

Prescott Water Treatment Plant

O. Reg 170/03 Schedule 22 - Summary Report for Municipalities

This report is a summary of water quality information for the Prescott Water Treatment Plant, published in accordance with Schedule 22 of Ontario's Drinking Water Systems Regulation (O. Reg. 170/03) for the reporting period of January 1, 2014 to December 31, 2014. Prescott's 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 Prescott.

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;
- 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.

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	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	n/a			
Ontario Regulation 170/03	n/a			
Drinking Water Works Permit #161-201	n/a			
Municipal Drinking Water Licence #161-101	n/a			
Permit to Take Water # 7007-68CM4B	n/a			
Provincial Officer's Order No.	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 2014 Performance Assessment Report and 2014 Annual Record 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, 2015.

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

MUNICIPALITY: TOWN OF PRESCOTT
PROJECT: PRESCOTT WATER SUPPLY
WORKS NUM.: 220001245
DESCRIPTION: SURFACE WATER TREATMENT PLANT
CHEMICALLY ASSISTED DIRECT FILTRATION

YEAR: 2014
WATER SOURCE: SURFACE
DESIGN CAP.: 8.2 X 1000 m³/d

MONTH	IN HOUSE RESULTS									
	SYSTEM FLOWS (TREATED)			BACKWASH FLOWS		TREATED			DISTRIBUTION	
	Total Flow (m ³)	Avg. Flow (m ³)	Max Day Flow (m ³)	Supernatant Flow To River (m ³)	Settled Solids To Sanitary Sewer (m ³)	Avg. Free Cl ₂ Resid. (mg/L)	Min. Free Cl ₂ Resid. (mg/L)	Max Free Cl ₂ Resid. (mg/L)	Min Free Cl ₂ Resid. (mg/L)	Max Free Cl ₂ Resid. (mg/L)
JAN	66672	2150	2723	3937	2158	1.61	1.39	1.82	0.50	1.44
FEB	60972	2439	4748	3170	1738	1.79	1.15	3.01	0.55	1.68
MAR	70505	2274	2626	4369	2395	1.60	1.30	1.80	0.42	1.36
APR	65435	2182	2426	4501	2468	1.59	1.22	1.77	0.77	1.54
MAY	75594	2438	3133	4806	2634	1.59	1.36	1.91	0.58	1.84
JUN	77088	2569	3746	4303	2359	1.55	1.31	1.93	0.38	1.35
JUL	81284	2622	3809	5548	3041	1.68	1.05	2.38	0.41	1.95
AUG	77277	2492	3428	4081	2237	1.61	1.06	2.04	0.38	1.26
SEP	68151	2271	2948	3804	2085	1.63	1.28	2.14	0.48	1.09
OCT	76153	2456	7126	4737	2597	1.65	1.35	2.62	0.33	1.93
NOV	64839	2161	2429	3913	2145	1.66	1.35	1.88	0.47	1.70
DEC	66766	2154	2684	4247	2328	1.67	1.27	2.35	0.50	2.02
TOTAL	850736									
AVG		2351				1.64				
MAX			7126					3.01		2.02
MIN							1.05		0.33	
CRITERIA			8200				CT	4.00	0.05	4.00

Comments: Distribution FCL2 residuals compiled from OCWA and Municipal records
Max Flow Day October Tower Refill

