

# Drinking-Water Systems Regulation O. Reg. 170/03

## Section 11. ANNUAL REPORT.

<b>Drinking-Water System Number:</b>	210000728
<b>Drinking-Water System Name:</b>	North Dundas DWS
<b>Drinking-Water System Owner:</b>	Township of North Dundas
<b>Drinking-Water System Category:</b>	Large Municipal Residential
<b>Period being reported:</b>	January 1 to December 31, 2016

<p><b><u>Complete if your Category is Large Municipal Residential or Small Municipal Residential</u></b></p> <p><b>Does your Drinking-Water System serve more than 10,000 people? Yes [ ] No [x]</b></p> <p><b>Is your annual report available to the public at no charge on a web site on the Internet? Yes [x] No [ ]</b></p> <p><b>Location where Summary Report required under O. Reg. 170/03 Schedule 22 will be available for inspection.</b></p> <div style="border: 1px solid black; padding: 5px; margin-top: 10px;"> <p>Available at the Township of North Dundas Office, 636 St. Lawrence Street, Winchester, Ontario and on their website <a href="http://www.northdundas.com">www.northdundas.com</a></p> </div>	<p><b><u>Complete for all other Categories.</u></b></p> <p><b>Number of Designated Facilities served:</b>  <input style="width: 100px; height: 20px;" type="text"/></p> <p><b>Did you provide a copy of your annual report to all Designated Facilities you serve? Yes [ ] No [ ]</b></p> <p><b>Number of Interested Authorities you report to:</b> <input style="width: 100px; height: 20px;" type="text"/></p> <p><b>Did you provide a copy of your annual report to all Interested Authorities you report to for each Designated Facility? Yes [ ] No [ ]</b></p>
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List all Drinking-Water Systems (if any), which receive all of their drinking water from your system:

Drinking Water System Name	Drinking Water System Number
n/a	n/a

**Did you provide a copy of your annual report to all Drinking-Water System owners that are connected to you and to whom you provide all of its drinking water? Yes [ ] No [ ] N/A [x]**

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

- Public access/notice via the web
- Public access/notice via Government Office
- Public access/notice via a newspaper
- Public access/notice via Public Request
- Public access/notice via a Public Library
- Public access/notice via other method \_\_\_\_\_

**Describe your Drinking-Water System**

The North Dundas Drinking Water System consists of eight (8) groundwater production wells, five (5) pump houses each with chlorine disinfection equipment, two (2) storage reservoirs, and a distribution system consisting of two (2) elevated storage tanks and approximately 41.5 km of distribution piping. Sodium hypochlorite is used to provide primary and secondary disinfection.

**List all water treatment chemicals used over this reporting period**

Sodium hypochlorite was used at an average dosage rate of 3.0 mg/L.

**Were any significant expenses incurred to?**

- Install required equipment
- Repair required equipment
- Replace required equipment

**Please provide a brief description and a breakdown of monetary expenses incurred**

- Repaired watermain on County Rd. 3 East of North Wing Rd.(Winchester)
- Repaired watermain at 525 Main St. (Winchester)
- Repaired watermain at 455 Clarence St. (Winchester)
- Repaired watermain at corner of Ottawa St. and Main St. (Winchester)
- Repaired watermain Main St. South at bridge (Chesterville)
- Repaired service on Streeterpete St. (Chesterville)
- Installed electrical conduit at Reservoir (Winchester)
- Rebuilt high lift pump at Reservoir (Winchester)
- Installed pressure switch alarms at Well #1 and Well #6 (Winchester)
- Replaced unit heater at Well #5 (Winchester) & Reservoir (Chesterville)
- Performed cleaning and inspection of the Reservoir (Chesterville)
- Purchased and installed air relief valve on Well #6 (Chesterville)
- Replaced communication line at Tower (Chesterville)
- Repaired/replaced curb stops and main valves
- Rebuilt 16 fire hydrants
- Installed cathodic protection
- Purchased chlorine analyzer and chlorine pump repair kits
- Purchased chlorine pump and chlorine analyzer
- Performed electrical and instrumentation upgrades

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Provide details on the notices submitted in accordance with subsection 18(1) of the Safe Drinking-Water Act or section 16-4 of Schedule 16 of O.Reg.170/03 and reported to Spills Action Centre

Incident Date	Parameter	Result	Unit of Measure	Corrective Action	Corrective Action Date
n/a					

Microbiological testing done under the Schedule 10, 11 or 12 of Regulation 170/03, during this reporting period.

