12 & Ont. Reg. 169/03 Standards – Not Detectable):**

	# of E-coli Samples Taken	E-Coli Results (min-max)	# of Total Coliform Samples Taken	Total Coliform Results (min-max)	# of HPC Samples Taken	HPC Results (min-max)
Raw	52	0 - 12	52	0 - 108	52	9 - 500
Treated	52	0 - 0	52	0 - 0	52	0 - 211
Distribution	225	0 - 0	225	0 - 20	225	0 - 39

**Operational Testing, On-Line (Ont. Reg. 170/03, Sch. 7, Sch. 8 or Sch. 9):**

Parameter	Ont. Reg. 170/03 Standard	Range of Results (min # - max #)
Filter #1 Turbidity	1 NTU	0 – 1.290 NTU
Filter #2 Turbidity	1 NTU	0 – 0.290 NTU
Filter #3 Turbidity	1 NTU	0 – 0.264 NTU
Treated Free Chlorine	0.05 mg/L – 4 mg/L	0 – 5.0 mg/L *
Treated Fluoride	1.5 mg/L***	0 – 1.48 mg/L
Distribution Free Chlorine	0.2 mg/L – 4.0 mg/L	0.08 – 1.84 mg/L

\*Chlorine spikes recorded by on-line instrumentation were a result of various maintenance/calibration activities. All spikes are reviewed for compliance with O. Reg. 170/03 and reported as required.

\*\*\* Where fluoride is added to drinking water, it is recommended that the concentration be adjusted to 0.5 – 0.8 mg/L which is the optimum level for the control of tooth decay. Where supplies contain naturally occurring fluoride at levels higher than 1.5 mg/L, but less than 2.4 mg/L, the Ministry of Health and Long Term Care recommends an approach through the local boards of health to raise public and professional awareness to control excessive exposure to fluoride from other sources (taken from the Technical Support Document for Ontario Drinking Water Standards, Objectives and Guidelines, June 2006, MOE PIBS 4449e01).

**Summary of Additional Non-Required Samples, In-House:**

Parameter	# of grab samples taken	Ont. Reg. 170/03 / Ont. Reg. 169/03 Standard (MAC), as applicable	Range of Results (min # - max #)
Filter #1 Turbidity	50	1 NTU	0.065 – 0.299 NTU
Filter #2 Turbidity	51	1 NTU	0.097 – 0.292 NTU
Filter #3 Turbidity	49	1 NTU	0.111 – 0.277 NTU
Treated Water Turbidity	50	1 NTU	0.094 – 0.167 NTU
Treated Water pH	232	6.0 – 8.5 (OG)	6.94 – 8.24
Treated Water Alkalinity	52	30 – 500 mg/L (OG)*	9 – 29 mg/L
Treated Water Aluminum	52	0.1 mg/L (OG)	0 – 0.114 mg/L
Treated Water Colour	52	5 TCU (AO)**	0 – 0 TCU
Treated Water Fluoride	239	1.5 mg/L	0.40 – 0.86 mg/L
Treated Water Free Chlorine	237	0.05 mg/L – 4.0 mg/L	1.18 – 2.50 mg/L
Treated Water Total Chlorine	237	0.25 mg/L – 3.0 mg/L	0.69 – 2.85 mg/L
Distribution Free	422	0.2 mg/L – 4.0 mg/L	0.10 – 2.13 mg/L



Chlorine			
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\* (OG) - Operational Guidelines- are established for parameters that, if not controlled, may negatively affect the efficient and effective treatment, disinfection and distribution of the water.

\*\* (AO) - Aesthetic Objectives- are established for parameters that may impair the taste, odour or colour of water, or which may interfere with good water quality control practices (taken from the Technical Support Document for Ontario Drinking Water Standards, Objectives and Guidelines, MOE PIBS 4449e01, June 2006).

#### Laboratory:

Parameter	# of grab samples taken	Ont. Reg. 170/03 / Ont. Reg. 169/03 Standard (MAC), as applicable	Range of Results (min # - max #)
Treated Water Alkalinity	12	30 - 500 mg/L (OG)	7 - 22 mg/L
Treated Water Colour	12	5 TCU (AO)	< 2 - < 3 TCU
Treated Water Conductivity	12	300 - 500 uS/cm	89 - 146 uS/cm
Treated Water Fluoride	12	1.5 mg/L	0.15 - 0.65 mg/L
Treated Water pH	12	6.5 - 8.5 (OG)	6.99 - 7.72
Treated Water Total Dissolved Solids	12	500 mg/L (AO)	70 - 100 mg/L
Treated Water Hardness	12	80 - 100 mg/L (OG)	17 - 28 mg/L
Treated Water Aluminum	12	100 ug/L (OG)	40 - 130 ug/L
Treated Water Iron	12	0.30 mg/L (AO)	< 0.030 - < 0.030 mg/L
Distribution Water Alkalinity	15	30 - 500 mg/L (OG)	10 - 30 mg/L
Distribution Water Colour	15	5 TCU (AO)	< 2 - < 8 mg/L
Distribution Water Conductivity	14	300 - 500 uS/cm	104 - 147 uS/cm
Distribution Water Fluoride	14	1.5 mg/L	0.47 - 0.62 mg/L
Distribution Water pH	15	6.5 - 8.5 (OG)	7.30 - 7.62
Distribution Water Total Dissolved Solids	15	500 mg/L (AO)	60 - 100 mg/L
Distribution Water Hardness	14	80 - 100 mg/L (OG)	17 - 28 mg/L
Distribution Water Aluminum	14	100 ug/L (OG)	50 - 130 ug/L
Distribution Water Iron	15	0.30 mg/L (AO)	0.05 - 0.52 mg/L

#### Summary of Additional Samples:

Reason	Date of Issuance	Parameter	Date Sampled	Result/Range	Unit of measure
MDWL #189-101, Issue 2	13-Jan-2016	Backwash Effluent Suspended Solids	Monthly	< 2.0 - < 14*	mg/L

\*The annual average for Backwash Effluent Suspended Solids is < 3.0 mg/L, which is below the limit of 25 mg/L.

#### Summary of Inorganic Parameters Tested or Most Recent Sample Result:

MAC = Maximum Allowable Concentration as per O. Reg. 169/03

(Results Inserted on Next Pages)

#### Summary of Organic Parameters Tested or Most Recent Result:

MAC = Maximum Allowable Concentration as per O. Reg. 169/03

(Results Inserted on Next Pages)

Drinking-Water System Number: 220000923  
 Drinking-Water System Name: DEEP RIVER DRINKING WATER SYSTEM  
 Drinking-Water System Owner: Title Holder: Municipality  
 Drinking-Water System Category: Large Municipal Residential  
 Period being reported: 01/2017 12/2017

Table 4

Summary of inorganic parameters tested during this reporting period or the most recent sample results

TREATED WATER	Sample Date (YYYY/MM/DD)	Sample Result	MAC	No. of Exceedances	
				MAC	1/2 MAC
Arsenic: Sb (ug/L) - TW	2017/01/03	<MDL 0.5	6.0	No	No
Arsenic: As (ug/L) - TW	2017/01/03	<MDL 1.6	25.0	No	No
Barium: Ba (ug/L) - TW	2017/01/03	<MDL 10.0	1000.0	No	No
Boron: B (ug/L) - TW	2017/01/03	<MDL 10.0	5000.0	No	No
Cadmium: Cd (ug/L) - TW	2017/01/03	<MDL 0.1	5.0	No	No
Chromium: Cr (ug/L) - TW	2017/01/03	<MDL 1.0	50.0	No	No
Mercury: Hg (ug/L) - TW	2017/01/03	<MDL 0.1	1.0	No	No
Selenium: Se (ug/L) - TW	2017/01/03	<MDL 1.0	50.0	No	No
Uranium: U (ug/L) - TW	2017/01/03	<MDL 1.0	20.0	No	No

