CORPORATION OF THE TOWN OF HAWKESBURY

WATER WORKS
COMPLIANCE REPORT
2002

PREPARED BY: **TOWN OF HAWKESBURY**
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SUBMITTED ON: **March 31, 2003**

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The Town of Hawkesbury is submitting to the citizens of the Town of Hawkesbury our first ***Compliance Report*** for the period from January 1, 2002 to December 31, 2002. The province's Drinking Water Protection Regulation (O.Reg. 459/00) requires that we publish the report for your information. Furthermore, as directed in our amended Consolidated Certificate of Approval (MOE Reference no. 4951-5K7JUD) dated the 28th day of February 2003, Condition no. 4 stipulates that the Owner "Town of Hawkesbury" has to submit a written report detailing compliance with all terms and conditions of the said Certificate of Approval. The report shall be completed and made available not later than March 31, 2003.

OVERVIEW OF OUR SYSTEM

Our waterworks currently serves a population of 10,154 in Hawkesbury and a population of approximately 2,000 in the Township of Champlain. In accordance with its Official Plan, all development in the Town has been provided with municipal water and sewer services. Water is supplied by the Water Filtration Plant, which is owned and operated by the municipality, and sewage is treated at the Water Pollution Control Plant which is owned by the municipality and operated by the Ontario Clean Water Agency.

Our Water Filtration Plant is located at 670 Main Street West in Hawkesbury, Ontario. The plant was constructed in 1953 and upgraded and expanded in 1996. The system's upgrade and expansion consisted mainly of the following works:

- Construction and integration of a second clarifier unit in the treatment process complete with related piping, controls, etc...
- Construction and integration of a second 2,760 m^3 potable water underground storage complete with related piping, controls, etc...
- Construction of new settling and decanting tanks for clarifier sludge and backwash wastewater.
- Supply and installation of new high lift pumping equipment.
- Supply and installation of a new SCADA control system.
- Replacement and/or relocation of yard piping.

We also have a 5,454 cubic metre elevated storage reservoir in our distribution system located on Spence Avenue.

WHERE YOUR WATER COMES FROM

Have you ever really thought about where your water comes from? In the Town of Hawkesbury, our source is the Ottawa River, a fairly large body of water. Our intake is located 90 metres from the river shore and is 4.5 metres in depth from the normal water level.

Because of the location and depth of the intake, the water quality does not change quickly. This makes it easier for waterworks staff to produce a consistently safe water. The outfall of the sewage plant discharges downstream from the water intake, and therefore has no impact on our water supply.

The source of water has to be treated to eliminate bacteria, turbidity, organic substances and colour (the natural colour in our water is elevated) in order to produce the best drinking water quality possible and having the lowest levels of aluminium, trihalomethanes (THMs), etc.... THMs are a byproduct of the chlorination of water with organic substances and colour content. By removing most of the organic substances and colour during treatment and monitoring our chlorine addition, we can control the formation of THMs.

WHAT IS IN YOUR WATER

Some parameters may be present in source water before we treat it. Here is a description of the various groups of parameters.

Microbiological parameters such as bacteria may come from sewage plants, livestock operations, septic systems and wildlife. Microbiological quality is the most important aspect of drinking water quality because of its association with dangerous water-borne diseases which can strike quickly.

Inorganic parameters such as salts and metals can be naturally occurring or a result of urban storm runoff, industrial or domestic wastewater discharge, mining or agriculture. Some may be a result of treatment and distribution of water (for example, lead from old solder in pipes).

Organic parameters can be naturally occurring but most organics of concern are synthetic. They originate from industrial discharges, urban storm runoff and other sources. Included in this group are pesticides that originate from both rural and urban areas. Some may originate from treatment of drinking water (for example, chlorination byproducts such as trihalomethanes).