	Number of Samples	Range of <i>E. coli</i> Or Fecal Results (min #)-(max #)	Range of Total Coliform Results (min #)-(max #)	Number of HPC Samples	Range of HPC Results (min #)-(max #)
Raw	415	0 - 0	0 - 3	n/a	n/a
Treated	260	0 - 0	0 - 0	259	0 - 500
Distribution	210	0 - 0	0 - 0	105	0 - 340

Operational testing done under Schedule 7, 8 or 9 of Regulation 170/03 during the period covered by this Annual Report.

	Number of Grab Samples	Range of Results (min #)-(max #)
Turbidity	96	0.05 - 0.59 NTU
Chlorine	8760	0.16 - 5.00 mg/L

*NOTE: For continuous monitors use 8760 as the number of samples.*

Summary of additional testing and sampling carried out in accordance with the requirement of an approval, order or other legal instrument.

Date of legal instrument issued	Parameter	Date Sampled	Result	Unit of Measure
n/a				

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

Parameter	Minimum Sample Date	Maximum Sample Date	Minimum Value	Maximum Value	Unit of Measure	Exceedance
Antimony	01/21/2015	01/21/2015	<0.0001	<0.0001	mg / L	No
Arsenic	01/21/2015	01/21/2015	0.0008	0.0029	mg / L	No
Barium	01/21/2015	01/21/2015	0.060	0.146	mg / L	No
Boron	01/21/2015	01/21/2015	0.014	0.384	mg / L	No
Cadmium	01/21/2015	01/21/2015	<0.00002	0.00002	mg / L	No
Chromium	01/21/2015	01/21/2015	<0.002	<0.002	mg / L	No
*Lead	n/a	n/a	n/a	n/a	mg / L	No
Mercury	01/21/2015	01/21/2015	<0.00002	<0.00002	mg / L	No
Selenium	01/21/2015	01/21/2015	0.001	0.007	mg / L	No
Sodium	01/09/2012	01/21/2015	7.82	102	mg / L	No
Uranium	01/21/2015	01/21/2015	0.00037	0.001	mg / L	No
Fluoride	01/09/2012	01/09/2012	0.08	0.25	mg / L	No
Nitrite	01/04/2016	07/04/2016	<0.003	<0.10	mg / L	No
Nitrate	01/04/2016	04/04/2016	<0.006	1.21	mg / L	No

\*only for drinking water systems testing under Schedule 15.2; this includes large municipal non-residential systems, small municipal non-residential systems, non-municipal seasonal residential systems, large non-municipal non-residential systems, and small non-municipal non-residential systems.

**Summary of lead testing under Schedule 15.1 during this reporting period**

(applicable to the following drinking water systems; large municipal residential systems, small municipal residential systems, and non-municipal year-round residential systems)

Location Type	Number of Samples	Range of Lead Results (min#) – (max #)	Number of Exceedances
Plumbing	n/a	n/a	n/a
Distribution	4	<0.001 - 0.00007 mg/L	0

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

Parameter	Sample Date	Result Value	Unit of Measure	Exceedance
Alachlor	01/21/2015	<0.3	µg / L	No
Aldicarb	01/21/2015	<3.0	µg / L	No
Aldrin + Dieldrin	01/21/2015	<0.02	µg / L	No
Azinphos-methyl	01/21/2015	<1.0	µg / L	No
Bendiocarb	01/21/2015	<3.0	µg / L	No
Benzene	01/21/2015	<0.5	µg / L	No
Benzo(a)pyrene	01/21/2015	<0.005	µg / L	No
Bromoxynil	01/21/2015	<0.3	µg / L	No
Carbaryl	01/21/2015	<3.0	µg / L	No
Carbofuran	01/21/2015	<1.0	µg / L	No
Carbon Tetrachloride	01/21/2015	<0.2	µg / L	No
Chlordane (Total)	01/21/2015	<0.04	µg / L	No
Chlorpyrifos	01/21/2015	<0.5	µg / L	No
Cyanazine	01/21/2015	<0.5	µg / L	No
Diazinon	01/21/2015	<1.0	µg / L	No
Dicamba	01/21/2015	<5.0	µg / L	No
1,2-Dichlorobenzene	01/21/2015	<0.1	µg / L	No
1,4-Dichlorobenzene	01/21/2015	<0.2	µg / L	No
Dichlorodiphenyltrichloroethane (DDT) + metabolites	01/21/2015	<0.01	µg / L	No
1,2-Dichloroethane	01/21/2015	<0.1	µg / L	No
Dichloromethane	01/21/2015	<0.3	µg / L	No
2-4 Dichlorophenol	01/21/2015	<0.1	µg / L	No
2,4-Dichlorophenoxy acetic acid (2,4-D)	01/21/2015	<5.0	µg / L	No
Diclofop-methyl	01/21/2015	<0.5	µg / L	No
Dimethoate	01/21/2015	<1.0	µg / L	No
Dinoseb	01/21/2015	<0.5	µg / L	No
Diquat	01/21/2015	<5.0	µg / L	No
Diuron	01/21/2015	<5.0	µg / L	No
Glyphosate	01/21/2015	<25.0	µg / L	No
Heptachlor + Heptachlor Epoxide	01/21/2015	<0.1	µg / L	No
Lindane (Total)	01/21/2015	<0.1	µg / L	No
Malathion	01/21/2015	<5.0	µg / L	No