Additional Inorganics

Fluoride (mg/L) - TW	2017/12/05	0.47	1.5	No	No
Nitrite (mg/L) - TW	2017/01/03	<MDL 0.1	1.0	No	No
Nitrite (mg/L) - TW	2017/04/04	<MDL 0.1	1.0	No	No
Nitrite (mg/L) - TW	2017/07/05	<MDL 0.1	1.0	No	No
Nitrite (mg/L) - TW	2017/10/03	<MDL 0.1	1.0	No	No
Nitrate (mg/L) - TW	2017/01/03	0.18	10.0	No	No
Nitrate (mg/L) - TW	2017/04/04	0.27	10.0	No	No
Nitrate (mg/L) - TW	2017/07/05	0.18	10.0	No	No
Nitrate (mg/L) - TW	2017/10/03	0.18	10.0	No	No
Sodium: Na (mg/L) - TW	2017/01/03	12.0	20*	No	Yes

\*There is no "MAC" for Sodium. The aesthetic objective for sodium in drinking water is 200 mg/L. The local Medical Officer of Health should be notified

when the sodium concentration exceeds 20 mg/L so that this information may be communicated to local physicians for their use with patients on sodium restricted diets.

Drinking-Water System Number: 220000923  
 Drinking-Water System Name: DEEP RIVER DRINKING WATER SYSTEM  
 Drinking-Water System Owner: Title Holder: Municipality  
 Drinking-Water System Category: Large Municipal Residential  
 Period being reported: 01/2017 12/2017

**Table 6**

Summary of Organic parameters sampled during this reporting period or the most recent sample results

TREATED WATER	Sample Date (yyyy/mm/dd)	Sample Result	MAC	Number of Exceedances	
				MAC	1/2 MAC
Alachlor (ug/L) - TW	2017/01/03	<MDL 0.5	5.00	No	No
Atrazine + N-dealkylated metabolites (ug/L) - TW	2017/01/03	<MDL 0.2	5.00	No	No
Azinphos-methyl (ug/L) - TW	2017/01/03	<MDL 2.0	20.00	No	No
Benzene (ug/L) - TW	2017/01/03	<MDL 0.5	1.00	No	No
Benzo(a)pyrene (ug/L) - TW	2017/01/03	<MDL 0.01	0.01	No	Yes
Bromoxynil (ug/L) - TW	2017/01/03	<MDL 0.5	5.00	No	No
Carbaryl (ug/L) - TW	2017/01/03	<MDL 5.0	90.00	No	No
Carbofuran (ug/L) - TW	2017/01/03	<MDL 5.0	90.00	No	No
Carbon Tetrachloride (ug/L) - TW	2017/01/03	<MDL 0.2	2.00	No	No
Chlorpyrifos (ug/L) - TW	2017/01/03	<MDL 1.0	90.00	No	No
Diazinon (ug/L) - TW	2017/01/03	<MDL 1.0	20.00	No	No
Dicamba (ug/L) - TW	2017/01/03	<MDL 1.0	120.00	No	No
1,2-Dichlorobenzene (ug/L) - TW	2017/01/03	<MDL 0.4	200.00	No	No
1,4-Dichlorobenzene (ug/L) - TW	2017/01/03	<MDL 0.4	5.00	No	No
1,2-Dichloroethane (ug/L) - TW	2017/01/03	<MDL 0.2	5.00	No	No
1,1-Dichloroethylene (ug/L) - TW	2017/01/03	<MDL 0.5	14.00	No	No
Dichloromethane (Methylene Chloride) (ug/L) - TW	2017/01/03	<MDL 4.0	50.00	No	No
2,4-Dichlorophenol (ug/L) - TW	2017/01/03	<MDL 0.5	900.00	No	No
2,4-Dichlorophenoxy acetic acid (2,4-D) (ug/L) - TW	2017/01/03	<MDL 1.0	100.00	No	No
Dicofop-methyl (ug/L) - TW	2017/01/03	<MDL 0.9	9.00	No	No

Dimethoate (ug/L) - TW	2017/01/03	<MDL 2.5	20.00	No	No
Diquat (ug/L) - TW	2017/01/03	<MDL 5.0	70.00	No	No
Diuron (ug/L) - TW	2017/01/03	<MDL 10.0	150.00	No	No
Glyphosate (ug/L) - TW	2017/01/03	<MDL 10.0	280.00	No	No
Malathion (ug/L) - TW	2017/01/03	<MDL 5.0	190.00	No	No
Metolachlor (ug/L) - TW	2017/01/03	<MDL 1.0	50.00	No	No
Metribuzin (ug/L) - TW	2017/01/03	<MDL 5.0	80.00	No	No
Monochlorobenzene (Chlorobenzene) (ug/L) - TW	2017/01/03	<MDL 0.2	80.00	No	No
Paraquat (ug/L) - TW	2017/01/03	<MDL 1.0	10.00	No	No
PCB (ug/L) - TW	2017/01/03	<MDL 0.1	3.00	No	No
Pentachlorophenol (ug/L) - TW	2017/01/03	<MDL 0.5	60.00	No	No
Phorate (ug/L) - TW	2017/01/03	<MDL 0.5	2.00	No	No
Picloram (ug/L) - TW	2017/01/03	<MDL 5.0	190.00	No	No
Prometryne (ug/L) - TW	2017/01/03	<MDL 0.25	1.00	No	No
Simazine (ug/L) - TW	2017/01/03	<MDL 1.0	10.00	No	No
Terbufos (ug/L) - TW	2017/01/03	<MDL 0.4	1.00	No	No
Tetrachloroethylene (ug/L) - TW	2017/01/03	<MDL 0.3	10.00	No	No
2,3,4,6-Tetrachlorophenol (ug/L) - TW	2017/01/03	<MDL 0.5	100.00	No	No
Triallate (ug/L) - TW	2017/01/03	<MDL 1.0	230.00	No	No
Trichloroethylene (ug/L) - TW	2017/01/03	<MDL 0.3	5.00	No	No
2,4,6-Trichlorophenol (ug/L) - TW	2017/01/03	<MDL 0.5	5.00	No	No
2-methyl-4-chlorophenoxyacetic acid (MCPA) (ug/L) - TW	2017/01/03	<MDL 10.0	100.00	No	No
Trifluralin (ug/L) - TW	2017/01/03	<MDL 1.0	45.00	No	No
Vinyl Chloride (ug/L) - TW	2017/01/03	<MDL 0.2	1.00	No	No
DISTRIBUTION WATER					
Trihalomethane: Total (ug/L) Annual Average - DW	2017/01/01	87.45	100.00	No	Yes
HAA Total (ug/L) Annual Average - DW	2017/01/01	61.233		N/A	N/A

**Summary of Lead Sampling:** (Ont. Reg. 169/03 Standard = 10 ug/L or 0.01 mg/L MAC)

**Reduced Sampling: Distribution Samples Only Required (Dec 15th-Apr 15th & Jun 15th-Oct 15<sup>th</sup> annually): Taken from 3 hydrants for Deep River DWS. Distribution Samples-**

Date Sampled	pH Results		Alkalinity Results		Free Chlorine Results	
	Max Result	Min Result	Max Result	Min Result	Max Result	Min Result
4-Apr-17	7.69	7.59	23	21	0.91	0.63
3-Oct-17	7.33	7.28	21	12	0.58	0.33

**Facility Work Order Status:**

Preventative Work Orders Completed	95
Operational Work Orders Completed	48
Emergency Orders Completed	0
Capital Work Orders Completed	10
Corrective Work Orders Completed	40
Call Backs	2

**2017 Maintenance Summary:**

**Brief Description - Summary of Expenses Incurred for Installations, Repairs or Replacements for Capital Projects:**

- Purchase of pH meter probe and cable.
- Miscellaneous capital items required for repair and maintenance of the facility and associated equipment.
- Replacement of water processor.
- Repair of heating system.
- Filter #2 backwash valve actuator repair performed by Simons Automation & Supply.
- Costs associated with the removal and cleaning of debris and sand from backwash tanks.
- Operation of non-commissioned pump at new booster station to fill new waterline for BEL. This involves the labour costs in which an OCWA employee manned and operated the pumps.