The municipality participates in the Drinking Water Surveillance Program for Ontario which is a monitoring program providing immediate, reliable, current information on drinking water quality. Laboratory analysis are conducted to detect the presence of over 120 parameters in the source water. The municipality is immediately advised when a problem is detected.

TYPES OF TREATMENT

The conventional treatment used consists of the following :

- **Coagulation-floculation-decantation :** This process eliminates approximately 99 % of all organic substances, bacteria, color, etc...

- **Filtration :** This process eliminates the small particles not treated in above process.
- **Disinfection and fluoridation :** This process is carried out before the water is stored in the water tank. This chlorine disinfection ensures the elimination of all bacteria. A fluoridation is carried out simultaneously (the main purpose of the fluoridation is to prevent tooth decay in children). The disinfection process is a prime necessity to ensure that the quality of drinking water meets the Ontario Ministry of Environment regulations. Afterwards, the drinking water is pumped into the municipal water distribution system.
- **Distribution :** The distribution is the final stage where the drinking water is distributed to residences, businesses, institutions and industries.

COMPLIANCE WITH TERMS AND CONDITIONS OF THE CERTIFICATE OF APPROVAL

The Town of Hawkesbury, as Owner of our water system, is fully committed to provide safe drinking water to the community. Therefore, the Town has taken in 2002 all the required measures to ensure compliance with the terms and conditions of our Certificate of Approval and the province's Drinking Water Protection Regulation (O.Reg. 459/00)

WHAT IS AN AMENDED CERTIFICATE OF APPROVAL

As per Section 52 of the Ontario Water Resources Act, the Town of Hawkesbury has applied for an approval for a surface water treatment plant servicing the Town of Hawkesbury. The Certificate of Approval contains the following:

A. DESCRIPTION OF THE EXISTING WATER WORKS FACILITIES

1) Proposed Water Works Upgrades.
2) Existing Water Works

TERMS AND CONDITIONS OF THE CERTIFICATE OF APPROVAL

1) Performance
2) Monitoring and Recording
3) Operations and Maintenance
4) Compliance Report
5) Upgrading Requirements
6) Subsequent Engineer's Reports
7) Revocation of Existing Approvals
8) Information
9) Change of Ownership
10) Interpretation (Severability and Conflicts)

Compliance to the terms and conditions of the MOE Certificate of Approval no. 4951-5K7JUD (see Appendix "A" attached hereto)

Conditions 1.1 and 1.4:

Conditions 1.1 and 1.4 are included so that the water quality delivered by the water treatment plant satisfies the current Ontario Drinking Water Standards in order to protect public health and so that the water is aesthetically acceptable.

THE OWNER HAS COMPLIED WITH CONDITIONS 1.1 AND 1.4 OF THE CERTIFICATE OF APPROVAL.

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Conditions 1.2 and 1.3:

Conditions 1.2 and 1.3 are included so that the flow rate of water through the works is within the approved treatment capacity of the works.

The maximum total water production for the year 2002 was 14,544 m^3/d and the maximum flow rate permitted under the Certificate of Approval is 27,275 m^3/d. Said production occurred in August 2002.

The Permit to Take Water no. 94-P-4011, dated March 11, 1994, will be valid until March 30, 2004 and the maximum rate of taking is not to exceed 36,363 m^3/d.

THE OWNER HAS COMPLIED WITH CONDITIONS 1.2 AND 1.3 OF THE CERTIFICATE OF APPROVAL.

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Condition 1.5

Condition 1.5 is imposed to set out the maximum concentration of suspended solids which is allowed in any waste discharge to the receiving water body. This limit is established to minimize the environmental impact to the receiver.

During the backwash process, the wastewater goes through a settled tank for three (3) hours, then the wastewater is discharged to the Ottawa River and the sludge is discharged to the sanitary sewer and treated at the sewer treatment plant. Based on our analysis, we have not exceeded the annual average concentration of 25 mg/L of suspended solids.

