

to

Ministry of the Environment,
and Climate Change
CONSERVATION AND PARKS

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Ministère de l'Environnement et de l'Action
en matière de changement climatique



Provincial Officer's Order

Order Number
1-IXCS7

Environmental Protection Act, R.S.O. 1990, c.E 19 (EPA)
Nutrient Management Act, R.S.O. 2002, c.4 (NMA)
Ontario Water Resources Act, R.S.O. 1990, c.O. 40 (OWRA)
Pesticides Act, R.S.O. 1990, c. P11 (PA)
Safe Drinking Water Act, S.O. 2002, c.32 (SDWA)

13

To: KAWARTHA LAKES, CITY OF
12 PEEL St
LINDSAY ON K9V 5R8
Canada

ONTARIO CLEAN WATER AGENCY
123 East St.
Bobcaygeon, ON
K0M 1A0

Site:
Woodville Drinking Water System Treatment Plant,
Mariposa Geographic Township,
Concession 6 Lot 13.

Site: WOODVILLE DRINKING WATER SYSTEM

Work Ordered

I hereby order Ontario Clean Water Agency to do the following with respect to the Woodville Drinking Water System.

This Order is being issued pursuant to my authority under sections 105 and 106, and subsection 162(1) of the Safe Drinking Water Act, 2002, S.O. 2002, c. 32.

1. By no later than July 27, 2018 replace the cartridge filters currently in use with cartridge filters that are NSF Standard 53 (or equivalent) certified. Provide a copy of the certification to the undersigned Provincial Officer or make application to the Ministry, with copy to the undersigned Provincial Officer for relief from the requirement to provide NSF 53 certified filtration as required by Schedule 1 of O.R. 170/03."
2. By no later than July 27, 2018 provide to the undersigned Provincial Officer documentation confirming that the certified cartridge filters have been installed, including detailed documentation indicating the specifications of the cartridge filters.
 - A. While this Order is in effect, a copy or copies of this order shall be posted in a conspicuous place.
 - B. While the Order is in effect, report in writing, to the District or Area Office, any significant changes of operation, emission, ownership, tenancy or other legal status of the facility or operation.

This Order is being issued for the reasons set out in the annexed Provincial Officer's Report which forms part of the Order.

Issued at Peterborough this 04/07/2018 (dd/mm/yyyy)

Corey Biswanger
Badge Number: 1814
Peterborough District

APPEAL/REVIEW INFORMATION

REQUEST FOR REVIEW

You may request that this order be reviewed by the Director. Your request must be made in writing (or orally with written confirmation) within seven days of service of this order and sent by mail or fax to the Director at the address below. In the written request or written confirmation you must,

- specify the portions of this order that you wish to be reviewed;
- include any submissions to be considered by the Director with respect to issuance of the order to you or any other person and within respect to the contents of the order;
- apply for a stay of this order, if necessary; and provide an address for service by one of the following means:
 1. Mail
 2. Fax

The Director may confirm, alter or revoke this order. If this order is revoked by the Director, you will be notified in writing. If this order is confirmed or amended by order of the Director, the Director's order will be served upon you. The Director's order will include instructions for requiring a hearing before the Environmental Review Tribunal.

DEEMED CONFIRMATION OF THIS ORDER

If you do not receive oral or written notice of the Director's decision within seven days of receipt of your request, this order is deemed to be confirmed by order of the Director and deemed to be served upon you.

You may require a hearing before the Environmental Review Tribunal if, within 15 days of service of the confirming order deemed to have been made by the Director, you serve written notice of your appeal on the Environmental Review Tribunal and the Director. Your notice must state the portions of the order for which a hearing is required and the grounds on which you intend to rely at the hearing. Except by leave of the Environmental Review Tribunal, you are not entitled to appeal a portion of the order or to rely on grounds of appeal that are not stated in the notice requiring the hearing. Unless stayed by the Environmental Review Tribunal, the order is effective from the date of service.

Written notice requiring a hearing must be served personally or by mail upon:

The Secretary
Environmental Review Tribunal
655 Bay Street, 15th Floor
Toronto, ON M5G 1E5

and

Director (Provincial Officer Orders)
Ministry of the Environment and Climate Change
Robinson Place
(705) 755 4343

Where service is made by mail, it is deemed to be made on the fifth day after the date of mailing and the time for requiring a hearing is not extended by choosing service by mail.

Further information on the Environmental Review Tribunal's requirements for an appeal can be obtained directly from the Tribunal by

Tel: (416) 212-6349

Fax: (416) 326-5370

www.ert.gov.on.ca

FOR YOUR INFORMATION

- Unless stayed by the Director of the Environmental Review Tribunal, this order is effective from the date of service. Non-compliance with the requirements of this order constitutes an offence.
- The requirements of this order are minimum requirements only and do not relieve you from complying with the following:
 - Any applicable federal legislation;
 - Any applicable provincial requirements that are not addressed in the order; and
 - Any applicable municipal law.
- The requirements of this order are severable. If any requirement of this order or the application of any requirement to any circumstances is held invalid, the application of such requirement to other circumstances and the remainder of the order are not affected.
- Further orders may be issued in accordance with the legislation as circumstances require.
- The procedures to request a review by the Director and other information provided above are intended as a guide. The legislation should be consulted for additional details and accurate reference.