- Replacement of pressure regulating valve for the chemical feed system at the water plant.
- Purchase of new limitorque actuator as filter #2 effluent valve failed.
- Replacement of the waste sludge pump.

### Distribution Activities for 2017:

**Background:** OCWA is responsible for the operation of the water treatment plant and water storage facility (1 tower), and the distribution system that OCWA assumed responsibility on April 1st, 2011.

- Deep River Water Treatment Plant is a Class 3 Facility.
- Deep River Distribution System is a Class 1 System.

### Distribution Summary:

1. OCWA Operators attended to 3 water main breaks during 2017:
  - January 31<sup>st</sup>, 2017: 74 Rutherford Avenue
  - March 30<sup>th</sup>, 2017: 2 Laurier Avenue
  - November 3<sup>rd</sup>, 2017: Parkdale Avenue & Summer Street
2. Hydrant Flushing was performed on approx. 245 hydrants with the spring flushing starting on the west end of town first on May 8<sup>th</sup> and ended on May 17<sup>th</sup>. The east end was started on May 23<sup>rd</sup> and was completed on June 7<sup>th</sup>. The fall flushing program started in the east end on September 25<sup>th</sup> and ended on October 6<sup>th</sup>. The west end was started on October 11<sup>th</sup> and was completed on October 26<sup>th</sup>. Thawing and pumping of non-draining hydrants, and installing anti-freeze to winterize the hydrants, was started on October 31<sup>st</sup> and completed on November 7<sup>th</sup>. The tower, building, and pump house are inspected monthly throughout the year.
3. As part of the Community Lead Sampling program, alkalinity and pH were sampled from three distribution hydrants during the Winter Period (December 15, 2016 to April 15, 2017) and Summer Period (July 15, 2017 to October 15, 2017). Hydrant (distribution plumbing) samples were collected under the reduced sampling requirements. These samples were collected on April 4<sup>th</sup>, 2017 and October 3<sup>rd</sup>, 2017. Refer to Summary of Lead Sampling above for results achieved during 2017.
4. Water Service Inspections (including water turn on/off, locates, pressure/flow testing, hydrant flushing, piping installations, hydrant replacements, valve locates/exercising, tapping of pipes, collecting bacti samples for new pipe installations, winterizing hydrants, service leaks, installing backflow preventers, etc.) were performed on many homes and businesses within the Town of Deep River. The 2017 activity log is recorded below:

JAN 4 – ADJUSTED THOMAS STREET VALVES

**JAN 6 – RE-ADJUSTED THOMAS STREET VALVES**  
**JAN 6 – WATER SHUT OFF AT 33A CHADWICK**  
**JAN 6 – MONTHLY PUMPHOUSE INSPECTION**  
**JAN 9 – WATER SHUT OFF AT 102 MAPLE**  
**JAN 9 – REPAIRED HOSPITAL FLUSH LINE**  
**JAN 18 – WATER TURN ON AT 25 HILLCREST**  
**JAN 31 – BROKEN WATERMAIN AT 74 RUTHEFORD**  
**JAN 31 – FLUSHED HYDRANT AT 72 RUTHERFORD AFTER WATERMAIN REPAIRED AND RE-WINTERIZED**  
**FEB 2 – THROTTLED VALVE AT CORNER OF HILLCREST AND GLENDALE**  
**FEB 10 – COMPLETED MONTHLY PUMPHOUSE INSPECTION**  
**FEB 17 – WATER SHUT OFF AT 103 MAPLE**  
**FEB 23 – THROTTLED PIV AT CORNER OF LASALLE AND BANTING**  
**FEB 25 – RESPONDED TO DISCOLOURED WATER COMPLAINT AT 20 IBERVILLE**  
**MAR 6 – FLUSHED IBERVILLE**  
**MAR 8 – FLUSHED DARWIN**  
**MAR 20 – WATER SERVICE TURN ON AT 240 PINE POINT ROAD**  
**MAR 30 – BROKEN WATERMAIN AT 2 LAURIER**  
**APR 3 – WATER SERVICE TURN ON AT 59 PARKDALE**  
**APR 3 – WATER SERVICE LEAK AT 7 MOUNTAIN VIEW**  
**APR 6 – WATER SERVICE TURN ON AT 33C CHADWICK**  
**APR 7 – WATER SERVICE TURN ON AT 103 MAPLE**  
**APR 10 – WATER SERVICE TURN OFF/ON AT NORTH RENFREW TIMES BUILDING**  
**APR 11 - WATER SERVICE TURN ON AT 99 GLENDALE**  
**APR 11 – EMERGENCY WATER SERVICE TURN OFF AT 13 SUMMIT**  
**APR 11 – WATER SERVICE TURN ON AT 102 MAPLE**  
**APR 12 - WATER SERVICE TURN ON AT 13 SUMMIT**  
**APR 18 – WATER SERVICE TURN ON AT YACHT AND TENNIS CLUB**  
**APR 19 - WATER SERVICE TURN ON AT 1 DALTON**  
**APR 19 – WATER SERVICE SHUT OFF AT 7 TWEEDSMUIR**  
**APR 19 – FLUSHED LOWER THOMAS AFTER CUSTOMER COMPLAINT**  
**APR 20 – WATER SERVICE SHUT OFF AT 39 HURON**  
**APR 20 - WATER SERVICE TURN ON AT 7 TWEEDSMUIR**  
**APR 21 - WATER SERVICE TURN ON AT DEEP RIVER GOLF CLUB**  
**APR 21 – WATER SERVICE REPLACEMENT AT 7 MOUNTAIN VIEW**  
**APR 24 – CONTRACTORS REMOVING OLD BAR SCREEN FROM PUMPHOUSE**  
**APR 24 – CONTRACTOR PUMPING SEDIMENT FROM PUMPHOUSE SUMP**  
**APR 27 – WATER SERVICE TURN ON AT GROUSE PARK**  
**APR 27 – COMMISSIONING OF NEW PUMPHOUSE SUBMERSIBLE PUMPS**  
**MAY 2 – WATER TURN ON AT DEEP RIVER LAWN BOWLING CLUB**  
**MAY 2 – COMPLETED MONTHLY WATER TOWER AND PUMPHOUSE INSPECTIONS**  
**MAY 3 – FLUSHED LOWER THOMAS**  
**MAY 4 – TESTED NEWLY INSTALLED WATER SERVICE AT CHIP TRUCK**  
**MAY 5 – FLUSHED KENNEDY PLACE AND LOWER THOMAS IN BOTH DIRECTIONS**  
**MAY 8 – USED VALVE TURNING MACHINE TO EXERCISE DISTRIBUTION VALVES**  
**MAY 8 – SPRING FLUSHING PROGRAM BEGAN – WEST END**  
**MAY 8 – SHUT DOWN EAST END HYDRANT DUE TO HIGH SPRING WATERTABLE**  
**MAY 9 – SPRING FLUSHING PROGRAM CONTINUED**  
**MAY 10 – SPRING FLUSHING IN WEST END CONTINUED**  
**MAY 11 – SPRING FLUSHING IN WEST END CONTINUED**  
**MAY 12 – HYDRANTS AND CAPS IN WEST END CHECKED AFTER FLUSHING**  
**MAY 12 – WEST END SPRING FLUSHING CONTINUED**  
**MAY 15 – VALVE EXERCISING IN WEST END**  
**MAY 15 – WATER TURNED ON AT BILL ROUNDING PARK, HOSPITAL GARDENS AND MOUNTAIN VIEW GARDENS**  
**MAY 15 – FLUSHED KENNEDY PLACE**  
**MAY 16 – WATER TURN ON AT 52 GLENDALE**

