ARCHIVED

MUNICIPAL WATER QUALITY REPORTS

FINCH WATER

2002

Ontario Clean Water Agency
Agence Ontarienne Des Eaux

Chesterville Hub
5 Industrial Drive, P.O. Box 460
Chesterville, Ontario K0C 1H0
Tel: (613) 448-3098
Fax: (613) 448-1616
www.ocwa.com

Fax

To MOH MOE

Company

Fax Number 933-7930 268-6061

From Dave

Date Oct 31/02

Number of Pages 3 **(including this page)**

Subject Finch 210003912

- Turb. over 1.0 NTU
- New Filters being Installed
- Bacti samples have been sent, results tomorrow on disinfected new equip.
- If Samples show no bacti they will be put on line.

Ontario Ministry of the Environment / Ministère de l'Environnement

Revised - September, 2002

Notice of Drinking Water Analysis and Remedial Actions for Waterworks as Required under Drinking Water Protection Regulation

In accordance with the Drinking Water Protection Regulation, Laboratories and Water Works Owners must immediately provide oral notification to the MOE Spills Action Centre (SAC) at 1-800-268-6060 or 1-416-325-3000 and the local Medical Officer of Health (MOH) of indicators of adverse drinking water quality and exceedances of standards as outlined in the Regulation and remedial actions taken. Further, within 24 hours of the oral notification, the party shall provide written notification on this completed form by Fax to the Spills Action Centre at 1-800-268-6061 or 1-416-325-3011 and the local Medical Officer of Health . Failure to notify these parties in accordance with the Regulation constitutes an offence under the Act. A copy of this form may be acquired through the Ministry of the Environment (MOE) public web site (www.ene.gov.on.ca) or by contacting any MOE office.

PART 1 – NOTIFICATION BY LABORATORY

Indicators of Adverse Water Quality ☐	**Phys/Chem**	☐ **Exceeds MAC** ☐ **Exceeds IMAC**	**Radiological** ☐ **Exceeds IMAC** **CofA/Order** ☐ **Exceeds Limit**

ORAL NOTIFICATION to SPILLS ACTION CENTRE by LABORATORY

Date: Time: By:

Laboratory Name:	**Laboratory Emergency Contact Name**
Address	Position
Email address	Phone # Fax #
Waterworks Name	**Waterworks Emergency Contact**
Works #	Name
Location	Position
Email Address	Phone # Fax #
NOTIFICATION OF WATER WORKS OWNER	**NOTIFICATION OF LOCAL MEDICAL OFFICER OF HEALTH**
Person Contacted	Person Contacted
Position	Position
Date Time	Date Time

Laboratory Written Notification Prepared by: Name (please print)
(Lab Results must be attached using Part 3 of form)

Signature | Date

PART 2 - NOTIFICATION BY WATER WORKS OWNER

Indicators of Adverse Water Quality ☒	**Phys/Chem**	☐ **Exceeds MAC** ☐ **Exceeds IMAC**	**Radiological** ☐ **Exceeds IMAC** **CofA/Order** ☐ **Exceeds Limit**

☒ *This notification is for operational problems identified at the waterworks; there is no Laboratory notification associated with this report*

SPILLS ACTION CENTRE ORAL NOTIFICATION BY OWNER	**WATERWORKS EMERGENCY CONTACT**
Date Oct. 31/02 Time 16:00	Name Dave Markell
Waterworks Name Finch Water	Position Process Tech.
Works # 210003912	Phone # 613-448-3058 Fax # 613-448-1616
Works Person Providing Oral Notification Dave Markell	
MEDICAL OFFICER OF HEALTH ORAL NOTIFICATION BY OWNER	**REMEDIAL ACTIONS TAKEN BY OWNER:**
Date Oct 31/02 Time 16:00	Resampling Initiated ☐ Yes ☐ No
Person Contacted Adalia	Increase Chlorine Dose ☒ Yes ☐ No
Position Special Project	Flushing Mains ☐ Yes ☐ No
Phone # 800-267-7120 Fax # 613-933-7930	Other Actions Taken ☐ Yes ☐ No
Works Person Providing Oral Notification Dave Markell	Describe: Other information attached ☒

Water Works Written Notification Prepared by: Name (please print) Dave Markell

Signature Dave Markell | Date Oct. 31/02

For Ministry Use Only: **Occurrence Report #:**

Ontario Ministry of the Environment / Ministère de l'Environnement

Revised - September, 2002

PART 3:

ADVERSE ANALYTICAL RESULTS - For Indicators Listed in SCHEDULE 6 - Drinking Water Protection Regulation

Microbiological Testing

Lab Sample ID No.	Sample Field ID No.	Date/Time Collected (M/D/Y) (: am pm)	Sample Type / Location	Membrane Filtration Count/100mL			P-A/100mL Presumptive/ Confirmed (if applicable)	HPC/ 1mL	Date - Plates Prepared (M/D/Y)	Date - Plates Read (M/D/Y)
				Total Coliforms	Back-ground	E.coli ☐ Fecal C. ☐				

ADVERSE ANALYTICAL RESULTS - For Parameters Listed in SCHEDULE 4 and 5 or in a C of A or Order Drinking Water Protection Regulation

Physical/Chemical/Radiological Testing

Lab Sample ID No.	Sample Field ID No.	Date/Time Collected (M/D/Y) (: am pm)	Sample Type / Location	Parameter	Result	Unit	MAC/ IMAC	Date - Analysis Completed (M/D/Y)	Date - Data Approved (M/D/Y)
	ON LINE	Cont.	Turbidity	Turbidity	1.9	NTU		Continous	

Results Authorized By:	Authorization Date:

For Ministry Use Only:	Occurrence Report #:

HP OfficeJet K Series K80
Personal Printer/Fax/Copier/Scanner

Log for
OCWA
613 448-1616
Oct 31 2002 4:19pm

Last Transaction

Date	Time	Type	Identification	Duration	Pages	Result
Oct 31	4:18pm	Fax Sent	18002686061	0:49	3	OK

HP OfficeJet K Series K80
Personal Printer/Fax/Copier/Scanner

Log for
OCWA
613 448-1616
Oct 31 2002 4:22pm

Last Transaction

Date	Time	Type	Identification	Duration	Pages	Result
Oct 31	4:19pm	Fax Sent	16139337930	2:20	3	OK

Ontario Clean Water Agency
Agence Ontarienne Des Eaux

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Tel: (613) 448-3098
Fax: (613) 448-1616
www.ocwa.com

Fax

To MOE MOE

Company

Fax Number 613-933-7930 1-800-268-6061

From Dave

Date Oct-29/02.

Number of Pages 3 **(including this page)**

Subject Finch

- Works # 210003912
- Turb exceedances over 1 NTU
- Filter being replaced
- Filters bypassed in interm.
- Media presently in & being superchlorinated.
- backwash test tomorrow & bacti sampling

Ontario Ministry of the Environment / Ministère de l'Environnement

Revised - September, 2002

Notice of Drinking Water Analysis and Remedial Actions for Waterworks as Required under Drinking Water Protection Regulation

In accordance with the Drinking Water Protection Regulation, Laboratories and Water Works Owners must immediately provide oral notification to the MOE Spills Action Centre (SAC) at 1-800-268-6060 or 1-416-325-3000 and the local Medical Officer of Health (MOH) of indicators of adverse drinking water quality and exceedances of standards as outlined in the Regulation and remedial actions taken. Further, within 24 hours of the oral notification, the party shall provide written notification on this completed form by Fax to the Spills Action Centre at 1-800-268-6061 or 1-416-325-3011 and the local Medical Officer of Health . Failure to notify these parties in accordance with the Regulation constitutes an offence under the Act. A copy of this form may be acquired through the Ministry of the Environment (MOE) public web site (www.ene.gov.on.ca) or by contacting any MOE office.

PART 1 – NOTIFICATION BY LABORATORY

Indicators of Adverse Water Quality ☐	**Phys/Chem** ☐ **Exceeds MAC** ☐ **Exceeds IMAC**	**Radiological** ☐ **Exceeds IMAC**	**CofA/Order** ☐ **Exceeds Limit**

ORAL NOTIFICATION to SPILLS ACTION CENTRE by LABORATORY

Date: Time: By:

Laboratory Name:	**Laboratory Emergency Contact Name**
Address	Position
Email address	Phone # Fax #
Waterworks Name	**Waterworks Emergency Contact**
Works #	Name
Location	Position
Email Address	Phone # Fax #
NOTIFICATION OF WATER WORKS OWNER	**NOTIFICATION OF LOCAL MEDICAL OFFICER OF HEALTH**
Person Contacted	Person Contacted
Position	Position
Date Time	Date Time

Laboratory Written Notification Prepared by: Name (please print)
(Lab Results must be attached using Part 3 of form)

Signature | Date

PART 2 - NOTIFICATION BY WATER WORKS OWNER

Indicators of Adverse Water Quality ☒	**Phys/Chem** ☐ **Exceeds MAC** ☐ **Exceeds IMAC**	**Radiological** ☐ **Exceeds IMAC**	**CofA/Order** ☐ **Exceeds Limit**

☒ *This notification is for operational problems identified at the waterworks; there is no Laboratory notification associated with this report*

SPILLS ACTION CENTRE ORAL NOTIFICATION BY OWNER	**WATERWORKS EMERGENCY CONTACT**
Date Oct 29/02 Time 15:02	Name Dave Markell
Waterworks Name Finch Water	Position Process Tech
Works # 210003912	Phone # 613-448-3098 Fax # 613-448-1616
Works Person Providing Oral Notification Dave Markell	
MEDICAL OFFICER OF HEALTH ORAL NOTIFICATION BY OWNER	**REMEDIAL ACTIONS TAKEN BY OWNER:**
Date Oct. 29/02 Time 15:00	Resampling Initiated ☐ Yes ☐ No
Person Contacted ~~Hatia~~ Adalia	Increase Chlorine Dose ☒ Yes ☐ No
Position Special Projects	Flushing Mains ☐ Yes ☐ No
Phone # 267-7120 Fax # 613-933-7930	Other Actions Taken ☐ Yes ☐ No
Works Person Providing Oral Notification Dave Markell	Describe:
	Other information attached ☒

Water Works Written Notification Prepared by: Name (please print) Dave Markell

Signature Dave Markell Date Oct 29/02

For Ministry Use Only: **Occurrence Report #:**

Ontario Ministry of the Environment / Ministère de l'Environnement

Revised - September, 2002

PART 3:

ADVERSE ANALYTICAL RESULTS - For Indicators Listed in SCHEDULE 6 - Drinking Water Protection Regulation

Microbiological Testing

Lab Sample ID No.	Sample Field ID No.	Date/Time Collected (M/D/Y) (: am pm)	Sample Type / Location	Membrane Filtration Count/100mL			P-A/100mL Presumptive/ Confirmed (if applicable)	HPC/ 1mL	Date - Plates Prepared (M/D/Y)	Date - Plates Read (M/D/Y)
				Total Coliforms	Back-ground	E.coli ☐ Fecal C. ☐				

ADVERSE ANALYTICAL RESULTS - For Parameters Listed in SCHEDULE 4 and 5 or in a C of A or Order Drinking Water Protection Regulation

Physical/Chemical/Radiological Testing

Lab Sample ID No.	Sample Field ID No.	Date/Time Collected (M/D/Y) (: am pm)	Sample Type / Location	Parameter	Result	Unit	MAC/ IMAC	Date - Analysis Completed (M/D/Y)	Date - Data Approved (M/D/Y)
		ON LINE	Cont.	Turbidity	1.7	NTU		continous	

Results Authorized By:	Authorization Date:

For Ministry Use Only:	Occurrence Report #:

HP OfficeJet K Series K80
Personal Printer/Fax/Copier/Scanner

Log for
OCWA
613 448-1616
Oct 29 2002 3:20pm

Last Transaction

Date	Time	Type	Identification	Duration	Pages	Result
Oct 29	3:19pm	Fax Sent	18002686061	0:48	3	OK

HP OfficeJet K Series K80
Personal Printer/Fax/Copier/Scanner

Log for
OCWA
613 448-1616
Oct 29 2002 3:18pm

Last Transaction

Date	Time	Type	Identification	Duration	Pages	Result
Oct 29	3:15pm	Fax Sent	16139337930	2:20	3	OK

Ontario Clean Water Agency
Agence Ontarienne Des Eaux

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Tel: (613) 448-3098
Fax: (613) 448-1616
www.ocwa.com

Fax

To MOH MOE.

Company

Fax Number 933-7930 800-268-6061

From Dave Markell

Date Oct 26/02

Number of Pages 3 **(including this page)**

Subject Finch Water Treatment Plant. 210003912

see fax LOG Oct. 27/02

- New Sand filters are being installed.
- Presently by passing filters
- On line turbidimeter shows 1.5 → 2.0 NTU Turbidity
- Raw water from source (well #1)
- Bact results Since Jan. 2002 No E coli at any time, On ONE occasion I detected T coliform, No counts of HPC or Background greater than 5.
- Cl_2 dosage has been increased and Free Cl_2 out plant will be kept at 2.4 mg/L 0.5 higher than normal.
- Work will take 5 days.

Ontario Ministry of the Environment / Ministère de l'Environnement

Revised - September, 2002

Notice of Drinking Water Analysis and Remedial Actions for Waterworks as Required under Drinking Water Protection Regulation

In accordance with the Drinking Water Protection Regulation, Laboratories and Water Works Owners must immediately provide oral notification to the MOE Spills Action Centre (SAC) at 1-800-268-6060 or 1-416-325-3000 and the local Medical Officer of Health (MOH) of indicators of adverse drinking water quality and exceedances of standards as outlined in the Regulation and remedial actions taken. Further, within 24 hours of the oral notification, the party shall provide written notification on this completed form by Fax to the Spills Action Centre at 1-800-268-6061 or 1-416-325-3011 and the local Medical Officer of Health. Failure to notify these parties in accordance with the Regulation constitutes an offence under the Act. A copy of this form may be acquired through the Ministry of the Environment (MOE) public web site (www.ene.gov.on.ca) or by contacting any MOE office.

PART 1 – NOTIFICATION BY LABORATORY

Indicators of Adverse Water Quality ☐	**Phys/Chem**	☐ **Exceeds MAC** ☐ **Exceeds IMAC**	**Radiological** ☐ **Exceeds IMAC** **CofA/Order** ☐ **Exceeds Limit**

ORAL NOTIFICATION to SPILLS ACTION CENTRE by LABORATORY

Date: Time: By:

Laboratory Name:	**Laboratory Emergency Contact Name**
Address	Position
Email address	Phone # Fax #
Waterworks Name	**Waterworks Emergency Contact**
Works #	Name
Location	Position
Email Address	Phone # Fax #
NOTIFICATION OF WATER WORKS OWNER	**NOTIFICATION OF LOCAL MEDICAL OFFICER OF HEALTH**
Person Contacted	Person Contacted
Position	Position
Date Time	Date Time

Laboratory Written Notification Prepared by: Name (please print)
(Lab Results must be attached using Part 3 of form)

Signature | Date

PART 2 - NOTIFICATION BY WATER WORKS OWNER

Indicators of Adverse Water Quality ☒	**Phys/Chem**	☐ **Exceeds MAC** ☐ **Exceeds IMAC**	**Radiological** ☐ **Exceeds IMAC** **CofA/Order** ☐ **Exceeds Limit**

☒ *This notification is for operational problems identified at the waterworks; there is no Laboratory notification associated with this report*

SPILLS ACTION CENTRE ORAL NOTIFICATION BY OWNER	**WATERWORKS EMERGENCY CONTACT**
Date Oct. 26/02 Time 14:30	Name Jean Veilleux
Waterworks Name Finch Water	Position Process Tech
Works # 210003912 Jean Veilleux	Phone # 613-448-3093 Fax # 613-448-1616
Works Person Providing Oral Notification	
MEDICAL OFFICER OF HEALTH ORAL NOTIFICATION BY OWNER	**REMEDIAL ACTIONS TAKEN BY OWNER:**
Date Oct. 2/02 Time 11:35	Resampling Initiated ☐ Yes ☐ No
Person Contacted Christine	Increase Chlorine Dose ☒ Yes ☐ No
Position Answering Service	Flushing Mains ☐ Yes ☐ No
Phone # 1B002677120 Fax # 933-7930	Other Actions Taken ☐ Yes ☐ No
Works Person Providing Oral Notification	Describe:
	Other information attached ☒

Water Works Written Notification Prepared by: Name (please print) Jean Veilleux

Signature Jean Veilleux Date Oct. 26/02

For Ministry Use Only: **Occurrence Report #:**

Ontario Ministry of the Environment / Ministère de l'Environnement

Revised - September, 2002

PART 3:

ADVERSE ANALYTICAL RESULTS - For Indicators Listed in SCHEDULE 6 - Drinking Water Protection Regulation

Microbiological Testing

Lab Sample ID No.	Sample Field ID No.	Date/Time Collected (M/D/Y) (: am pm)	Sample Type / Location	Membrane Filtration Count/100mL			P-A/100mL Presumptive/ Confirmed (if applicable)	HPC/ 1mL	Date - Plates Prepared (M/D/Y)	Date - Plates Read (M/D/Y)
				Total Coliforms	Back-ground	*E.coli* ☐ Fecal C. ☐				

ADVERSE ANALYTICAL RESULTS - For Parameters Listed in SCHEDULE 4 and 5 or in a C of A or Order Drinking Water Protection Regulation

Physical/Chemical/Radiological Testing

Lab Sample ID No.	Sample Field ID No.	Date/Time Collected (M/D/Y) (: am pm)	Sample Type / Location	Parameter	Result	Unit	MAC/ IMAC	Date - Analysis Completed (M/D/Y)	Date - Data Approved (M/D/Y)
			ON LINE	Turbidity	1.7	NTU		Continious.	

Results Authorized By:	Authorization Date:

For Ministry Use Only:	Occurrence Report #:

1402-047 (07/00)

HP OfficeJet K Series K80
Personal Printer/Fax/Copier/Scanner

Log for
OCWA
613 448-1616
Oct 27 2002 5:36pm

Last Transaction

Date	Time	Type	Identification	Duration	Pages	Result
Oct 27	5:35pm	Fax Sent	1 800 268-6061	0:50	3	OK

HP OfficeJet K Series K80
Personal Printer/Fax/Copier/Scanner

Log for
OCWA
613 448-1616
Oct 27 2002 5:34pm

Last Transaction

Date	Time	Type	Identification	Duration	Pages	Result
Oct 27	5:32pm	Fax Sent	1 613 933-7930	2:25	3	OK

Ontario Clean Water Agency
Agence Ontarienne Des Eaux

Chesterville Hub
5 Industrial Drive, P.O. Box 460
Chesterville, Ontario K0C 1H0
Tel: (613) 448-3098
Fax: (613) 448-1616
www.ocwa.com

Fax

To MOH MOE.

Company

Fax Number 933-7930 800-268-6061

From Dave Markell

Date Oct 25/02

Number of Pages 3 **(including this page)**

Subject Finch Water Treatment Plant. 210003912

- New Sand filters are being installed.
- Presently by passing filters
- On line turbidimeter shows 1.5 → 2.0 NTU Turbidity
- Raw water from source (well #1)
- Bact results Since Jan. 2002 No E coli at any time, On ONE occasion I detected T coliform, No counts of HPC or Background greater than 5.
- Cl_2 dosage has been increased and Free Cl_2 out plant will be kept at 2.4 mg/L 0.5 higher than normal.
- Work will take 5 days.

Ontario Ministry of the Environment / Ministère de l'Environnement

Revised - September, 2002

Notice of Drinking Water Analysis and Remedial Actions for Waterworks as Required under Drinking Water Protection Regulation

*In accordance with the Drinking Water Protection Regulation, Laboratories and Water Works Owners must immediately provide oral notification to the MOE Spills Action Centre (SAC) at **1-800-268-6060** or **1-416-325-3000** and the local Medical Officer of Health (MOH) of indicators of adverse drinking water quality and exceedances of standards as outlined in the Regulation and remedial actions taken. Further, within **24 hours** of the oral notification, the party shall provide written notification on this completed form by Fax to the Spills Action Centre at **1-800-268-6061** or **1-416-325-3011** and the local Medical Officer of Health . Failure to notify these parties in accordance with the Regulation constitutes an offence under the Act. A copy of this form may be acquired through the Ministry of the Environment (MOE) public web site (www.ene.gov.on.ca) or by contacting any MOE office.*

PART 1 – NOTIFICATION BY LABORATORY

Indicators of Adverse Water Quality ☐	**Phys/Chem** ☐ **Exceeds MAC** ☐ **Exceeds IMAC**	**Radiological** ☐ **Exceeds IMAC**	**CofA/Order** ☐ **Exceeds Limit**

ORAL NOTIFICATION to SPILLS ACTION CENTRE by LABORATORY

Date: Time: By:

Laboratory Name:	**Laboratory Emergency Contact Name**
Address	Position
Email address	Phone # Fax #
Waterworks Name	**Waterworks Emergency Contact**
Works #	Name
Location	Position
Email Address	Phone # Fax #
NOTIFICATION OF WATER WORKS OWNER	**NOTIFICATION OF LOCAL MEDICAL OFFICER OF HEALTH**
Person Contacted	Person Contacted
Position	Position
Date Time	Date Time

Laboratory Written Notification Prepared by: Name (please print)
(Lab Results must be attached using Part 3 of form)

Signature | Date

PART 2 - NOTIFICATION BY WATER WORKS OWNER

Indicators of Adverse Water Quality ☒	**Phys/Chem** ☐ **Exceeds MAC** ☐ **Exceeds IMAC**	**Radiological** ☐ **Exceeds IMAC**	**CofA/Order** ☐ **Exceeds Limit**

☒ *This notification is for operational problems identified at the waterworks; there is no Laboratory notification associated with this report*

SPILLS ACTION CENTRE ORAL NOTIFICATION BY OWNER	**WATERWORKS EMERGENCY CONTACT**
Date Oct. 25/02 Time 11:30	Name Dave Markell
Waterworks Name Finch Water	Position Process Tech
Works # 210003912	Phone # 613-448-3093 Fax # 613-448-1616
Works Person Providing Oral Notification Dave Markell	
MEDICAL OFFICER OF HEALTH ORAL NOTIFICATION BY OWNER	**REMEDIAL ACTIONS TAKEN BY OWNER:**
Date Oct 25/02 Time 11:35	Resampling Initiated ☐ Yes ☐ No
Person Contacted Middin	Increase Chlorine Dose ☒ Yes ☐ No
Position Special Projects	Flushing Mains ☐ Yes ☐ No
Phone # 1800267 7120 Fax # 933-7930	Other Actions Taken ☐ Yes ☐ No
Works Person Providing Oral Notification Dave Markell	Describe: Other information attached ☒

Water Works Written Notification Prepared by: Name (please print) Dave Markell

Signature Dave Markell | Date Oct. 25/02

For Ministry Use Only: **Occurrence Report #:**

Ontario Ministry of the Environment / Ministère de l'Environnement

Revised - September, 2002

PART 3:

ADVERSE ANALYTICAL RESULTS - For Indicators Listed in SCHEDULE 6 - Drinking Water Protection Regulation

Microbiological Testing

Lab Sample ID No.	Sample Field ID No.	Date/Time Collected (M/D/Y) (: am pm)	Sample Type / Location	Membrane Filtration Count/100mL			P-A/100mL Presumptive/ Confirmed (if applicable)	HPC/ 1mL	Date - Plates Prepared (M/D/Y)	Date - Plates Read (M/D/Y)
				Total Coliforms	Back-ground	E.coli ☐ Fecal C. ☐				

ADVERSE ANALYTICAL RESULTS - For Parameters Listed in SCHEDULE 4 and 5 or in a C of A or Order Drinking Water Protection Regulation

Physical/Chemical/Radiological Testing

Lab Sample ID No.	Sample Field ID No.	Date/Time Collected (M/D/Y) (: am pm)	Sample Type / Location	Parameter	Result	Unit	MAC/ IMAC	Date - Analysis Completed (M/D/Y)	Date - Data Approved (M/D/Y)
			ON LINE	Turbidity	1.7	NTU		Continious	

Results Authorized By:	Authorization Date:

For Ministry Use Only:	Occurrence Report #:

HP OfficeJet K Series K80
Personal Printer/Fax/Copier/Scanner

Log for
OCWA
613 448-1616
Oct 25 2002 11:42am

Last Transaction

Date	Time	Type	Identification	Duration	Pages	Result
Oct 25	11:42am	Fax Sent	18002686061	0:47	3	OK

HP OfficeJet K Series K80
Personal Printer/Fax/Copier/Scanner

Log for
OCWA
613 448-1616
Oct 25 2002 11:45am

Last Transaction

Date	Time	Type	Identification	Duration	Pages	Result
Oct 25	11:43am	Fax Sent	16139337930	2:22	3	OK

Ontario Clean Water Agency
Agence Ontarienne Des Eaux

Chesterville Hub
5 Industrial Drive, P.O. Box 460
Chesterville, Ontario K0C 1H0
Tel: (613) 448-3098
Fax: (613) 448-1616
www.ocwa.com

Fax

To MOH MOE.

Company

Fax Number 933-7930 800-268-6061

From Dave Markell

Date Oct 23/02

Number of Pages 3 **(including this page)**

Subject Finch Water Treatment Plant.

- New Sand filters are being installed.
- Presently by passing filters
- On line turbidimeter shows 1.5 → 2.0 NTU Turbidity
- Raw water from source (well #1)
- Bact results Since Jan. 2002 No E coli at any time, On ONE occasion I detected T coliform, No counts of HPC or Background greater than 5.
- Cl_2 dosage has been increased and Free Cl_2 at plant will be kept at 2.4 mg/L 0.5 higher than normal.
- Work will take 5 days.

