

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, 2017 to December 31, 2017. 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 2017 Performance Assessment Report and 2017 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, 2018.

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

YEAR: 2017
 WATER SOURCE: GROUNDWATER
 DESIGN CAPACITY: 1.685 X 1000 m³/d

| MONTH | SYSTEM FLOWS (TREATED) | | | TREATED | | DISTRIBUTION | | <i>E.coli</i> , Tot.Coliform, HPC, Background | | | | RAW WATER | |
|----------|------------------------------|--------------------------------|--------------------------------|---|---|---|---|---|------|---------|------|----------------|----------|
| | TOTAL FLOW m ³ | AVG DAY FLOW m ³ | MAX DAY FLOW m ³ | 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) | SAFE | | ADVERSE | | <i>E. coli</i> | |
| | | | | | | | | TREAT | DIST | TREAT | DIST | TAKEN | DETECTED |
| | | | | | | | | | | | | | |
| JAN | 9,187 | 296 | 552 | 0.86 | 3.91 | 0.65 | 1.95 | 15 | 25 | 0 | 0 | 10 | 0 |
| FEB | 8,102 | 289 | 460 | 1.20 | 2.83 | 1.19 | 1.88 | 12 | 20 | 0 | 0 | 8 | 0 |
| MAR | 9,165 | 296 | 624 | 0.86 | 4.62 | 1.29 | 1.97 | 12 | 20 | 0 | 0 | 8 | 0 |
| APR | 9,053 | 302 | 376 | 1.75 | 3.27 | 0.99 | 1.78 | 12 | 20 | 0 | 0 | 8 | 0 |
| MAY | 10,416 | 336 | 652 | 1.71 | 2.23 | 1.28 | 1.81 | 15 | 25 | 0 | 0 | 10 | 0 |
| JUN | 10,075 | 336 | 599 | 1.42 | 3.03 | 1.20 | 1.81 | 12 | 20 | 0 | 0 | 8 | 0 |
| JUL | 9,333 | 301 | 387 | 1.19 | 1.94 | 1.10 | 1.59 | 15 | 25 | 0 | 0 | 10 | 0 |
| AUG | 9,951 | 321 | 424 | 0.42 | 5.00 | 1.12 | 1.50 | 12 | 20 | 0 | 0 | 8 | 0 |
| SEP | 9,279 | 309 | 445 | 0.35 | 3.25 | 0.92 | 1.70 | 12 | 20 | 0 | 0 | 8 | 0 |
| OCT | 10,305 | 332 | 639 | 0.53 | 3.51 | 0.91 | 1.55 | 15 | 25 | 0 | 0 | 10 | 0 |
| NOV | 8,946 | 298 | 425 | 0.37 | 2.06 | 1.00 | 1.92 | 12 | 20 | 0 | 0 | 8 | 0 |
| DEC | 9,762 | 315 | 454 | 0.72 | 3.36 | 1.32 | 2.08 | 12 | 20 | 0 | 0 | 8 | 0 |
| TOTAL | 113,574 | | | | | | | 156 | 260 | 0 | 0 | 104 | 0 |
| AVG | | 311 | | | | | | | | | | | |
| MIN | | | | 0.35 | | 0.65 | | | | | | | |
| MAX | | | 652 | | 5.00 | | 2.08 | | | | | | |
| 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, 2017

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 | 9187.00 | 296.35 | 552.00 | 12.89 |
| Feb | 8102.00 | 289.36 | 460.00 | 13.13 |
| Mar | 9165.00 | 295.65 | 624.00 | 13.01 |
| Apr | 9053.00 | 301.77 | 376.00 | 13.01 |
| May | 10416.00 | 336.00 | 652.00 | 13.34 |
| Jun | 10075.00 | 335.83 | 599.00 | 12.76 |
| Jul | 9333.00 | 301.06 | 387.00 | 12.83 |
| Aug | 9951.00 | 321.00 | 424.00 | 12.76 |
| Sep | 9279.00 | 309.30 | 445.00 | 12.79 |
| Oct | 10305.00 | 332.42 | 639.00 | 13.34 |
| Nov | 8946.00 | 298.20 | 425.00 | 12.98 |
| Dec | 9762.00 | 314.90 | 454.00 | 12.78 |
| | | | | |
| Total | 113574.00 | | | |
| Avg | 9464.50 | 310.99 | | |
| Max | 10416.00 | | 652.00 | 13.34 |
| Criteria | | | 1684.00 | 19.50 |

Facility Flow Summary

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 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, 2017

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 | 6.00 | 0.19 | 2.00 | 12.97 |
| Feb | 10.00 | 0.36 | 3.00 | 18.91 |
| Mar | 5.00 | 0.16 | 2.00 | 12.65 |
| Apr | 10.00 | 0.33 | 4.00 | 18.75 |
| May | 5.00 | 0.16 | 1.00 | 10.62 |
| Jun | 4.00 | 0.13 | 1.00 | 10.62 |
| Jul | 5.00 | 0.16 | 1.00 | 10.92 |
| Aug | 8.00 | 0.26 | 3.00 | 10.57 |
| Sep | 4.00 | 0.13 | 1.00 | 10.50 |
| Oct | 6.00 | 0.19 | 2.00 | 10.52 |
| Nov | 5.00 | 0.17 | 2.00 | 10.49 |
| Dec | 4.00 | 0.13 | 1.00 | 10.43 |
| | | | | |
| Total | 72.00 | | | |
| Avg | 6.00 | 0.20 | | |
| Max | 10.00 | | 4.00 | 18.91 |
| Criteria | | | 1684.00 | 19.50 |