MAY 16 – WEST END FLUSHING CONTINUED  
 MAY 17 – WEST END SPRING FLUSHING COMPLETED  
 MAY 16 – WATER SHUT OFF 112 THOMAS  
 MAY 18 – EXERCISED SERVICE VALVE AT 258 THOMAS  
 MAY 18 – FLUSHED LOWER AND MID THOMAS  
 MAY 19 – CHECKED WEST END HYDRANTS AND CAPS  
 MAY 23 – EAST END SPRING FLUSHING BEGAN  
 MAY 23 – WATER TURN ON AT 2 WOLFE  
 MAY 24 – FLUSHING DOWNTOWN CORE AS PART OF THE EAST END SPRING  
 FLUSHING PROGRAM  
 MAY 24 – WATER SERVICE ON AT BLIMKIES GARDENS  
 MAY 25 – EAST END SPRING FLUSHING CONTINUED  
 MAY 25 – FLUSHED MID THOMAS  
 MAY 26 – EAST END FLUSHING CONTINUED  
 MAY 26 - WATER TURN ON AT DEEP RIVER MARINA  
 MAY 30 - EAST END SPRING FLUSHING CONTINUED  
 MAY 31 - EAST END SPRING FLUSHING CONTINUED  
 JUN 1 – DISCOLOURED WATER COMPLAINT AT 258 THOMAS, FLUSHED THOMAS  
 JUN 1 – COMPLETED TOWER AND PUMPHOUSE MONTHLY INSPECTION  
 JUN 2 – SPRING FLUSHING PROGRAM CONTINUED  
 JUN 6 – WATER COLOUR COMPLAINT AT 226 THOMAS, FLUSHED THOMAS  
 JUN 7 – SPRING FLUSHING PROGRAM COMPLETED  
 JUN 7 – WATER TURN ON AT GARDENS AT DEEP RIVER ROAD AND HWY 17  
 JUN 15 – WATER TURN ON AT CEMETARY  
 JUN 16 – WATER COLOUR COMPLAINT AT 58 BEACH, FLUSHED BEACH AVENUE  
 JUN 20 – WATER TURN ON AT LAMURE BEACH HOUSE  
 JUN 21 – WATER TURN ON AT VALUMART GARDENS AND CAMPUS  
 JUN 22 – WATER TURN ON AT 33A CHADWICK  
 JUN 26 – WATER TURN ON AT 53 RUTHERFORD  
 JUN 26 – SERVICE REPLACEMENT AT 70 RUTHERFORD  
 JUN 28 – WATER COLOUR COMPLAINT AT 258 THOMAS, FLUSHED THOMAS  
 JUN 28 – WATER COLOUR COMPLAINT AT 15 IBERVILLE, FLUSHED IBERVILLE  
 JUN 28 - WATER COLOUR COMPLAINT AT 34 PARKDALE, FLUSHED PARKDALE  
 JUN 29 - WATER COLOUR COMPLAINT AT 218 THOMAS, FLUSHED THOMAS  
 JUN 30 – INSTALLED OCWA WATER COOLER ON CAMPUS FOR CANADA DAY  
 FESTIVAL  
 JUN 30 – FLUSHED HYDRANT AT TOWN HALL IN PREPARATION FOR CANADA DAY  
 FESTIVAL  
 JUL 2 – PICKED UP OCWA WATER BOTTLE FILLING MACHINE FROM CAMPUS  
 JUL 5 – COMPLETED MONTHLY INSPECTION OF WATER TOWER AND PUMPHOUSE  
 JUL 5 – SUPERVISED HOUSE SERVICE REPLACEMENT AT 9 SPRUCE  
 JUL 6 – SUPERVISED HOUSE SERVICE REPLACEMENT AT 39 LAURIER  
 JUL 6 – ACTIVATED HYDRANT AT NEW CNL BOOSTER STATION  
 JUL 15 – WATER ON, SERVICE REPAIR AT 33590 HWY #17 WEST  
 JUL 11 – HOUSE SERVICE REPLACED AT 62 FOREST  
 JUL 13 – WATER LINE LOCATES ON ALDER AND LASALLE  
 JUL 13 – FLUSHED HYDRANT AT IBERVILLE AND GLENDALE DUE TO DISCOLOURED  
 WATER COMPLAINT  
 JUL 14 – WATER TURN ON/OFF AT 64 ALDER  
 JUL 19 – PRESSURE TEST AT LOT 5 ON BEATTY CRESCENT  
 JUL 19 – FLUSHED LOWER ALGONQUIN DUE TO DISCOLOURED WATER COMPLAINT  
 JUL 20 – FLUSHED BEACH STREET DUE TO DISCOLOURED WATER COMPLAINT  
 JUL 21 – EMERGENCY WATER SHUT OFF AT 33504 HWY 17 WEST  
 JUL 25 – WATER TURN ON AT 104 PINE POINT BEACH ROAD  
 JUL 26 – FLUSHED BEACH AVENUE EAST TO WEST DUE TO WATER COLOUR  
 COMPLAINT