Ontario

Ministry of the Environment

Ministère de l'Environnement

Revised - September, 2002

Notice of Drinking Water Analysis and Remedial Actions for Waterworks as Required under Drinking Water Protection Regulation

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ORAL NOTIFICATION to SPILLS ACTION CENTRE by LABORATORY

Date: Time: By:

Laboratory Name:	**Laboratory Emergency Contact Name**
Address	Position
Email address	Phone # Fax #
Waterworks Name	**Waterworks Emergency Contact**
Works #	Name
Location	Position
Email Address	Phone # Fax #
NOTIFICATION OF WATER WORKS OWNER	**NOTIFICATION OF LOCAL MEDICAL OFFICER OF HEALTH**
Person Contacted	Person Contacted
Position	Position
Date Time	Date Time

Laboratory Written Notification Prepared by: Name (please print)
(Lab Results must be attached using Part 3 of form)

Signature | Date

PART 2 - NOTIFICATION BY WATER WORKS OWNER

Indicators of Adverse Water Quality ☒	**Phys/Chem** ☐ **Exceeds MAC** ☐ **Exceeds IMAC**	**Radiological** ☐ **Exceeds IMAC**	**CofA/Order** ☐ **Exceeds Limit**

☐ *This notification is for operational problems identified at the waterworks; there is no Laboratory notification associated with this report*

SPILLS ACTION CENTRE ORAL NOTIFICATION BY OWNER	**WATERWORKS EMERGENCY CONTACT**
Date Oct. 23/02 Time 11:31	Name Dave Markell
Waterworks Name Finch Water Treatment	Position Process Tech.
Works # 210003912	Phone # 613-448-3098 Fax # 613-448-1616
Works Person Providing Oral Notification Dave Markell	
MEDICAL OFFICER OF HEALTH ORAL NOTIFICATION BY OWNER	**REMEDIAL ACTIONS TAKEN BY OWNER:**
Date Oct. 23/02 Time 11:30	Resampling Initiated ☐ Yes ☐ No
Person Contacted Adalia	Increase Chlorine Dose ☒ Yes ☐ No
Position Special Projects	Flushing Mains ☐ Yes ☐ No
Phone # 1-800-267-7120 Fax # 533-7530	Other Actions Taken ☐ Yes ☐ No
Works Person Providing Oral Notification Dave Markell	Describe:
	Other information attached ☐

Water Works Written Notification Prepared by: Name (please print)

Signature Dave Markell Date Oct-23/02

For Ministry Use Only: **Occurrence Report #:**

Ontario Ministry of the Environment | Ministère de l'Environnement

Revised - September, 2002

PART 3:

ADVERSE ANALYTICAL RESULTS - For Indicators Listed in SCHEDULE 6 - Drinking Water Protection Regulation

Microbiological Testing

Lab Sample ID No.	Sample Field ID No.	Date/Time Collected (M/D/Y) (: am pm)	Sample Type / Location	Membrane Filtration Count/100mL			P-A/100mL Presumptive/ Confirmed (if applicable)	HPC/ 1mL	Date - Plates Prepared (M/D/Y)	Date - Plates Read (M/D/Y)
				Total Coliforms	Back-ground	E.coli ☐ Fecal C. ☐				

ADVERSE ANALYTICAL RESULTS - For Parameters Listed in SCHEDULE 4 and 5 or in a C of A or Order Drinking Water Protection Regulation

Physical/Chemical/Radiological Testing

Lab Sample ID No.	Sample Field ID No.	Date/Time Collected (M/D/Y) (: am pm)	Sample Type / Location	Parameter	Result	Unit	MAC/ IMAC	Date - Analysis Completed (M/D/Y)	Date - Data Approved (M/D/Y)
			ON LINE	Turbidity	1.6	NTU		Continous	

Results Authorized By:	Authorization Date:

For Ministry Use Only:	Occurrence Report #:

HP OfficeJet K Series K80
Personal Printer/Fax/Copier/Scanner

Log for
OCWA
613 448-1616
Oct 23 2002 12:01pm

Last Transaction

Date	Time	Type	Identification	Duration	Pages	Result
Oct 23	12:00pm	Fax Sent	18002686061	0:48	3	OK

HP OfficeJet K Series K80
Personal Printer/Fax/Copier/Scanner

Log for
OCWA
613 448-1616
Oct 23 2002 11:59am

Last Transaction

Date	Time	Type	Identification	Duration	Pages	Result
Oct 23	11:56am	Fax Sent	16139337930	2:23	3	OK

Ontario Clean Water Agency
Agence Ontarienne Des Eaux

Chesterville Hub
5 Industrial Drive, P.O. Box 460
Chesterville, Ontario K0C 1H0
Tel: (613) 448-3098
Fax: (613) 448-1616
www.ocwa.com

Fax

To Cindy.

Company

Fax Number 613-962-1566

From

Date Oct 25/02 - Oct. 23

Number of Pages 11 **(including this page)**

Subject Adverse Water

You want these you got em.

Dave

Finch

HP OfficeJet K Series K80
Personal Printer/Fax/Copier/Scanner

Log for
OCWA
613 448-1616
Oct 25 2002 11:50am

Last Transaction

Date	Time	Type	Identification	Duration	Pages	Result
Oct 25	11:47am	Fax Sent	16139621966	3:09	11	OK

Ontario Clean Water Agency
Agence Ontarienne Des Eaux

Chesterville Hub
5 Industrial Drive, P.O. Box 460
Chesterville, Ontario K0C 1H0
Tel: (613) 448-3098
Fax: (613) 448-1616
www.ocwa.com

Fax

To MOH MOE

Company

Fax Number 933-7930 263-6061

From Dave Markell

Date Apr 10/02

Number of Pages 4 **(including this page)**

Subject Finch.

Adverse water.

Total Coliforms (system sample.)

Ontario Ministry of the Environment / Ministère de l'Environnement

Notice of Drinking Water Analysis and Remedial Actions for Waterworks as Required under Drinking Water Protection Regulation

In accordance with the Drinking Water Protection Regulation, Laboratories and Water Works Owners must immediately provide oral notification to the MOE Spills Action Centre (SAC) at 1-800-268-6060 or 1-416-325-3000 and the local Medical Officer of Health (MOH) of indicators of adverse drinking water quality and exceedances of standards as outlined in the Regulation and remedial actions taken. Further, within 24 hours of the oral notification, the party shall provide written notification on this completed form by Fax to the Spills Action Centre at 1-800-268-6061 or 1-416-325-3011 and the local Medical Officer of Health. Failure to notify these parties in accordance with the Regulation constitutes an offence under the Act. A copy of this form may be acquired through the Ministry of the Environment (MOE) public web site (www.ene.gov.on.ca) or by contacting any MOE office.

PART 1 – NOTIFICATION BY LABORATORY

Indicators of Adverse Water Quality ☐ Phys/Chem ☐ Exceeds MAC ☐ Exceeds IMAC ☐ Radiological ☐ Exceeds IMAC ☐ CofA/Order ☐ Exceeds Limit

ORAL NOTIFICATION to SPILLS ACTION CENTRE by LABORATORY

Date: Time:	By:
Laboratory Name:	Laboratory Emergency Contact Name
Address	Position
Email address	Phone # Fax #
Waterworks Name FINCH	Waterworks Emergency Contact
Works # 210003912	Name Dave Markell
Location FINCH	Position OPERATOR
Email Address	Phone # 613-448-3098 Fax # 448-1616
NOTIFICATION OF WATER WORKS OWNER	**NOTIFICATION OF LOCAL MEDICAL OFFICER OF HEALTH**
Person Contacted Blair Harrobinson	Person Contacted CLAUDETTE
Position OPERATOR	Position RECEPTIONIST
Date Apr 12 10/02 Time 11:41	Date Apr 12 10/02 Time 1:45

Laboratory Written Notification Prepared by: Name (please print)
(Lab Results must be attached using Part 3 of form)

Signature [signature] Date Apr 12 10/02

PART 2 - NOTIFICATION BY WATER WORKS OWNER

Indicators of Adverse Water Quality ☐ Phys/Chem ☐ Exceeds MAC ☐ Exceeds IMAC ☐ Radiological ☐ Exceeds IMAC ☐ CofA/Order ☐ Exceeds Limit

☐ *This notification is for operational problems identified at the waterworks; there is no Laboratory notification associated with this report*

SPILLS ACTION CENTRE ORAL NOTIFICATION BY OWNER	**WATERWORKS EMERGENCY CONTACT**
Date Apr. 10/02 Time 14:00	Name Dave Markell
Waterworks Name FINCH	Position OPERATOR
Works # 210003912	Phone # 613-448-3098 Fax # 613-448-1616
Works Person Providing Oral Notification D. Markell	
MEDICAL OFFICER OF HEALTH ORAL NOTIFICATION BY OWNER	**REMEDIAL ACTIONS TAKEN BY OWNER:**
Date Apr. 10/02 Time 13:55	Resampling Initiated ☑ Yes ☐ No
Person Contacted Claudette	Increase Chlorine Dose ☐ Yes ☐ No
Position Receptionist	Flushing Mains ☐ Yes ☐ No
Phone # 800-267-7120 Fax # 933-7930	Other Actions Taken ☑ Yes ☐ No
Works Person Providing Oral Notification D. Markell	Describe: ~~Downstream~~ Upstream Sampling
	Other information attached ☑

Water Works Written Notification Prepared by: Name (please print) Dave Markell

Signature [signature] Date Apr. 10/02

For Ministry Use Only: Occurrence Report #:

1402-047 (07/00)

Ontario Ministry of the Environment / Ministère de l'Environnement

PART 3:

ADVERSE ANALYTICAL RESULTS - For Indicators Listed in SCHEDULE 6 - Drinking Water Protection Regulation

Microbiological Testing

Laboratory Sample ID No.	Sample Field ID No.	Date/Time Collected (M/D/Y) (a.m. / p.m.)	Sample Type / Location	Membrane Filtration Count/100ml			P-A/100ml Presumptive/ Confirmed (If applicable)	HPC/ 1ml	Date of Analysis (M/D/Y)
				Total Coliforms	Back-ground	E.coli/ Fecal C.			
[illegible]	FW JH	09/08/02	SEWAGE PUMP STATION SPS	2	—	0	—	—	09/09/02

ADVERSE ANALYTICAL RESULTS - For Parameters Listed in SCHEDULE 4 and 5 or in a C of A or Order Drinking Water Protection Regulation

Physical/Chemical/Radiological Testing

Laboratory Sample ID No.	Sample Field ID No.	Date/Time Collected (M/D/Y) (a.m. / p.m.)	Sample Type/ Location	Parameter	Result	Unit	MAC/ IMAC	Date of Analysis (M/D/Y)

Laboratory Results Authorized by: [signature] Authorization Date: 09/10/02

For Ministry Use Only: Occurrence Report #:

1402-047 (07/00)

Caduceon Environmental Laboratories

Division of Caduceon Enterprises Inc.

Certificate of Analysis

Client:
Ontario Clean Water Agency
5 Industrial Dr.
Chesterville, ON
K0C 1H0

Attention: **Dave Markell**

Report: **220003203**
Project: Finch WTP
Date Sampled: April 8, 2002
Date Received: April 9, 2002
Date Printed: April 10, 2002
Matrix: Drinking Water

Parameter	E. coli	Free Cl2	HPC	TC	Total Cl2
Unit	/100mL	mg/L	/mL	/100mL	mg/L
MDL	1	0.05	2	1	0.05
Sample ID					
Well - Raw	absent			absent	
WTP Treated	absent	2.20		absent	2.40
Dist. Barb's Diner	absent	1.10		absent	1.30
Dist. Sewage Pumping Station (SPS	absent	1.00		2	1.20

page 4 of 4

Caduceon Environmental Laboratories
2378 Holly Lane, Ottawa, Ontario, K1V 7P1, Canada
Tel: (613)526-0123, Fax: (613)526-1244
Michael Ziebell, General Manager

TRANSMISSION VERIFICATION REPORT

TIME : 04/10/2002 14:18

DATE,TIME	04/10 14:16
FAX NO./NAME	18002686061
DURATION	00:01:42
PAGE(S)	04
RESULT	OK
MODE	STANDARD ECM

TRANSMISSION VERIFICATION REPORT

TIME : 04/10/2002 14:14

DATE,TIME	04/10 14:12
FAX NO./NAME	16139337930
DURATION	00:02:03
PAGE(S)	04
RESULT	OK
MODE	STANDARD

Ontario Clean Water Agency
Agence Ontarienne Des Eaux

Chesterville Hub
5 Industrial Drive, P.O. Box 460
Chesterville, Ontario K0C 1H0
Tel: (613) 448-3098
Fax: (613) 448-1616
www.ocwa.com

Fax

To IRENE

Company M O H

Fax Number 1-613- ~~267-2230 7930~~ 933-7930

From Dave

Date FEB 21/02

Number of Pages 5 **(including this page)**

Subject Please find attached

lab sheets from Moose Creek, Finch, Chesterville and Winchester Wells # 1, 5 & 6.
These are as a required follow-up to notifications of adverse water (Sodium over 20 ms/c) FEB 7/02.

any questions please call Dave

Ontario Clean Water Agency
Agence Ontarienne Des Eaux

Chesterville Hub
5 Industrial Drive,
Chesterville, Ontario K0C 1H0
Tel: (613) 448-3098
Fax: (613) 448-1616
bhenderson@ocwa.com

Fax

To	Rheal Delaquis
Company	Ministry of Environment
Fax Number	(613) 933-6402
From	Blair Henderson
Date	February 21, 2002
Number of Pages	1 **(including this page)**
Subject	**Finch Water and Moose Creek Water - Sodium Exceedance**

As a follow up to notification of sodium exceedance dated February 7, 2002, as per ODWR, all sites have been resampled and the results are as follows.

Finch Treated Water - 77.0 mg/Litre
Moose Creek Treated Water - 27 mg/Litre

These results have been forwarded to the Ministry of Health.

These results are consistent with historic sodium results.

ACCUTEST LABORATORIES LTD.

REPORT OF ANALYSIS

Client: FINCH WELL SUPPLY

ATT: Mr. Blair Henderson

Report Number: 2201833
Date: 2002-02-20
Date Submitted: 2002-02-14

Project: Finch Wells Resample

P.O. Number:
Matrix: Supply Water

		LAB ID:	169944				
		Sample Date:	2002-02-13				
		Sample ID:	FW-01				
PARAMETER	**UNITS**	**MDL**	TREATEDWATER				
Na	mg/L	2	77				

MDL = Method Detection Limit INC = Incomplete
Comment:

APPROVAL:

8-146 Colonnade Road, Ottawa, ON, K2E 7Y1

608 Norris Court, Kingston, ON, K7P 2R9

TRANSMISSION VERIFICATION REPORT

TIME : 02/21/2002 13:47

DATE,TIME	02/21 13:45
FAX NO./NAME	16139337930
DURATION	00:02:05
PAGE(S)	05
RESULT	OK
MODE	STANDARD

Accutest Laboratories Ltd. 146 Colonnade Rd., Unit 8, Nepean, Ontario, K2E 7Y1 www.accutestlabs.com

ACCUTEST FAX

Date: **February 7, 2002**

Number of pages including cover sheet: 15

To:

Blair Henderson
OCWA Chesterville

Phone: 613-448-3098
Fax phone: 613-448-1616
CC:

From:

Kristina Hay
QA/QC Coordinator

Phone: 613-727-5692
Fax phone: 613-727-5222
e-mail: khay@accutestlabs.com

REMARKS ☐ Urgent ☐ For your review ☐ Reply ASAP ☐ Please comment
Originals to follow: ☐ YES ☐ NO **VIA:** ☐ Mail ☐ Courier

Your Reference: Na ODWS Exceedances **Our Reference:**

Mr. Henderson,

This is a notice of adverse Na results for the Winchester, Finch, Moose Creek and Chesterville Well Supplies I have attached a preliminary copy of the reports as well as Part 1 and 3 of the MOE Notice of Drinking Water Analysis form.

Please contact me if you have any questions.

Best regards,

Kristina Hay

Kristina Hay

ACCUTEST LABORATORIES LTD.

REPORT OF ANALYSIS

Client: FINCH WELL SUPPLY

ATT. Mr. Blair Henderson

Report Number: 2200718
Date: 2002-01-29
Date Submitted: 2002-01-22

Project: Finch Wells - Quarterly

P.O. Number:
Matrix: Supply Water

		LAB ID:	167006				
		Sample Date:	2002-01-21				
		Sample ID:	FW-01				
PARAMETER	**UNITS**	**MDL**	TREATEDWATER				
Ca	mg/L	1	66				
F	mg/L	0.10	0.47				
Mg	mg/L	1	29				
N-NO2	mg/L	0.10	<0.10				
N-NO3	mg/L	0.10	<0.10				
K	mg/L	1	6				
Na	mg/L	2	82				

MDL = Method Detection Limit INC = Incomplete
Comment:

APPROVAL:

Ontario Ministry of the Environment / Ministère de l'Environnement

Notice of Drinking Water Analysis and Remedial Actions for Waterworks as Required under Drinking Water Protection Regulation

In accordance with the Drinking Water Protection Regulation, Laboratories and Water Works Owners must immediately provide oral notification to the MOE Spills Action Centre (SAC) at 1-800-268-6060 or 1-416-325-3000 and the local Medical Officer of Health (MOH) of indicators of adverse drinking water quality and exceedances of standards as outlined in the Regulation and remedial actions taken. Further, within 24 hours of the oral notification, the party shall provide written notification on this completed form by Fax to the Spills Action Centre at 1-800-268-6061 or 1-416-325-3011 and the local Medical Officer of Health. Failure to notify these parties in accordance with the Regulation constitutes an offence under the Act. A copy of this form may be required through the Ministry of the Environment (MOE) public web site (www.ene.gov.on.ca) or by contacting any MOE office.

PART 1 – NOTIFICATION BY LABORATORY

Indicators of Adverse Water Quality ☑ — Phys/Chem ☐ Exceeds MAC ☐ Exceeds IMAC — Radiological ☐ Exceeds IMAC — Cof A/Order ☐ Exceeds Limit

ORAL NOTIFICATION to SPILLS ACTION CENTRE by LABORATORY

Date: Feb 7, 2002 Time: 420 pm By: Kristina Hay

Laboratory Name: Accutest Laboratories Ltd.	Laboratory Emergency Contact Name: Peter Haulena
Address: 146 Colonnade Rd., Unit 8, Nepean, ON K2E 7Y1	Position: Analytical Services Manager
Email address: info@accutestlabs.com	Phone #: (613) 727-5692 Fax #: (613) 727-5222
Waterworks Name: Finch Well Supply	Waterworks Emergency Contact
Works #: 210003912	Name: Blair Henderson
Location	Position: Operator
Email Address	Phone #: (613)448-3098 Fax #: (613)448-1616
NOTIFICATION OF WATER WORKS OWNER	**NOTIFICATION OF LOCAL MEDICAL OFFICER OF HEALTH**
Person Contacted: Blair Henderson	Person Contacted: Irene Marchand.
Position: Operator.	Position: Admin.
Date: Feb 7, 2002. Time: 315 pm.	Date: Feb 7, 2002 Time: 406 pm.

Laboratory Written Notification Prepared by: (Lab Results must be attached using Part 3 of form) Name (please print): Kristina Hay

Signature: Kristina Hay. Date: Feb 7, 2002.

PART 2 - NOTIFICATION BY WATER WORKS OWNER

Indicators of Adverse Water Quality ☑ — Phys/Chem ☐ Exceeds MAC ☐ Exceeds IMAC — Radiological ☐ Exceeds IMAC — Cof A/Order ☐ Exceeds Limit

☐ *This notification is for operational problems identified at the waterworks; there is no Laboratory notification associated with this report*

SPILLS ACTION CENTRE ORAL NOTIFICATION BY OWNER	**WATERWORKS EMERGENCY CONTACT**
Date: FEB. 07, 2002 Time: 16:16	Name: BLAIR HENDERSON
Waterworks Name: FINCH W.T.P.	Position: ACTING OPERATIONS MANAGER
Works #: 210003912	Phone #: 613-448-3098 Fax #: 613-448-1616
Works Person Providing Oral Notification: BLAIR HENDERSON	
MEDICAL OFFICER OF HEALTH ORAL NOTIFICATION BY OWNER	**REMEDIAL ACTIONS TAKEN BY OWNER:**
Date: FEB 07, 2002 Time: 1625 HRS	Resampling Initiated ☑ Yes ☐ No
Person Contacted: CLAUDETTE	Increase Chlorine Dose ☐ Yes ☑ No
Position: RECEPTIONIST	Flushing Mains ☐ Yes ☑ No
Phone #: 613-933-1375 Fax #: 613-933-7930	Other Actions Taken ☐ Yes ☑ No
Works Person Providing Oral Notification: DAVE MARKELL	Describe:
Water Works Written Notification Prepared by: Name (please print)	Other information attached ☐

Signature: Blair Henderson BLAIR HENDERSON Date: FEB 07, 2002

For Ministry Use Only: Occurrence Report #:

5502-047 (07/00)

Ontario Ministry of the Environment / Ministère de l'Environnement

PART 3:

ADVERSE ANALYTICAL RESULTS - For Indicators Listed in SCHEDULE 6 - Drinking Water Protection Regulation

Microbiological Testing

Laboratory Sample ID No.	Sample Field ID No.	Date/Time Collected (M/D/Y) (a.m. p.m.)	Sample Type / Location	Membrane Filtration Count/100ml			P-A/100ml Presumptive/ Confirmed (if applicable)	HPC/ 1ml	Date of Analysis (M/D/Y)
				Total Coliforms	Back-ground	E.coli/ Fecal C.			

ADVERSE ANALYTICAL RESULTS - For Parameters Listed in SCHEDULE 4 and 5 or in a C of A or Order Drinking Water Protection Regulation

Physical/Chemical/Radiological Testing

Laboratory Sample ID No.	Sample Field ID No.	Date/Time Collected (M/D/Y) (a.m. p.m.)	Sample Type/ Location	Parameter	Result	Unit	MAC/ IMAC (Per Sched 6)	Date of Analysis (M/D/Y)
167006		01/22/01	FW-01	Na	82	mg/L	20	01/23/02

Laboratory Results Authorized by: Christina Hay

Authorization Date: Feb 7, 2002

For Ministry Use Only:

Occurrence Report #:

Page ____ of ____

1402-047 (07/00)

TRANSMISSION VERIFICATION REPORT

TIME : 02/07/2002 17:24

DATE,TIME	02/07 17:21
FAX NO./NAME	16139337930
DURATION	00:02:27
PAGE(S)	04
RESULT	OK
MODE	STANDARD

TRANSMISSION VERIFICATION REPORT

TIME : 02/07/2002 17:30

DATE,TIME	02/07 17:25
FAX NO./NAME	18002686061
DURATION	00:04:48
PAGE(S)	09
RESULT	OK
MODE	STANDARD ECM

QUARTERLY REPORT ON DRINKING WATER QUALITY

January - March 2002, Finch Water Plant - Serving the Village of Finch

Finch Drinking Water Quality

Ontario Drinking Water Protection Regulations

The Ontario Clean Water Agency, as the contract operator of the Finch Water Treatment Facility on behalf of the Township of North Stormont, is pleased to present the 2002 First Quarter Report on drinking water quality. This report has been prepared in response to legislative changes brought about by "Operation Clean Water", an initiative of Ontario's Ministry of the Environment to ensure high quality drinking water for the residents of Ontario. The new regulations put into law what was formerly the Ontario Drinking Water Objectives (ODWO), and sets requirements for public waterworks with regard to sampling and testing, levels of treatment, licensing of staff, and notification of authorities and the public about water quality.

Further information on the Ontario Drinking Water Regulations can be found on the Ministry of the Environment web site at www.ene.gov.on.ca

Where to contact us for information

Ontario Clean Water Agency
Agence Ontarienne Des Eaux

Web site at www.ocwa.com

Client Services Representative: John Kingsbury
Phone : (613) 774-3663
E-mail Address: jkingsbury@ocwa.com

Operations Manager: Blair Henderson
Phone: (613) 448-3098
E-mail Address: bhenderson@ocwa.com

You may also contact the Township of North Stormont directly by contacting Rheal Charbonneau, Clerk-Treasurer, Tel. (613) 984-2821 or e-mail address: norstor@cnwl.igs.net

Free copies of this report are available at the Township office or their website @ www.cnwl.igs.net/~northstormont

INSIDE THIS REPORT

QUARTERLY REPORT ON DRINKING WATER QUALITY

January - March 2002, Finch Water Plant - Serving the Village of Finch

Introduction

We are proud to report that for the period January to March 2002, your water conformed to the Ontario Drinking Water Standards as set out in Ontario Regulation 459/00. The Ontario Clean Water Agency (OCWA) is dedicated to maximizing public health and safety through efficient and reliable operation of your water facility and distribution system.

Plant Description and Treatment Processes

Facility Name:	Finch WTP & Distribution System
Total Design Capacity	691 cubic meters/day
Raw Water Source	Groundwater
Disinfection Method	Sodium Hypochlorite
Municipal Location	Municipal Office, 2 Victoria Street, Berwick
Service Area	Village of Finch
Service Population	441

Operational Description:

Raw Water Source: Two drilled wells located at 20 William Street in the Village of Finch.

Low Lift Pumps: Two submersible well pumps, one duty and one standby, direct the water from the wells to a 9.5 L/second force draft aeration tower, where H2S is removed from the raw water. Water from the aeration tower is chemically injected with Sodium Hypochlorite for disinfection, prior to entry to the 20 cubic meter clear well.

High Lift Pumps: Two high lift pumps, one duty and one standby, move the chlorinated water from the clear well to the pressure filters.

Filters: Two 4 Litre/second dual media pressure filters, remove particles from the chlorinated water. Filter backwash treatment system consists of a 15 cubic meter surge tank, with a 1.4 cubic meter settling tank and an 18 cubic meter sludge holding tank.

Elevated Storage Tank: The plant treated water, after filtration, is directed to the distribution grid and elevated storage tank with a capacity of 580 cubic meters.

Distribution System: There are approximately 441 persons supplied with water from the Finch Water Treatment Plant.

QUARTERLY REPORT ON DRINKING WATER QUALITY

January - March 2002, Finch Water Plant - Serving the Village of Finch

Quality Control & Compliance With Provincial Regulations

This plant provides multiple barriers against bacteriological contamination. Bacteriological testing is carried out on raw water, treated water and distribution samples on a regular frequency. On-line analysers for chlorine residuals and turbidity ensure daily monitoring of water leaving the plant. Chlorine levels in the distribution system are also checked on a regular basis. More specialized testing occurs monthly and quarterly and includes Volatile Organics, Inorganics, Pesticides and PCB's.