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Methoxychlor	01/21/2015	<0.1	µg / L	No
Metolachlor	01/21/2015	<3.0	µg / L	No
Metribuzin	01/21/2015	<3.0	µg / L	No
Paraquat	01/21/2015	<1.0	µg / L	No
Parathion	01/21/2015	<3.0	µg / L	No
Pentachlorophenol	01/21/2015	<0.3	µg / L	No
Phorate	01/21/2015	<0.3	µg / L	No
Picloram	01/21/2015	<5.0	µg / L	No
Polychlorinated Biphenyls(PCB)	01/21/2015	<0.05	µg / L	No
Prometryne	01/21/2015	<0.1	µg / L	No
Simazine	01/21/2015	<0.5	µg / L	No
THM (NOTE: show latest annual average)	10/11/2016	14.4	mg / L	No
Temephos	01/21/2015	<10.0	µg / L	No
Terbufos	01/21/2015	<0.3	µg / L	No
Tetrachloroethylene	01/21/2015	<0.2	µg / L	No
2,3,4,6-Tetrachlorophenol	01/21/2015	<0.1	µg / L	No
Triallate	01/21/2015	<10.0	µg / L	No
Trichloroethylene	01/21/2015	<0.1	µg / L	No
2,4,6-Trichlorophenol	01/21/2015	<0.1	µg / L	No
2,4,5-Trichlorophenoxy acetic acid (2,4,5-T)	01/21/2015	<10.0	µg / L	No
Trifluralin	01/21/2015	<0.5	µg / L	No
Vinyl Chloride	01/21/2015	<0.2	µg / L	No

List any Inorganic or Organic parameter(s) that exceeded half the standard prescribed in Schedule 2 of Ontario Drinking Water Quality Standards.

Parameter	Result Value	Unit of Measure	Date of Sample
n/a			

**O. Reg. 170/03 Schedule 22 - Summary Report for the  
North Dundas Drinking Water System**

This report is a summary of water quality information for the North Dundas Drinking Water System, published in accordance with Schedule 22 of Ontario's Drinking Water Systems Regulation (O. Reg. 170/03) for the reporting period of January 1, 2016 to December 31, 2016. North Dundas' 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 Township of North Dundas.

The report must be prepared by March 31<sup>st</sup> of the following year and must be given to:

- In the case of a drinking-water system owned by a municipality, the members of the municipal council;
- In the case of a drinking-water system owned by a municipal service board established under section 195 of the Municipal Act, 2001, the members of the municipal service board; or
- In the case of a drinking-water system owned by a corporation, the board of directors of the corporation.

The Summary Report must:

- 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
- 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	List the requirement(s) the system failed to meet	Specify the duration of the failure (i.e. date(s))	Describe the measures taken to correct the failure	Status (complete or outstanding)
Safe Drinking Water Act, 2002	n/a			
Ontario Regulation 170/03	n/a			
DWWP # 180-201	n/a			
MDWL # 180-101	n/a			
PTTW # 3236-6QWR72	n/a			
PTTW # 4607-AA9HQS	n/a			
PTTW # 3380-AC3QF9	n/a			
PTTW # 0088-9C3JG4	n/a			
PTTW # 0816-838SXR	n/a			
PTTW # 4175-9C3GPW	n/a			
PTTW # 2181-83S8E	n/a			
Provincial Officer's Order	n/a			

#### **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:

- a) 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 and daily instantaneous peak flow rates.
- b) A comparison of the summary referred to in paragraph 1 to the rated capacity and flow rates approved in the system's approval.