JUL 27 - INSTALLED WATER LINE ON HYDRANT AT GLENDALE AND IBERVILLE IN AN ATTEMPT TO REMOVE REOCCURRING COLOUR ISSUES  
 AUG 2 - COMPLETED MONTHLY INSPECTIONS OF PUMPHOUSE AND WATER TOWER AND WATER TOWER BUILDING  
 AUG 2 - WATER SHUT OFF AT 33389 HWY 17 WEST  
 AUG 3 - SET UP WATER BOTTLE FILLING CENTRE UP FOR SUMMERFEST  
 AUG 11 - REPLACED FIRE HYDRANT AT 60 LAURIER  
 AUG 14 - DISCOLOURED WATER COMPLAINT AT CHILDRENS JUNCTION DAYCARE  
 AUG 14 - FLUSHED HYDRANT IN FRONT OF ST MARYS SCHOOL  
 AUG 15 - BROKEN WATER SERVICE AT 11 THOMSON  
 AUG 16 - CURB STOP REPLACED AT 11 THOMSON  
 AUG 17 - REPLACED FIRE HYDRANT ON JAMES STREET  
 AUG 24 - TESTED REPAIRED HYDRANT ON LAURENCE COURT  
 AUG 28 - FLUSHED THOMSON CRESCENT AFTER COLOUR COMPLAINT  
 AUG 25 - SERVICE REPLACEMENT AT 4 SUMMIT  
 AUG 30 - WATER TURN ON AT 83 BEACH AVENUE  
 AUG 31 - OCWA STAFF HAD ALL DAY INVOLVEMENT WITH CONTRACTOR ACTIVITIES FOR THE NEW BOOSTER STATION AND CNL WATER LINE  
 SEPT 1 - COMPLETED MONTHLY INSPECTION OF PUMPHOUSE, TOWER AND TOWER BUILDING  
 SEPT 1 - RUNNING BOOSTER STATION HYDRANT FOR CONTRACTOR  
 SEPT 5 - FLUSHED ST MARYS HYDRANT PRIOR TO SCHOOL STARTING  
 SEPT 7 - PRESSURE TESTED HYDRANT AT CNL GATE  
 SEPT 7 - WATER SERVICE SHUT OFF AT 194 PINE POINT ROAD  
 SEPT 8 - FLUSHED THOMSON CRESCENT  
 SEPT 8 - WATER SERVICE SHUT OFF/ON AT 5 CABOT  
 SEPT 11 - VALVE REPLACEMENT EAST END OF RUTHERFORD AT THOMSON  
 SEPT 12 - TURNED ON WATER SUPPLY TO CNL BOOSTER STATION  
 SEPT 12 - FLUSHED THOMSON  
 SEPT 12 - ATTENDED SODIUM HYPO TRAINING AT BOOSTER STATION  
 SEPT 12 - VALVE AND HYDRANT REPLACEMENT AT WEST END OF RUTHERFORD AT THOMSON  
 SEPT 14 - FLUSHED BANTING, DARWIN, AND LASALLE  
 SEPT 14 - FLUSHED MIS ALGONQUIN  
 SEPT 19 - FLUSHED THOMSON  
 SEPT 21 - FLUSHED THOMSON  
 SEPT 21 - FLUSHED BANTING AT HILLCREST  
 SEPT 22 - FLUSHED MID ALGONQUIN  
 SEPT 22 - FLUSHED THOMSON  
 SEPT 25 - BEGINNING OF FALL FLUSHING PROGRAM AT EAST END  
 SEPT 25 - FLUSHED THOMSON  
 SEPT 28 - SERVICE REPLACEMENT AT 32 THOMSON  
 SEPT 29 - WATER TURN OFF/ON AT 40 THOMAS  
 OCT 2 - FLUSHED THOMSON  
 OCT 2 - HYDRANT VALVE REPLACED AT HILLCREST AND LAURENTIAN  
 OCT 2 - COMPLETED MONTHLY TOWER AND PUMPHOUSE CHECKS  
 OCT 3 - WATER SHUT OFF AT 33A CHADWICK  
 OCT 3 - FALL EAST END FLUSHING CONTINUED  
 OCT 3 - PRESSURE TESTED AND FLUSHED NEWLY INSTALLED HYDRANT AT LAURENTIAN AND HILLCREST  
 OCT 4 - FLUSHED THOMSON  
 OCT 4 - WATER TURN OFF AT 176 PINE POINT ROAD  
 OCT 4 - FALL EAST END FLUSHING CONTINUED  
 OCT 5 - VALVE REPLACED AT SOUTHEAST CORNER OF RIDGE AND FRONTENAC  
 OCT 6 - FALL EAST END FLUSHING ENDED  
 OCT 10 - FLUSHED THOMSON  
 OCT 10 - FLUSHED HWY 17 EAST

OCT 10 - CNL TIE IN AT BALMER BAY  
 OCT 11 - STARTED WEST END FALL FLUSHING PROGRAM  
 OCT 11 - OPENED FIRST SECTION OF CNL PIPELINE EAST OF THE GATE  
 OCT 12 - BROKEN WATER SERVICE AT GRANITE LANE  
 OCT 12 - FLUSHED THOMSON  
 OCT 12 - FALL WEST END FLUSHING PROGRAM CONTINUED  
 OCT 13 - WATER OFF AT BLIMKIES  
 OCT 16 - FLUSHED THOMSON  
 OCT 16 - FALL WEST END FLUSHING PROGRAM CONTINUED  
 OCT 17 - CONTRACTOR REPAIRING HYDRANT IN FRONT OF LEGION  
 OCT 18 - FLUSHED THOMSON  
 OCT 18 - FALL WEST END FLUSHING PROGRAM CONTINUED  
 OCT 18 - WATER OFF/ON NORTH RENFREW LONG TERM CARE SERVICE REPAIR  
 OCT 19 - TEST RAN CNL BOOSTER PUMP B1  
 OCT 20 - FLUSHED THOMSON  
 OCT 20 - RAN CNL BOOSTER PUMP  
 OCT 23 - RAN CNL BOOSTER PUMP  
 OCT 23 - FLUSHED THOMSON  
 OCT 24 - WATER SHUT OFF AT 1 DALTON  
 OCT 24 - FLUSHED HYDRANT AT DEEP RIVER MOTEL  
 OCT 24 - WATER SERVICE REPAIR AT GRANITE LANE  
 OCT 25 - FLUSHED THOMSON  
 OCT 25 - FLUSHED BIRCH STREET  
 OCT 26 - WATER ON/OFF ON 4 GLENDALE FOR SERVICE REPAIR  
 OCT 26 - RAN BOOSTER STATION PUMP  
 OCT 26 - COMPLETED WEST END FALL FLUSHING PROGRAM  
 OCT 27 - WATER SHUT OFF AT DEEP RIVER GOLF COURSE  
 OCT 27 - FLUSHED THOMSON, NEWTON, FARADAY, AND LAURIER  
 OCT 27 - TOWN REPLACED DISTRIBUTION VALVE AT 12 LAURIER  
 OCT 30 - RAN NEW BOOSTER PUMP  
 OCT 30 - FLUSHED THOMSON  
 OCT 31 - RAN BOOSTER PUMP  
 OCT 31 - FLUSHED SUMAC  
 OCT 31 - READ CNL WATER METER AT BALMER BAY METER CHAMBER  
 OCT 31 - STARTED FLAGGING AND WINTERIZING HYDRANTS  
 NOV 1 - RAN BOOSTER PUMP  
 NOV 1 - FLAGGED AND WINTERIZED HYDRANTS  
 NOV 1 - CONDUCTED MONTHLY INSPECTIONS OF TOWER, TOWER BUILDING AND PUMPHOUSE, INSURED HEAT ON  
 NOV 1 - FLUSHED LASALLE, THOMSON  
 NOV 2 - RESPONDED TO WATER COMPLAINT AT 20 IBERVILLE  
 NOV 2 - RAN BOOSTER PUMP  
 NOV 2 - FLUSHED TAMARACK  
 NOV 3 - BROKEN WATER MAIN AT PARKDALE AND SUMMER STREET  
 NOV 3 - SHUT OFF WATER FOR YACHT AND TENNIS CLUB  
 NOV 3 - RAN BOOSTER PUMP  
 NOV 3 - FLUSHED LOWER THOMAS, FLUSHED THOMSON  
 NOV 6 - RESEATED PIV AT TWEEDSMUIR AND LAURIER  
 NOV 6 - RAN BOOSTER PUMP  
 NOV 6 - WINTERIZED AND FLAGGED HYDRANTS  
 NOV 7 - RAN BOOSTER PUMP  
 NOV 7 - TURNED HEAT TRACER ON UNDER LOWER CHADWICK  
 NOV 7 - FLUSHED DAIRY HYDRANT  
 NOV 7 - WINTERIZED AND FLAGGED HYDRANTS  
 NOV 16 - WATER OFF 33C CHADWWICK  
 NOV 8 - FLUSHED THOMSON  
 NOV 8/9 - RAN BOOSTER PUMP