OCWA uses internal compliance auditing techniques by teams from within the organization. OCWA operates the Finch Water Treatment Facility in accordance with provincial regulations. Here is how we do it:

- Use of Accredited Labs. Analytical tests to monitor your water quality are conducted by a laboratory audited by the Canadian Association for Environmental Analytical Laboratories (CAEAL) and accredited by the Standards Council of Canada (SCC). Accreditation ensures that the laboratory has acceptable laboratory protocols and test methods in place. It also requires the laboratory to provide evidence and assurances of the proficiency of the analysts performing the test methods.

- Operation by Licensed Operators. Your water treatment plant is operated and maintained by the Ontario Clean Water Agency's competent and licensed staff. The mandatory licensing program for operators of drinking water facilities is regulated under the *Ontario Water Resources Act (OWRA)* Regulation 435/93. Licensing means that an individual meets the education and experience requirements and has successfully passed the certificate exam.

- Sampling and Analytical requirements. OCWA follows a sampling and analysis schedule required by *OWRA* Regulation 459/00, the Ontario Drinking Water Standards. More information on sampling and analysis including results are available in this report and from your municipal office.

- Adherence to Ministry Guidelines and Procedures. To ensure the protection of the health and operational excellence, the OCWA adheres to the guidelines and procedures developed by the Ministry of the Environment and the Ministry of Health.

Did We Exceed the Standards?

During the First Quarter, Sodium was found to exceed the Ontario Drinking Water Standards concentration of 20 mg/L as set out in Ontario Regulation 459/00. The sodium concentrations of the treated water at Finch Water Treatment Plant in the first quarter were 82 mg/L and 77 mg/L. The local Medical Officer of Health must be notified when the sodium concentration exceeds 20 mg/L so that this information may be communicated to the local physicians for their use with patients on sodium restricted diets. The aesthetic objective for sodium in drinking water is 200 mg/L at which it can be detected by a salty taste.

As a result we actively undertook the following remedial actions:
Immediately notified the Ministry of Environment and the Ministry of Health as per the Ontario Drinking Water Standards. The result of the first sample was 82 mg/L and as per Reg. 459 re-sampling was initiated and the results were 82 mg/L.

Definitions & Terms

m^3 - Cubic Meter, $1m^3 = 1000$ litres
TCU - True Colour Units
$CaCO_3$ - Calcium Carbonate
mg - milligram
mg/L - milligrams per litre
ug/L - micrograms per litre
ng/L - nanograms per litre
NTU - Nephelometric Turbidity Units
MAC - Maximum Acceptable Concentration
IMAC - Interim Maximum Acceptable Concentration
Coliform Bacteria - a group of commonly occurring rod shaped bacteria. Their presence in a water sample is indicative of inadequate filtration and/or disinfection.
Fecal Coliform Bacteria - refers to a subgroup of coliform bacteria present in the digestive system of warm blooded animals and humans.
Heterotrophic Plate Count - a method of measuring bacterial content in water samples. Also known as Standard Plate Count.
Organic Parameter - a group of chemical compounds containing carbon.
Inorganic Parameter - a group of chemical compounds not containing carbon.
Raw Water - Surface or ground water available as a source of drinking water that has not received any treatment.

Required Testing

The Ontario Drinking Water Regulations and Certificates of Approval (C of A) set sampling requirements for the plant. All other sampling conforms to the Drinking Water Protection Regulation schedule for sampling and analysis. As water travels over the surface of the land or through the ground, it dissolves naturally occurring minerals and, in some cases can pick up substances resulting from the presence of animals or from human activity. Your water is extensively tested for the presence of dozens of compounds. The results of all analytical tests are available at your municipal office. The following table lists all compounds analyzed.

QUARTERLY REPORT ON DRINKING WATER QUALITY

January - March 2002, Finch Water Plant - Serving the Village of Finch

Finch Water Quality Test Results

Microbiological Parameters	MAC or IMAC	# of Samples	# of Detectable Results	Sampling Dates (m/d)	Range	Exceedence?	Typical Source of Contaminant
Total Coliform (counts/100ml)	0	40	0	01/01-03/31	n/a	no	Indicate possible presence of coliform
Escherichia Coliform (counts/100ml)	0	40	0	01/01-03/31	n/a	no	Definite indicator of fecal contamination
Heterotrophic Plate Count (counts/100ml)	500	27	10	01/01-03/31	2-120	no	Indicator of deteriorating water quality if greater than 500
Parameters related to Microbiological Quality	**MAC or IMAC**	**# of Samples**	**# of Detectable Results**	**Sampling Dates (m/d)**	**Range**	**Exceedence?**	**Typical Source of Contaminant**
Turbidity (NTU)	1	Continuous	Continuous	01/01-03/31	0.07-0.17	no	Turbidity is a measure of particles in water
Free Chlorine – Plant Effluent (mg/l)	-	Continuous	Continuous	01/01-03/31	0.77-2.40	no	Chlorine added for Disinfection
Free Chlorine- Distribution (mg/l min 0.05 & max. 4.0)	-	Grab Sample weekly	weekly	01/01-03/31	0.9-2.0	no	Objective is 0.20 mg/l in the Distribution System (min. 0.05 mg/l required)
Inorganic Parameters (mg/l)	**MAC or IMAC**	**# of Samples**	**# of Detectable Results**	**Sampling Dates (m/d/y)**	**Range**	**Exceedence?**	**Typical Source of Contaminant**
Lead - Distribution (ug/l)	0.01	1	1	01/21/02	0.001	no	Leached from lead solder or brass plumbing fixtures
Nitrate	10	1	1	01/21/02	<0.1	no	Natural component of water
Nitrite	1	1	1	01/21/02	<0.1	no	
Arsenic	IMAC= 0.025	1	1	09/18/00	<0.001	no	
Barium	1	1	1	09/18/00	0.43	no	
Boron	IMAC= 5.0	1	1	09/18/00	0.17	no	
Cadmium	0.005	1	1	09/18/00	<0.0001	no	
Chromium (Total)	0.05	1	1	09/18/00	<0.01	no	
Copper	1	1	1	09/18/00	0.013	no	
Iron	0.3	1	1	09/18/00	<0.01	no	
Lead	0.01	1	1	09/18/00	<0.001	no	
Manganese	0.05	1	1	09/18/00	<0.01	no	
Mercury	0.001	1	1	09/18/00	<0.0001	no	
Selenium	0.01	1	1	09/18/00	<0.001	no	
Uranium	0.1	1	1	09/18/00	<0.001	no	
Sodium (System)	200	2	2	01/21/02-02/13/02	82-77	no	
Fluoride	2.4	1	1	01/21/02	0.47	no	

Volatile Organics (ug/l)	MAC or	# of	# of	Sampling	Range	Exceedence?	Typical Source of

QUARTERLY REPORT ON DRINKING WATER QUALITY

January - March 2002, Finch Water Plant - Serving the Village of Finch

	IMAC	Samples	Detectable Results	Dates (m/d/y)			Contaminant
Trihalomethanes - Plant	100	1	1	01/21/02	82.4	no	
Trihalomethanes - Dist.	100	1	1	01/21/02	46.1	no	
Benzene	5	1	1	01/21/02	<0.5	no	
Carbon Tetrachloride	5	1	1	01/21/02	<0.9	no	
Dichloromethane	50	1	1	01/21/02	<4	no	
1,2 - Dichlorobenzene	200	1	1	01/21/02	<0.4	no	
1, 4 - Dichlorobenzene	5	1	1	01/21/02	<0.4	no	
1,2 - Dichloroethane	IMAC=5	1	1	01/21/02	<0.7	no	
1,1 - Dichloroethylene	14	1	1	01/21/02	<0.5	no	
Ethylbenzene	24	1	1	01/21/02	<0.5	no	
Monochlorobenzene	80	1	1	01/21/02	<0.2	no	
Tetrachloroethylene	30	1	1	01/21/02	<0.3	no	
Toluene	24	1	1	01/21/02	<0.5	no	
Volatile Organics (ug/l)	MAC or IMAC	# of Samples	# of Detectable Results	Sampling Dates (m/d/y)	Range	Exceedence?	Typical Source of Contaminant
Trichloroethlyene	50	1	1	01/21/02	<0.3	no	
Vinyl chloride	2	1	1	01/21/02	<0.5	no	
Xylene	300	1	1	01/21/02	2	no	
Bromodichloromethane	n/a	1	1	01/21/02	22.6	no	
Bromoform	n/a	1	1	01/21/02	2.8	no	
Chloroform	n/a	1	1	01/21/02	31	no	
Dibromochloromethane	n/a	1	1	01/21/02	26	no	

Pesticides & PCB (ug/L)	MAC or IMAC	# of Samples	# of Detectable Results	Sampling Dates (m/d/y)	Range	Exceedence?	Typical Source of Contaminant
Alachlor	IMAC=5	1	1	01/21/02	<0.5	no	
Aldicarb	9	1	1	01/21/02	<5.0	no	
Aldrin+Dieldrin	0.7	1	1	01/21/02	<0.07	no	
Atrazine	IMAC=5	1	1	01/21/02	<1.0	no	
Azinphos-methyl	20	1	1	01/21/02	<2.0	no	
Bendiocarb	40	1	1	01/21/02	<2.0	no	
Bromoxynil	IMAC=5	1	1	01/21/02	<0.5	no	
Carbaryl	90	1	1	01/21/02	<5.0	no	
Carbofuran	90	1	1	01/21/02	<5.0	no	
Chlordane	7	1	1	01/21/02	<0.7	no	
Chorpyrifus	90	1	1	01/21/02	<1.0	no	
Cyanazine	IMAC=10	1	1	01/21/02	<1.0	no	
Diaznon	20	1	1	01/21/02	<1.0	no	
Dicamba	120	1	1	01/21/02	<1.0	no	
2,4 Dichlorophenol	900	1	1	01/21/02	<0.5	no	
DDT + Metapolites	30	1	1	01/21/02	<3.0	no	
2,4 - Dichlorophenexy acid (2,4 -D)	IMAC=100	1	1	01/21/02	<1.0	no	
Diclofop-methyl	9	1	1	01/21/02	<0.9	no	
Dimethoate	IMAC=20	1	1	01/21/02	<2.5	no	
Dinoseb	10	1	1	01/21/02	<1.0	no	
Diquat	70	1	1	01/21/02	<7.0	no	
Diuron	150	1	1	01/21/02	<10.0	no	
Glyphosate	IMAC=280	1	1	01/21/02	<10.0	no	
Heprachlor + Heptachlor epoxide	3	1	1	01/21/02	<0.3	no	

QUARTERLY REPORT ON DRINKING WATER QUALITY

January - March 2002, Finch Water Plant - Serving the Village of Finch

Lindane	4	1	1	01/21/02	<0.4	no	
Malathion	190	1	1	01/21/02	<5.0	no	
Methoxychlor	900	1	1	01/21/02	<90	no	
Metolachlor	IMAC=50	1	1	01/21/02	<0.5	no	
Metribuzin	80	1	1	01/21/02	<5.0	no	
Paraquat	IMAC=10	1	1	01/21/02	<1.0	no	
Parathion	50	1	1	01/21/02	<1.0	no	
Pentachlorophenol	60	1	1	01/21/02	<0.5	no	
Phorate	IMAC=2	1	1	01/21/02	<0.5	no	
Picloram	IMAC=190	1	1	01/21/02	<5.0	no	
Polychlorinated Biphenyls	IMAC=3	1	1	01/21/02	<0.3	no	
Prometryne	IMAC=1	1	1	01/21/02	<0.25	no	
Simazine	IMAC=10	1	1	01/21/02	<1.0	no	
Temephos	IMAC=280	1	1	01/21/02	<10	no	
Terbufos	IMAC=1	1	1	01/21/02	<0.7	no	
2,3,4,6 Tetrachlorophenol	100	1	1	01/21/02	<0.5	no	
Triallate	230	1	1	01/21/02	<1.0	no	
2,4,6-Trichlorophenol	5	1	1	01/21/02	<0.5	no	
2,4,5 - trichlorophenoxy acedic acid	IMAC=280	1	1	01/21/02	<1.0	no	
Trifluralin	45	1	1	01/21/02	<1.0	no	

Additional Parameters Non-Health Related (mg/L)	AO or OG	# of Samples	# of Detectable Results	Sampling Dates (m/d/y)	Range	Exceedence?	Typical Source of Contaminant
Calcium	---	1	1	01/21/02	66	no	
Magnesium	---	1	1	01/21/02	29	no	
Potassium	---	1	1	01/21/02	6	no	

Questions & Answers

Q. What is an Accredited Laboratory?

A. Accredited labs must have undergone an on-site assessment and performance review of their methods by the Canadian Association of Environmental and Analytical Laboratories. The Standards Council of Canada grants accreditation to the lab based on the recommendation of the CAEAL. The accreditation requirements are repeated every two years.

Q. What had to be done to meet the new regulations?

A. The Finch Water Treatment Plant was following the Ontario Drinking Water Objectives (ODWO) before they became law, so little change was required to meet the new regulations. Our chlorine residual in the water leaving the plant was raised to slightly to achieve the (0.20 mg/L free chlorine) required level in the distribution system, and some changes were required in the way results are reported. This report to the public is also the result of the new regulations.

Q. What parameters did you test for?

A. Microbiological parameters, volatile organics, inorganics, pesticides and PCB's have been tested. The results are included in this report.

Q. Sometimes my water looks rusty or coloured. Why is that, and what should I do about it?

A. This is quite often caused when the tanks in older water heaters start to decay. If the colour is seen only in your hot water, this may be the problem. If the colour is also noticed in your cold water it could be coming from the water main. Various maintenance procedures in the distribution system - such as fire hydrant and valve maintenance, or main break repairs - require flushing of the water mains. Flushing can cause small particles of sediment to break off adding colour to the water. Please note that there is no health risk associated with this problem. This is usually only temporary, and opening your taps for a while to flush out your service line (the pipe from the water main to your house) should take care of the problem. Let the water run until the colour disappears.

Caduceon Environmental Laboratories

Division of Caduceon Enterprises Inc.

Certificate of Analysis

Client:
[illegible]ntario Clean Water Agency
[illegible]ndustrial Dr.
Chesterville, ON
K0C 1H0

Attention: **Dave Markell**

Report: **230000130**
Project: Finch WTP
Date Sampled: January 6, 2003
Date Received: January 7, 2003
Date Printed: January 09, 2003
Matrix: Drinking Water

Parameter	Unit	MDL	Sample Identification			
			Well - Raw	WTP Treated	Dist. Arena	Dist. St. Bernards School
Total Chlorine	mg/L	0.05		2.10	1.47	1.96
Free Chlorine	mg/L	0.05		1.74	1.29	1.70
E. coli	/100mL	1	absent	absent	absent	absent
Heterotrophic Plate Count	/mL	2		absent	absent	
Background bacteria	/100mL	1	4			
Total Coliforms	/100mL	1	absent	absent	absent	absent

Caduceon Environmental Laboratories
2378 Holly Lane, Ottawa, Ontario, K1V 7P1, Canada
Tel: (613)526-0123, Fax: (613)526-1244

Krystyna Pipin, Laboratory Supervisor

Caduceon Environmental Laboratories

Division of Caduceon Enterprises Inc.

Certificate of Analysis

Client:
[illegible]ntario Clean Water Agency
[illegible]ndustrial Dr.
Chesterville, ON
K0C 1H0

Attention: **Dave Markell**

Report: **230000763**
Project: Finch WTP
Date Sampled: January 20, 2003
Date Received: January 21, 2003
Date Printed: January 23, 2003
Matrix: Drinking Water

Parameter	Unit	MDL	Sample Identification			
			Well - Raw	WTP Treated	Dist. S.P.S	Dist. Arena
Total Chlorine	mg/L	0.05		2.20	1.29	1.48
Free Chlorine	mg/L	0.05		1.88	1.18	1.23
E. coli	/100mL	1	absent	absent	absent	absent
Heterotrophic Plate Count	/mL	2		absent	2	
Background bacteria	/100mL	1	4			
Total Coliforms	/100mL	1	absent	absent	absent	absent

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Krystyna Pipin, Laboratory Supervisor

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Division of Caduceon Enterprises Inc.

Certificate of Analysis

Client:
[illegible]tario Clean Water Agency
[illegible]ndustrial Dr.
Chesterville, ON
K0C 1H0

Attention: **Dave Markell**

Report: **230000449**
Project: Finch WTP
Date Sampled: January 13, 2003
Date Received: January 14, 2003
Date Printed: January 16, 2003
Matrix: Drinking Water

Parameter	Unit	MDL	Sample Identification			
			Well - Raw	Well - Treated	Dist. MQA Sonar	Dist. SPS # 1
Total Chlorine	mg/L	0.05		2.18	1.85	1.14
Free Chlorine	mg/L	0.05		1.96	1.66	1.03
E. coli	/100mL	1	absent	absent	absent	absent
Heterotrophic Plate Count	/mL	2		6	absent	
Background bacteria	/100mL	1	3			
Total Coliforms	/100mL	1	absent	absent	absent	absent

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Krystyna Pipin, Laboratory Supervisor

Caduceon Enterprises Inc.

Environmental Laboratory

Certificate of Analysis

Client:
[redacted]ario Clean Water Agency
[redacted]Industrial Dr.
Chesterville, ON
K0C 1H0

Attention: **Dave Markell**

Report: **220000056**
Project: Finch WTP
Date Sampled: January 2, 2002
Date Received: January 3, 2002
Date Printed: January 07, 2002
Matrix: Drinking Water

Parameter	Unit	MDL	Sample Identification			
			Well #1 Raw	WTP Treated	Dist. Senior Center	Dist. Sewage Pumping Station #1
Total Chlorine	mg/L	0.05		2.30	1.20	1.00
Free Chlorine	mg/L	0.05		2.00	1.00	0.90
E. coli	/100mL	1	absent	absent	absent	absent
Heterotrophic Plate Count	/mL	2	absent	2	absent	
Total Coliforms	/100mL	1	absent	absent	absent	absent

Caduceon Enterprises Inc. Environmental Laboratory
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Michael Ziebell, General Manager

Caduceon Enterprises Inc.

Environmental Laboratory

Certificate of Analysis

Client:
[illegible]tario Clean Water Agency
[illegible]ndustrial Dr.
Chesterville, ON
K0C 1H0

Attention: **Dave Markell**

Report: **220000170**
Project: Finch WTP
Date Sampled: January 7, 2002
Date Received: January 8, 2002
Date Printed: January 10, 2002
Matrix: Drinking Water

Parameter	Unit	MDL	Sample Identification			
			Well #1 Raw	WTP Treated	Dist. Co-op	Dist. Water Tower
Total Chlorine	mg/L	0.05		2.00	1.60	1.30
Free Chlorine	mg/L	0.05		1.90	1.60	1.20
E. coli	/100mL	1	absent	absent	absent	absent
Heterotrophic Plate Count	/mL	2	absent	absent	34	2
Total Coliforms	/100mL	1	absent	absent	absent	absent

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Michael Ziebell, General Manager

Caduceon Enterprises Inc.
Environmental Laboratory

Certificate of Analysis

Client:
[redacted]tario Clean Water Agency
[redacted] Industrial Dr.
Chesterville, ON
K0C 1H0

Attention: **Dave Markell**

Report: **220000386**
Project: Finch WTP
Date Sampled: January 14, 2002
Date Received: January 15, 2002
Date Printed: January 17, 2002

Matrix: Drinking Water

Parameter	Unit	MDL	Sample Identification			
			Well #1 Raw	WTP Treated	Dist. St. Burnards	Dist. Barb's
Total Chlorine	mg/L	0.05		1.40	1.90	1.50
Free Chlorine	mg/L	0.05		1.30	1.70	1.40
E. coli	/100mL	1	absent	absent	absent	absent
Heterotrophic Plate Count	/mL	2	2	absent	absent	
Total Coliforms	/100mL	1	absent	absent	absent	absent

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Michael Ziebell, General Manager

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Environmental Laboratory

Certificate of Analysis

Client:
Ontario Clean Water Agency
5 Industrial Dr.
Chesterville, ON
K0C 1H0

Attention: **Dave Markell**

Report: **220000610**
Project: Finch WTP
Date Sampled: January 21, 2002
Date Received: January 22, 2002
Date Printed: January 25, 2002
Matrix: Drinking Water

Parameter	Unit	MDL	Sample Identification			
			Well #1 Raw	WTP Treated	Dist. St. Bernard's School	Dist. SPS #1
Total Chlorine	mg/L	0.05		2.50	1.90	1.40
Free Chlorine	mg/L	0.05		2.30	1.60	1.20
E. coli	/100mL	1	absent	absent	absent	absent
Heterotrophic Plate Count	/mL	2	absent	6	absent	
Total Coliforms	/100mL	1	absent	absent	absent	absent

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Michael Ziebell, General Manager

Caduceon Enterprises Inc.

Environmental Laboratory

Certificate of Analysis

Client:
Ontario Clean Water Agency
5 Industrial Dr.
Chesterville, ON
K0C 1H0

Attention: **Dave Markell**

Report: **220000786**
Project: Finch WTP
Date Sampled: January 28, 2002
Date Received: January 29, 2002
Date Printed: January 31, 2002
Matrix: Drinking Water

Parameter	Unit	MDL	Sample Identification			
			Well #1 Raw	WTP Treated	Dist. St. Burnards	Dist. SPS
Total Chlorine	mg/L	0.05		1.90	2.10	1.40
Free Chlorine	mg/L	0.05		1.80	1.90	1.30
E. coli	/100mL	1	absent	absent	absent	absent
Heterotrophic Plate Count	/mL	2	absent	absent	absent	
Total Coliforms	/100mL	1	absent	absent	absent	absent

Caduceon Enterprises Inc. Environmental Laboratory
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Michael Ziebell, General Manager

ACCUTEST LABORATORIES LTD.

REPORT OF ANALYSIS

Client: FINCH WELL SUPPLY

ATT: Mr. Blair Henderson

Report Number: 2200718
Date: 2002-01-25
Date Submitted: 2002-01-22

Project: Finch Wells - Quarterly Chemicals

P.O. Number:
Matrix: Supply Water

		LAB ID:	167006				
		Sample Date:	2002-01-21				
		Sample ID:	FW-01				
PARAMETER	**UNITS**	**MDL**					
BTEX / 624 / PURGEABLE HYDROCARBONS							
Benzene	ug/L	0.5	<0.5				
Toluene	ug/L	0.5	<0.5				
Ethylbenzene	ug/L	0.5	<0.5				
m/p-xylene	ug/L	1.0	<1.0				
o-xylene	ug/L	0.5	<0.5				
Bromodichloromethane	ug/L	0.3	22.6				
Bromoform	ug/L	0.4	2.8				
Carbon Tetrachloride	ug/L	0.9	<0.9				
Chlorobenzene	ug/L	0.2	<0.2				
Chloroform	ug/L	0.5	31.0				
Dibromochloromethane	ug/L	0.3	26.0				
1,2-dichlorobenzene	ug/L	0.4	<0.4				
1,4-dichlorobenzene	ug/L	0.4	<0.4				
1,2-dichloroethane	ug/L	0.7	<0.7				
1,1-dichloroethylene	ug/L	0.5	<0.5				
Dichloromethane	ug/L	4.0	<4.0				
Tetrachloroethylene	ug/L	0.3	<0.3				
Trichloroethylene	ug/L	0.3	<0.3				
Vinyl Chloride	ug/L	0.5	<0.5				
TOTALS							
Trihalomethanes (total)	ug/L	2.0	82.4				
Xylene; total	ug/L	2.0	<2.0				
BTEX / 624 Surrogate Recoveries							
Toluene-d8	%		97				
1,2-dichloroethane-d4	%		104				
4-bromofluorobenzene	%		103				

MDL = Method Detection Limit INC = Incomplete

Comment:

APPROVAL:

ACCUTEST LABORATORIES LTD.

REPORT OF ANALYSIS

Client: Finch Well Supply

ATT: Mr. Blair Henderson

Report Number: 2200718
Date: 2002-03-12
Date Submitted: 2002-01-22

Project: Finch Wells - Quarterly Chemicals

Sample Matrix: Supply Water

		LAB ID:	167006				
		Sample Date:	2002-01-21				
		Sample ID:	FW-01				
PARAMETER	**UNITS**	**MDL**					
PESTICIDES & PCB's							
Alachlor	mg/L	0.0005	<0.0005				
Aldicarb	mg/L	0.0050	<0.0050				
Aldrin + Dieldrin	mg/L	0.00007	<0.00007				
Atrazine	mg/L	0.001	<0.001				
Azinphos-methyl	mg/L	0.002	<0.002				
Bendiocarb	mg/L	0.0020	<0.0020				
Bromoxynil	mg/L	0.0005	<0.0005				
Carbaryl	mg/L	0.0050	<0.0050				
Carbofuran	mg/L	0.0050	<0.0050				
Chlordane (Total)	mg/L	0.0007	<0.0007				
Chloropyrifos	mg/L	0.0010	<0.0010				
Cyanazine	mg/L	0.0010	<0.0010				
Diazinon	mg/L	0.0010	<0.0010				
Dicamba	mg/L	0.0010	<0.0010				
Diquat	mg/L	0.0070	<0.0070				
2,4-Dichlorophenol	mg/L	0.0005	<0.0005				
DDT	mg/L	0.0030	<0.0030				
2,4-D	mg/L	0.0010	<0.0010				
Diclofop-methyl	mg/L	0.0009	<0.0009				
Dimethoate	mg/L	0.0025	<0.0025				
Dinoseb	mg/L	0.0010	<0.0010				
Diuron	mg/L	0.010	<0.010				
Glyphosate	mg/L	0.010	<0.010				
Heptachlor + Hept. Epoxide	mg/L	0.0003	<0.0003				
Lindane (Total)	mg/L	0.0004	<0.0004				
Malathion	mg/L	0.0050	<0.0050				
Methoxychlor	mg/L	0.0900	<0.0900				
Metolachlor	mg/L	0.0005	<0.0005				

ND = Not Detected (< MDL) MDL = Method Detection Limit

Comment:

APPROVAL: _____

146 Colonnade Road, Unit 8, Nepean, Ontario K2E 7Y1 Tel:(613)727-5692 Fax:(613)727-5222

ACCUTEST LABORATORIES LTD.