Attached please find the 2016 Performance Assessment Report and 2016 Annual Records of Water Taking which contain all required flow information.

#### **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 31, 2017.

**ONTARIO CLEAN WATER AGENCY  
WATER PLANT PERFORMANCE ASSESSMENT REPORT**

MUNICIPALITY: NORTH DUNDAS  
PROJECT: NORTH DUNDAS DRINKING WATER SYSTEM  
WORKS NUM.: 210000728

YEAR: 2016  
WATER SOURCE: GROUNDWATER  
DESIGN CAPACITY: 8,884 m<sup>3</sup>/d

DESCRIPTION: AN EIGHT WELL PUMPING SYSTEM WITH TWO STORAGE RESERVOIRS AND TWO ELEVATED STORAGE TANKS  
DISINFECTION IS WITH SODIUM HYPOCHLORITE.

MONTH	SYSTEM FLOWS (TREATED)			TREATED		DISTRIBUTION		BACTI (INDICATE NO. OF SAMPLES)				RAW WATER	
	TOTAL	AVG DAY	MAX DAY	MIN FREE	MAX FREE	MIN FREE	MAX FREE	<i>E. coli</i> , Total Coliform, HPC					
	FLOW (m <sup>3</sup> )	FLOW (m <sup>3</sup> )	FLOW (m <sup>3</sup> )	CL <sub>2</sub> RESID. (mg/L)	CL <sub>2</sub> RESID. (mg/L)	CL <sub>2</sub> RESID. (mg/L)	CL <sub>2</sub> RESID. (mg/L)	Safe		Adverse		<i>E. coli</i>	
								TREAT	DIST	TREAT	DIST	ABSENT	PRESENT
JAN	64,508	2081	4,017	0.64	3.16	0.64	1.55	60	40	0	0	32	0
FEB	59,895	2085	3,324	0.35	3.13	0.72	1.68	75	50	0	0	40	0
MAR	63,115	2036	3,007	0.63	3.63	0.90	1.77	60	40	0	0	32	0
APR	64,107	2137	3,546	0.49	2.28	0.76	1.81	60	40	0	0	32	0
MAY	74,880	2415	4,654	0.72	3.08	0.68	1.86	75	50	0	0	40	0
JUN	71,597	2387	3,882	0.63	3.97	0.60	2.21	60	40	0	0	32	0
JUL	73,647	2376	3,860	0.67	4.78	0.53	1.97	60	40	0	0	32	0
AUG	76,202	2459	4,244	0.50	3.33	0.70	2.11	75	50	0	0	40	0
SEP	70,163	2891	4,148	0.39	5.00	0.61	1.64	59	45	0	0	32	0
OCT	70,885	2797	4,076	0.54	3.30	0.72	1.91	75	50	0	0	40	0
NOV	61,807	2142	3,707	0.65	5.00	0.92	1.79	63	40	0	0	32	0
DEC	66,759	2154	4,746	0.73	4.53	0.90	2.17	57	40	0	0	31	0
TOTAL	817,365							779	525	0	0	415	0
AVG		2328											
MIN				0.35		0.53							
MAX			4746		5.00	2.21							
CRITERIA				Min CT		0.05	4.00						

COMMENTS: MAX. DAY FLOWS INCLUDE DAYS HYDRANTS WERE FLUSHED (SPRING & FALL)



## Facility Flow Summary

Drinking-Water System Number: 210000728  
 Drinking-Water System Name: NORTH DUNDAS DRINKING WATER SYSTEM  
 Drinking-Water System Owner: Title Holder: Municipality  
 Drinking-Water System Category: Large Municipal Residential  
 Municipal Drinking Water License: 180-101  
 Period being reported: January 1 - December 31, 2016

**Raw Water**

Raw Water (Source Name) Raw Well #1 Winchester  
 Source Type: Drilled  
 Drinking Water Permit to Take Water No: 4175-9C3GPW