NOV 9 – FLUSHED LECARON  
NOV 10 – WATER SHUT OFF AT 18 KELVIN  
NOV 10 – FLUSHED THOMSON  
NOV 14 – RAN BOOSTER PUMP AND FILLED FIRST CELL OF CNL HOLDING TANK  
NOV 14 – FLUSHED THOMSON  
NOV 16 – WATER SHUT OFF AT 53 RUTHERFORD  
NOV 16 – INSTALLED BACKFLOW PREVENTER AND WATER LINE ON THOMSON  
HYDRANT  
NOV 20/21/22 – BROKEN WATER SERVICE AT 33520 HWY 17 WEST, TURNED OFF AT 900  
AM AND BACK ON AT 1500 PM  
NOV 22 – RESPONDED TO WATER COMPLAINT AT 4 CARTIER  
NOV 23 – TESTED WATER QUALITY ON THOMSON  
NOV 23 – WATER ON/OFF AT 33520 HWY 17 WEST  
NOV 24 – RAN BOOSTER PUMP  
NOV 24 – TESTED WATER QUALITY ON THOMSON  
NOV 27 – WATER SHUT OFF AT 33520 HWY 17 WEST  
NOV 27 – TESTED WATER QUALITY ON THOMSON  
NOV 27 – WATER TURN ON AT 33520 HWY 17 WEST  
NOV 27 – CONTRACTOR REPLACED WATER SERVICE AT 33520 HWY 17 WEST  
NOV 28 – TOWN REPLACED WATER SERVICE FROM MAIN TO CURBSTOP AT 33520 HWY  
17 WEST  
NOV 29 – RAN BOOSTER PUMP, FILLING SECOND CNL CELL  
NOV 29 – TESTED WATER QUALITY ON THOMSON  
DEC 3 – COMPLETED MONTHLY INSPECTION OF PUMPHOUSE, TOWER, AND TOWER  
BUILDING  
DEC 4 – RAN CNL BOOSTER PUMP  
DEC 4 – WATER SHUT OFF AT 85 BEACH  
DEC 6 – FLUSHED CARTIER, AND HIGHLAND  
DEC 11 – RAN CNL BOOSTER PUMP  
DEC 12 – FLUSHED PARKDALE  
DEC 13 – RAN CNL BOOSTER PUMP  
DEC 15 – WATER OFF/ON AT 2 GLENDALE  
DEC 15 – FLUSHED LOWER THOMAS  
DEC 19 – WATER ON AT 33A CHADWICK  
DEC 22 – WATER OFF AT 240 PINEPOINT ROAD  
DEC 28 – FLUSHED LOWER THOMAS

# **SUMMARY REPORT**

**2017**

# DEEP RIVER DRINKING WATER SYSTEM

## 2017 SUMMARY REPORTS FOR MUNICIPALITIES

### Report:

This report is a summary of water quality information for the Deep River Drinking Water System, published in accordance with Schedule 22 of Ontario's Drinking-Water Systems Regulation for the reporting period of January 1, 2017 to December 31, 2017. The Deep River Drinking Water System is categorized as a Large Municipal Residential Drinking Water System.

This report was prepared by the Ontario Clean Water Agency on behalf of the Town of Deep River.

### Who gets a copy of the Report?

- in the case of a drinking-water system owned by a municipality, the members of the municipal council;

### What must the Report contain?

The report must,

- (a) list the requirements of the Act, the regulations, the system's approval and any order that the system **failed to meet** at any time during the period covered by the report and specify the duration of the failure; and
- (b) for each failure referred to in clause (a) describe the measures that were taken to correct the failure.

The following table lists the requirements that the system failed to meet and the measures taken to correct the failure:

DRINKING WATER LEGISLATION	AWQI #	Cause			STATUS
		PARAMETER/EQUIPMENT FAILURE	DURATION	CORRECTIVE ACTION TAKEN	
None reported in 2017.					

### The MOECC Annual Inspection Report:

The Ministry of Environment and Climate Change conducted their annual site visit for the 2017-2018 reporting year on January 4, 2018. The final MOECC inspection report was received on January 22, 2018. The inspection rating was 100% with no required actions or recommendations. This is eight consecutive years for the Deep River DWS to receive a 100% rating on the inspection reports.

**DEEP RIVER DRINKING WATER SYSTEM**  
**2017 SUMMARY REPORTS FOR MUNICIPALITIES**

*Summary of 2017 Community Complaints/Service Forms:*

1. December 8, 2017 – 34 Parkdale – intermittent discoloured water.
2. December 4, 2017 – 47 Highland Crescent - intermittent discoloured water.
3. November 22, 2017 – 4 Cartier – discoloured water.
4. November 9, 2017 – 34 LeCaron Street - intermittent discoloured water.
5. November 9, 2017 – 15 LeCaron Street - intermittent discoloured water.
6. November 14, 2017 – 12 Thomson Crescent – discoloured water.
7. November 2, 2017 – 226 Thomas Street - intermittent discoloured water.
8. November 2, 2017 – 20 Iberville Street – discoloured water.
9. November 2, 2017 – 222 Thomas Street – discoloured water.
10. November 1, 2017 – Tamarack Apartments, Apt. #205 – discoloured water.
11. November 1, 2017 – 5 Lasalle Drive – discoloured water.
12. October 27, 2017 – 3 Faraday - discoloured water.
13. October 25, 2017 – 93 Birch – discoloured water.
14. October 25, 2017 – 94 Birch – discoloured water.
15. September 19, 2017 – 28 Thomson Crescent – discoloured water.
16. September 21, 2017 – 67 Algonquin Street - intermittent discoloured water.
17. September 14, 2017 – 70 Algonquin Street – discoloured water.
18. September 14, 2017 – 45 Algonquin Street – discoloured water.
19. September 14, 2017 – Algonquin Street – discoloured water.
20. September 13, 2017 – 10 Darwin Crescent – discoloured water.
21. September 13, 2017 – 12 Lasalle Drive – discoloured water.
22. September 7, 2017 – 19 Thomson Crescent – discoloured water.
23. August 15, 2017 – Children’s Junction Daycare – discoloured water.
24. August 11, 2017 – 22 Thomson Crescent – discoloured water.
25. July 17, 2017 – 55 Beach Avenue – discoloured water every morning.
26. July 12, 2017 – 12 Iberville Street – discoloured water.
27. July 12, 2017 – 11 Iberville Street – discoloured water.
28. July 11, 2017 – 52 Algonquin Street – discoloured water.
29. June 29, 2017 – 23 Cabot Place – discoloured water.
30. June 28, 2017 – 15 Iberville Street - intermittent discoloured water.
31. June 28, 2017 – 258 Thomas Street – discoloured water.

**DEEP RIVER DRINKING WATER SYSTEM**  
**2017 SUMMARY REPORTS FOR MUNICIPALITIES**

- 32. June 28, 2017 – 34 Parkdale Avenue – discoloured water.
- 33. June 19, 2017 – 226 Thomas Street – discoloured water.
- 34. June 19, 2017 – 230 Thomas Street – discoloured water.
- 35. May 4, 2017 – 258 Thomas Street – discoloured water.
- 36. May 1, 2017 – 361 River Drive – ditches flooded with water.
- 37. April 12, 2017 – 252 Thomas Street - intermittent discoloured water.
- 38. Feb. 21, 2017 – 248 Thomas Street – discoloured water.
- 39. Feb. 2, 2017 – 10 Darwin Crescent – discoloured water.

*What else must the Report contain?*

The report must also include the following information for the purpose of enabling the owner of the system to assess the capability of the system to meet existing and planned uses of the system:

1. A summary of the quantities and flow rates of the water supplied during the period covered by the report, including monthly average and maximum daily flows.
2. A comparison of the summary referred to in paragraph 1 to the rated capacity and flow rates approved in the system’s approval, drinking water works permit or municipal drinking water licence.