THE OWNER HAS COMPLIED WITH CONDITION 1.5 OF THE CERTIFICATE OF APPROVAL.

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Conditions 2.1 and 2.2:

Conditions 2.1 and 2.2 related to the flow metering, sampling and monitoring program are imposed so that all pertinent data are available for the works performance evaluation and so that the works is operated and maintained at the level consistent with the design objectives, and is effective in producing water of an acceptable quality at all times.

The Owner has installed, maintained and operated a sufficient number of flow measuring devices to measure and record all data required by the Certificate of Approval related but not limited to flow rate and daily quantity of water being taken from the intake and conveyed to and through the water treatment plant, flow rate of treated water supplied to the distribution system, water production, maximum consumption, etc…

Furthermore, the Owner has installed, maintained and operated water quality analyzers with alum system for continuous monitoring. In fact, sophisticated and precise equipment ensures a quality of water that is conforming to the Ontario Ministry of Environment regulations. Furthermore, the equipment at the Water Filtration Plant is verified daily to ascertain its proper functioning by conducting laboratory testing.

Once a week, water bacterial analysis are carried out by an independent laboratory, certified by the Canadian Association of Environmental Analytical Laboratories and the Standard Council of Canada. The operator takes 8 samples at different areas throughout the municipality and one sample of raw water. These samples are then sent to the laboratory for analysis.

The following analysis are carried out :
- total coliform bacteria
- E-Coli
- background colonies

It is to be noted that all written results are obtained within a delay of 48 hours. However, if a problem arises, the municipality is advised within a delay of 24 hours, being the incubation period.

Samples from the distribution water, decanted water, filtered water and raw water are analysed for total coliform bacteria once a week by the personnel of the Waterworks Department of the Town of Hawkesbury. Various testing is also conducted daily, such as pH, turbidity, alkaline, hardness, chlorine, etc...).

In 2002, the Owner has proceeded with upgrades. The upgrade objectives were the following:

1. To upgrade the DCS (Distributed Control System) to allow for some spare capacity.
2. To provide a reliable system for remote alarming.
3. To meet the requirements of the Certificate of Authorization and Engineer's Report.

THE OWNER HAS COMPLIED WITH CONDITIONS 2.1 AND 2.2 OF THE CERTIFICATE OF APPROVAL.

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Conditions 3.1 through 3.9 and 3.11 through 3.14:

Conditions 3.1 through 3.9 and 3.11 through 3.14 are included so that the works will be operated, maintained, funded, staffed and equipped in a manner enabling compliance with the terms and conditions of this certificate and that the Owner can deal with contingency and/or emergency situations.

Condition 3.1: The Owner is dedicated to provide safe drinking water and the undersigned, being the person designated by the Municipal Council to submit the Compliance Report 2002 on behalf of the Owner, is a Professional Engineer, as defined in the Professional Engineers Act, GENERAL R.R.O. 1990, Reg. 941 of the Revised Regulations of Ontario, 1990, REGULATION 941, Amended to O.Reg. 286/99. Article 77 "The following is the Code of Ethics of the Association", Section 2 i.) states as follows: "A practitioner shall, regard the practitioner's duty to public welfare as paramount."

Condition 3.2: All repairs to the water supply or distribution system have been in compliance to condition 3.2.

Condition 3.3: The water system is operated by three (3) operators and a superintendent. The water filtration plant is classified as being a Class III and the distribution system as being a Class II. The superintendent and two (2) operators are classified III for the water filtration plant and II for distribution. One (1) operator is classified II in both categories and he is in the process of obtaining a Class III for the water filtration plant.

Conditions 3.4, 3.5 and 3.6: The operational budget of the waterworks department was $1,373,483.13 for 2002. Furthermore, the Owner has a reserve fund in the amount of $788,000.00 for emergency funds and capital expenses.

All chemical products used in the treatment process meet both the AWWA quality criteria and the ANSI standards NSF/60 or NSG/61. The Owner has not received any notice to discontinue use of any chemical in 2002.