Month	Monthly Flow Total (m3/month)	Daily Flow Average (m3/day)	Daily Flow Maximum (m3/day)	Daily Flow Peak Flow Rate (L/sec)
Jan	2483.00	80.10	176.00	7.44
Feb	2975.00	102.59	145.00	7.58
Mar	3274.00	105.61	154.00	7.59
Apr	3245.00	108.17	197.00	7.80
May	3402.60	109.76	317.00	7.81
Jun	4717.00	157.23	340.00	8.27
Jul	4212.00	135.87	296.00	8.29
Aug	4635.00	149.52	265.00	8.15
Sep	12.00	0.40	7.00	8.28
Oct	10.00	0.33	7.00	8.69
Nov	141.00	4.70	118.00	8.70
Dec	2231.00	71.97	188.00	8.36
<b>Total</b>	<b>31337.60</b>			
<b>Avg</b>	<b>2611.47</b>	<b>85.52</b>		
<b>Max</b>	<b>4717.00</b>		<b>340.00</b>	<b>8.70</b>
<b>Criteria</b>			<b>821.00</b>	<b>9.50</b>

## Facility Flow Summary

Drinking-Water System Number: 210000728  
 Drinking-Water System Name: NORTH DUNDAS DRINKING WATER SYSTEM  
 Drinking-Water System Owner: Title Holder: Municipality  
 Drinking-Water System Category: Large Municipal Residential  
 Municipal Drinking Water License: 180-101  
 Period being reported: January 1 - December 31, 2016

### Raw Water

Raw Water (Source Name) Raw Well #5 Winchester  
 Source Type: Drilled  
 Drinking Water Permit to Take Water No: 2181-838S8E

Month	Monthly Flow Total (m3/month)	Daily Flow Average (m3/day)	Daily Flow Maximum (m3/day)	Daily Flow Peak Flow Rate (L/sec)
Jan	3870.00	124.84	326.00	6.03
Feb	3261.00	112.45	221.00	5.58
Mar	3193.00	103.00	235.00	4.82
Apr	3895.00	129.83	284.00	4.98
May	3035.00	97.90	248.00	4.92
Jun	3098.00	103.27	327.00	4.69
Jul	3779.00	121.90	279.00	4.85
Aug	3934.00	126.90	288.00	4.64
Sep	6407.00	213.57	334.00	4.57
Oct	4096.00	136.53	333.00	4.55
Nov	4578.00	152.60	308.00	4.89
Dec	3933.00	126.87	333.00	4.64
<b>Total</b>	47079.00			
<b>Avg</b>	3923.25	129.14		
<b>Max</b>	6407.00		334.00	6.03
<b>Criteria</b>			556.00	6.43

## Facility Flow Summary

Drinking-Water System Number: 210000728  
 Drinking-Water System Name: NORTH DUNDAS DRINKING WATER SYSTEM  
 Drinking-Water System Owner: Title Holder: Municipality  
 Drinking-Water System Category: Large Municipal Residential  
 Municipal Drinking Water License: 180-101  
 Period being reported: January 1 - December 31, 2016

### Raw Water

Raw Water (Source Name) Raw Well #6 Winchester  
 Source Type: Drilled  
 Drinking Water Permit to Take Water No: 0088-9C3JG4

Month	Monthly Flow Total (m3/month)	Daily Flow Average (m3/day)	Daily Flow Maximum (m3/day)	Daily Flow Peak Flow Rate (L/sec)
Jan	7060.00	227.74	436.00	7.50
Feb	6498.00	224.07	453.00	7.59
Mar	6616.00	213.42	316.00	7.55
Apr	7776.00	259.20	521.00	7.61
May	8109.00	261.58	470.00	7.56
Jun	7856.00	261.87	527.00	7.70
Jul	8696.00	280.52	467.00	7.61
Aug	8158.00	263.16	536.00	7.54
Sep	9911.00	330.37	537.00	7.27
Oct	7820.00	260.67	469.00	7.05
Nov	8371.00	279.03	466.00	6.67
Dec	5587.00	180.23	472.00	6.92
<b>Total</b>	92458.00			
<b>Avg</b>	7704.83	253.49		
<b>Max</b>	9911.00		537.00	7.70
<b>Criteria</b>			982.00	11.37

## Facility Flow Summary

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 Drinking-Water System Owner: Title Holder: Municipality  
 Drinking-Water System Category: Large Municipal Residential  
 Municipal Drinking Water License: 180-101  
 Period being reported: January 1 - December 31, 2016

### Raw Water

Raw Water (Source Name): Raw Wellfield #7 Winchester  
 Source Type: Drilled  
 Drinking Water Permit to Take Water No: 0816-838SXR