*Capacity Assessment of the Deep River Drinking Water System:*

<b>Year</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>
Av. Day Flow (m <sup>3</sup> /d)	2 419.27	2572.17	2344.87	2272.2	2 116.06
Design Capacity (m <sup>3</sup> /d)	13 638.0	13 638.0	13 638.0	13 638.0	13 638.0
<b>% of Capacity</b> (based on av. day flows)	17.7	18.9	17.2	16.7	15.5
Max. Day Flow (m <sup>3</sup> /d)	7 950.2	6602.2	4573.4	4975.4	3 532.2
<b>% of Capacity</b> (based on max. day flows)	58.3	48.4	33.5	36.5	25.9

In 2017, the average day flow was at approximately 15.5 % of the current plant design, and the maximum day flow was at approximately 25.9 % of the plant design of 13 638.0 m<sup>3</sup>/d.

**DEEP RIVER DRINKING WATER SYSTEM**  
**2017 SUMMARY REPORTS FOR MUNICIPALITIES**

Attached is a copy of the Facility Flow Summary for the Deep River Drinking Water System. This document contains all required flow information. Also, attached is the confirmation for the submission into the MOECC WTRS for the 2017 reporting period.

***When Does the Report Get Submitted?***

If a report is prepared for a system that supplies water to a municipality under the terms of a contract, the owner of the system shall give a copy of the report to the municipality by March 31st.





**ANNUAL WATER TAKING AND TRANSFER  
REPORT - SUBMITTED DATA TO MOECC,  
FOR THE YEAR OF 2017**

| [WT DATA](#) | [REPORTS](#) | [SEARCH WT DATA](#) | [ADMINISTRATION](#) | [USER PROFILE](#) | [CONTACT US](#) | [HELP](#) | [HOME](#) | [LOG](#)

Location: [WTRS](#) / [WT DATA](#) / [Input WT Record](#)

WTR

**Water Taking Data submitted successfully.**

**Confirmations:**

Thank you for submitting your water taking data online.

Permit Number: 8528-9ECQPJ

Permit Holder: THE CORPORATION OF THE TOWN OF DEEP RIVER.

Received on: Feb 16, 2018 8:28 AM

This confirmation indicates that your data has been received by the Ministry, but should not be construed as acceptance of this if it differs from that specified on the Permit Number, assigned to the Permit Holder stated above.

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WTR

**Water Taking Data submitted successfully.**

**Confirmations:**

Thank you for submitting your water taking data online.

Permit Number: 6422-8W9PUB

Permit Holder: THE CORPORATION OF THE TOWNSHIP OF WHITEWATER REGION.

Received on: Feb 16, 2018 8:32 AM

This confirmation indicates that your data has been received by the Ministry, but should not be construed as acceptance of this if it differs from that specified on the Permit Number, assigned to the Permit Holder stated above.

**Ontario Clean Water Agency**  
**Annual Water Taking and Transfer Report**  
 From 01/01/2017 To 12/31/2017

Facility: DEEP RIVER DRINKING WATER SYSTEM-6097  
 Tag: Raw Flow: Sum (m3/d)  
 Tag Group: Raw Water

Permit#: 8528-9ECQPJ  
 Source Name: OTTAWA RIVER  
 Source: SURFACE  
 Type: RIVER  
 Purpose: Municipal

Coordinate Zone: 18  
 Easting: 307340  
 Northing: 5109278  
 Method deter: Metered

Date Measured	Value (m³/d)	Value (Litres)
01/01/2017	1704.0000	1704000.0000
02/01/2017	4187.9000	4187900.0000
03/01/2017	2547.6000	2547600.0000
04/01/2017	2134.8000	2134800.0000
05/01/2017	2389.7000	2389700.0000
06/01/2017	2033.7000	2033700.0000
07/01/2017	2340.5000	2340500.0000
08/01/2017	2344.2000	2344200.0000
09/01/2017	1850.1000	1850100.0000
10/01/2017	2494.1000	2494100.0000
11/01/2017	1635.6000	1635600.0000
12/01/2017	2537.7000	2537700.0000
13/01/2017	1873.5000	1873500.0000
14/01/2017	2744.1000	2744100.0000
15/01/2017	2279.9000	2279900.0000
16/01/2017	2164.6000	2164600.0000
17/01/2017	1957.9000	1957900.0000
18/01/2017	2250.6000	2250600.0000
19/01/2017	2706.5000	2706500.0000
20/01/2017	1378.9000	1378900.0000
21/01/2017	2366.5000	2366500.0000
22/01/2017	2023.5000	2023500.0000
23/01/2017	1963.0000	1963000.0000
24/01/2017	2874.5000	2874500.0000
25/01/2017	1818.7000	1818700.0000
26/01/2017	1753.9000	1753900.0000
27/01/2017	2102.0000	2102000.0000
28/01/2017	2157.8000	2157800.0000
29/01/2017	2566.9000	2566900.0000
30/01/2017	2783.8000	2783800.0000
31/01/2017	2792.6000	2792600.0000
01/02/2017	2671.2000	2671200.0000
02/02/2017	2121.5000	2121500.0000
03/02/2017	1966.7000	1966700.0000
04/02/2017	2657.0000	2657000.0000
05/02/2017	1727.8000	1727800.0000
06/02/2017	2294.7000	2294700.0000
07/02/2017	2319.1000	2319100.0000
08/02/2017	2004.5000	2004500.0000
09/02/2017	1993.4000	1993400.0000
10/02/2017	2487.3000	2487300.0000
11/02/2017	2348.4000	2348400.0000

12/02/2017	2138.1000	2138100.0000
13/02/2017	2212.7000	2212700.0000
14/02/2017	2738.1000	2738100.0000
15/02/2017	2077.4000	2077400.0000
16/02/2017	1856.4000	1856400.0000
17/02/2017	1624.5000	1624500.0000
18/02/2017	1985.5000	1985500.0000
19/02/2017	2531.5000	2531500.0000
20/02/2017	1625.0000	1625000.0000
21/02/2017	2090.3000	2090300.0000
22/02/2017	2060.7000	2060700.0000
23/02/2017	1792.7000	1792700.0000
24/02/2017	2345.9000	2345900.0000
25/02/2017	1572.1000	1572100.0000
26/02/2017	2238.4000	2238400.0000
27/02/2017	1510.5000	1510500.0000
28/02/2017	2034.0000	2034000.0000
01/03/2017	2064.9000	2064900.0000
02/03/2017	2231.6000	2231600.0000
03/03/2017	2487.4000	2487400.0000
04/03/2017	1743.8000	1743800.0000
05/03/2017	2440.0000	2440000.0000
06/03/2017	2047.7000	2047700.0000
07/03/2017	2289.4000	2289400.0000
08/03/2017	2134.2000	2134200.0000
09/03/2017	2052.5000	2052500.0000
10/03/2017	1811.8000	1811800.0000
11/03/2017	2027.0000	2027000.0000
12/03/2017	2066.5000	2066500.0000
13/03/2017	1999.0000	1999000.0000
14/03/2017	2320.2000	2320200.0000
15/03/2017	1859.4000	1859400.0000
16/03/2017	2949.1000	2949100.0000
17/03/2017	1986.8000	1986800.0000
18/03/2017	2500.6000	2500600.0000
19/03/2017	2212.4000	2212400.0000
20/03/2017	2024.8000	2024800.0000
21/03/2017	2533.4000	2533400.0000
22/03/2017	2368.4000	2368400.0000
23/03/2017	2798.0000	2798000.0000
24/03/2017	1956.8000	1956800.0000
25/03/2017	2098.2000	2098200.0000
26/03/2017	2006.7000	2006700.0000
27/03/2017	2715.1000	2715100.0000
28/03/2017	2450.8000	2450800.0000
29/03/2017	2150.9000	2150900.0000
30/03/2017	2482.1000	2482100.0000
31/03/2017	2460.8000	2460800.0000
01/04/2017	2950.8000	2950800.0000
02/04/2017	3920.3000	3920300.0000
03/04/2017	2512.7000	2512700.0000
04/04/2017	2117.2000	2117200.0000
05/04/2017	2234.7000	2234700.0000
06/04/2017	2215.5000	2215500.0000
07/04/2017	1831.1000	1831100.0000
08/04/2017	1968.0000	1968000.0000
09/04/2017	2142.4000	2142400.0000
10/04/2017	2254.6000	2254600.0000
11/04/2017	1958.2000	1958200.0000
12/04/2017	2376.6000	2376600.0000
13/04/2017	4776.9000	4776900.0000