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MONTH	IN HOUSE RESULTS			IN HOUSE RESULTS (HACH 1720E)						LABORATORY RESULTS						
	SYSTEM FLOWS (RAW)			FILTER 1		FILTER 2		FILTER 3		FILTER Backwash Susp. Solids (mg/L)	E.coli / Tot. Coliform / HPC / Background (Number of Samples Collected)				RAW WATER	
	Total Flow (m ³)	Avg. Day Flow (m ³)	Max. Flow (L/min)	Avg. Turbidity (NTU)	Max. Turbidity (NTU)	Avg. Turbidity (NTU)	Max. Turbidity (NTU)	Avg. Turbidity (NTU)	Max. Turbidity (NTU)		Safe		Adverse		Coliform Max. Count	E.coli Max. Count
										Treated	Distribution	Treated	Distribution			
JAN	67991	2193	3733	0.037	0.151	0.033	0.064	0.065	0.189	4	12	36	0	0	80	2
FEB	69690	2489	5553	0.040	0.250	0.034	2.990	0.061	0.910	9	12	36	0	0	19	0
MAR	73102	2358	4465	0.040	0.065	0.028	0.170	0.058	0.170	4	15	45	0	0	6	0
APR	67443	2248	4465	0.045	0.082	0.034	0.110	0.070	0.580	<2	12	36	0	0	13	1
MAY	77111	2487	5633	0.053	0.189	0.039	0.190	0.065	0.225	5	12	36	0	0	34	3
JUN	78217	2607	5180	0.043	0.110	0.032	0.110	0.056	0.520	3	15	45	0	0	71	1
JUL	82287	2654	5201	0.050	0.150	0.037	0.220	0.058	0.500	3	12	36	0	0	>200	5
AUG	78153	2521	5108	0.046	0.098	0.035	0.108	0.056	0.136	4	12	36	0	0	>200	12
SEP	68425	2280	5041	0.050	0.115	0.044	0.119	0.050	0.130	4	15	45	0	0	>200	2
OCT	72485	2338	4966	0.050	0.119	0.035	0.146	0.053	0.121	4	12	40	0	0	>200	2
NOV	66466	2215	4847	0.043	0.076	0.034	0.090	0.051	0.070	3	12	36	0	0	>200	4
DEC	68419	2207	3717	0.038	0.077	0.035	0.070	0.057	0.100	3	15	45	0	0	>200	3
TOTAL	869789										156	472	0	0		
AVG		2383		0.04		0.04		0.06		4.18						
MAX			5633		0.25		2.99		0.91	9.0					>400	12
MIN																
CRITERIA			5694.4		<1		<1		<1	25						

COMMENTS:

Personal information contained on this form is collected under the authority of the Ontario Water Resources Act, Section 20. The Purpose of the form is to record details and information about the taking of water annually. Questions should be directed to the respective hub office in your area.

Les renseignements personnels qui figurent dans le présent formulaire sont recueillis en vertu de l'article 20 de la Loi sur les ressources en eau de l'Ontario. Ce formulaire sert à dossiers les détails et les renseignements concernant la prise d'eau annuelle. Prière d'adresser toutes questions au personnel du bureau régional de votre secteur.

Year(Année): 2014 Permit No.(N° de permis): 7007-68CM4B Source: St. Lawrence River
 Location: RW - Raw water

Name of Permittee: Town of Prescott Mailing Address: 360 Dibble st. West P.O. Box 160 Prescott
Nom du titulaire du permis Adresse postale

Location Of Taking: Twp. or Municipality: Concession: Lot:
Lieu de la prise d'eau Canton ou municipalité
 675 Corrine St. Town of Prescott

	Jan/2014	Feb/2014	Mar/2014	Apr/2014	May/2014	Jun/2014	Jul/2014	Aug/2014	Sep/2014	Oct/2014	Nov/2014	Dec/2014	<-- Total -->	<-- Avg. -->	<-- Max. -->	<-- Criteria-->
Avg Daily Taking(m3)	2,193.26	2,488.93	2,358.13	2,248.1	2,487.45	2,607.23	2,654.42	2,521.06	2,280.83	2,338.23	2,215.53	2,207.06		2,383.35		8,200.0
Total Amt of Taking(m3)	67,991.0	69,690.0	73,102.0	67,443.0	77,111.0	78,217.0	82,287.0	78,153.0	68,425.0	72,485.0	66,466.0	68,419.0	869,789.0			
Max Daily Flow(m3)	2,842.0	4,648.0	2,705.0	2,515.0	3,124.0	4,071.0	3,727.0	3,430.0	2,800.0	4,206.0	2,499.0	2,646.0			4,648.0	8,200.0
Peak Daily Rate of Taking(L/min)	3,733.0	5,553.0	4,465.0	4,465.0	5,633.0	5,180.0	5,201.0	5,108.0	5,041.0	4,966.0	4,847.0	3,717.0			5,633.0	5,694.0