REPORT OF ANALYSIS

Client: Finch Well Supply

ATT: Mr. Blair Henderson

Report Number: 2200718
Date: 2002-03-12
Date Submitted: 2002-01-22

Project: Finch Wells - Quarterly Chemicals
Sample Matrix: Supply Water

		LAB ID:	167006				
		Sample Date:	2002-01-21				
		Sample ID:	FW-01				
PARAMETER	**UNITS**	**MDL**					
Metribuzin	mg/L	0.005	<0.005				
Paraquat	mg/L	0.0010	<0.0010				
Parathion	mg/L	0.0010	<0.0010				
Pentachlorophenol	mg/L	0.0005	<0.0005				
Phorate	mg/L	0.0005	<0.0005				
Picloram	mg/L	0.0050	<0.0050				
PCB's (total)	mg/L	0.0003	<0.0003				
Prometryne	mg/L	0.00025	<0.00025				
Simazine	mg/L	0.0010	<0.0010				
[illegible]mephos	mg/L	0.010	<0.010				
[illegible]rbufos	mg/L	0.0007	<0.0007				
2,3,4,6-Tetrachlorophenol	mg/L	0.0005	<0.0005				
Triallate	mg/L	0.0010	<0.0010				
2,4,6-Trichlorophenol	mg/L	0.0005	<0.0005				
Trifluralin	mg/L	0.0010	<0.0010				
2,4,5-T	mg/L	0.0010	<0.0010				

ND = Not Detected (< MDL) MDL = Method Detection Limit

Comment:

APPROVAL: _____

146 Colonnade Road, Unit 8, Nepean, Ontario K2E 7Y1 Tel:(613)727-5692 Fax:(613)727-5222

ACCUTEST LABORATORIES LTD.

REPORT OF ANALYSIS

Client: FINCH WELL SUPPLY

ATT: Mr. Blair Henderson

Report Number: 2200718
Date: 2002-01-29
Date Submitted: 2002-01-22

Project: Finch Wells - Quarterly

P.O. Number:
Matrix: Supply Water

		LAB ID:	167006				
		Sample Date:	2002-01-21				
		Sample ID:	FW-01				
PARAMETER	**UNITS**	**MDL**	TREATEDWATER				
Ca	mg/L	1	66				
F	mg/L	0.10	0.47				
Mg	mg/L	1	29				
N-NO2	mg/L	0.10	<0.10				
N-NO3	mg/L	0.10	<0.10				
K	mg/L	1	6				
Na	mg/L	2	82				

MDL = Method Detection Limit NC = Incomplete
Comment.

APPROVAL: _____

8-146 Colonnade Road, Ottawa, ON, K2E 7Y1 608 Norris Court, Kingston, ON, K7P 2R9

ACCUTEST LABORATORIES LTD.

REPORT OF ANALYSIS

Client: FINCH WELL SUPPLY

ATT: Mr. Blair Henderson

Report Number: 2200722
Date: 2002-01-25
Date Submitted: 2002-01-22

Project: Finch System

P.O. Number:
Matrix: Supply Water

		LAB ID:	167010				
		Sample Date:	2002-01-21				
		Sample ID:	FW-System SPS#1				
PARAMETER	**UNITS**	**MDL**					
BTEX / 624 / PURGEABLE HYDROCARBONS							
Bromodichloromethane	ug/L	0.3	18.7				
Bromoform	ug/L	0.4	2.0				
Chloroform	ug/L	0.5	10.4				
Dibromochloromethane	ug/L	0.3	15.0				
TOTALS							
Trihalomethanes (total)	ug/L	2.0	46.1				
BTEX / 624 Surrogate Recoveries							
Toluene-d8	%		102				

MDL = Method Detection Limit INC = Incomplete
Comment:

APPROVAL:

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608 Norris Court, Kingston, ON, K7P 2R9

ACCUTEST LABORATORIES LTD.

REPORT OF ANALYSIS

Client: FINCH WELL SUPPLY

ATT: Mr. Blair Henderson

Report Number: 2200722
Date: 2002-01-29
Date Submitted: 2002-01-22

Project: Finch System

P.O. Number:
Matrix: Supply Water

		LAB ID:	167010				
		Sample Date:	2002-01-21				
		Sample ID:	FW-System SPS#1				
PARAMETER	**UNITS**	**MDL**	TREATEDWATER				
Pb	mg/L	0.001	<0.001 ✓				

MDL = Method Detection Limit INC = Incomplete
Comment:

APPROVAL: _____

8-146 Colonnade Road, Ottawa, ON, K2E 7Y1 608 Norris Court, Kingston, ON, K7P 2R9

Caduceon Enterprises Inc.

Environmental Laboratory

Certificate of Analysis

Client:
[redacted]tario Clean Water Agency
[redacted]Industrial Dr.
Chesterville, ON
K0C 1H0

Attention: **Dave Markell**

Report: **220000965**
Project: Finch WTP
Date Sampled: February 4, 2002
Date Received: February 5, 2002
Date Printed: February 07, 2002
Matrix: Drinking Water

Parameter	Unit	MDL	Sample Identification			
			Well #1 Raw	WTP Treated	Dist. Co-op	Dist. Smith's Cotage
Total Chlorine	mg/L	0.05		2.70	1.50	1.40
Free Chlorine	mg/L	0.05		2.50	1.40	1.20
E. coli	/100mL	1	absent	absent	absent	absent
Heterotrophic Plate Count	/mL	2	absent	absent	8	
Total Coliforms	/100mL	1	absent	absent	absent	absent

Caduceon Enterprises Inc. Environmental Laboratory
2378 Holly Lane, Ottawa, Ontario, K1V 7P1, Canada
Tel: (613)526-0123, Fax: (613)526-1244

Michael Ziebell, General Manager

Caduceon Enterprises Inc.

Environmental Laboratory

Certificate of Analysis

Client:
Ontario Clean Water Agency
5 Industrial Dr.
Chesterville, ON
K0C 1H0

Attention: **Dave Markell**

Report: **220001205**
Project: Finch WTP
Date Sampled: February 11, 2002
Date Received: February 12, 2002
Date Printed: February 14, 2002
Matrix: Drinking Water

Parameter	Unit	MDL	Sample Identification			
			Well #1 Raw	WTP Treated	Dist. MacEwen	Dist. SPS #1
Total Chlorine	mg/L	0.05		1.90	1.20	1.30
Free Chlorine	mg/L	0.05		1.80	1.00	1.20
E. coli	/100mL	1	absent	absent	absent	absent
Heterotrophic Plate Count	/mL	2	absent	absent	absent	
Total Coliforms	/100mL	1	absent	absent	absent	absent

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Division of Caduceon Enterprises Inc.

Certificate of Analysis

Client:
[illegible]tario Clean Water Agency
5 Industrial Dr.
Chesterville, ON
K0C 1H0

Attention: **Dave Markell**

Report: **220001420**
Project: Finch WTP
Date Sampled: February 18, 2002
Date Received: February 19, 2002
Date Printed: February 21, 2002
Matrix: Drinking Water

Parameter	Unit	MDL	Sample Identification			
			Well #1 Raw	WTP Treated	Dist. Seniors Res.	Dist. Community Center
Total Chlorine	mg/L	0.05		2.30	1.70	1.90
Free Chlorine	mg/L	0.05		2.10	1.50	1.70
E. coli	/100mL	1	absent	absent	absent	absent
Heterotrophic Plate Count	/mL	2	absent	2	120	
Total Coliforms	/100mL	1	absent	absent	absent	absent

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Division of Caduceon Enterprises Inc.

Certificate of Analysis

Client:
[redacted]tario Clean Water Agency
[redacted]ndustrial Dr.
Chesterville, ON
K0C 1H0

Attention: **Dave Markell**

Report:	**220001625**
Project:	Finch WTP
Date Sampled:	February 25, 2002
Date Received:	February 26, 2002
Date Printed:	February 28, 2002
Matrix:	Drinking Water

Parameter	Unit	MDL	Sample Identification			
			Well #1 Raw	WTP Treated	Dist. 3163 Victoria St.	Dist. Smith Cottage
Total Chlorine	mg/L	0.05		1.90	1.50	1.40
Free Chlorine	mg/L	0.05		1.70	1.40	1.20
E. coli	/100mL	1	absent	absent	absent	absent
Heterotrophic Plate Count	/mL	2	absent	absent	12	
Total Coliforms	/100mL	1	absent	absent	absent	absent

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Michael Ziebell, General Manager

ACCUTEST LABORATORIES LTD.

REPORT OF ANALYSIS

Client: FINCH WELL SUPPLY

ATT: Mr. Blair Henderson

Report Number: 2201833
Date: 2002-02-20
Date Submitted: 2002-02-14

Project: Finch Wells Resample

P.O. Number:
Matrix: Supply Water

		LAB ID:	169944				
		Sample Date:	2002-02-13				
		Sample ID:	FW-01				
PARAMETER	**UNITS**	**MDL**	TREATEDWATER				
Na	mg/L	2	77				

MDL = Method Detection Limit INC = Incomplete
Comment:

APPROVAL: _____

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ACCUTEST LABORATORIES LTD.

REPORT OF ANALYSIS

Client: OCWA Chesterville

ATT: Blair Henderson

Report Number: 2201743
Date: 2002-02-19
Date Submitted: 2002-02-13

Project: Finch Water Filter Backwash to Sanitary Sewer

P.O. Number:
Matrix: Sewage

			LAB ID:	169744	169745			
			Sample Date:	2002-02-12	2002-02-12			
			Sample ID:	FW-0010	FW-0011			
PARAMETER	**UNITS**	**MDL**						
BOD5	mg/L	1		11				
pH				8.35				
Total P	mg/L	0.01		0.28				
Total Suspended Solids	mg/L	2		32				
Escherichia Coli	ct/100mL				<10			
Total Coliforms	ct/100mL				<10			

MDL = Method Detection Limit INC = Incomplete
Comment:

APPROVAL: _____

Caduceon Environmental Laboratories

Division of Caduceon Enterprises Inc.

Certificate of Analysis

Client:
[redacted]tario Clean Water Agency
[redacted] Industrial Dr.
Chesterville, ON
K0C 1H0

Attention: **Dave Markell**

Report: **220001905**
Project: Finch WTP
Date Sampled: March 4, 2002
Date Received: March 5, 2002
Date Printed: March 07, 2002
Matrix: Drinking Water

Parameter	E. coli	Free Cl2	HPC	TC	Total Cl2
Unit	/100mL	mg/L	/mL	/100mL	mg/L
MDL	1	0.05	2	1	0.05
Sample ID					
Well #2 Raw	absent		absent	absent	
WTP Treated	absent	1.90	2	absent	2.20
Dist. St. Bernard's School	absent	1.40	absent	absent	1.70
Dist. SPS # Main North	absent	1.10		absent	1.40
[redacted]Vell #1 Raw	absent			absent	

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Certificate of Analysis

Client:
[redacted]ntario Clean Water Agency
[redacted] Industrial Dr.
Chesterville, ON
K0C 1H0

Attention: **Dave Markell**

Report: **220002210**
Project: Finch WTP
Date Sampled: March 11, 2002
Date Received: March 12, 2002
Date Printed: March 14, 2002
Matrix: Drinking Water

Parameter	Unit	MDL	Sample Identification			
			Raw	WTP Treated	Dist. Water Tower	Dist. Senior's
Total Chlorine	mg/L	0.05		2.00	1.90	2.00
Free Chlorine	mg/L	0.05		1.80	1.80	1.80
E. coli	/100mL	1	absent	absent	absent	absent
Heterotrophic Plate Count	/mL	2	absent	absent	absent	
Total Coliforms	/100mL	1	absent	absent	absent	absent

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Certificate of Analysis

Client:
[redacted]ntario Clean Water Agency
[redacted] Industrial Dr.
Chesterville, ON
K0C 1H0

Attention: **Dave Markell**

Report: **220002450**
Project: Finch WTP
Date Sampled: March 18, 2002
Date Received: March 19, 2002
Date Printed: March 21, 2002
Matrix: Drinking Water

Parameter	E. coli	Free Cl2	HPC	TC	Total Cl2
Unit	/100mL	mg/L	/mL	/100mL	mg/L
MDL	1	0.05	2	1	0.05
Sample ID					
Well Raw	absent		absent	absent	
WTP Treated	absent	0.70	absent	absent	1.35
Dist. Post Office	absent	1.68	2	absent	1.70
Dist. Ambulance Bldg	absent	2.00		absent	2.20
St. Bernard's School	absent	2.00		absent	2.08

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Division of Caduceon Enterprises Inc.

Certificate of Analysis

Client:
Ontario Clean Water Agency
Industrial Dr.
Chesterville, ON
K0C 1H0

Attention: **Dave Markell**

Report: **220002713**
Project: Finch WTP
Date Sampled: March 25, 2002
Date Received: March 26, 2002
Date Printed: April 01, 2002
Matrix: Drinking Water

Parameter	Unit	MDL	Sample Identification			
			Well #1 Raw	WTP Treated	Dist. St. Bernards School	Dist. SPS #1
Total Chlorine	mg/L	0.05		2.20	1.90	1.20
Free Chlorine	mg/L	0.05		1.80	1.70	1.20
E. coli	/100mL	1	absent	absent	absent	absent
Heterotrophic Plate Count	/mL	2	absent	absent	absent	
Total Coliforms	/100mL	1	absent	absent	absent	absent

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Michael Ziebell, General Manager

QUARTERLY REPORT ON DRINKING WATER QUALITY

April - June 2002, Finch Water Plant - Serving the Village of Finch

Finch Drinking Water Quality

Ontario Drinking Water Protection Regulations

The Ontario Clean Water Agency, as the contract operator of the Finch Water Treatment Facility on behalf of the Township of North Stormont, is pleased to present the 2002 Second Quarter Report on drinking water quality. This report has been prepared in response to legislative changes brought about by "Operation Clean Water", an initiative of Ontario's Ministry of the Environment to ensure high quality drinking water for the residents of Ontario. The new regulations put into law what was formerly the Ontario Drinking Water Objectives (ODWO), and sets requirements for public waterworks with regard to sampling and testing, levels of treatment, licensing of staff, and notification of authorities and the public about water quality.

Further information on the Ontario Drinking Water Regulations can be found on the Ministry of the Environment web site at www.ene.gov.on.ca

Where to contact us for information

Ontario Clean Water Agency
Agence Ontarienne Des Eaux

Web site at www.ocwa.com

Client Services Representative: John Kingsbury
Phone : (613) 774-3663
E-mail Address: jkingsbury@ocwa.com

Operations Manager: Blair Henderson
Phone: (613) 448-3098
E-mail Address: bhenderson@ocwa.com

You may also contact the Township of North Stormont directly by contacting Rheal Charbonneau, Clerk-Treasurer, Tel. (613) 984-2821 or e-mail address: admin@northstormont.on.ca

Free copies of this report are available at the Township office or their website @ www.townshipofnorthstormont.on.ca

INSIDE THIS REPORT

QUARTERLY REPORT ON DRINKING WATER QUALITY

April - June 2002, Finch Water Plant - Serving the Village of Finch

Introduction

We are proud to report that for the period April to June 2002, your water conformed to the Ontario Drinking Water Standards as set out in Ontario Regulation 459/00. The Ontario Clean Water Agency (OCWA) is dedicated to maximizing public health and safety through efficient and reliable operation of your water facility and distribution system.

Plant Description and Treatment Processes

Facility Name:	Finch WTP & Distribution System
Total Design Capacity	691 cubic meters/day
Raw Water Source	Groundwater
Disinfection Method	Sodium Hypochlorite
Municipal Location	Municipal Office, 2 Victoria Street, Berwick
Service Area	Village of Finch
Service Population	441

Operational Description:

Raw Water Source: Two drilled wells located at 20 William Street in the Village of Finch.

Low Lift Pumps: Two submersible well pumps, one duty and one standby, direct the water from the wells to a 9.5 L/second force draft aeration tower, where H2S is removed from the raw water. Water from the aeration tower is chemically injected with Sodium Hypochlorite for disinfection, prior to entry to the 20 cubic meter clear well.

High Lift Pumps: Two high lift pumps, one duty and one standby, move the chlorinated water from the clear well to the pressure filters.

Filters: Two 4 Litre/second dual media pressure filters, remove particles from the chlorinated water. Filter backwash treatment system consists of a 15 cubic meter surge tank, with a 1.4 cubic meter settling tank and an 18 cubic meter sludge holding tank.

Elevated Storage Tank: The plant treated water, after filtration, is directed to the distribution grid and elevated storage tank with a capacity of 580 cubic meters.

Distribution System: There are approximately 441 persons supplied with water from the Finch Water Treatment Plant.

QUARTERLY REPORT ON DRINKING WATER QUALITY

April - June 2002, Finch Water Plant - Serving the Village of Finch

Quality Control & Compliance With Provincial Regulations

This plant provides multiple barriers against bacteriological contamination. Bacteriological testing is carried out on raw water, treated water and distribution samples on a regular frequency. On-line analysers for chlorine residuals and turbidity ensure daily monitoring of water leaving the plant. Chlorine levels in the distribution system are also checked on a regular basis. More specialized testing occurs monthly and quarterly and includes Volatile Organics, Inorganics, Pesticides and PCB's.

OCWA uses internal compliance auditing techniques by teams from within the organization. OCWA operates the Finch Water Treatment Facility in accordance with provincial regulations. Here is how we do it:

- Use of Accredited Labs. Analytical tests to monitor your water quality are conducted by a laboratory audited by the Canadian Association for Environmental Analytical Laboratories (CAEAL) and accredited by the Standards Council of Canada (SCC). Accreditation ensures that the laboratory has acceptable laboratory protocols and test methods in place. It also requires the laboratory to provide evidence and assurances of the proficiency of the analysts performing the test methods.

- Operation by Licensed Operators. Your water treatment plant is operated and maintained by the Ontario Clean Water Agency's competent and licensed staff. The mandatory licensing program for operators of drinking water facilities is regulated under the *Ontario Water Resources Act (OWRA)* Regulation 435/93. Licensing means that an individual meets the education and experience requirements and has successfully passed the certificate exam.

- Sampling and Analytical requirements. OCWA follows a sampling and analysis schedule required by *OWRA* Regulation 459/00, the Ontario Drinking Water Standards. More information on sampling and analysis including results are available in this report and from your municipal office.

- Adherence to Ministry Guidelines and Procedures. To ensure the protection of the health and operational excellence, the OCWA adheres to the guidelines and procedures developed by the Ministry of the Environment and the Ministry of Health.

Did We Exceed the Standards?

During the second quarter, in the month of April, a sample of treated water from the distribution system was found to exceed the Ontario Drinking Water Standards as set out in Ontario Regulation 459/00. On April 8, 2002 a sample collected from the sink at #1 sewage pumping station exceeded MAC for Total Coliform with a result of 2 per 100/ml. As a result we actively undertook the following remedial actions:

Immediately notified the Ministry of Environment and the Ministry of Health as per the Ontario Drinking Water Standards. Ensured a minimum chlorine residual in the distribution of greater then 0.2 mg/L. Subsequent re-sampling indicated no adverse results.

Definitions & Terms

m^3 - Cubic Meter, $1m^3 = 1000$ litres
TCU - True Colour Units
$CaCO_3$ - Calcium Carbonate
mg - milligram
mg/L - milligrams per litre
ug/L - micrograms per litre
ng/L - nanograms per litre
NTU - Nephelometric Turbidity Units
MAC - Maximum Acceptable Concentration
IMAC - Interim Maximum Acceptable Concentration
Coliform Bacteria - a group of commonly occurring rod shaped bacteria. Their presence in a water sample is indicative of inadequate filtration and/or disinfection.
Fecal Coliform Bacteria - refers to a subgroup of coliform bacteria present in the digestive system of warm blooded animals and humans.
Heterotrophic Plate Count - a method of measuring bacterial content in water samples. Also known as Standard Plate Count.
Organic Parameter - a group of chemical compounds containing carbon.
Inorganic Parameter - a group of chemical compounds not containing carbon.
Raw Water - Surface or ground water available as a source of drinking water that has not received any treatment.

Required Testing

The Ontario Drinking Water Regulations and Certificates of Approval (C of A) set sampling requirements for the plant. All other sampling conforms to the Drinking Water Protection Regulation schedule for sampling and analysis. As water travels over the surface of the land or through the ground, it dissolves naturally occurring minerals and, in some cases can pick up substances resulting from the presence of animals or from human activity. Your water is extensively tested for the presence of dozens of compounds. The results of all analytical tests are available at your municipal office. The following table lists all compounds analyzed.

QUARTERLY REPORT ON DRINKING WATER QUALITY

April - June 2002, Finch Water Plant - Serving the Village of Finch

Finch Water Quality Test Results

Microbiological Parameters	MAC or IMAC	# of Samples	# of Detectable Results	Sampling Dates (m/d)	Range	Exceedence?	Typical Source of Contaminant
Total Coliform (counts/100ml)	0	42	1	04/01-06/30	2	yes	Indicate possible presence of coliform
Escherichia Coliform (counts/100ml)	0	42	0	04/01-06/30	n/a	no	Definite indicator of fecal contamination
Heterotrophic Plate Count (counts/100ml)	500	29	7	04/01-06/30	2-8	no	Indicator of deteriorating water quality if greater than 500
Parameters related to Microbiological Quality	**MAC or IMAC**	**# of Samples**	**# of Detectable Results**	**Sampling Dates (m/d)**	**Range**	**Exceedence?**	**Typical Source of Contaminant**
Turbidity (NTU)	1	Continuous	Continuous	04/01-06/30	0.07-0.85	no	Turbidity is a measure of particles in water
Free Chlorine – Plant Effluent (mg/l)	-	Continuous	Continuous	04/01-06/30	0.87-2.38	no	Chlorine added for Disinfection
Free Chlorine-Distribution (mg/l min 0.05 & max. 4.0)	-	Grab Sample weekly	weekly	04/01-06/30	1.0-2.0	no	Objective is 0.20 mg/l in the Distribution System (min. 0.05 mg/l required)
Inorganic Parameters (mg/l)	**MAC or IMAC**	**# of Samples**	**# of Detectable Results**	**Sampling Dates (m/d/y)**	**Range**	**Exceedence?**	**Typical Source of Contaminant**
Lead - Distribution (ug/l)	0.01	1	1	01/21/02	0.001	no	Leached from lead solder or brass plumbing fixtures
Nitrate	10	1	1	04/11/02	<0.1	no	Natural component of water
Nitrite	1	1	1	04/11/02	<0.1	no	
Arsenic	IMAC= 0.025	1	1	09/18/00	<0.001	no	
Barium	1	1	1	09/18/00	0.43	no	
Boron	IMAC= 5.0	1	1	09/18/00	0.17	no	
Cadmium	0.005	1	1	09/18/00	<0.0001	no	
Chromium (Total)	0.05	1	1	09/18/00	<0.01	no	
Copper	1	1	1	09/18/00	0.013	no	
Iron	0.3	1	1	09/18/00	<0.01	no	
Lead	0.01	1	1	09/18/00	<0.001	no	
Manganese	0.05	1	1	09/18/00	<0.01	no	
Mercury	0.001	1	1	09/18/00	<0.0001	no	
Selenium	0.01	1	1	09/18/00	<0.001	no	
Uranium	0.1	1	1	09/18/00	<0.001	no	
Sodium (System)	200	2	2	01/21/02-02/13/02	82-77	no	
Fluoride	2.4	1	1	01/21/02	0.47	no	
Volatile Organics (ug/l)	**MAC or IMAC**	**# of Samples**	**# of Detectable Results**	**Sampling Dates (m/d/y)**	**Range**	**Exceedence?**	**Typical Source of Contaminant**
Trihalomethanes - Plant	100	1	1	04/11/02	72.6	no	

QUARTERLY REPORT ON DRINKING WATER QUALITY

April - June 2002, Finch Water Plant - Serving the Village of Finch

Trihalomethanes - Dist.	100	1	1	04/11/02	74.6	no	
Benzene	5	1	1	04/11/02	<0.5	no	
Carbon Tetrachloride	5	1	1	04/11/02	<0.9	no	
Dichloromethane	50	1	1	04/11/02	<4	no	
1,2 - Dichlorobenzene	200	1	1	04/11/02	<0.4	no	
1, 4 - Dichlorobenzene	5	1	1	04/11/02	<0.4	no	
1,2 - Dichloroethane	IMAC=5	1	1	04/11/02	<0.7	no	
1,1 - Dichloroethylene	14	1	1	04/11/02	<0.5	no	
Volatile Organics (ug/l)	**MAC or IMAC**	**# of Samples**	**# of Detectable Results**	**Sampling Dates (m/d/y)**	**Range**	**Exceedence?**	**Typical Source of Contaminant**
Ethylbenzene	24	1	1	04/11/02	<0.5	no	
Monochlorobenzene	80	1	1	04/11/02	<0.2	no	
Tetrachloroethylene	30	1	1	04/11/02	<0.3	no	
Toluene	24	1	1	04/11/02	<0.5	no	
Trichloroethlyene	50	1	1	04/11/02	<0.3	no	
Vinyl chloride	2	1	1	04/11/02	<0.5	no	
Xylene	300	1	1	04/11/02	<2	no	
Bromodichloromethane	n/a	1	1	04/11/02	25.1	no	
Bromoform	n/a	1	1	04/11/02	2	no	
Chloroform	n/a	1	1	04/11/02	24.1	no	
Dibromochloromethane	n/a	1	1	04/11/02	21.4	no	
Pesticides & PCB (ug/L)	**MAC or IMAC**	**# of Samples**	**# of Detectable Results**	**Sampling Dates (m/d/y)**	**Range**	**Exceedence?**	**Typical Source of Contaminant**
Alachlor	IMAC=5	1	1	04/11/02	<0.5	no	
Aldicarb	9	1	1	04/11/02	<5.0	no	
Aldrin+Dieldrin		1	1	04/11/02	<0.07	no	
Atrazine	IMAC=5	1	1	04/11/02	<1.0	no	
Azinphos-methyl	20	1	1	04/11/02	<2.0	no	
Bendiocarb	40	1	1	04/11/02	<2.0	no	
Bromoxynil	IMAC=5	1	1	04/11/02	<0.5	no	
Carbaryl	90	1	1	04/11/02	<5.0	no	
Carbofuran	90	1	1	04/11/02	<5.0	no	
Chlordane	7	1	1	04/11/02	<0.7	no	
Chorpyrifus	90	1	1	04/11/02	<1.0	no	
Cyanazine	IMAC=10	1	1	04/11/02	<1.0	no	
Diaznon	20	1	1	04/11/02	<1.0	no	
Dicamba	120	1	1	04/11/02	<1.0	no	
2,4 Dichlorophenol	900	1	1	04/11/02	<0.5	no	
DDT + Metapolites	30	1	1	04/11/02	<3.0	no	
2,4 - Dichlorophenexy acid (2,4 -D)	IMAC=100	1	1	04/11/02	<1.0	no	
Diclofop-methyl	9	1	1	04/11/02	<0.9	no	
Dimethoate	IMAC=20	1	1	04/11/02	<2.5	no	
Dinoseb	10	1	1	04/11/02	<1.0	no	
Diquat	70	1	1	04/11/02	<7.0	no	
Diuron	150	1	1	04/11/02	<10.0	no	
Glyphosate	IMAC=280	1	1	04/11/02	<10.0	no	
Heprachlor + Heptachlor epoxide	3	1	1	04/11/02	<0.3	no	
Lindane	4	1	1	04/11/02	<0.4	no	
Malathion	190	1	1	04/11/02	<5.0	no	
Methoxychlor	900	1	1	04/11/02	<90	no	
Metolachlor	IMAC=50	1	1	04/11/02	<0.5	no	
Metribuzin	80	1	1	04/11/02	<5.0	no	
Paraquat	IMAC=10	1	1	04/11/02	<1.0	no	
Parathion	50	1	1	04/11/02	<1.0	no	

Pentachlorophenol	60	1	1	04/11/02	<0.5	no	
Phorate	IMAC=2	1	1	04/11/02	<0.5	no	
Picloram	IMAC=190	1	1	04/11/02	<5.0	no	
Polychlorinated Biphenyls	IMAC=3	1	1	04/11/02	<0.3	no	
Prometryne	IMAC=1	1	1	04/11/02	<0.25	no	
Simazine	IMAC=10	1	1	04/11/02	<1.0	no	
Temephos	IMAC=280	1	1	04/11/02	<10	no	
Terbufos	IMAC=1	1	1	04/11/02	<0.7	no	
2,3,4,6 Tetrachlorophenol	100	1	1	04/11/02	<0.5	no	
Triallate	230	1	1	04/11/02	<1.0	no	
2,4,6-Trichlorophenol	5	1	1	04/11/02	<0.5	no	
2,4,5 - trichlorophenoxy acedic acid	IMAC=280	1	1	04/11/02	<1.0	no	
Trifluralin	45	1	1	04/11/02	<1.0	no	

Additional Parameters Non-Health Related (mg/L)	AO or OG	# of Samples	# of Detectable Results	Sampling Dates (m/d/y)	Range	Exceedence?	Typical Source of Contaminant
Calcium	---	1	1	01/21/02	66	no	
Magnesium	---	1	1	01/21/02	29	no	
Potassium	---	1	1	01/21/02	6	no	

Questions & Answers

Q. What is an Accredited Laboratory?

A. Accredited labs must have undergone an on-site assessment and performance review of their methods by the Canadian Association of Environmental and Analytical Laboratories. The Standards Council of Canada grants accreditation to the lab based on the recommendation of the CAEAL. The accreditation requirements are repeated every two years.