Provincial Officer's Report

Order Number
1-IXCS7

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To:
KAWARTHA LAKES, CITY OF
12 PEEL St
LINDSAY ON K9V 5R8
Canada

ONTARIO CLEAN WATER AGENCY
123 East St.
Bobcaygeon, ON
K0M 1A0

Site:
Woodville Drinking Water System Treatment Plant,
Mariposa Geographic Township,
Concession 6 Lot 13.

Site:

Observations

This Order is being issued pursuant to my authority under sections 105 and 106, and subsection 162(1) of the Safe Drinking Water Act, 2002, S.O. 2002, c. 32.

For the purpose of this Order, the following terms shall have the meanings described below:

"Ontario Regulation 170/03" means Drinking Water Systems Ontario Regulation 170/03 under the Safe Drinking Water Act, 2002, S.O. 2002, c. 32.

"Operator" means a person who conducts operational checks of or who adjusts, tests or evaluates a process that controls the effectiveness or efficiency of a drinking water system and includes a person who adjusts or directs the flow, pressure or quality of the water.

"Operating Authority of the Woodville Drinking Water System" means the Ontario Clean Water Agency.

"Provincial Officer" means the undersigned provincial officer or, in the event that the undersigned is unable to act, any other provincial officer authorized to act pursuant to the Safe Drinking Water Act, 2002.

"Woodville Drinking Water System" means the drinking water system located at the Site that services the the town of Woodville Ontario in the City of Kawartha Lakes.

"Site" means the Woodville Drinking Water System Treatment Plant located in the Mariposa Geographic Township, Concession 6 Lot 13.

Woodville Drinking Water System

The Woodville Drinking Water System is located in the Mariposa Township, Concession 6 Lot 13 in the City of Kawartha Lakes. The Woodville Drinking Water System Treatment Plant is owned by The Corporation of the City of Kawartha Lakes and is operated by crown corporation Ontario Clean Water Agency. The Woodville Drinking Water System, assigned Drinking Water System number 210001077, is a large municipal residential drinking water system. The system serves a population of 740. The Woodville treatment plant consists of groundwater under the direct influence of surface water supply from two drilled production wells. Water treatment components consist of two filter trains operated individually through a series of 1 micron nominal cartridge filters followed by a second series of 1 micron absolute cartridge filters. Primary disinfection is achieved using sodium hypochlorite.

Events Leading to the Order

On May 8, 2018 I met with Ontario Clean Water Agency personnel and conducted the field portion of the drinking water system compliance inspection for the Woodville Drinking Water System.

During the inspection I asked for evidence indicating that all chemicals and materials which come into contact with water within the drinking water system have met all the applicable NSF standards in accordance with the Drinking Water Works Permit #141-215 and Municipal Drinking Water Licence #141-115 issued to the owner, The Corporation of the City of Kawartha Lakes for the Woodville drinking water system. I was provided with a document for the Flotrex GF 1 micron absolute cartridge filters. I found that this document did not confirm that the filters are NSF 61 certified as per Woodville Drinking Water System Municipal Drinking Water Licence #141-115 and asked Ontario Clean Water Agency personnel on May 23, 2018 to confirm with the filter manufacturer whether or not these filters meet the NSF 61 requirement and provide documentation confirming this.

On June 15, 2018 at 15:29 I was sent an email stating that although the cartridge filters meet NSF 61 equivalence, the Flotrex GF cartridge filters are not NSF 53 certified.

Since the Flotrex GF cartridge filters are not NSF 53 certified the Woodville Drinking Water System is not meeting the log removal/inactivation requirements prescribed in Schedule E of the Municipal Drinking Water Licence #141-115 for Cryptosporidium Oocysts and Giardia Cysts.

On June 15, 2018 at 15:53 I advised Ontario Clean Water Agency personnel that since some of the filters are not NSF 53 certified they are required to report to the Health Unit and Spills Action Centre that potentially untreated water is being supplied to the consumers.

On June 15, 2018 Ontario Clean Water Agency personnel confirmed that the Health Unit corrective actions were to increase the free chlorine residual to 2.0 mg/l and collect a treated water bacteriological sample and continue to collect 3 bacteriological samples every week until NSF 53 certified cartridge filters are installed. Ontario Clean Water Agency personnel confirmed that corrective actions prescribed by the Health Unit were in place.

For the reasons set out in the Report, I reasonably believe that The Corporation of the City of Kawartha Lakes and Ontario Clean Water Agency has contravened or is contravening those provisions of Ontario Regulation 170/03 as outlined in the Suspected Violation(s)/Offence(s) section of this Report.

I am issuing this Order to Ontario Clean Water Agency as the party that manages and has control of the Woodville Drinking Water System to comply with the directions in this Order.

Ontario Clean Water Agency has confirmed for me that the cartridge filters have been ordered and the expected date of arrival is on or before July 27, 2018.

The issuance of this Order is to formalize the required compliance matter.

Offence(s)

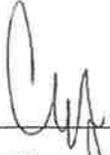
Suspected Violation(s)/Offence(s)

Act – Regulation – Section

Description

O.Reg. 170/03 1-2(2)3

1-2(2) The owner of a drinking water system and the operating authority for the system shall ensure the following: 3. The water treatment equipment required by section 1-3 or 1-4 is operated in a manner that achieves the design capabilities it is required to have under that section.



Corey Biswanger
Provincial Officer
Badge Number: 1814