

Crysler Drinking Water System
O. Reg 170/03 Schedule 22 - Summary Report for Municipalities

This report is a summary of water quality information for Chrysler's 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. Chrysler'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 Township of North Stormont.

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 Regulations	n/a			
Permit to Take Water # 1075-9AENZU	n/a			
Drinking Water Works Permit #182-202	n/a			
Municipal Drinking Water Licence #182-102	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 for Chrysler's Drinking Water System, 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: TOWNSHIP OF NORTH STORMONT
 PROJECT: CRYSLER WATER SUPPLY
 ORG. NUM.: 6054
 WORKS NUM.: 220008649
 DESCRIPTION: TWO WELLS EQUIPPED WITH SUBMERSIBLE PUMPS CAPABLE OF DELIVERING 19.5 L/S, AN ULTRAVIOLET

YEAR: 2016
 WATER SOURCE: GROUNDWATER
 DESIGN CAPACITY: 1.685 X 1000 m³/d

DISINFECTION SYSTEM, A SODIUM HYPOCHLORITE POST-DISINFECTION SYSTEM, AND AN ELEVATED STORAGE TANK

MONTH	SYSTEM FLOWS (TREATED)			TREATED		DISTRIBUTION		<i>E.coli</i> , Tot.Coliform, HPC, Background				RAW WATER	
	TOTAL FLOW	AVG DAY FLOW	MAX DAY FLOW	MIN FREE CL ₂ RESID.	MAX FREE CL ₂ RESID.	MIN FREE CL ₂ RESID.	MAX FREE CL ₂ RESID.	SAFE		ADVERSE		<i>E. coli</i>	
	m ³	m ³	m ³	(mg/L)	(mg/L)	(mg/L)	(mg/L)	TREAT	DIST	TREAT	DIST	TAKEN	DETECTED
JAN	8,700	281	478	1.09	2.00	0.90	1.56	12	20	0	0	8	0
FEB	7,905	273	435	0.92	3.15	1.00	1.53	15	25	0	0	10	0
MAR	8,588	277	399	1.36	2.95	1.01	2.27	12	20	0	0	8	0
APR	8,651	288	461	1.26	1.83	0.91	1.81	12	20	0	0	8	0
MAY	11,166	360	617	0.96	2.76	0.93	1.74	15	25	0	0	10	0
JUN	12,579	419	592	0.81	2.23	0.79	1.61	12	20	0	0	8	0
JUL	11,139	359	495	0.93	2.66	0.56	1.78	12	20	0	0	8	0
AUG	11,414	368	517	0.86	3.27	0.54	1.41	15	25	0	0	10	0
SEP	9,058	302	433	1.14	2.13	0.65	2.20	12	20	0	0	8	0
OCT	9,703	313	547	0.72	2.49	0.70	2.36	15	25	0	0	10	0
NOV	8,868	296	421	1.01	2.04	0.93	1.47	12	20	0	0	8	0
DEC	9,082	293	428	0.70	2.35	1.10	1.94	12	20	0	0	8	0
TOTAL	116,853							156	260	0	0	104	0
AVG		319											
MIN				0.70		0.54							
MAX			617		3.27		2.36						
CRITERIA				0.20		0.05	4.00						

COMMENTS: MAX. DAY FLOWS INCLUDE DAYS THAT HYDRANTS WERE FLUSHED.

Facility Flow Summary

Drinking-Water System Number: 220008649
 Drinking-Water System Name: CRYSLER DRINKING WATER SYSTEM
 Drinking-Water System Owner: Title Holder: Municipality
 Drinking-Water System Category: Large Municipal Residential
 Municipal Drinking Water License: 182-102
 Period being reported: January 1 - December 31, 2016

Raw Water

Raw Water (Source Name) Raw Well #1
 Source Type: Drilled
 Drinking Water Permit to Take Water No: 1075-9AENZU

Month	Monthly Flow Total (m3/month)	Daily Flow Average (m3/day)	Daily Flow Maximum (m3/day)	Daily Flow Peak Flow Rate (L/sec)
Jan	8700.00	280.65	478.00	13.03
Feb	7905.00	272.59	435.00	13.11
Mar	8588.00	277.03	399.00	13.13
Apr	8651.00	288.37	461.00	13.16
May	11166.00	360.19	617.00	13.95
Jun	12579.00	419.30	592.00	13.27
Jul	11139.00	359.32	495.00	12.98
Aug	11414.00	368.19	517.00	12.99
Sep	9058.00	301.93	433.00	12.74
Oct	9703.00	313.00	547.00	13.28
Nov	8868.00	295.60	421.00	12.82
Dec	9082.00	292.97	428.00	12.89
Total	116853.00			
Avg	9737.75	319.10		
Max	12579.00		617.00	13.95
Criteria			1684.00	19.50

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 Drinking-Water System Category: Large Municipal Residential
 Municipal Drinking Water License: 182-102
 Period being reported: January 1 - December 31, 2016

Raw Water

Raw Water (Source Name) Raw Well #2
 Source Type: Drilled
 Drinking Water Permit to Take Water No: 1075-9AENZU

Month	Monthly Flow Total (m3/month)	Daily Flow Average (m3/day)	Daily Flow Maximum (m3/day)	Daily Flow Peak Flow Rate (L/sec)
Jan	32.00	1.03	14.00	13.35
Feb	23.00	0.79	8.00	13.42
Mar	7.00	0.23	4.00	13.42
Apr	7.00	0.23	2.00	18.59
May	6.00	0.19	2.00	18.92
Jun	4.00	0.13	1.00	13.32
Jul	16.00	0.52	7.00	13.24
Aug	7.00	0.23	2.00	16.07
Sep	8.00	0.27	2.00	13.29
Oct	8.00	0.26	3.00	13.24
Nov	5.00	0.17	2.00	13.12
Dec	6.00	0.19	4.00	12.99
Total	129.00			
Avg	10.75	0.35		
Max	32.00		14.00	18.92
Criteria			1684.00	19.50