Q. What had to be done to meet the new regulations?

A. The Finch Water Treatment Plant was following the Ontario Drinking Water Objectives (ODWO) before they became law, so little change was required to meet the new regulations. Our chlorine residual in the water leaving the plant was raised to slightly to achieve the (0.20 mg/L free chlorine) required level in the distribution system, and some changes were required in the way results are reported. This report to the public is also the result of the new regulations.

Q. What parameters did you test for?

A. Microbiological parameters, volatile organics, inorganics, pesticides and PCB's have been tested. The results are included in this report.

Q. Sometimes my water looks rusty or coloured. Why is that, and what should I do about it?

A. This is quite often caused when the tanks in older water heaters start to decay. If the colour is seen only in your hot water, this may be the problem. If the colour is also noticed in your cold water it could be coming from the water main. Various maintenance procedures in the distribution system - such as fire hydrant and valve maintenance, or main break repairs - require flushing of the water mains. Flushing can cause small particles of sediment to break off adding colour to the water. Please note that there is no health risk associated with this problem. This is usually only temporary, and opening your taps for a while to flush out your service line (the pipe from the water main to your house) should take care of the problem. Let the water run until the colour disappears.

QUARTERLY REPORT ON DRINKING WATER QUALITY

April - June 2002, Finch Water Plant - Serving the Village of Finch

Caduceon Environmental Laboratories

Division of Caduceon Enterprises Inc.

Certificate of Analysis

Client:
[redacted]ntario Clean Water Agency
[redacted]Industrial Dr.
Chesterville, ON
K0C 1H0

Attention: **Dave Markell**

Report: **220002968**
Project: Finch WTP
Date Sampled: April 2, 2002
Date Received: April 3, 2002
Date Printed: April 05, 2002
Matrix: Drinking Water

Parameter	Unit	MDL	Sample Identification			
			Well - Raw	WTP Treated	Dist. 83 Front	Dist. Seniors Res. (Kitchen)
Total Chlorine	mg/L	0.05		2.20	1.90	1.90
Free Chlorine	mg/L	0.05		1.90	1.70	1.30
E. coli	/100mL	1	absent	absent	absent	absent
Heterotrophic Plate Count	/mL	2	absent	8	absent	
Total Coliforms	/100mL	1	absent	absent	absent	absent

Caduceon Environmental Laboratories
2378 Holly Lane, Ottawa, Ontario, K1V 7P1, Canada
Tel: (613)526-0123, Fax: (613)526-1244

Michael Ziebell, General Manager

Caduceon Environmental Laboratories

Division of Caduceon Enterprises Inc.

Certificate of Analysis

Client:
[illegible]ntario Clean Water Agency
[illegible]ndustrial Dr.
Chesterville, ON
K0C 1H0

Attention: **Dave Markell**

Report: **220003203**
Project: Finch WTP
Date Sampled: April 8, 2002
Date Received: April 9, 2002
Date Printed: April 11, 2002
Matrix: Drinking Water

Parameter	Unit	MDL	Sample Identification			
			Well - Raw	WTP Treated	Dist. Barb's Diner	Dist. Sewage Pumping Station (SPS)
Total Chlorine	mg/L	0.05		2.40	1.30	1.20
Free Chlorine	mg/L	0.05		2.20	1.10	1.00
E. coli	/100mL	1	absent	absent	absent	absent
Heterotrophic Plate Count	/mL	2	absent	absent	absent	
Total Coliforms	/100mL	1	absent	absent	absent	2

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Michael Ziebell, General Manager

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Division of Caduceon Enterprises Inc.

Certificate of Analysis

Client:
[O]tario Clean Water Agency
[I]ndustrial Dr.
Chesterville, ON
K0C 1H0

Attention: **Dave Markell**

Report: **220003352**
Project: Finch WTP
Date Sampled: April 10, 2002
Date Received: April 11, 2002
Date Printed: April 15, 2002
Matrix: Drinking Water

Parameter	Unit	MDL	Sample Identification		
			Special SPS #1	Special Co-op Upstream	Special JLK Plumbing Upstream
Total Chlorine	mg/L	0.05	1.40	1.40	1.70
Free Chlorine	mg/L	0.05	1.20	1.20	1.40
E. coli	/100mL	1	absent	absent	absent
Heterotrophic Plate Count	/mL	2	absent	absent	absent
Total Coliforms	/100mL	1	absent	absent	absent

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Michael Ziebell, General Manager

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Division of Caduceon Enterprises Inc.

Certificate of Analysis

Client:
[redacted]ntario Clean Water Agency
[redacted]Industrial Dr.
Chesterville, ON
K0C 1H0

Attention: **Dave Markell**

Report: **220003480**
Project: Finch WTP
Date Sampled: April 15, 2002
Date Received: April 16, 2002
Date Printed: April 18, 2002

Matrix: Drinking Water

Parameter	Unit	MDL	Sample Identification			
			Well - Raw	WTP Treated	Dist. Smith Cartage	Dist. SPS #1
Total Chlorine	mg/L	0.05		2.60	1.50	1.70
Free Chlorine	mg/L	0.05		2.20	1.20	1.40
E. coli	/100mL	1	absent	absent	absent	absent
Heterotrophic Plate Count	/mL	2	absent	absent	absent	
Total Coliforms	/100mL	1	1	absent	absent	absent

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Michael Ziebell, General Manager

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Division of Caduceon Enterprises Inc.

Certificate of Analysis

Client:
[redacted]tario Clean Water Agency
5 Industrial Dr.
Chesterville, ON
K0C 1H0

Attention: **Dave Markell**

Report: **220003772**
Project: Finch WTP
Date Sampled: April 22, 2002
Date Received: April 23, 2002
Date Printed: April 25, 2002
Matrix: Drinking Water

Parameter	E. coli	Free Cl2	HPC	TC	Total Cl2
Unit	/100mL	mg/L	/mL	/100mL	mg/L
MDL	1	0.05	2	1	0.05
Sample ID					
Well - Raw	absent		absent	absent	
WTP Treated	absent	2.10	absent	absent	2.20
Dist. Barb's	absent	1.80	absent	absent	2.80
Dist. St. Bernard's	absent	2.00		absent	2.20

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Michael Ziebell, General Manager

Caduceon Environmental Laboratories

Division of Caduceon Enterprises Inc.

Certificate of Analysis

Client:
Ontario Clean Water Agency
Industrial Dr.
Chesterville, ON
K0C 1H0

Attention: **Dave Markell**

Report: **220004028**
Project: Finch WTP
Date Sampled: April 29, 2002
Date Received: April 30, 2002
Date Printed: May 02, 2002
Matrix: Drinking Water

Parameter	Unit	MDL	Sample Identification: Well - Raw	WTP Treated	Dist. Water Tower	Dist. SPS
Total Chlorine	mg/L	0.05		2.20	1.70	2.00
Free Chlorine	mg/L	0.05		1.70	1.50	1.70
E. coli	/100mL	1	absent	absent	absent	absent
Heterotrophic Plate Count	/mL	2		6	absent	
Total Coliforms	/100mL	1	absent	absent	absent	absent

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Tel: (613)526-0123, Fax: (613)526-1244

Michael Ziebell, General Manager

ACCUTEST LABORATORIES LTD.

REPORT OF ANALYSIS

Client: FINCH WELL SUPPLY

ATT: Mr. Blair Henderson

Report Number: 2204294
Date: 2002-04-17
Date Submitted: 2002-04-12

Project: Finch - Quarterly Chem

P.O. Number:
Matrix: Supply Water

		LAB ID:	176579				
		Sample Date:	2002-04-11				
		Sample ID:	FW-01				
PARAMETER	**UNITS**	**MDL**					
BTEX / 624 / PURGEABLE HYDROCARBONS							
Benzene	ug/L	0.5	<0.5 ✓				
Toluene	ug/L	0.5	<0.5 ✓				
Ethylbenzene	ug/L	0.5	<0.5 ✓				
m/p-xylene	ug/L	1.0	<1.0				
o-xylene	ug/L	0.5	<0.5				
Bromodichloromethane	ug/L	0.3	25.1 ✓				
Bromoform	ug/L	0.4	2.0 ✓				
[illegible]bon Tetrachloride	ug/L	0.9	<0.9 ✓				
[illegible]nochlorobenzene	ug/L	0.2	<0.2 ✓				
Chloroform	ug/L	0.5	24.1 ✓				
Dibromochloromethane	ug/L	0.3	21.4 ✓				
1,2-dichlorobenzene	ug/L	0.4	<0.4 ✓				
1,4-dichlorobenzene	ug/L	0.4	<0.4 ✓				
1,2-dichloroethane	ug/L	0.7	<0.7 ✓				
1,1-dichloroethylene	ug/L	0.5	<0.5 ✓				
Dichloromethane	ug/L	4.0	<4.0 ✓				
Tetrachloroethylene	ug/L	0.3	<0.3 ✓				
Trichloroethylene	ug/L	0.3	<0.3 ✓				
Vinyl Chloride	ug/L	0.5	<0.5 ✓				
TOTALS							
Trihalomethanes (total)	ug/L	2.0	72.6 ✓				
Xylene; total	ug/L	2.0	<2.0 ✓				
BTEX / 624 Surrogate Recoveries							
Toluene-d8	%		98				
1,2-dichloroethane-d4	%		89				
4-bromofluorobenzene	%		102				

MDL = Method Detection Limit INC = Incomplete
Comment:

APPROVAL: [signature]

8-146 Colonnade Road, Ottawa, ON, K2E 7Y1

608 Norris Court, Kingston, ON, K7P 2R9

ACCUTEST LABORATORIES LTD.

REPORT OF ANALYSIS

Client: FINCH WELL SUPPLY

ATT: Mr. Blair Henderson

Report Number: 2204294
Date: 2002-04-19
Date Submitted: 2002-04-12

Project: Finch - Quarterly Chem

P.O. Number:
Matrix: Supply Water

		LAB ID:	176579				
		Sample Date:	2002-04-11				
		Sample ID:	FW-01				
PARAMETER	**UNITS**	**MDL**	TREATEDWATER				
N-NO2	mg/L	0.10	<0.10	✓			
N-NO3	mg/L	0.10	<0.10				

MDL = Method Detection Limit INC = Incomplete
Comment:

APPROVAL: _____

8-146 Colonnade Road, Ottawa, ON, K2E 7Y1

608 Norris Court, Kingston, ON, K7P 2R9

ACCUTEST LABORATORIES LTD.

REPORT OF ANALYSIS

Client: Finch Well Supply

ATT: Mr. Blair Henderson

Report Number: 2204294
Date: 2002-05-07
Date Submitted: 2002-04-12

Project: Finch - Quarterly Chem

Sample Matrix: Supply Water

		LAB ID:	176579			
		Sample Date:	2002-04-11			
		Sample ID:	FW-01			
PARAMETER	**UNITS**	**MDL**				
PESTICIDES & PCB's						
Alachlor	mg/L	0.0005	<0.0005			
Aldicarb	mg/L	0.0050	<0.0050			
Aldrin + Dieldrin	mg/L	0.00007	<0.00007			
Atrazine	mg/L	0.001	<0.001			
Azinphos-methyl	mg/L	0.002	<0.002			
Bendiocarb	mg/L	0.0020	<0.0020			
Bromoxynil	mg/L	0.0005	<0.0005			
Carbaryl	mg/L	0.0050	<0.0050			
Carbofuran	mg/L	0.0050	<0.0050			
Chlordane (Total)	mg/L	0.0007	<0.0007			
Chloropyrifos	mg/L	0.0010	<0.0010			
Cyanazine	mg/L	0.0010	<0.0010			
Diazinon	mg/L	0.0010	<0.0010			
Dicamba	mg/L	0.0010	<0.0010			
Diquat	mg/L	0.0070	<0.0070			
2,4-Dichlorophenol	mg/L	0.0005	<0.0005			
DDT	mg/L	0.0030	<0.0030			
2,4-D	mg/L	0.0010	<0.0010			
Diclofop-methyl	mg/L	0.0009	<0.0009			
Dimethoate	mg/L	0.0025	<0.0025			
Dinoseb	mg/L	0.0010	<0.0010			
Diuron	mg/L	0.010	<0.010			
Glyphosate	mg/L	0.010	<0.010			
Heptachlor + Hept. Epoxide	mg/L	0.0003	<0.0003			
Lindane (Total)	mg/L	0.0004	<0.0004			
Malathion	mg/L	0.0050	<0.0050			
Methoxychlor	mg/L	0.0900	<0.0900			
Metolachlor	mg/L	0.0005	<0.0005			

ND = Not Detected (< MDL) MDL = Method Detection Limit

Comment:

APPROVAL:

146 Colonnade Road, Unit 8, Nepean, Ontario K2E 7Y1 Tel:(613)727-5692 Fax:(613)727-5222

ACCUTEST LABORATORIES LTD.

REPORT OF ANALYSIS

Client: Finch Well Supply

ATT: Mr. Blair Henderson

Report Number: 2204294
Date: 2002-05-07
Date Submitted: 2002-04-12

Project: Finch - Quarterly Chem

Sample Matrix: Supply Water

	LAB ID:	176579
	Sample Date:	2002-04-11
	Sample ID:	FW-01

PARAMETER	UNITS	MDL	
Metribuzin	mg/L	0.005	<0.005
Paraquat	mg/L	0.0010	<0.0010
Parathion	mg/L	0.0010	<0.0010
Pentachlorophenol	mg/L	0.0005	<0.0005
Phorate	mg/L	0.0005	<0.0005
Picloram	mg/L	0.0050	<0.0050
PCB's (total)	mg/L	0.0003	<0.0003
Prometryne	mg/L	0.00025	<0.00025
Simazine	mg/L	0.0010	<0.0010
[illegible]mephos	mg/L	0.010	<0.010
[illegible]rbufos	mg/L	0.0007	<0.0007
2,3,4,6-Tetrachlorophenol	mg/L	0.0005	<0.0005
Triallate	mg/L	0.0010	<0.0010
2,4,6-Trichlorophenol	mg/L	0.0005	<0.0005
Trifluralin	mg/L	0.0010	<0.0010
2,4,5-T	mg/L	0.0010	<0.0010

all checked

ND = Not Detected (< MDL)

MDL = Method Detection Limit

Comment:

APPROVAL: _____

146 Colonnade Road, Unit 8, Nepean, Ontario K2E 7Y1 Tel:(613)727-5692 Fax:(613)727-5222

ACCUTEST LABORATORIES LTD.

REPORT OF ANALYSIS

Client: FINCH WELL SUPPLY

ATT: Mr. Blair Henderson

Report Number: 2204303
Date: 2002-04-17
Date Submitted: 2002-04-12

Project: Finch - Quarterly Chem

P.O. Number:
Matrix: Supply Water

		LAB ID:	176592				
		Sample Date:	2002-04-11				
		Sample ID:	FW-01				
PARAMETER	**UNITS**	**MDL**					
BTEX / 624 / PURGEABLE HYDROCARBONS							
Bromodichloromethane	ug/L	0.3	23.6				
Bromoform	ug/L	0.4	2.3				
Chloroform	ug/L	0.5	25.7				
Dibromochloromethane	ug/L	0.3	23.0				
TOTALS							
Trihalomethanes (total)	ug/L	2.0	74.6				
BTEX / 624 Surrogate Recoveries							
[redacted]ene-d8	%		98				

MDL = Method Detection Limit INC = Incomplete
Comment:

APPROVAL: _____

8-146 Colonnade Road, Ottawa, ON, K2E 7Y1

608 Norris Court, Kingston, ON, K7P 2R9

Caduceon Environmental Laboratories

Division of Caduceon Enterprises Inc.

Certificate of Analysis

Client:
[O]ntario Clean Water Agency
[3] Industrial Dr.
Chesterville, ON
K0C 1H0

Attention: **Dave Markell**

Report: **220004302**
Project: Finch WTP
Date Sampled: May 6, 2002
Date Received: May 7, 2002
Date Printed: May 09, 2002
Matrix: Drinking Water

Parameter	Unit	MDL	Sample Identification			
			Well -Raw	WTP Treated	Dist. Seniors	Dist. Co-op
Total Chlorine	mg/L	0.05		2.30	1.90	2.00
Free Chlorine	mg/L	0.05		1.90	1.80	1.90
E. coli	/100mL	1	absent	absent	absent	absent
Heterotrophic Plate Count	/mL	2		absent	2	
Total Coliforms	/100mL	1	absent	absent	absent	absent

Caduceon Environmental Laboratories
2378 Holly Lane, Ottawa, Ontario, K1V 7P1, Canada
Tel: (613)526-0123, Fax: (613)526-1244

FOR Michael Ziebell, General Manager

Caduceon Environmental Laboratories

Division of Caduceon Enterprises Inc.

Certificate of Analysis

Client:
[redacted]tario Clean Water Agency
[redacted]Industrial Dr.
Chesterville, ON
K0C 1H0

Attention: **Dave Markell**

Report: **220004586**
Project: Finch WTP
Date Sampled: May 13, 2002
Date Received: May 13, 2002
Date Printed: May 15, 2002
Matrix: Drinking Water

Parameter	Unit	MDL	Sample Identification			
			Well #2 - Raw	WTP Treated	Dist. Separate School	Dist. Barb's Diner
Total Chlorine	mg/L	0.05		1.70	1.80	1.70
Free Chlorine	mg/L	0.05		1.30	1.60	1.40
E. coli	/100mL	1	absent	absent	absent	absent
Heterotrophic Plate Count	/mL	2		absent	2	
Total Coliforms	/100mL	1	absent	absent	absent	absent

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Michael Ziebell, General Manager

Caduceon Environmental Laboratories

Division of Caduceon Enterprises Inc.

Certificate of Analysis

Client:
Ontario Clean Water Agency
5 Industrial Dr.
Chesterville, ON
K0C 1H0

Attention: **Dave Markell**

Report: **220004900**
Project: Finch WTP
Date Sampled: May 21, 2002
Date Received: May 22, 2002
Date Printed: May 24, 2002
Matrix: Drinking Water

Parameter	Unit	MDL	Sample Identification			
			Well - Raw	WTP Treated	Dist. Water Tower	Dist. Sonar
Total Chlorine	mg/L	0.05		1.90	1.50	2.20
Free Chlorine	mg/L	0.05		1.60	1.30	1.80
E. coli	/100mL	1	absent	absent	absent	absent
Heterotrophic Plate Count	/mL	2		absent	absent	
Total Coliforms	/100mL	1	absent	absent	absent	absent

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Michael Ziebell, General Manager

Caduceon Environmental Laboratories

Division of Caduceon Enterprises Inc.

Certificate of Analysis

Client:
Ontario Clean Water Agency
5 Industrial Dr.
Chesterville, ON
K0C 1H0

Attention: **Dave Markell**

Report: 220005177
Project: Finch WTP
Date Sampled: May 27, 2002
Date Received: May 28, 2002
Date Printed: May 30, 2002
Matrix: Drinking Water

Parameter	Unit	MDL	Sample Identification			
			Well - Raw	WTP Treated	Dist. Barb's	Dist. Carl's
Total Chlorine	mg/L	0.05		2.30	1.70	1.70
Free Chlorine	mg/L	0.05		2.00	1.30	1.50
E. coli	/100mL	1	absent	absent	absent	absent
Heterotrophic Plate Count	/mL	2		absent	absent	
Total Coliforms	/100mL	1	absent	absent	absent	absent

Caduceon Environmental Laboratories
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Tel: (613)526-0123, Fax: (613)526-1244

FOR Michael Ziebell, General Manager

Caduceon Environmental Laboratories

Division of Caduceon Enterprises Inc.

Certificate of Analysis

Client:
Ontario Clean Water Agency
5 Industrial Dr.
Chesterville, ON
K0C 1H0

Attention: **Dave Markell**

Report: 220005452
Project: Finch WTP
Date Sampled: June 3, 2002
Date Received: June 4, 2002
Date Printed: June 06, 2002
Matrix: Drinking Water

Parameter	Unit	MDL	Sample Identification			
			Well - Raw	WTP Treated	Dist. St. Bernard	Dist. SPS
Total Chlorine	mg/L	0.05		1.90	1.80	1.40
Free Chlorine	mg/L	0.05		1.70	1.80	1.30
E. coli	/100mL	1	absent	absent	absent	absent
Heterotrophic Plate Count	/mL	2		absent	absent	
Background bacteria	/100mL	1	absent			
Total Coliforms	/100mL	1	absent	absent	absent	absent

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Michael Ziebell, General Manager

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Division of Caduceon Enterprises Inc.

Certificate of Analysis

Client:
[redacted]tario Clean Water Agency
[redacted] Industrial Dr.
Chesterville, ON
K0C 1H0

Attention: **Dave Markell**

Report: **220005850**
Project: Finch WTP
Date Sampled: June 10, 2002
Date Received: June 11, 2002
Date Printed: June 13, 2002

Matrix: Drinking Water

Parameter	Unit	MDL	Sample Identification			
			Well - Raw	WTP Treated	Dist. Barb's Diner	Dist. St. Bernard's School
Total Chlorine	mg/L	0.05		1.90	1.60	2.00
Free Chlorine	mg/L	0.05		1.60	1.40	1.70
E. coli	/100mL	1	absent	absent	absent	absent
Heterotrophic Plate Count	/mL	2		4	8	
Total Coliforms	/100mL	1	absent	absent	absent	absent

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Tel: (613)526-0123, Fax: (613)526-1244

Michael Ziebell, General Manager

Caduceon Environmental Laboratories

Division of Caduceon Enterprises Inc.

Certificate of Analysis

Client:
[redacted]ario Clean Water Agency
5 Industrial Dr.
Chesterville, ON
K0C 1H0

Attention: **Dave Markell**

Report: **220006125**
Project: Finch WTP
Date Sampled: June 17, 2002
Date Received: June 18, 2002
Date Printed: June 20, 2002
Matrix: Drinking Water

Parameter	Unit	MDL	Sample Identification			
			Well - Raw	WTP Treated	Dist. Water Tower	Dist. Barb's
Total Chlorine	mg/L	0.05		1.90	1.60	1.20
Free Chlorine	mg/L	0.05		1.60	1.50	1.10
E. coli	/100mL	1	absent	absent	absent	absent
Heterotrophic Plate Count	/mL	2		absent	absent	
Background bacteria	/100mL	1	absent			
Total Coliforms	/100mL	1	absent	absent	absent	absent

Caduceon Environmental Laboratories
2378 Holly Lane, Ottawa, Ontario, K1V 7P1, Canada
Tel: (613)526-0123, Fax: (613)526-1244

Michael Ziebell, General Manager

Caduceon Environmental Laboratories

Division of Caduceon Enterprises Inc.