Month	Monthly Flow Total (m3/month)	Daily Flow Average (m3/day)	Daily Flow Maximum (m3/day)	Daily Flow Peak Flow Rate (L/sec)
Jan	19088.00	615.74	1306.00	18.86
Feb	21768.00	750.62	1336.00	18.43
Mar	23185.00	747.90	1242.00	20.15
Apr	24164.00	805.47	1286.00	18.50
May	26448.00	853.16	1371.00	19.05
Jun	23458.00	781.93	1334.00	20.00
Jul	27413.00	884.29	1349.00	18.34
Aug	27444.00	885.29	1494.00	18.39
Sep	29656.00	988.53	1520.00	19.11
Oct	28983.00	934.94	1486.00	18.94
Nov	23993.00	799.77	1436.00	19.47
Dec	28658.00	924.45	1510.00	18.83
<b>Total</b>	<b>304258.00</b>			
<b>Avg</b>	<b>25354.83</b>	<b>831.01</b>		
<b>Max</b>	<b>29656.00</b>		<b>1520.00</b>	<b>20.15</b>
<b>Criteria</b>			<b>1950.00</b>	<b>22.50</b>

## Facility Flow Summary

Drinking-Water System Number: 210000728  
 Drinking-Water System Name: NORTH DUNDAS DRINKING WATER SYSTEM  
 Drinking-Water System Owner: Title Holder: Municipality  
 Drinking-Water System Category: Large Municipal Residential  
 Municipal Drinking Water License: 180-101  
 Period being reported: January 1 - December 31, 2016

### Raw Water

Raw Water (Source Name) Raw Well #5 Chesterville  
 Source Type: Drilled  
 Drinking Water Permit to Take Water No: 3236-6QWR72 / 4607-AA9HQS / 3380-AC3QF9

Month	Monthly Flow Total (m3/month)	Daily Flow Average (m3/day)	Daily Flow Maximum (m3/day)	Daily Flow Peak Flow Rate (L/sec)
Jan	12827.00	413.77	491.00	17.42
Feb	11697.00	403.34	521.00	17.42
Mar	12534.00	404.32	509.00	17.51
Apr	12111.00	403.70	502.00	17.49
May	15878.00	512.19	1066.00	17.47
Jun	15664.00	522.13	893.00	19.54
Jul	14501.00	467.77	897.00	17.80
Aug	14928.00	481.55	908.00	17.57
Sep	12678.00	422.60	525.00	17.65
Oct	13661.00	440.68	1100.00	17.45
Nov	12004.00	400.13	511.00	17.46
Dec	13478.00	434.77	1052.00	17.92
<b>Total</b>	161961.00			
<b>Avg</b>	13496.75	442.25		
<b>Max</b>	15878.00		1100.00	19.54
<b>Criteria</b>			1960.00	22.73

## Facility Flow Summary

Drinking-Water System Number: 210000728  
 Drinking-Water System Name: NORTH DUNDAS DRINKING WATER SYSTEM  
 Drinking-Water System Owner: Title Holder: Municipality  
 Drinking-Water System Category: Large Municipal Residential  
 Municipal Drinking Water License: 180-101  
 Period being reported: January 1 - December 31, 2016

### Raw Water

Raw Water (Source Name) Raw Well #6 Chesterville  
 Source Type: Drilled  
 Drinking Water Permit to Take Water No: 3236-6QWR72 / 4607-AA9HQS / 3380-AC3QF9

Month	Monthly Flow Total (m3/month)	Daily Flow Average (m3/day)	Daily Flow Maximum (m3/day)	Daily Flow Peak Flow Rate (L/sec)
Jan	17872.00	576.52	1289.00	25.68
Feb	12334.00	425.31	624.00	25.64
Mar	13209.00	426.10	518.00	24.62
Apr	11893.00	396.43	734.00	22.98
May	16934.00	546.26	1180.00	22.90
Jun	15868.00	528.93	714.00	22.92
Jul	13906.00	448.58	890.00	22.81
Aug	17347.00	559.58	1503.00	22.70
Sep	11512.00	383.73	1214.00	22.57
Oct	15637.00	504.42	515.00	9.36
Nov	13794.00	459.80	688.00	21.17
Dec	11780.00	380.00	1440.00	27.49
<b>Total</b>	172086.00			
<b>Avg</b>	14340.50	469.64		
<b>Max</b>	17872.00		1503.00	27.49
<b>Criteria</b>			2615.00	30.25