Conditions 3.7, 3.8 and 3.9: The Owner has established a written procedure, dated October 2, 2000, for the Notification of Medical Officer of Health and MOE, as per O.Reg. 459/00.

The Owner is in the process of establishing a contingency plan and procedures. The Owner will proceed in 2003 with the following works which will form part of said contingency plan:

- Laboratory testing to determine the chlorination equipment's capability to maintain a 2 mg/L free chlorine residual after 30 minutes of contact time and at the plant's rated capacity.
- Expand the building envelope to allow for the installation of a second coagulant bulk storage tank, similar in size to the existing tank. This will not only provide the redundant storage capacity required by the Certificate of Approval, but will also provide the Owner with significant additional on site coagulant storage capacity.

Condition 3.9: The operational manual due date is July 31, 2003.

Conditions 3.11 through 3.14: The Owner has proceeded with new water works in 2002 and will receive in 2003 the as-built drawings. Furthermore, the Owner is considering the transfer from all paper drawings to electronic drawings, based on GIS mapping. If approved, the process will begin in 2003 and be completed in 2004.

As for *Condition 3.14*, the Owner has procedures in place for recording complaints. However, the procedures are being redefined to improve the efficiency of the current procedures.

THE OWNER HAS COMPLIED WITH CONDITIONS 3.1 THROUGH 3.9 AND 3.11 THROUGH 3.14 OF THE CERTIFICATE OF APPROVAL.

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Condition 3.10:

Condition 3.10 is included so that adequate information is available to allow proper control of the treatment process in order to achieve the desired water quality and efficiency of the treatment process.

The Owner is in the process of preparing the Operations Manual and the requirement of condition 3.10 will be included in said manual.

THE OWNER HAS COMPLIED WITH CONDITION 3.10 OF THE CERTIFICATE OF APPROVAL.

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Condition 4.1:

Condition 4.1 is included so that the Owner will regularly review compliance with the terms and conditions of this certificate, be alerted to its obligations with respect to any non-compliance, and allow the public enhanced participation in monitoring compliance.

The Compliance Report will be completed and be made available no later than March 31, 2003.

THE OWNER HAS COMPLIED WITH CONDITION 4.1 OF THE CERTIFICATE OF APPROVAL.

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Condition 5.1:

Condition 5.1 is included to require the Owner to implement improvements to the works necessary for the works to be capable of providing safe drinking water in accordance with Ontario Regulation 459/00 and Ontario Drinking Water Standards in a consistent and reliable manner.

Condition 5.1 a) i:

Based on the assumed minimum disinfection requirements criteria of operating under historical worst-case operating conditions at the plant's rated capacity while maintaining adequate treated water storage, it was previously determined that a minimum free chlorine residual of 0.8% mg/L must be maintained at all times. It was confirmed during a recent site visit that the chlorine dosage has been subsequently increased to maintain a minimum free chlorine residual of 0.9 mg/L in the treated water leaving the plant.

Condition 5.1 a) ii:

It is intended to conduct laboratory testing on a treated water sample to determine the site specific chlorine demand after 30 minutes of contact time. This data will then be used to confirm if the existing chlorination equipment has sufficient capacity to ensure that this performance criteria can be met at the plant's rated capacity and if any subsequent upgrades to the chorination system are, therefore, required to be included in the second construction phase.

Condition 5.1 a) iii:

This item has been addressed as part of the upgrades to the waterworks' SCADA system completed in the first construction contract.

Condition 5.1 b) i:

The existing spatial constraints of the alum storage area would only allow a relatively low volume day tank to be installed. This configuration would provide very little system redundancy and require a relatively large containment curb to be installed, thereby limiting access to the alum feed equipment. The Owner has elected to go beyond the day tank requirement by completing a building envelope expansion to allow for the installation of a second identical bulk storage tank. This upgrade will provide storage redundancy as well as reduce the height requirements for a secondary containment curb.