Certificate of Analysis

Client:
[O]ntario Clean Water Agency
[5] Industrial Dr.
Chesterville, ON
K0C 1H0

Attention: **Dave Markell**

Report: **220006430**
Project: Finch WTP
Date Sampled: June 24, 2002
Date Received: June 25, 2002
Date Printed: June 27, 2002
Matrix: Drinking Water

Parameter	Unit	MDL	Sample Identification			
			Well - Raw	WTP Treated	Dist. SPS	Dist. Sonar
Total Chlorine	mg/L	0.05		1.60	1.10	1.10
Free Chlorine	mg/L	0.05		1.30	1.00	1.00
E. coli	/100mL	1	absent	absent	absent	absent
Heterotrophic Plate Count	/mL	2		2	absent	
Background bacteria	/100mL	1	3			
Total Coliforms	/100mL	1	absent	absent	absent	absent

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Michael Ziebell, General Manager

QUARTERLY REPORT ON DRINKING WATER QUALITY

July-September 2002, Finch Water Plant - Serving the Village of Finch

Finch Drinking Water Quality

Ontario Drinking Water Protection Regulations

The Ontario Clean Water Agency, as the contract operator of the Finch Water Treatment Facility on behalf of the Township of North Stormont, is pleased to present the 2002 Third Quarter Report on drinking water quality. This report has been prepared in response to legislative changes brought about by "Operation Clean Water", an initiative of Ontario's Ministry of the Environment to ensure high quality drinking water for the residents of Ontario. The new regulations put into law what was formerly the Ontario Drinking Water Objectives (ODWO), and sets requirements for public waterworks with regard to sampling and testing, levels of treatment, licensing of staff, and notification of authorities and the public about water quality.

Further information on the Ontario Drinking Water Regulations can be found on the Ministry of the Environment web site at www.ene.gov.on.ca

Where to contact us for information

Ontario Clean Water Agency
Agence Ontarienne Des Eaux

Web site at www.ocwa.com

Client Services Representative: John Kingsbury
Phone : (613) 774-3663
E-mail Address: jkingsbury@ocwa.com

Operations Manager: Blair Henderson
Phone: (613) 448-3098
E-mail Address: bhenderson@ocwa.com

You may also contact the Township of North Stormont directly by contacting Rheal Charbonneau, Clerk-Treasurer, Tel. (613) 984-2821 or
e-mail address: admin@northstormont.on.ca

Free copies of this report are available at the Township office or their website @ www.townshipofnorthstormont.on.ca

INSIDE THIS REPORT

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July - September 2001, Finch Water Plant - Serving the Village of Finch

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Phone : (613) 821-3371
E-mail Address: jkingsbury@ocwa.com

Operations Manager: Blair Henderson
Phone: (613) 448-3098
E-mail Address: bhenderson@ocwa.com

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e-mail address: norstor@cnwl.igs.net

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INSIDE THIS REPORT

QUARTERLY REPORT ON DRINKING WATER QUALITY

July-September 2002, Finch Water Plant - Serving the Village of Finch

Introduction

We are proud to report that for the period July to September 2002, your water conformed to the Ontario Drinking Water Standards as set out in Ontario Regulation 459/00. The Ontario Clean Water Agency (OCWA) is dedicated to maximizing public health and safety through efficient and reliable operation of your water facility and distribution system.

Plant Description and Treatment Processes

Facility Name:	Finch WTP & Distribution System
Total Design Capacity	778 cubic meters/day
Raw Water Source	Groundwater
Disinfection Method	Sodium Hypochlorite
Municipal Location	Municipal Office, 2 Victoria Street, Berwick
Service Area	Village of Finch
Service Population	441

Operational Description:

Raw Water Source: Two drilled wells located at 20 William Street in the Village of Finch.

Low Lift Pumps: Two submersible well pumps, one duty and one standby, direct the water from the wells to a 9.5 L/second force draft aeration tower, where H2S is removed from the raw water. Water from the aeration tower is chemically injected with Sodium Hypochlorite for disinfection, prior to entry to the 20 cubic meter clear well.

High Lift Pumps: Two high lift pumps, one duty and one standby, move the chlorinated water from the clear well to the pressure filters.

Filters: Two 4 Litre/second dual media pressure filters, remove particles from the chlorinated water. Filter backwash treatment system consists of a 15 cubic meter surge tank, with a 1.4 cubic meter settling tank and an 18 cubic meter sludge holding tank.

Elevated Storage Tank: The plant treated water, after filtration, is directed to the distribution grid and elevated storage tank with a capacity of 580 cubic meters.

Distribution System: There are approximately 441 persons supplied with water from the Finch Water Treatment Plant.

QUARTERLY REPORT ON DRINKING WATER QUALITY

July - September 2001, Finch Water Plant - Serving the Village of Finch

Introduction

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Plant Description and Treatment Processes

Facility Name:	Finch WTP & Distribution System
Total Design Capacity	691 cubic meters/day
Raw Water Source	Groundwater
Disinfection Method	Sodium Hypochlorite
Municipal Location	Municipal Office, 2 Victoria Street, Berwick
Service Area	Village of Finch
Service Population	441

Operational Description:

Raw Water Source: Two drilled wells located at 20 William Street in the Village of Finch.

Low Lift Pumps: Two submersible well pumps, one duty and one standby, direct the water from the wells to a 9.5 L/second force draft aeration tower, where H2S is removed from the raw water. Water from the aeration tower is chemically injected with Sodium Hypochlorite for disinfection, prior to entry to the 20 cubic meter clear well.

High Lift Pumps: Two high lift pumps, one duty and one standby, move the chlorinated water from the clear well to the pressure filters.

Filters: Two 4 Litre/second dual media pressure filters, remove particles from the chlorinated water. Filter backwash treatment system consists of a 15 cubic meter surge tank, with a 1.4 cubic meter settling tank and an 18 cubic meter sludge holding tank.

Elevated Storage Tank: The plant treated water, after filtration, is directed to the distribution grid and elevated storage tank with a capacity of 580 cubic meters.

Distribution System: There are approximately 441 persons supplied with water from the Finch Water Treatment Plant.

QUARTERLY REPORT ON DRINKING WATER QUALITY

July-September 2002, Finch Water Plant - Serving the Village of Finch

Quality Control & Compliance With Provincial Regulations

This plant provides multiple barriers against bacteriological contamination. Bacteriological testing is carried out on raw water, treated water and distribution samples on a regular frequency. On-line analysers for chlorine residuals and turbidity ensure daily monitoring of water leaving the plant. Chlorine levels in the distribution system are also checked on a regular basis. More specialized testing occurs monthly and quarterly and includes Volatile Organics, Inorganics, Pesticides and PCB's.

OCWA uses internal compliance auditing techniques by teams from within the organization. OCWA operates the Finch Water Treatment Facility in accordance with provincial regulations. Here is how we do it:

- Use of Accredited Labs. Analytical tests to monitor your water quality are conducted by a laboratory audited by the Canadian Association for Environmental Analytical Laboratories (CAEAL) and accredited by the Standards Council of Canada (SCC). Accreditation ensures that the laboratory has acceptable laboratory protocols and test methods in place. It also requires the laboratory to provide evidence and assurances of the proficiency of the analysts performing the test methods.

- Operation by Licensed Operators. Your water treatment plant is operated and maintained by the Ontario Clean Water Agency's competent and licensed staff. The mandatory licensing program for operators of drinking water facilities is regulated under the *Ontario Water Resources Act (OWRA)* Regulation 435/93. Licensing means that an individual meets the education and experience requirements and has successfully passed the certificate exam.

- Sampling and Analytical requirements. OCWA follows a sampling and analysis schedule required by *OWRA* Regulation 459/00, the Ontario Drinking Water Standards. More information on sampling and analysis including results are available in this report and from your municipal office.

- Adherence to Ministry Guidelines and Procedures. To ensure the protection of the health and operational excellence, the OCWA adheres to the guidelines and procedures developed by the Ministry of the Environment and the Ministry of Health.

Did We Exceed the Standards?

With respect to Operational Parameters, no reportable exeedances were experienced.

Definitions & Terms

QUARTERLY REPORT ON DRINKING WATER QUALITY

July - September 2001, Finch Water Plant - Serving the Village of Finch

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Did We Exceed the Standards?

During the third quarter, in the month of July, 2 samples from the distribution system were found to exceed the Ontario Drinking Water Standards as set out in Ontario Regulation 459/00. As a result we actively undertook the following remedial actions:

Immediately notified the Mininstry of Environment as per O.D.W.O.. Ensured a minimum chlorine residual in the distribution of greater then 0.2 mg/L. Subsequent re-sampling indicated no adverse results.

m^3 - Cubic Meter, $1m^3 = 1000$ litres
TCU - True Colour Units
$CaCO_3$ - Calcium Carbonate
mg - milligram
mg/L - milligrams per litre
ug/L - micrograms per litre
ng/L - nanograms per litre
NTU - Nephelometric Turbidity Units
MAC - Maximum Acceptable Concentration
IMAC - Interim Maximum Acceptable Concentration
Coliform Bacteria - a group of commonly occurring rod shaped bacteria. Their presence in a water sample is indicative of inadequate filtration and/or disinfection.
Fecal Coliform Bacteria - refers to a subgroup of coliform bacteria present in the digestive system of warm blooded animals and humans.
Heterotrophic Plate Count - a method of measuring bacterial content in water samples. Also known as Standard Plate Count.
Organic Parameter - a group of chemical compounds containing carbon.
Inorganic Parameter - a group of chemical compounds not containing carbon.
Raw Water - Surface or ground water available as a source of drinking water that has not received any treatment.

Required Testing

The Ontario Drinking Water Regulations and Certificates of Approval (C of A) set sampling requirements for the plant. All other sampling conforms to the Drinking Water Protection Regulation schedule for sampling and analysis. As water travels over the surface of the land or through the ground, it dissolves naturally occurring minerals and, in some cases can pick up substances resulting from the presence of animals or from human activity. Your water is extensively tested for the presence of dozens of compounds. The results of all analytical tests are available at your municipal office. The following table lists all compounds analyzed.

Finch Water Quality Test Results

Microbiological Parameters	MAC or IMAC	# of Samples	# of Detectable Results	Sampling Dates (m/d)	Range	Exceedence?	Typical Source of Contaminant
Total Coliform (counts/100ml)	0	42	0	07/01-09/30	n/a	no	Indicate possible presence of coliform
Escherichia Coliform (counts/100ml)	0	42	0	07/01-09/30	n/a	no	Definite indicator of fecal contamination
Heterotrophic Plate Count (counts/100ml)	500	28	12	07/01-09/30	2-478	no	Indicator of deteriorating water quality if greater than 500
Parameters related to Microbiological Quality	**MAC or IMAC**	**# of Samples**	**# of Detectable Results**	**Sampling Dates (m/d)**	**Range**	**Exceedence?**	**Typical Source of Contaminant**

QUARTERLY REPORT ON DRINKING WATER QUALITY

July - September 2001, Finch Water Plant - Serving the Village of Finch

Definitions & Terms

m^3 - Cubic Meter, $1m^3 = 1000$ litres
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mg/L - milligrams per litre
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Finch Water Quality Test Results

Microbiological Parameters	MAC or IMAC	# of Samples	# of Detectable Results	Sampling Dates (m/d/y)	Range	Exceedence?	Typical Source of Contaminant
Total Coliform (counts/100ml)	0	45	1	07/01/01-09/30/01	0-1	yes	Indicate possible presence of coliform
Escherichia Coliform (counts/100ml)	0	45	0	07/01/01-09/30/01	n/a	no	Definite indicator of fecal contamination
Heterotrophic Plate Count (counts/100ml)	500	34	10	07/01/01-09/30/01	2 - >500	yes	Indicator of deteriorating water quality if greater than 500
Parameters related to Microbiological	MAC or	# of Samples	# of Detectable	Sampling Dates	Range	Exceedence?	Typical Source of Contaminant

QUARTERLY REPORT ON DRINKING WATER QUALITY

July-September 2002, Finch Water Plant - Serving the Village of Finch

Turbidity (NTU)	1	Continuous	Continuous	07/01-09/30	0.11-0.58	no	Turbidity is a measure of particles in water
Free Chlorine – Plant Effluent (mg/l)	-	Continuous	Continuous	07/01-09/30	1.09-2.40	no	Chlorine added for Disinfection
Free Chlorine-Distribution (mg/l min 0.05 & max. 4.0)	-	Grab Sample weekly	weekly	07/01-09/30	0.70-2.20	no	Objective is 0.20 mg/l in the Distribution System (min. 0.05 mg/l required)

Inorganic Parameters (mg/l)	MAC or IMAC	# of Samples	# of Detectable Results	Sampling Dates (m/d/y)	Range	Exceedence?	Typical Source of Contaminant
Lead - Distribution (ug/l)	0.01	1	1	01/21/02	0.001	no	Leached from lead solder or brass plumbing fixtures
Nitrate	10	1	1	08/08/02	0.11	no	Natural component of water
Nitrite	1	1	1	08/08/02	<0.1	no	
Arsenic	IMAC= 0.025	1	1	09/18/00	<0.001	no	
Barium	1	1	1	09/18/00	0.43	no	
Boron	IMAC= 5.0	1	1	09/18/00	0.17	no	
Cadmium	0.005	1	1	09/18/00	<0.0001	no	
Chromium (Total)	0.05	1	1	09/18/00	<0.01	no	
Copper	1	1	1	09/18/00	0.013	no	
Iron	0.3	1	1	09/18/00	<0.01	no	
Lead	0.01	1	1	09/18/00	<0.001	no	
Manganese	0.05	1	1	09/18/00	<0.01	no	
Mercury	0.001	1	1	09/18/00	<0.0001	no	
Selenium	0.01	1	1	09/18/00	<0.001	no	
Uranium	0.1	1	1	09/18/00	<0.001	no	
Sodium (System)	200	2	2	01/21/02-02/13/02	82-77	no	
Fluoride	2.4	1	1	01/21/02	0.47	no	

Volatile Organics (ug/l)	MAC or IMAC	# of Samples	# of Detectable Results	Sampling Dates (m/d/y)	Range	Exceedence?	Typical Source of Contaminant
Trihalomethanes - Plant	100	1	1	08/08/02	50.9	no	
Trihalomethanes - Dist.	100	1	1	08/08/02	59.8	no	
Benzene	5	1	1	08/08/02	<0.5	no	
Carbon Tetrachloride	5	1	1	08/08/02	<0.9	no	
Dichloromethane	50	1	1	08/08/02	<4	no	
1,2 - Dichlorobenzene	200	1	1	08/08/02	<0.4	no	
1, 4 - Dichlorobenzene	5	1	1	08/08/02	<0.4	no	
1,2 - Dichloroethane	IMAC= 5	1	1	08/08/02	<0.7	no	
1,1 - Dichloroethylene	14	1	1	08/08/02	<0.5	no	
Ethylbenzene	24	1	1	08/08/02	<0.5	no	
Monochlorobenzene	80	1	1	08/08/02	<0.2	no	
Tetrachloroethylene	30	1	1	08/08/02	<0.3	no	
Toluene	24	1	1	08/08/02	<0.5	no	
Trichloroethlyene	50	1	1	08/08/02	<0.3	no	
Vinyl chloride	2	1	1	08/08/02	<0.5	no	
Xylene	300	1	1	08/08/02	<2	no	
Bromodichloromethane	n/a	1	1	08/08/02	16.3	no	
Bromoform	n/a	1	1	08/08/02	<0.4	no	
Chloroform	n/a	1	1	08/08/02	16.8	no	
Dibromochloromethane	n/a	1	1	08/08/02	17.8	no	

Pesticides & PCB (ug/L)	MAC or IMAC	# of Samples	# of Detectable Results	Sampling Dates (m/d/y)	Range	Exceedence?	Typical Source of Contaminant
Alachlor	IMAC=5	1	1	08/08/02	<0.5	no	

QUARTERLY REPORT ON DRINKING WATER QUALITY

July - September 2001, Finch Water Plant - Serving the Village of Finch

Quality	IMAC	Results	Results	(m/d/y)			
Turbidity (NTU)	1	daily	daily	07/01/01-09/30/01	0.11-0.38	no	Turbidity is a measure of particles in water
Free Chlorine – Plant Effluent (mg/l)	-	Continuous	Continuous	07/01/01-09/30/01	1.3-2.33	no	Chlorine added for disinfection
Free Chlorine-Distribution (mg/l min 0.05 & max. 4.0)	-	Grab Sample weekly	weekly	07/01/01-09/30/01	0.6-2.2	no	Objective is 0.20 mg/l in the Distribution System (min. 0.05 mg/l required)
Inorganic Parameters (mg/l)	MAC or IMAC	# of Samples	# of Detectable Results	Sampling Dates (m/d/y)	Range	Exceedance?	Typical Source of Contaminant
Lead - Distribution (ug/l)	0.01	1	1	02/01/01	0.001	no	Leached from lead solder or brass plumbing fixtures
Nitrate	10	1	1	08/08/01	<0.1	no	Natural component of water
Nitrite	1	1	1	08/08/01	<0.1	no	
Arsenic	IMAC= 0.025	1	1	09/18/00	<0.001	no	
Barium	1	1	1	09/18/00	0.43	no	
Boron	IMAC= 5.0	1	1	09/18/00	0.17	no	
Cadmium	0.005	1	1	09/18/00	<0.0001	no	
Chromium (Total)	0.05	1	1	09/18/00	<0.01	no	
Copper	1	1	1	09/18/00	0.013	no	
Iron	0.3	1	1	09/18/00	<0.01	no	
Lead	0.01	1	1	09/18/00	<0.001	no	
Manganese	0.05	1	1	09/18/00	<0.01	no	
Mercury	0.001	1	1	09/18/00	<0.0001	no	
Selenium	0.01	1	1	09/18/00	<0.001	no	
Uranium	0.1	1	1	09/18/00	<0.001	no	
Sodium (System)	200	1	1	02/01/01	80	no	
Fluoride	2.4	1	1	02/01/01	0.5	no	
Volatile Organics (ug/l)	MAC or IMAC	# of Samples	# of Detectable Results	Sampling Dates (m/d/y)	Range	Exceedance?	Typical Source of Contaminant
Trihalomethanes - Plant	100	1	1	08/08/01	87.4	no	
Trihalomethanes - Dist.	100	1	1	08/08/01	0	no	System sample lost in transit. Re-sampled Oct.25/01.MoE notified.
Benzene	5	1	1	08/08/01	<0.5	no	
Carbon Tetrachloride	5	1	1	08/08/01	<0.9	no	
Dichloromethane	50	1	1	08/08/01	<4	no	
1,2 - Dichlorobenzene	200	1	1	08/08/01	<0.4	no	
1, 4 - Dichlorobenzene	5	1	1	08/08/01	<0.4	no	
1,2 - Dichloroethane	IMAC= 5	1	1	08/08/01	<0.7	no	
1,1 - Dichloroethylene	14	1	1	08/08/01	<0.5	no	
Ethylbenzene	24	1	1	08/08/01	<0.5	no	
Monochlorobenzene	80	1	1	08/08/01	<0.2	no	
Tetrachloroethylene	30	1	1	08/08/01	<0.3	no	
Toluene	24	1	1	08/08/01	<0.5	no	
Trichloroethlyene	50	1	1	08/08/01	<0.3	no	
Vinyl chloride	2	1	1	08/08/01	<0.5	no	
Xylene	300	1	1	08/08/01	<2.0	no	
Bromodichloromethane	n/a	1	1	08/08/01	21.3	no	
Bromoform	n/a	1	1	08/08/01	3.3	no	
Chloroform	n/a	1	1	08/08/01	33.1	no	
Dibromochloromethane	n/a	1	1	08/08/01	29.7	no	

Pesticides & PCB (ug/L)	MAC or IMAC	# of Samples	# of Detectable	Sampling Dates	Range	Exceedance?	Typical Source of Contaminant

QUARTERLY REPORT ON DRINKING WATER QUALITY

July-September 2002, Finch Water Plant - Serving the Village of Finch

Aldicarb	9	1	1	08/08/02	<5.0	no	
Aldrin+Dieldrin	0.7	1	1	08/08/02	<0.018	no	
Atrazine	IMAC=5	1	1	08/08/02	<1.0	no	
Azinphos-methyl	20	1	1	08/08/02	<2.0	no	
Bendiocarb	40	1	1	08/08/02	<2.0	no	
Bromoxynil	IMAC=5	1	1	08/08/02	<0.5	no	
Carbaryl	90	1	1	08/08/02	<5.0	no	
Carbofuran	90	1	1	08/08/02	<5.0	no	
Chlordane	7	1	1	08/08/02	<0.012	no	
Chorpyrifus	90	1	1	08/08/02	<1.0	no	
Cyanazine	IMAC=10	1	1	08/08/02	<1.0	no	
Diaznon	20	1	1	08/08/02	<1.0	no	
Dicamba	120	1	1	08/08/02	<1.0	no	
2,4 Dichlorophenol	900	1	1	08/08/02	<0.5	no	
DDT + Metabolites	30	1	1	08/08/02	<0.024	no	
2,4 - Dichlorophenexy acid (2,4 -D)	IMAC=100	1	1	08/08/02	<1.0	no	
Diclofop-methyl	9	1	1	08/08/02	<0.9	no	
Dimethoate	IMAC=20	1	1	08/08/02	<2.5	no	
Dinoseb	10	1	1	08/08/02	<1.0	no	
Diquat	70	1	1	08/08/02	<7.0	no	
Diuron	150	1	1	08/08/02	<10.0	no	
Glyphosate	IMAC=280	1	1	08/08/02	<10.0	no	
Heprachlor + Heptachlor epoxide	3	1	1	08/08/02	<0.012	no	
Lindane	4	1	1	08/08/02	<0.006	no	
Malathion	190	1	1	08/08/02	<5.0	no	
Methoxychlor	900	1	1	08/08/02	<0.024	no	
Metolachlor	IMAC=50	1	1	08/08/02	<0.5	no	
Metribuzin	80	1	1	08/08/02	<5.0	no	
Paraquat	IMAC=10	1	1	08/08/02	<1.0	no	
Parathion	50	1	1	08/08/02	<1.0	no	
Pentachlorophenol	60	1	1	08/08/02	<0.5	no	
Phorate	IMAC=2	1	1	08/08/02	<0.5	no	
Picloram	IMAC=190	1	1	08/08/02	<5.0	no	
Polychlorinated Biphenyls	IMAC=3	1	1	08/08/02	<0.05	no	
Prometryne	IMAC=1	1	1	08/08/02	<0.25	no	
Simazine	IMAC=10	1	1	08/08/02	<1.0	no	
Temephos	IMAC=280	1	1	08/08/02	<10	no	
Terbufos	IMAC=1	1	1	08/08/02	<0.7	no	
2,3,4,6 Tetrachlorophenol	100	1	1	08/08/02	<0.5	no	
Triallate	230	1	1	08/08/02	<1.0	no	
2,4,6-Trichlorophenol	5	1	1	08/08/02	<0.5	no	
2,4,5 - trichlorophenoxy acedic acid	IMAC=280	1	1	08/08/02	<1.0	no	
Trifluralin	45	1	1	08/08/02	<1.0	no	

Additional Parameters Non-Health Related (mg/L)	AO or OG	# of Samples	# of Detectable Results	Sampling Dates (m/d/y)	Range	Exceedence?	Typical Source of Contaminant
Calcium	---	1	1	01/21/02	66	no	
Magnesium	---	1	1	01/21/02	29	no	
Potassium	---	1	1	01/21/02	6	no	

Questions & Answers

Q. What is an Accredited Laboratory?

QUARTERLY REPORT ON DRINKING WATER QUALITY

July - September 2001, Finch Water Plant - Serving the Village of Finch

			Results	(mg/L)			
Alachlor	IMAC=5	1	1	08/08/01	<0.5	no	
Aldicarb	9	1	1	08/08/01	<5.0	no	
Aldrin+Dieldrin	0.7	1	1	08/08/01	<0.07	no	
Atrazine	IMAC=5	1	1	08/08/01	<0.49	no	
Azinphos-methyl	20	1	1	08/08/01	<2.0	no	
Bendiocarb	40	1	1	08/08/01	<2.0	no	
Bromoxynil	IMAC=5	1	1	08/08/01	<0.5	no	
Carbaryl	90	1	1	08/08/01	<5.0	no	
Carbofuran	90	1	1	08/08/01	<5.0	no	
Chlordane	7	1	1	08/08/01	<0.7	no	
Chorpyrifus	90	1	1	08/08/01	<1.0	no	
Cyanazine	IMAC=10	1	1	08/08/01	<1.0	no	
Diaznon	20	1	1	08/08/01	<1.0	no	
Dicamba	120	1	1	08/08/01	<1.0	no	
2,4 Dichlorophenol	900	1	1	08/08/01	<0.5	no	
DDT + Metapolites	30	1	1	08/08/01	<3.0	no	
2,4 - Dichlorophenexy acid (2,4 -D)	IMAC=100	1	1	08/08/01	<1.0	no	
Diclofop-methyl	9	1	1	08/08/01	<0.9	no	
Dimethoate	IMAC=20	1	1	08/08/01	<2.5	no	
Dinoseb	10	1	1	08/08/01	<1.0	no	
Diquat	70	1	1	08/08/01	<7.0	no	
Diuron	150	1	1	08/08/01	<10.0	no	
Glyphosate	IMAC=280	1	1	08/08/01	<10.0	no	
Heprachlor + Heptachlor epoxide	3	1	1	08/08/01	<0.3	no	
Lindane	4	1	1	08/08/01	<0.4	no	
Malathion	190	1	1	08/08/01	<5.0	no	
Methoxychlor	900	1	1	08/08/01	<90.0	no	
Metolachlor	IMAC=50	1	1	08/08/01	<0.5	no	
Metribuzin	80	1	1	08/08/01	<5.0	no	
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Polychlorinated Biphenyls	IMAC=3	1	1	08/08/01	<0.3	no	
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Simazine	IMAC=10	1	1	08/08/01	<1.0	no	
Temephos	IMAC=280	1	1	08/08/01	<10	no	
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Trifluralin	45	1	1	08/08/01	<1.0	no	

Questions & Answers

A. Accredited labs must have undergone an on-site assessment and performance review of their methods by the Canadian Association of Environmental and Analytical Laboratories. The Standards Council of Canada grants accreditation to the lab based on the recommendation of the CAEAL. The accreditation requirements are repeated every two years.

Q. What had to be done to meet the new regulations?

A. The Finch Water Treatment Plant was following the Ontario Drinking Water Objectives (ODWO) before they became law, so little change was required to meet the new regulations. Our chlorine residual in the water leaving the plant was raised to slightly to achieve the (0.20 mg/L free chlorine) required level in the distribution system, and some changes were required in the way results are reported. This report to the public is also the result of the new regulations.