14/04/2017	2433.2000	2433200.0000
15/04/2017	1936.1000	1936100.0000
16/04/2017	3109.7000	3109700.0000
17/04/2017	3517.8000	3517800.0000
18/04/2017	3719.0000	3719000.0000
19/04/2017	2155.5000	2155500.0000
20/04/2017	2036.7000	2036700.0000
21/04/2017	3014.1000	3014100.0000
22/04/2017	2088.5000	2088500.0000
23/04/2017	2212.0000	2212000.0000
24/04/2017	3057.3000	3057300.0000
25/04/2017	1507.5000	1507500.0000
26/04/2017	2500.0000	2500000.0000
27/04/2017	2500.0000	2500000.0000
28/04/2017	2451.0000	2451000.0000
29/04/2017	3200.0000	3200000.0000
30/04/2017	1808.8000	1808800.0000
01/05/2017	2662.4000	2662400.0000
02/05/2017	3187.7000	3187700.0000
03/05/2017	2942.8000	2942800.0000
04/05/2017	2411.6000	2411600.0000
05/05/2017	2202.3000	2202300.0000
06/05/2017	2573.1000	2573100.0000
07/05/2017	4101.0000	4101000.0000
08/05/2017	2995.6000	2995600.0000
09/05/2017	2720.7000	2720700.0000
10/05/2017	3096.7000	3096700.0000
11/05/2017	4367.8000	4367800.0000
12/05/2017	3477.0000	3477000.0000
13/05/2017	1838.0000	1838000.0000
14/05/2017	1902.3000	1902300.0000
15/05/2017	3257.6000	3257600.0000
16/05/2017	3259.3000	3259300.0000
17/05/2017	2451.6000	2451600.0000
18/05/2017	3271.0000	3271000.0000
19/05/2017	2213.3000	2213300.0000
20/05/2017	2833.9000	2833900.0000
21/05/2017	2357.9000	2357900.0000
22/05/2017	1989.8000	1989800.0000
23/05/2017	3378.4000	3378400.0000
24/05/2017	2976.8000	2976800.0000
25/05/2017	3272.2000	3272200.0000
26/05/2017	4275.1000	4275100.0000
27/05/2017	4062.2000	4062200.0000
28/05/2017	3424.1000	3424100.0000
29/05/2017	2720.1000	2720100.0000
30/05/2017	4175.3000	4175300.0000
31/05/2017	4651.6000	4651600.0000
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02/06/2017	2667.9000	2667900.0000
03/06/2017	2310.1000	2310100.0000
04/06/2017	2369.3000	2369300.0000
05/06/2017	2188.1000	2188100.0000
06/06/2017	3296.3000	3296300.0000
07/06/2017	4793.6000	4793600.0000
08/06/2017	3014.5000	3014500.0000
09/06/2017	2655.5000	2655500.0000
10/06/2017	2563.3000	2563300.0000
11/06/2017	3344.5000	3344500.0000
12/06/2017	3104.3000	3104300.0000
13/06/2017	2585.1000	2585100.0000

14/06/2017	2799.0000	2799000.0000
15/06/2017	2350.5000	2350500.0000
16/06/2017	1802.9000	1802900.0000
17/06/2017	2613.0000	2613000.0000
18/06/2017	2488.6000	2488600.0000
19/06/2017	2826.2000	2826200.0000
20/06/2017	2236.1000	2236100.0000
21/06/2017	2148.6000	2148600.0000
22/06/2017	2447.2000	2447200.0000
23/06/2017	1794.7000	1794700.0000
24/06/2017	2126.2000	2126200.0000
25/06/2017	1609.7000	1609700.0000
26/06/2017	2053.6000	2053600.0000
27/06/2017	2267.1000	2267100.0000
28/06/2017	2549.6000	2549600.0000
29/06/2017	2753.0000	2753000.0000
30/06/2017	2408.5000	2408500.0000
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06/07/2017	3099.0000	3099000.0000
07/07/2017	2626.3000	2626300.0000
08/07/2017	2511.8000	2511800.0000
09/07/2017	2403.0000	2403000.0000
10/07/2017	2500.0000	2500000.0000
11/07/2017	2561.8000	2561800.0000
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13/07/2017	2536.0000	2536000.0000
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15/07/2017	4135.3000	4135300.0000
16/07/2017	3086.9000	3086900.0000
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18/07/2017	4362.1000	4362100.0000
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25/07/2017	2561.9000	2561900.0000
26/07/2017	3732.3000	3732300.0000
27/07/2017	3811.0000	3811000.0000
28/07/2017	3242.7000	3242700.0000
29/07/2017	2976.1000	2976100.0000
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08/08/2017	4474.4000	4474400.0000
09/08/2017	5129.4000	5129400.0000
10/08/2017	5491.1000	5491100.0000
11/08/2017	4338.0000	4338000.0000
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13/08/2017	2693.8000	2693800.0000

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15/08/2017	4476.5000	4476500.0000
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17/08/2017	3452.3000	3452300.0000
18/08/2017	2482.5000	2482500.0000
19/08/2017	2746.5000	2746500.0000
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21/08/2017	4408.7000	4408700.0000
22/08/2017	2846.0000	2846000.0000
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25/08/2017	3196.6000	3196600.0000
26/08/2017	3135.0000	3135000.0000
27/08/2017	2966.3000	2966300.0000
28/08/2017	5367.6000	5367600.0000
29/08/2017	2964.3000	2964300.0000
30/08/2017	3533.3000	3533300.0000
31/08/2017	2567.6000	2567600.0000
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04/09/2017	2572.7000	2572700.0000
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06/09/2017	5320.2000	5320200.0000
07/09/2017	2553.5000	2553500.0000
08/09/2017	2358.6000	2358600.0000
09/09/2017	2353.9000	2353900.0000
10/09/2017	2567.5000	2567500.0000
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13/09/2017	2815.3000	2815300.0000
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18/09/2017	3534.2000	3534200.0000
19/09/2017	2940.3000	2940300.0000
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21/09/2017	3021.4000	3021400.0000
22/09/2017	2976.3000	2976300.0000
23/09/2017	2792.2000	2792200.0000
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26/09/2017	3294.2000	3294200.0000
27/09/2017	2953.0000	2953000.0000
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11/10/2017	2926.7000	2926700.0000
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27/10/2017	2798.7000	2798700.0000
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29/10/2017	2461.8000	2461800.0000
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02/11/2017	3239.7000	3239700.0000
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07/11/2017	2325.6000	2325600.0000
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09/11/2017	2377.7000	2377700.0000
10/11/2017	2288.6000	2288600.0000
11/11/2017	2215.2000	2215200.0000
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13/11/2017	2488.0000	2488000.0000
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15/11/2017	2572.6000	2572600.0000
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23/11/2017	2371.1000	2371100.0000
24/11/2017	2466.4000	2466400.0000
25/11/2017	2491.4000	2491400.0000
26/11/2017	2450.3000	2450300.0000
27/11/2017	2436.1000	2436100.0000
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22/12/2017	2551.6000	2551600.0000
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29/12/2017	3802.2000	3802200.0000
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31/12/2017	2582.6000	2582600.0000