Condition 5.1 b) ii:

The existing spatial constraints of the manhole will not allow the installation of a conventional check valve or backflow preventer on the clearwell drain line. Due to the infrequent use of this drain line, it is proposed to install a blind flange or spade on the outlet to satisfy this requirement.

Condition 5.1 b) iii:

A chemical storage and feed system for sodium hypochloride has been installed at the Spence Avenue booster station (standpipe) to rechlorinate water exported from the Town's standpipe.

THE OWNER HAS COMPLIED WITH CONDITION 5.1 OF THE CERTIFICATE OF APPROVAL.

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Conditions 5.2 and 5.3:

Conditions 5.2 and 5.3 are included so that the Owner is aware that Condition 5.1, which identifies the requirements for improvements to the works, does not constitute an approval for the implementation of the improvements, and before undertaking any of the improvements, the Owner must apply for and obtain Director's approval under Section 52 of the Ontario Water Resources Act.

All work that has been constructed, completed and commissioned that required approval under the Ontario Water Resources Act or Environmental Protection Act has been submitted to and approved by the Director (Phase I).

All work under Phase II that will require approval under the Ontario Water Resources Act or Environmental Protection Act will be submitted for approval by the Director, before construction.

THE OWNER HAS COMPLIED WITH ALL THE TERMS OF CONDITIONS 5.2 AND 5.3 OF THE CERTIFICATE OF APPROVAL.

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Conditions 6.1 and 6.2:

Conditions 6.1 and 6.2 are included to set specific dates for the submission of a second and subsequent Engineer's Reports, which are required by Ontario Regulation 459/00.

The Owner will proceed with a second Engineer's Report and this report will be submitted no later than October 31, 2003. However, the Owner has received from the Ministry of the Environment a memorandum dated February 19, 2003 (subject: Changes of the Submission Date of Second Engineer's Report) that stipulates that *"If you are required to submit a second Engineer's Report, that report will not be due on the date specified in condition 6 of your Consolidated Certificate of Approval, as specified by O.Reg. 459/00, but will instead be due within five years of your original Engineer's Report submission date"*.

Even if the report is due in 2005, the Owner will proceed with the second Engineer's Report for October 31, 2003. The rational basis is that the Owner has proceeded in the last three years with major upgrades for water works, and we feel an Engineer's Report will provide a synthesis of all the work completed and will provide a reliable source of information.

THE OWNER HAS COMPLIED WITH THE TERMS OF CONDITIONS 6.1 AND 6.2 OF THE CERTIFICATE OF APPROVAL.

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Conditions 7.1 through 7.3:

Conditions 7.1 through 7.3 are included to stipulate that this certificate replaces all previous approvals for the works being the subject of this certificate, and that the existing approvals remain in force for the purpose of any works which are not subject to this certificate (e.g. a distribution system or its portions, including any in-distribution storage facilities not associated with a water treatment process).

THE OWNER HAS COMPLIED WITH THE TERMS OF CONDITIONS 7.1 THROUGH 7.3 OF THE CERTIFICATE OF APPROVAL.

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Conditions 8.1 and 8.2:

Conditions 8.1 and 8.2 are included to emphasize the distinction between the requirements of this certificate and other legal requirements with which the Owner is required to comply.

THE OWNER HAS COMPLIED WITH THE TERMS OF CONDITIONS 8.1 AND 8.2 OF THE CERTIFICATE OF APPROVAL.

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Conditions 9.1 through 9.3:

Conditions 9.1 through 9.3 are included so that the Ministry records are kept accurate and current with respect to approved works, and so that subsequent owners of the works are made aware of the certificate and continue to operate the works in compliance with it.

There was no change of ownership.

THE OWNER HAS COMPLIED WITH CONDITIONS 9.1 THROUGH 9.3 OF THE CERTIFICATE OF APPROVAL.