Q. What parameters did you test for?

A. Microbiological parameters, volatile organics, inorganics, pesticides and PCB's have been tested. The results are included in this report.

Q. Sometimes my water looks rusty or coloured. Why is that, and what should I do about it?

A. This is quite often caused when the tanks in older water heaters start to decay. If the colour is seen only in your hot water, this may be the problem. If the colour is also noticed in your cold water it could be coming from the water main. Various maintenance procedures in the distribution system - such as fire hydrant and valve maintenance, or main break repairs - require flushing of the water mains. Flushing can cause small particles of sediment to break off adding colour to the water. Please note that there is no health risk associated with this problem. This is usually only temporary, and opening your taps for a while to flush out your service line (the pipe from the water main to your house) should take care of the problem. Let the water run until the colour disappears.

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FINCH WATER REQUIRED SAMPLES

JULY, AUGUST, SEPTEMBER 2002

Chemical Parameters

			Date Samples Collected	Initials	Date Results Received	Initials
Table B & D		Treated				
NO2&NO3		Treated				
System THM		Treated				
Flouride	annual	Treated				
Sodium	annual	Treated				
B.O.D.		Backwash ✓	6/09			
S.S		Backwash ✓				
T.Phos		Backwash ✓				
ph		Backwash ✓				
E.Coli		Backwash ✓				
T.Coli		Backwash ✓				

Bacti Parameters

Raw			
Well#1or2	E.Coli	Total Coli.	Background
Treated			
	E.Coli	Total Coli.	HPC
System			
2 Sites	E.Coli	Total Coli.	HPC 25%

JULY 1	Bacti's	✓				
JULY 8	Bacti's	✓				
JULY 15	Bacti's	✓				
JULY 22	Bacti's	✓				
JULY 29	Bacti's	✓				
AUG. 5	Bacti's	✓				
AUG. 12	Bacti's	✓				
AUG. 19	Bacti's	✓				
AUG. 26	Bacti's	✓				
SEPT. 2	Bacti's	✓				
SEPT. 9	Bacti's	✓				
SEPT. 16	Bacti's	✓				
SEPT. 23	Bacti's	✓				
SEPT. 30	Bacti's	✓				

Flouride Treated Water (Annual)
Lead Distribution System (Annual)
Table C Treated Water (Jan. 2003)
Sodium Treated Water (Jan. 2007)

Caduceon Environmental Laboratories

Division of Caduceon Enterprises Inc.

Certificate of Analysis

Client:
ntario Clean Water Agency
5 Industrial Dr.
Chesterville, ON
K0C 1H0

Attention: **Dave Markell**

Report: **220006761**
Project: Finch WTP
Date Sampled: July 2, 2002
Date Received: July 3, 2002
Date Printed: July 05, 2002
Matrix: Drinking Water

Parameter	Unit	MDL	Sample Identification			
			Well - Raw	WTP Treated	Dist. Seniors	Dist. St. Bernard's
Total Chlorine	mg/L	0.05		2.30	0.90	2.00
Free Chlorine	mg/L	0.05		2.00	0.80	1.60
E. coli	/100mL	1	absent	absent	absent	absent
Heterotrophic Plate Count	/mL	2		2	50	
Background bacteria	/100mL	1	absent			
Total Coliforms	/100mL	1	absent	absent	absent	absent

Caduceon Environmental Laboratories
2378 Holly Lane, Ottawa, Ontario, K1V 7P1, Canada
Tel: (613)526-0123, Fax: (613)526-1244

Michael Ziebell, General Manager

Caduceon Environmental Laboratories

Division of Caduceon Enterprises Inc.

Certificate of Analysis

Client:
Ontario Clean Water Agency
5 Industrial Dr.
Chesterville, ON
K0C 1H0

Attention: **Dave Markell**

Report: **220007056**
Project: Finch WTP
Date Sampled: July 8, 2002
Date Received: July 9, 2002
Date Printed: July 11, 2002
Matrix: Drinking Water

Parameter	Unit	MDL	Sample Identification			
			Well - Raw	WTP Treated	Dist. Barb's	Dist. Water Tower
Total Chlorine	mg/L	0.05		2.30	1.20	2.10
Free Chlorine	mg/L	0.05		1.90	0.90	1.90
E. coli	/100mL	1	absent	absent	absent	absent
Heterotrophic Plate Count	/mL	2		absent	16	
Background bacteria	/100mL	1	absent			
Total Coliforms	/100mL	1	absent	absent	absent	absent

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Michael Ziebell, General Manager

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Division of Caduceon Enterprises Inc.

Certificate of Analysis

Client:
ntario Clean Water Agency
5 Industrial Dr.
Chesterville, ON
K0C 1H0

Attention: **Dave Markell**

Report: **220007322**
Project: Finch WTP
Date Sampled: July 15, 2002
Date Received: July 16, 2002
Date Printed: July 18, 2002
Matrix: Drinking Water

Parameter	Unit	MDL	Sample Identification			
			Well - Raw	WTP Treated	Dist. Fosters	Dist. Patsy's Diner
Total Chlorine	mg/L	0.05		2.10	1.30	1.40
Free Chlorine	mg/L	0.05		1.80	1.10	1.30
E. coli	/100mL	1	absent	absent	absent	absent
Heterotrophic Plate Count	/mL	2		absent	absent	
Background bacteria	/100mL	1	absent			
Total Coliforms	/100mL	1	absent	absent	absent	absent

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Michael Ziebell, General Manager

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Division of Caduceon Enterprises Inc.

Certificate of Analysis

Client:
Ontario Clean Water Agency
5 Industrial Dr.
Chesterville, ON
K0C 1H0

Attention: **Dave Markell**

Report: **220007574**
Project: Finch WTP
Date Sampled: July 22, 2002
Date Received: July 23, 2002
Date Printed: July 25, 2002
Matrix: Drinking Water

Parameter	Unit	MDL	Sample Identification			
			Well - Raw	WTP Treated	Dist. SPS #1	Dist. Magu Sonar
Total Chlorine	mg/L	0.05		2.30	1.00	1.60
Free Chlorine	mg/L	0.05		2.10	0.90	1.20
E. coli	/100mL	1	absent	absent	absent	absent
Heterotrophic Plate Count	/mL	2		absent	absent	
Background bacteria	/100mL	1	absent			
Total Coliforms	/100mL	1	absent	absent	absent	absent

Caduceon Environmental Laboratories
2378 Holly Lane, Ottawa, Ontario, K1V 7P1, Canada
Tel: (613)526-0123, Fax: (613)526-1244

For Michael Ziebell, General Manager

Caduceon Environmental Laboratories

Division of Caduceon Enterprises Inc.

Certificate of Analysis

Client:
Ontario Clean Water Agency
5 Industrial Dr.
Chesterville, ON
K0C 1H0

Attention: **Dave Markell**

Report: **220007875**
Project: Finch WTP
Date Sampled: July 30, 2002
Date Received: July 31, 2002
Date Printed: August 02, 2002
Matrix: Drinking Water

Parameter	Unit	MDL	Sample Identification			
			Well - Raw	WTP Treated	Dist. Barb's Diner	Dist. Senior Support Center
Total Chlorine	mg/L	0.05		2.50	1.80	2.20
Free Chlorine	mg/L	0.05		2.20	1.40	2.00
E. coli	/100mL	1	absent	absent	absent	absent
Heterotrophic Plate Count	/mL	2		absent	12	
Background bacteria	/100mL	1	absent			
Total Coliforms	/100mL	1	absent	absent	absent	absent

Caduceon Environmental Laboratories
2378 Holly Lane, Ottawa, Ontario, K1V 7P1, Canada
Tel: (613)526-0123, Fax: (613)526-1244

For Michael Ziebell, General Manager

Caduceon Environmental Laboratories

Division of Caduceon Enterprises Inc.

Certificate of Analysis

Client:
ntario Clean Water Agency
5 Industrial Dr.
Chesterville, ON
K0C 1H0

Attention: **Dave Markell**

Report: **220008068**
Project: Finch WTP
Date Sampled: August 6, 2002
Date Received: August 7, 2002
Date Printed: August 09, 2002
Matrix: Drinking Water

Parameter	Unit	MDL	Sample Identification			
			Well - Raw	WTP Treated	Dist. Water Tower	Dist. Barb's
Total Chlorine	mg/L	0.05		2.30	2.00	1.20
Free Chlorine	mg/L	0.05		2.00	1.80	1.10
E. coli	/100mL	1	absent	absent	absent	absent
Heterotrophic Plate Count	/mL	2		absent	4	
Background bacteria	/100mL	1	absent			
Total Coliforms	/100mL	1	absent	absent	absent	absent

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Certificate of Analysis

Client:
Ontario Clean Water Agency
5 Industrial Dr.
Chesterville, ON
K0C 1H0

Attention: **Dave Markell**

Report: **220008350**
Project: Finch WTP
Date Sampled: August 12, 2002
Date Received: August 13, 2002
Date Printed: August 15, 2002
Matrix: Drinking Water

Parameter	Unit	MDL	Sample Identification				
			Well Raw	WTP Treated	Dist. 3163 Rd #12	Dist. Senior Center	Well #2 Raw
Total Chlorine	mg/L	0.05		2.00	1.70	1.70	
Free Chlorine	mg/L	0.05		1.90	1.50	1.50	
E. coli	/100mL	1	absent	absent	absent	absent	absent
HPC	/mL	2		4	20		
Background bacteria	/100mL	1	absent				absent
Total Coliforms	/100mL	1	absent	absent	absent	absent	absent

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Division of Caduceon Enterprises Inc.

Certificate of Analysis

Client:
[illegible]ario Clean Water Agency
5 Industrial Dr.
Chesterville, ON
K0C 1H0

Attention: **Dave Markell**

Report: **220008620**
Project: Finch WTP
Date Sampled: August 19, 2002
Date Received: August 20, 2002
Date Printed: August 22, 2002
Matrix: Drinking Water

Parameter	Unit	MDL	Sample Identification			
			Well - Raw	WTP Treated	Dist. Smith Cartage	Dist. SPS #1
Total Chlorine	mg/L	0.05		2.30	1.90	1.00
Free Chlorine	mg/L	0.05		2.10	1.60	0.80
E. coli	/100mL	1	absent	absent	absent	absent
Heterotrophic Plate Count	/mL	2		absent	absent	
Background bacteria	/100mL	1	absent			
Total Coliforms	/100mL	1	absent	absent	absent	absent

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Certificate of Analysis

Client:
Ontario Clean Water Agency
Industrial Dr.
Chesterville, ON
K0C 1H0

Attention: **Dave Markell**

Report: 220008935
Project: Finch WTP
Date Sampled: August 26, 2002
Date Received: August 27, 2002
Date Printed: August 29, 2002
Matrix: Drinking Water

Parameter	Unit	MDL	Sample Identification			
			Well - Raw	WTP Treated	Dist. MacEwen's Gas Bar	Dist. Pump Station #1
Total Chlorine	mg/L	0.05		2.20	1.20	0.90
Free Chlorine	mg/L	0.05		2.00	1.00	0.80
E. coli	/100mL	1	absent	absent	absent	absent
Heterotrophic Plate Count	/mL	2		absent	12	
Background bacteria	/100mL	1	absent			
Total Coliforms	/100mL	1	absent	absent	absent	absent

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Tel: (613)526-0123, Fax: (613)526-1244

Michael Ziebell, General Manager

ACCUTEST LABORATORIES LTD.

REPORT OF ANALYSIS

Client: FINCH WELL SUPPLY

ATT: Mr. Blair Henderson

Report Number: 2210860
Date: 2002-08-19
Date Submitted: 2002-08-09

Project: Finch Wells

P.O. Number:
Matrix: Supply Water

		LAB ID:	198048				
		Sample Date:	2002-08-08				
		Sample ID:	FW-01				
PARAMETER	**UNITS**	**MDL**	TREATEDWATER				
N-NO2	mg/L	0.10	<0.10 ✓				
N-NO3	mg/L	0.10	0.11 ✓				

MDL = Method Detection Limit INC = Incomplete
Comment:

APPROVAL: _____

8-146 Colonnade Road, Ottawa, ON, K2E 7Y1

608 Norris Court, Kingston, ON, K7P 2R9

ACCUTEST LABORATORIES LTD.

REPORT OF ANALYSIS

Client: FINCH WELL SUPPLY

ATT: Mr. Blair Henderson

Report Number: 2210860
Date: 2002-08-19
Date Submitted: 2002-08-09

Project: Finch Wells

P.O. Number:
Matrix: Supply Water

		LAB ID:	198048				
		Sample Date:	2002-08-08				
		Sample ID:	FW-01				
PARAMETER	**UNITS**	**MDL**					
BTEX / 624 / PURGEABLE HYDROCARBONS							
Benzene	ug/L	0.5	<0.5				
Toluene	ug/L	0.5	<0.5				
Ethylbenzene	ug/L	0.5	<0.5				
m/p-xylene	ug/L	1.0	<1.0				
o-xylene	ug/L	0.5	<0.5				
Bromodichloromethane	ug/L	0.3	16.3				
Bromoform	ug/L	0.4	<0.4				
Carbon Tetrachloride	ug/L	0.9	<0.9				
Chlorobenzene	ug/L	0.2	<0.2				
Chloroform	ug/L	0.5	16.8				
Dibromochloromethane	ug/L	0.3	17.8				
1,2-dichlorobenzene	ug/L	0.4	<0.4				
1,4-dichlorobenzene	ug/L	0.4	<0.4				
1,2-dichloroethane	ug/L	0.7	<0.7				
1,1-dichloroethylene	ug/L	0.5	<0.5				
Dichloromethane	ug/L	4.0	<4.0				
Tetrachloroethylene	ug/L	0.3	<0.3				
Trichloroethylene	ug/L	0.3	<0.3				
Vinyl Chloride	ug/L	0.5	<0.5				
TOTALS							
Trihalomethanes (total)	ug/L	2.0	50.9				
Xylene; total	ug/L	2.0	<2.0				
BTEX / 624 Surrogate Recoveries							
Toluene-d8	%		97				
1,2-dichloroethane-d4	%		101				
4-bromofluorobenzene	%		101				

MDL = Method Detection Limit INC = Incomplete

Comment:

APPROVAL:

8-146 Colonnade Road, Ottawa, ON, K2E 7Y1

608 Norris Court, Kingston, ON, K7P 2R9

ACCUTEST LABORATORIES LTD.

REPORT OF ANALYSIS

Client: FINCH WELL SUPPLY

ATT: Mr. Blair Henderson

Report Number: 2210860
Date: 2002-08-29
Date Submitted: 2002-08-09

Project: Finch Wells

Sample Matrix: Supply Water

		LAB ID:	198048				
		Sample Date:	8/8/02				
		Sample ID:	FW-01				
PARAMETER	**UNITS**	**MDL**					
PESTICIDES & PCB's							
Alachlor	ug/L	0.5	<0.5				
Aldicarb	ug/L	5	<5				
Aldrin	ug/L	0.006	<0.006				
Aldrin + Dieldrin	ug/L	0.012	<0.012				
Atrazine	ug/L	0.5	<0.5				
Desethyl-atrazine	ug/L	0.5	<0.5				
Atrazine+Desethyl-atrazine	ug/L	1	<1				
Azinphos-methyl	ug/L	2	<2				
[illegible]diocarb	ug/L	2	<2				
[illegible]moxynil	ug/L	0.5	<0.5				
Carbaryl	ug/L	5	<5				
Carbofuran	ug/L	5	<5				
Chlordane (Total)	ug/L	0.012	<0.012				
a-Chlorodane	ug/L	0.006	<0.006				
g-Chlorodane	ug/L	0.006	<0.006				
Oxychlorodane	ug/L	0.006	<0.006				
Chloropyrifos	ug/L	1	<1				
Cyanazine	ug/L	1	<1				
Diazinon	ug/L	1	<1				
Dicamba	ug/L	1	<1				
Dieldrin	ug/L	0.006	<0.006				
Diquat	ug/L	7	<7				
2,4-Dichlorophenol	ug/L	0.5	<0.5				
DDT + Metabolites	ug/L	0.024	<0.024				
o,p'-DDT	ug/L	0.006	<0.006				
p,p'-DDT	ug/L	0.006	<0.006				
2,4-D	ug/L	1	<1				
p,p'-DDE	ug/L	0.006	<0.006				

NOTE: mg/L=1000xug/L

MDL = Method Detection Limit

Comment:

APPROVAL:

146 Colonnade Road, Unit 8, Nepean, Ontario K2E 7Y1 Tel:(613)727-5692 Fax:(613)727-5222

ACCUTEST LABORATORIES LTD.

REPORT OF ANALYSIS

Client: FINCH WELL SUPPLY

ATT: Mr. Blair Henderson

Report Number: 2210860
Date: 2002-08-29
Date Submitted: 2002-08-09

Project: Finch Wells

Sample Matrix: Supply Water

	LAB ID:	198048				
	Sample Date:	8/8/02				
	Sample ID:	FW-01				
PARAMETER	**UNITS**	**MDL**				
p,p'-DDD	ug/L	0.006	<0.006			
Diclofop-methyl	ug/L	0.9	<0.9			
Dimethoate	ug/L	2.5	<2.5			
Dinoseb	ug/L	1	<1			
Diuron	ug/L	10	<10			
Glyphosate	ug/L	10	<10			
Heptachlor	ug/L	0.006	<0.006			
Heptachlor epoxide	ug/L	0.006	<0.006			
Heptachlor + Hept. Epoxide	ug/L	0.012	<0.012			
[illegible]ane	ug/L	0.006	<0.006			
Malathion	ug/L	5	<5			
Methoxychlor	ug/L	0.024	<0.024			
Metolachlor	ug/L	0.5	<0.5			
Metribuzin	ug/L	5	<5			
Paraquat	ug/L	1	<1			
Parathion	ug/L	1	<1			
Pentachlorophenol	ug/L	0.5	<0.5			
Phorate	ug/L	0.5	<0.5			
Picloram	ug/L	5	<5			
PCB's (total)	ug/L	0.05	<0.05			
Prometryne	ug/L	0.25	<0.25			
Simazine	ug/L	1	<1			
Temephos	ug/L	10	<10			
Terbufos	ug/L	0.7	<0.7			
2,3,4,6-Tetrachlorophenol	ug/L	0.5	<0.5			
Triallate	ug/L	1	<1			
2,4,6-Trichlorophenol	ug/L	0.5	<0.5			
Trifluralin	ug/L	1	<1			
2,4,5-T	ug/L	1	<1			

NOTE: mg/L=1000xug/L

MDL = Method Detection Limit

Comment:

APPROVAL:

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ACCUTEST LABORATORIES LTD.

REPORT OF ANALYSIS

Client: FINCH WELL SUPPLY

ATT: Mr. Blair Henderson

Report Number: 2210856
Date: 2002-08-16
Date Submitted: 2002-08-09
Project:
P.O. Number:
Matrix: Supply Water

		LAB ID:	198044				
		Sample Date:	2002-08-08				
		Sample ID:	FW System				
PARAMETER	**UNITS**	**MDL**					
BTEX / 624 / PURGEABLE HYDROCARBONS							
Bromodichloromethane	ug/L	0.3	18.8				
Bromoform	ug/L	0.4	<0.4				
Chloroform	ug/L	0.5	19.3				
Dibromochloromethane	ug/L	0.3	21.7				
TOTALS							
Trihalomethanes (total)	ug/L	2.0	59.8 ✓				
BTEX / 624 Surrogate Recoveries							
[illegible]ene-d8	%		96				

MDL = Method Detection Limit INC = Incomplete
Comment:

APPROVAL:

8-146 Colonnade Road, Ottawa, ON, K2E 7Y1 608 Norris Court, Kingston, ON, K7P 2R9

Caduceon Environmental Laboratories

Division of Caduceon Enterprises Inc.

Certificate of Analysis

Client:
[redacted]tario Clean Water Agency
[redacted]ndustrial Dr.
Chesterville, ON
K0C 1H0

Attention: **Dave Markell**

Report: **220009261**
Project: Finch WTP
Date Sampled: September 3, 2002
Date Received: September 4, 2002
Date Printed: September 06, 2002
Matrix: Drinking Water

Parameter	Unit	MDL	Sample Identification			
			Raw Well	WTP Treated	Water Tower	Barb's
Total Chlorine	mg/L	0.05		2.10	1.70	1.40
Free Chlorine	mg/L	0.05		2.00	1.40	1.30
E. coli	/100mL	1	absent	absent	absent	absent
Heterotrophic Plate Count	/mL	2		absent	absent	
Background bacteria	/100mL	1	absent			
Total Coliforms	/100mL	1	absent	absent	absent	absent

Caduceon Environmental Laboratories
2378 Holly Lane, Ottawa, Ontario, K1V 7P1, Canada
Tel: (613)526-0123, Fax: (613)526-1244

Michael Ziebell, General Manager

Caduceon Environmental Laboratories

Division of Caduceon Enterprises Inc.

Certificate of Analysis

Client:
Ontario Clean Water Agency
Industrial Dr.
Chesterville, ON
K0C 1H0

Attention: **Dave Markell**

Report: **220009543**
Project: Finch WTP
Date Sampled: September 9, 2002
Date Received: September 10, 2002
Date Printed: September 12, 2002

Matrix: Drinking Water

Parameter	Unit	MDL	Sample Identification			
			Well Raw	WTP Treated	Dist. St. Bernard's	Dist. SPS #1
Total Chlorine	mg/L	0.05		2.20	1.70	0.80
Free Chlorine	mg/L	0.05		2.00	1.40	0.70
E. coli	/100mL	1	absent	absent	absent	absent
Heterotrophic Plate Count	/mL	2		absent	478	
Background bacteria	/100mL	1	absent			
Total Coliforms	/100mL	1	absent	absent	absent	absent

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Michael Ziebell, General Manager

Caduceon Environmental Laboratories

Division of Caduceon Enterprises Inc.

Certificate of Analysis

C'.ent:
[illegible]tario Clean Water Agency
[illegible]ndustrial Dr.
Chesterville, ON
K0C 1H0

Attention: **Dave Markell**

Report: **220009884**
Project: Finch WTP
Date Sampled: September 16, 2002
Date Received: September 17, 2002
Date Printed: September 19, 2002
Matrix: Drinking Water

Parameter	Unit	MDL	Sample Identification			
			Well - Raw	WTP Treated	Dist. Foster Acres House -20 Main	Dist. Barb's Diner
Total Chlorine	mg/L	0.05		2.20	2.19	1.49
Free Chlorine	mg/L	0.05		1.99	1.87	1.38
E. coli	/100mL	1	absent	absent	absent	absent
Heterotrophic Plate Count	/mL	2		absent	absent	
Background bacteria	/100mL	1	absent			
Total Coliforms	/100mL	1	absent	absent	absent	absent

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Michael Ziebell, General Manager

Caduceon Environmental Laboratories

Division of Caduceon Enterprises Inc.

Certificate of Analysis

Client:
Ontario Clean Water Agency
[redacted]ustrial Dr.
Chesterville, ON
K0C 1H0

Attention: **Dave Markell**

Report: **220010230**
Project: Finch WTP
Date Sampled: September 23, 2002
Date Received: September 24, 2002
Date Printed: September 26, 2002
Matrix: Drinking Water

Parameter	Unit	MDL	Sample Identification			
			Well - Raw	Well - Treated	Dist. Fire Hall	Dist. Smith Cartage
Total Chlorine	mg/L	0.05		2.10	2.00	1.70
Free Chlorine	mg/L	0.05		1.90	1.80	1.60
E. coli	/100mL	1	absent	absent	absent	absent
Heterotrophic Plate Count	/mL	2		absent	110	
Background bacteria	/100mL	1	absent			
Total Coliforms	/100mL	1	absent	absent	absent	absent

Caduceon Environmental Laboratories
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Michael Ziebell, General Manager

Caduceon Environmental Laboratories

Division of Caduceon Enterprises Inc.

Certificate of Analysis

Client:
Ontario Clean Water Agency
[redacted]ndustrial Dr.
Chesterville, ON
K0C 1H0

Attention: **Dave Markell**

Report: **220010460**
Project: Finch WTP
Date Sampled: September 30, 2002
Date Received: October 1, 2002
Date Printed: October 03, 2002

Matrix: Drinking Water

Parameter	Unit	MDL	Sample Identification			
			Well - Raw	WTP Treated	Dist. County Bldg	Dist. St. Bernards School
Total Chlorine	mg/L	0.05		1.90	1.70	1.80
Free Chlorine	mg/L	0.05		1.70	1.60	1.60
E. coli	/100mL	1	absent	absent	absent	absent
Heterotrophic Plate Count	/mL	2		8	2	
Background bacteria	/100mL	1	absent			
Total Coliforms	/100mL	1	absent	absent	absent	absent

Caduceon Environmental Laboratories
2378 Holly Lane, Ottawa, Ontario, K1V 7P1, Canada
Tel: (613)526-0123, Fax: (613)526-1244

Michael Ziebell, General Manager

ACCUTEST LABORATORIES LTD.

REPORT OF ANALYSIS

Client: OCWA Chesterville

ATT: Dave

Report Number: 2213036
Date: 2002-09-26
Date Submitted: 2002-09-20

Project:

P.O. Number:
Matrix: Water FILTER BACKWASH

			LAB ID:	206273	206274			
			Sample Date:	2002-09-19	2002-09-19			
			Sample ID:	FW-100	FW-200			
PARAMETER	**UNITS**	**MDL**						
BOD5	mg/L	1		41				
pH				8.38				
Total P	mg/L	0.01		0.69				
Total Suspended Solids	mg/L	2		102				
Background Colonies	ct/100 mL				>200			
Escherichia Coli	ct/100 mL				<10			
Total Coliforms	ct/100 mL				OG			

MDL = Method Detection Limit INC = Incomplete

Comment:

OG = Overgrown - The presence of a large number of bacteria interfered with the Total Coliform analysis.