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Conditions 10.1 and 10.2:

Conditions 10.1 and 10.2 are included to clarify how the certificate is to be judicially interpreted, and specifically, to clarify that the requirements of the certificate are severable and that they prevail over supporting documentation.

THE OWNER HAS COMPLIED WITH CONDITIONS 10.1 AND 10.2 OF THE CERTIFICATE OF APPROVAL.

SUMMARY OF ANALYTICAL RESULTS

WATERWORKS QUARTERLY REPORT: January 1, 2002 to March 31, 2002

Did we Exceed the Standards?

Trihalomethanes (THMs):

The Maximum Acceptable Concentration (MAC) objective for the trihalomethanes (THMs) is 100 µg/L or 0.1 mg/L. This standard is expressed as a running annual average of quarterly samples measured at a point reflecting the maximum residence time in the distribution system.

The running annual average for this period, being April 1, 2001 to March 31, 2002, is 47.3 µg/L or 0.0473 mg/L in the distribution system.

However, the analysis results for January 3, 2002 and January 8, 2002 show a level of trihalomethanes (THMs) higher than the Maximum Acceptable Concentration (MAC) objective of 100. The following results were obtained:

-	January 3, 2002	-	samples 5 and 6	-	148.0 and 108.4
-	January 8, 2002	-	samples 4 and 5	-	217.7 and 172.7

The municipality was closely monitoring the trihalomethanes (THMs) during the first quarter of 2002. One reason for the elevated level of THMs could be a result of the increased chlorine concentration in the distribution system in order to ensure that a minimum free chlorine residual of 0.2 mg/L is maintained at all times in the distribution system, as per the regulation.

Nitrogen – Organic:

On February 19, 2002, the Nitrogen – Organic level was 0.23 mg/L in the distribution system. This was slightly higher than the OG (Operational Guidelines) of 0.15 mg/L. Organic nitrogen compound frequently contains amine groups which can react with the chlorine and severely reduce its disinfectant power. Taste and odour problems are common with organic nitrogen levels greater than 0.15 mg/L.

However, the municipality was closely monitoring the organic nitrogen levels during the next reporting period and the levels were over operational guidelines.

WATERWORKS QUARTERLY REPORT: April 1, 2002 to June 30, 2002

Did we Exceed the Standards?

Notification of Adverse Water Quality / June 28, 2002:

A Notice of Adverse Water Quality was issued on June 28, 2002 following receipt of the report of analysis for samples collected on June 25, 2002. Said report showed a result for background colonies of >200 for sample no. 9 collected at St-Jean-Bosco School on Abbott Street in Hawkesbury. Said result was not alarming since the level of chlorine in that sector was adequate. Nevertheless, the Waterworks Department proceeded with the notification and re-sampling procedures on June 28, 2002 and the analysis of the sample taken showed negative results.

Trihalomethanes (THMs):

The Maximum Acceptable Concentration (MAC) objective for the trihalomethanes (THMs) is 100 µg/L or 0.1 mg/L. This standard is expressed as a running annual average of quarterly samples measured at a point reflecting the maximum residence time in the distribution system.

The running annual average for this period, being July 1, 2002 to June 30, 2002 is 42.1 µg/L or 0.0421 mg/L in the distribution system.

The Nitrogen – Organic level was 0.28 mg/L in the distribution system. This was slightly higher than the OG (Operational Guidelines) of 0.15 mg/L. Organic nitrogen compound frequently contains amine groups which can react with the chlorine and severely reduce its disinfectant power. Taste and odour problems are common with organic nitrogen levels greater than 0.15 mg/L.

However, the municipality was closely monitoring the organic nitrogen levels during the next reporting period and the levels were over operational guidelines.

WATERWORKS QUARTERLY REPORT: July 1, 2002 to September 30, 2002

Did we Exceed the Standards?

Trihalomethanes (THMs):

The Maximum Acceptable Concentration (MAC) objective for the trihalomethanes (THMs) is 100 µg/L or 0.1 mg/L. This standard is expressed as a running annual average of quarterly samples measured at a point reflecting the maximum residence time in the distribution system.

The running annual average for this period, being October 1, 2001 to September 30, 2002 is 51.98 µg/L or 0.052 mg/L in the distribution system.

However, the analysis results for June 26, 2002, July 26, 2002 and August 7, 2002 show a level of trihalomethanes (THMs) higher than the Maximum Acceptable Concentration (MAC) objective of 100. The following results were obtained:

-	June 26, 2002	-	samples 5 and 6	-	101.5 and 109
-	July 26, 2002	-	samples 5 and 6	-	129.7 and 117.8
-	August 7, 2002	-	samples 4 and 5	-	101.5 and 109

One reason for the elevated level of THMs could be a result of the increased chlorine concentration in the distribution system during summer time in order to ensure that a minimum free chlorine residual of 0.2 mg/L is maintained at all times in the distribution system, as per the regulation. However, the results of September 17, 2002 show a level of 76.6 and 79.6 for samples 5 and 6, which is lower than the Maximum Acceptable Concentration objective of 100.

Nitrogen – Organic:

On August 20, 2002, the Nitrogen – Organic level was 0.52 mg/L in the distribution system. This was slightly higher than the OG (Operational Guidelines) of 0.15 mg/L. Organic nitrogen compound frequently contains amine groups which can react with the chlorine and severely reduce its disinfectant power. Taste and odour problems are common with organic nitrogen levels greater than 0.15 mg/L.

However, the municipality was closely monitoring the organic nitrogen levels during the next reporting period and the levels were under operational guidelines.

WATERWORKS QUARTERLY REPORT: October 1, 2002 to December 31, 2002

Did we Exceed the Standards?

Trihalomethanes (THMs):

The Maximum Acceptable Concentration (MAC) objective for the trihalomethanes (THMs) is 100 µg/L or 0.1 mg/L. This standard is expressed as a running annual average of quarterly samples measured at a point reflecting the maximum residence time in the distribution system.

The running annual average for treated water for this period, being January 1, 2002 to December 31, 2002 is 47.1 µg/L or 0.047 mg/L at the Water Filtration Plant.

The running annual average in the distribution system for this period, being January 1, 2002 to December 31, 2002 is 65.75 µg/L or 0.066 mg/L.

The municipality did not exceed any standards during the reporting period, being October 1, 2002 to December 31, 2002.

As for Nitrogen – Organic, the level was 0.09 mg/L which was under the operational guidelines of 0.15 mg/L.

AVAILABILITY OF REPORT

Copies of the Compliance Report 2002 for the Town of Hawkesbury can be obtained from:

1. ***Technical Services Department***
Town of Hawkesbury
600 Higginson Street
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K6A 1H1
Tel. (613) 632-0106, ext. 2237

2. ***Hawkesbury Public Library***
550 Higginson Street
Hawkesbury, Ontario
K6A 1H1

3. ***Town's website***
www.ville.hawkesbury.on.ca

AUTHORIZATION FROM MUNICIPAL COUNCIL

Resolution no. R-621-02 adopted by the Municipal Council of the Town of Hawkesbury on November 25, 2002, attached hereto as Appendix "I".

By-law no. 85-2002 adopted by the Municipal Council of the Town of Hawkesbury on November 25, 2003, attached hereto as Appendix "I".

PREPARED BY:

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SUBMITTED ON: March 31, 2003

NOTE:

All supporting documentation referred to in this Compliance Report as Appendix "A" through Appendix "I" can be obtained from the Technical Services Department of the Town of Hawkesbury 600 Higginson Street Hawkesbury, Ontario, K6A 1H1 Tel. (613) 632-0106, ext. 2237