APPROVAL:

QUARTERLY REPORT ON DRINKING WATER QUALITY

October - December 2002, Finch Water Plant - Serving the Village of Finch

Finch Drinking Water Quality

Ontario Drinking Water Protection Regulations

The Ontario Clean Water Agency, as the contract operator of the Finch Water Treatment Facility on behalf of the Township of North Stormont, is pleased to present the 2002 Fourth Quarter Report on drinking water quality. This report has been prepared in response to legislative changes brought about by "Operation Clean Water", an initiative of Ontario's Ministry of the Environment to ensure high quality drinking water for the residents of Ontario. The new regulations put into law what was formerly the Ontario Drinking Water Objectives (ODWO), and sets requirements for public waterworks with regard to sampling and testing, levels of treatment, licensing of staff, and notification of authorities and the public about water quality.

Further information on the Ontario Drinking Water Regulations can be found on the Ministry of the Environment web site at www.ene.gov.on.ca

Where to contact us for information

Ontario Clean Water Agency
Agence Ontarienne Des Eaux

Web site at www.ocwa.com

Client Services Representative:
John Kingsbury
Phone : (613) 774-3663
E-mail Address: jkingsbury@ocwa.com

Operations Manager:
Blair Henderson
Phone: (613) 448-3098
E-mail Address: bhenderson@ocwa.com

You may also contact the Township of North Stormont directly.
Rheal Charbonneau, Clerk - Treasurer
Phone: (613) 984-2821
E-mail Address: admin@townshipofnorthstormont.on.ca

Free copies of this report are available at the Township Office at 2 Victoria St., Berwick, or their website @ www.townshipofnorthstormont.on.ca

INSIDE THIS REPORT

QUARTERLY REPORT ON DRINKING WATER QUALITY

October - December 2002, Finch Water Plant - Serving the Village of Finch

Introduction

We are proud to report that for the period October to December 2002, your water conformed to the Ontario Drinking Water Standards as set out in Ontario Regulation 459/00. The Ontario Clean Water Agency (OCWA) is dedicated to maximizing public health and safety through efficient and reliable operation of your water facility and distribution system.

Plant Description and Treatment Processes

Facility Name:	Finch WTP & Distribution System
Total Design Capacity	778 cubic meters/day
Raw Water Source	Groundwater
Disinfection Method	Sodium Hypochlorite
Municipal Location	Municipal office, 2 Victoria Street, Berwick
Service Area	Village of Finch
Service Population	441

Operational Description:

Raw Water Source: Two drilled wells located at 20 William Street in the Village of Finch.

Low Lift Pumps: Two submersible well pumps, one duty and one standby, direct the water from the wells to a 9.5 L/second force draft aeration tower, where H2S is removed from the raw water. Water from the aeration tower is chemically injected with Sodium Hypochlorite for disinfection, prior to entry to the 20 cubic meter clear well.

High Lift Pumps: Two high lift pumps, one duty and one standby, move the chlorinated water from the clear well to the pressure filters.

Elevated Tank: The plant treated water, after filtration, is directed to the distribution grid and elevated storage tank with a capacity of 580 cubic meters.

Filters: Two 4 Litre/second dual media pressure filters, remove particles from the chlorinated water. Filter backwash treatment system consists of a 15 cubic meter surge tank, with a 1.4 cubic meter settling tank and an 18 cubic meter sludge holding tank.

Distribution System:There are approximately 441 persons supplied with water from the Finch Water Treatment Plant.

QUARTERLY REPORT ON DRINKING WATER QUALITY

October - December 2002, Finch Water Plant - Serving the Village of Finch

Quality Control & Compliance With Provincial Regulations

This plant provides multiple barriers against bacteriological contamination. Bacteriological testing is carried out on raw water, treated water and distribution samples on a regular frequency. On-line analysers for chlorine residuals and turbidity ensure daily monitoring of water leaving the plant. Chlorine levels in the distribution system are also checked on a regular basis. More specialized testing occurs monthly and quarterly and includes Volatile Organics, Inorganics, Pesticides and PCB's.

OCWA uses internal compliance auditing techniques by teams from within the organization. OCWA operates the Finch Water Treatment Facility in accordance with provincial regulations. Here is how we do it:

- Use of Accredited Labs. Analytical tests to monitor your water quality are conducted by a laboratory audited by the Canadian Association for Environmental Analytical Laboratories (CAEAL) and accredited by the Standards Council of Canada (SCC). Accreditation ensures that the laboratory has acceptable laboratory protocols and test methods in place. It also requires the laboratory to provide evidence and assurances of the proficiency of the analysts performing the test methods.

- Operation by Licensed Operators. Your water treatment plant is operated and maintained by the Ontario Clean Water Agency's competent and licensed staff. The mandatory licensing program for operators of drinking water facilities is regulated under the *Ontario Water Resources Act (OWRA)* Regulation 435/93. Licensing means that an individual meets the education and experience requirements and has successfully passed the certificate exam.

- Sampling and Analytical requirements. OCWA follows a sampling and analysis schedule required by *OWRA* Regulation 459/00, the Ontario Drinking Water Standards. More information on sampling and analysis including results are available in this report and from your municipal office.

- Adherence to Ministry Guidelines and Procedures. To ensure the protection of the health and operational excellence, the OCWA adheres to the guidelines and procedures developed by the Ministry of the Environment and the Ministry of Health.

Annual Compliance Report

The Annual Compliance Report covers the period from January 1, 2002 to December 31, 2002. Copies of the report will be made available for inspection by any member of the public during normal business hours without charge at the Township Office. The Annual Compliance Rport for 2002 will be completed and made available not later than March 31, 2003.

The Compliance Report will include, at a minimum, the following:

- A statement as to compliance with all of the terms and conditions of the certificate and a detailed description of all of the measures taken to ensure compliance with the certificate, including and supporting data or other information;
- In the event of any non-compliance during the reporting period, details of the non-compliance as well as details of how and when any non-compliance was corrected;
- A summary and discussion of the quantity of water supplied during the reporting period compared to the rated capacity specified in the Certificate of Approval, including monthly average and maximum daily flows;
- A summary of records related to flow rate excedences, and a summary of analytical results of sampling required by the certificate, including raw water and in-process parameters as specified in the operations manual in accordance with the Certificate of Approval;
- A summary listing treatment chemicals used, including average dosage rates with special reference to any abnormal usages

Did We Exceed the Standards?

With respect to Operational Parameters, between October 23 and November 1, 2002, the pressure filters that service the Finch water treatment plant were being removed and replaced with new ones. As a result, turbidity exceeded 1.0 NTU for this time frame. The Ministry of Environment and the Ministry of Health were immediately notified as per Regulation 459.

Definitions & Terms

m^3 - Cubic Meter, 1 m^3 = 1000 litres
TCU - True Colour Units
$CaCO_3$ - Calcium Carbonate
mg - milligram
mg/L - milligrams per litre.
ug/L - micrograms per litre.
ng/L - nanograms per litre.
NTU - Nephelometric Turbidity Units.
MAC - Maximum Acceptable Concentration
IMAC - Interim Maximum Acceptable Concentration

Coliform Bacteria - a group of commonly occurring rod shaped bacteria. Their presence in a water sample is indicative of inadequate filtration and/or disinfection.
Fecal Coliform Bacteria - refers to a subgroup of coliform bacteria present in the digestive system of warm blooded animals and humans
Background Count - a method of measuring bacterial content in water samples
Heterotrophic Plate Count - a method of measuring bacterial content in water samples. Also known as Standard Plate Count.
Organic Parameter - a group of chemical compounds containing carbon
Inorganic Parameter - a group of chemical compounds not containing carbon
Raw Water - Surface or ground water available as a source of drinking water that has not received any treatment.

Required Testing

The Ontario Drinking Water Regulations and Certificates of Approval (C of A) set sampling requirements for the plant. All other sampling conforms to the Drinking Water Protection Regulation schedule for sampling and analysis. As water travels over the surface of the land or through the ground, it dissolves naturally occurring minerals and, in some cases can pick up substances resulting from the presence of animals or from human activity. Your water is extensively tested for the presence of dozens of compounds. The results of all analytical tests are available at your municipal office. The following table lists all compounds analyzed.

QUARTERLY REPORT ON DRINKING WATER QUALITY

October - December 2002, Finch Water Plant - Serving the Village of Finch

Finch Water Quality Test Results

Microbiological Parameters	MAC or IMAC	# of Samples	# of Detectable Results	Sampling Dates	Range	Exceedence?	Typical Source of Contaminant
Total Coliform,Raw (CFU/100mL)	n/a	13	0	10/07 - 12/30 weekly	n/a	n/a	Indicate possible presence of fecal matter
E. Coli, Raw (CFU/100 mL)	n/a	13	0	10/07 - 12/30 weekly	n/a	n/a	Definite indicator of fecal contamination
Background Count, Raw (CFU/100 mL)	n/a	13	8	10/07 - 12/30 weekly	3-98	n/a	Indicator of adverse water quality
Total Coliform, Treated (CFU/100mL)	0	13	0	10/07 - 12/30 weekly	n/a	no	Indicate possible presence of fecal matter
E. coli, Treated (CFU/100 mL)	0	13	0	10/07 - 12/30 weekly	n/a	no	Definite indicator of fecal contamination
Hetrotrophic Plate Count, Treated (CFU/1 mL)	500	13	2	10/07 - 12/30 weekly	2-60	no	Indicator of adverse water quality
Total Coliform, Dist. (CFU/100mL)	0	26	0	10/07 - 12/30 weekly	n/a	no	Indicate possible presence of fecal matter
E. Coli, Dist. (CFU/100 mL)	0	26	0	10/07 - 12/30 weekly	n/a	no	Definite indicator of fecal contamination
Hetrotrophic Plate Count, Dist. (CFU/1 mL)	500	13	1	10/07 - 12/30 weekly	4	no	Indicator of adverse water quality

Parameters related to Microbiological Quality	MAC or IMAC	# of Samples	# of Detectable Results	Sampling Dates (m/d)	Range	Exceedence	Typical Source of Contaminant
Turbidity (NTU)	1	Continuous	Continuous	10/01-12/31	0.11-2.43	yes	Turbidity is a measure of particles in water
Free Chlorine – Plant Effluent (mg/l)	-	Continuous	Continuous	10/01-12/31	1.0-2.35	no	Chlorine added for Disinfection
Free Chlorine-Distribution (mg/l min 0.05 & max. 4.0)	-	Grab Sample weekly	weekly	10/07-12/30	0.70-1.99	no	Objective is 0.20 mg/l in the Distribution System (min. 0.05 mg/l required)

Comments: MAC/IMAC values do not apply to Raw Water results. MOE recommend a level of at least 0.2 mg/l free chlorine residual in system to maintain microbiological quality in system. Adverse water quality occurs when the free chlorine residual is less than 0.05mg/l.

Inorganic Parameters (ug/l)	MAC or IMAC	# of Samples	# of Detectable Results	Sampling Dates (m/d/y)	Range	Exceedence	Typical Source of Contaminant
Lead - Distribution (ug/l)	0.01	1	1	01/21/02	0.001	no	Leached from lead solder or brass plumbing fixtures
Nitrate	10	1	1	10/15/02	<0.10	no	Natural component of water
Nitrite	1	1	1	10/15/02	<0.10	no	
Arsenic	IMAC= 0.025	1	1	09/18/00	<0.001	no	
Barium	1	1	1	09/18/00	0.43	no	
Boron	IMAC= 5.0	1	1	09/18/00	0.17	no	
Cadmium	0.005	1	1	09/18/00	<0.0001	no	
Chromium (Total)	0.05	1	1	09/18/00	<0.01	no	
Copper	1	1	1	09/18/00	0.013	no	
Iron	0.3	1	1	09/18/00	<0.01	no	
Lead	0.01	1	1	09/18/00	<0.001	no	
Manganese	0.05	1	1	09/18/00	<0.01	no	
Mercury	0.001	1	1	09/18/00	<0.0001	no	
Selenium	0.01	1	1	09/18/00	<0.001	no	

QUARTERLY REPORT ON DRINKING WATER QUALITY

October - December 2002, Finch Water Plant - Serving the Village of Finch

Inorganic Parameters (cont'd)(mg/l)	MAC or IMAC	# of Samples	# of Detectable Results	Sampling Dates (m/d/y)	Range	Exceedence	Typical Source of Contaminant
Uranium	0.1	1	1	09/18/00	<0.001	no	
Sodium (System)	200	2	2	01/21/02-02/13/02	82-77	no	
Fluoride	2.4	1	1	01/21/02	0.47	no	

Volatile Organics (ug/l)	MAC or IMAC	# of Samples	# of Detectable Results	Sampling Dates (m/d/y)	Range	Exceedence	Typical Source of Contaminant
Trihalomethanes - Plant	100	1	1	10/15/02	75.4	no	
Trihalomethanes - Dist.	100	1	1	10/15/02	91.7	no	
Benzene	5	1	1	10/15/02	<0.5	no	
Carbon Tetrachloride	5	1	1	10/15/02	<0.9	no	
Dichloromethane	50	1	1	10/15/02	<4.0	no	
1,2 - Dichlorobenzene	200	1	1	10/15/02	<0.4	no	
1, 4 - Dichlorobenzene	5	1	1	10/15/02	<0.4	no	
1,2 - Dichloroethane	IMAC=5	1	1	10/15/02	<0.7	no	
1,1 - Dichloroethylene	14	1	1	10/15/02	<0.5	no	
Ethylbenzene	24	1	1	10/15/02	<0.5	no	
Monochlorobenzene	80	1	1	10/15/02	<0.2	no	
Tetrachloroethylene	30	1	1	10/15/02	<0.3	no	
Toluene	24	1	1	10/15/02	<0.5	no	
Trichloroethlyene	50	1	1	10/15/02	<0.3	no	
Vinyl chloride	2	1	1	10/15/02	<0.5	no	
Xylene	300	1	1	10/15/02	<2	no	
Bromodichloromethane	n/a	1	1	10/15/02	23.8	no	
Bromoform	n/a	1	1	10/15/02	4.1	no	
Chloroform	n/a	1	1	10/15/02	23.3	no	
Dibromochloromethane	n/a	1	1	10/15/02	24.2	no	

Pesticides & PCB (ug/L)	MAC or IMAC	# of Samples	# of Detectable Results	Sampling Dates (m/d/y)	Range	Exceedence	Typical Source of Contaminant
Alachlor	IMAC=5	1	1	10/15/02	<0.5	no	
Aldicarb	9	1	1	10/15/02	<5.0	no	
Aldrin+Dieldrin	0.7	1	1	10/15/02	<0.012	no	
Atrazine	IMAC=5	1	1	10/15/02	<0.5	no	
Azinphos-methyl	20	1	1	10/15/02	<2.0	no	
Bendiocarb	40	1	1	10/15/02	<2.0	no	
Bromoxynil	IMAC=5	1	1	10/15/02	<0.5	no	
Carbaryl	90	1	1	10/15/02	<5.0	no	
Carbofuran	90	1	1	10/15/02	<5.0	no	
Chlordane	7	1	1	10/15/02	<0.012	no	
Chorpyrifus	90	1	1	10/15/02	<1.0	no	
Cyanazine	IMAC=10	1	1	10/15/02	<1.0	no	
Diaznon	20	1	1	10/15/02	<1.0	no	

QUARTERLY REPORT ON DRINKING WATER QUALITY

October - December 2002, Finch Water Plant - Serving the Village of Finch

Pesticides & PCB (cont'd) (ug/L)	MAC or IMAC	# of Samples	# of Detectable Results	Sampling Dates (m/d/y)	Range	Exceedence	Typical Source of Contaminant
Dicamba	120	1	1	10/15/02	<1.0	no	
2,4 Dichlorophenol	900	1	1	10/15/02	<0.5	no	
DDT + Metabolites	30	1	1	10/15/02	<0.024	no	
2,4 - Dichlorophenexy acid (2,4 -D)	IMAC=100	1	1	10/15/02	<1.0	no	
Diclofop-methyl	9	1	1	10/15/02	<0.9	no	
Dimethoate	IMAC=20	1	1	10/15/02	<2.5	no	
Dinoseb	10	1	1	10/15/02	<1.0	no	
Diquat	70	1	1	10/15/02	<7.0	no	
Diuron	150	1	1	10/15/02	<10.0	no	
Glyphosate	IMAC=280	1	1	10/15/02	<10.0	no	
Heprachlor + Heptachlor epoxide	3	1	1	10/15/02	<0.012	no	
Lindane	4	1	1	10/15/02	<0.006	no	
Malathion	190	1	1	10/15/02	<5.0	no	
Methoxychlor	900	1	1	10/15/02	<0.024	no	
Metolachlor	IMAC=50	1	1	10/15/02	<0.5	no	
Metribuzin	80	1	1	10/15/02	<5.0	no	
Paraquat	IMAC=10	1	1	10/15/02	<1.0	no	
Parathion	50	1	1	10/15/02	<1.0	no	
Pentachlorophenol	60	1	1	10/15/02	<0.5	no	
Phorate	IMAC=2	1	1	10/15/02	<0.5	no	
Picloram	IMAC=190	1	1	10/15/02	<5.0	no	
Polychlorinated Biphenyls	IMAC=3	1	1	10/15/02	<0.05	no	
Prometryne	IMAC=1	1	1	10/15/02	<0.25	no	
Simazine	IMAC=10	1	1	10/15/02	<1.0	no	
Temephos	IMAC=280	1	1	10/15/02	<10	no	
Terbufos	IMAC=1	1	1	10/15/02	<0.7	no	
2,3,4,6 Tetrachlorophenol	100	1	1	10/15/02	<0.5	no	
Triallate	230	1	1	10/15/02	<1.0	no	
2,4,6-Trichlorophenol	5	1	1	10/15/02	<0.5	no	
2,4,5 - trichlorophenoxy acedic acid	IMAC=280	1	1	10/15/02	<1.0	no	
Trifluralin	45	1	1	10/15/02	<1.0	no	

Additional Parameters Non-Health Related (mg/L)	AO or OG	# of Samples	# of Detectable Results	Sampling Dates (m/d/y)	Range	Exceedence?	Typical Source of Contaminant
Calcium	---	1	1	01/21/02	66	no	
Magnesium	---	1	1	01/21/02	29	no	
Potassium	---	1	1	01/21/02	6	no	

Questions & Answers

Q. *What is an Accredited Laboratory?*

A. Accredited labs must have undergone an on-site assessment and performance review of their methods by the Canadian Association of Environmental and Analytical Laboratories. The Standards Council of Canada grants accreditation to the lab based on the recommendation of the CAEAL. The accreditation requirements are repeated every two years.

Q. *What had to be done to meet the new regulations?*

A. The Finch Water Treatment Plant was following the Ontario Drinking Water Objectives (ODWO) before they became law, so little change was required to meet the new regulations. Our chlorine residual in the water leaving the plant was raised to slightly to achieve the (0.20 mg/L free chlorine) required level in the distribution system, and some changes were required in the way results are reported. This report to the public is also the result of the new regulations.

Q. *What parameters did you test for?*

A. Microbiological parameters, volatile organic, inorganic and pesticides & PCBs have been tested. The results are included in this report.

Q. *Sometimes my water looks rusty or coloured. Why is that, and what should I do about it?*

A. This is quite often caused when the tanks in older water heaters start to decay. If the colour is seen only in your hot water, this may be the problem. If the colour is also noticed in your cold water it could be coming from the water main. Various maintenance procedures in the distribution system - such as fire hydrant and valve maintenance, or main break repairs - require flushing of the water mains. Flushing can cause small particles of sediment to break off adding colour to the water. Please note that there is no health risk associated with this problem. This is usually only temporary, and opening your taps for a while to flush out your service line (the pipe from the water main to your house) should take care of the problem. Let the water run until the colour disappears.

FINCH WATER REQUIRED SAMPLES

OCTOBER,NOVEMBER,DECEMBER 2002

Chemical Parameters

			Date Samples Collected	Initials	Date Results Received	Initials
Table B & D		Treated ✓				
NO2&NO3		Treated ✓				
System THM		Treated ✓				
Flouride	annual	Treated ✓				
Sodium	annual	Treated ✓				
B.O.D.		Backwash ✓				
S.S		Backwash ✓				
T.Phos		Backwash ✓				
ph		Backwash ✓				
E.Coli		Backwash ✓				
T.Coli		Backwash ✓				

Bacti Parameters

Raw			
Well#1or2	E.Coli	Total Coli.	Background
Treated			
	E.Coli	Total Coli.	HPC
System			
2 Sites	E.Coli	Total Coli.	HPC 25%

Oct.6	Bacti's	✓				
Oct.13	Bacti's	✓				
Oct.20	Bacti's	✓				
Oct.27	Bacti's	✓				
Nov.3	Bacti's					
Nov.10	Bacti's					
Nov.17	Bacti's					
Nov.24	Bacti's					
Dec.1	Bacti's					
Dec.8	Bacti's					
Dec.15	Bacti's					
Dec.22	Bacti's					
Dec.29	Bacti's					

Flouride Treated Water (Annual) ✓
Lead Distribution System (Annual) ✓
Table C Treated Water (Jan. 2003)
Sodium Treated Water (Jan. 2007)

Caduceon Environmental Laboratories

Division of Caduceon Enterprises Inc.

Certificate of Analysis

Client:
Ontario Clean Water Agency
[illegible] Industrial Dr.
Chesterville, ON
K0C 1H0

Attention: **Dave Markell**

Report: **220010887**
Project: Finch WTP
Date Sampled: October 7, 2002
Date Received: October 8, 2002
Date Printed: October 10, 2002
Matrix: Drinking Water

Parameter	Unit	MDL	Sample Identification			
			Well Raw	WTP Treated	MacEwen's Gas Bar	62 Main St.
Total Chlorine	mg/L	0.05		2.00	1.60	0.80
Free Chlorine	mg/L	0.05		1.80	1.40	0.70
E. coli	/100mL	1	absent	absent	absent	absent
Heterotrophic Plate Count	/mL	2		absent	absent	
Background bacteria	/100mL	1	absent			
Total Coliforms	/100mL	1	absent	absent	absent	absent

Caduceon Environmental Laboratories
2378 Holly Lane, Ottawa, Ontario, K1V 7P1, Canada
Tel: (613)526-0123, Fax: (613)526-1244

Michael Ziebell, General Manager

Caduceon Environmental Laboratories

Division of Caduceon Enterprises Inc.

Certificate of Analysis

Client:
Ontario Clean Water Agency
Industrial Dr.
Chesterville, ON
K0C 1H0

Attention: **Dave Markell**

Report: **220011202**
Project: Finch WTP
Date Sampled: October 15, 2002
Date Received: October 16, 2002
Date Printed: October 18, 2002
Matrix: Drinking Water

Parameter	Unit	MDL	Sample Identification			
			Well - Raw	WTP Treated	Dist. Senior's Residence	Dist. SPS #1
Total Chlorine	mg/L	0.05		2.00	1.60	1.10
Free Chlorine	mg/L	0.05		1.90	1.40	0.90
E. coli	/100mL	1	absent	absent	absent	absent
Heterotrophic Plate Count	/mL	2		absent	absent	
Background bacteria	/100mL	1	absent			
Total Coliforms	/100mL	1	absent	absent	absent	absent

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Michael Ziebell, General Manager

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Division of Caduceon Enterprises Inc.

Certificate of Analysis

Client:
Ontario Clean Water Agency
[redacted]ndustrial Dr.
Chesterville, ON
K0C 1H0

Attention: **Dave Markell**

Report: **220011480**
Project: Finch WTP
Date Sampled: October 21, 2002
Date Received: October 22, 2002
Date Printed: October 24, 2002
Matrix: Drinking Water

Parameter	Unit	MDL	Sample Identification			
			Well - Raw	WTP Treated	Dist. St. Bernards School	Dist. MAQ Sonar
Total Chlorine	mg/L	0.05		2.20	1.50	1.40
Free Chlorine	mg/L	0.05		2.00	1.30	1.20
E. coli	/100mL	1	absent	absent	absent	absent
Heterotrophic Plate Count	/mL	2		absent	absent	
Background bacteria	/100mL	1	absent			
Total Coliforms	/100mL	1	absent	absent	absent	absent

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Michael Ziebell, General Manager

Caduceon Environmental Laboratories

Division of Caduceon Enterprises Inc.

Certificate of Analysis

Client:
Ontario Clean Water Agency
Industrial Dr.
Chesterville, ON
K0C 1H0

Attention: **Dave Markell**

Report: **220011846**
Project: Finch WTP
Date Sampled: October 28, 2002
Date Received: October 29, 2002
Date Printed: October 31, 2002
Matrix: Drinking Water

Parameter	Unit	MDL	Sample Identification			
			Well - Raw	WTP Treated	Dist. Smith Cartage	Dist. Senior's Res
Total Chlorine	mg/L	0.05		2.70	2.10	2.00
Free Chlorine	mg/L	0.05		2.40	1.90	1.80
E. coli	/100mL	1	absent	absent	absent	absent
Heterotrophic Plate Count	/mL	2		absent	absent	
Background bacteria	/100mL	1	absent			
Total Coliforms	/100mL	1	absent	absent	absent	absent

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Michael Ziebell, General Manager

Caduceon Environmental Laboratories

Division of Caduceon Enterprises Inc.

Certificate of Analysis

Client:
Ontario Clean Water Agency
[redacted] Industrial Dr.
Chesterville, ON
K0C 1H0

Attention: **Dave Markell**

Report: **220012030**
Project: Finch WTP
Date Sampled: October 30, 2002
Date Received: October 31, 2002
Date Printed: November 04, 2002
Matrix: Drinking Water

Parameter	Unit	MDL	Sample Identification	
			Finch Filter A Contents	**Finch Filter B Contents**
Total Chlorine	mg/L	0.05	2.50	2.50
Free Chlorine	mg/L	0.05	2.20	2.20
E. coli	/100mL	1	absent	absent
Heterotrophic Plate Count	/mL	2	absent	absent
Background bacteria	/100mL	1	absent	absent
Total Coliforms	/100mL	1	absent	absent

Caduceon Environmental Laboratories
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Fun

Michael Ziebell, General Manager

ACCUTEST LABORATORIES LTD.

REPORT OF ANALYSIS

Client: FINCH WELL SUPPLY

ATT: Mr. Blair Henderson

Report Number: 2214337
Date: 2002-10-21
Date Submitted: 2002-10-16

Project: Finch Quarterly Chemicals

P.O. Number:
Matrix: Supply Water

			LAB ID:				
			Sample Date:				
			Sample ID:				
PARAMETER	**UNITS**	**MDL**					
BTEX / 624 / PURGEABLE HYDROCARBONS							
Benzene	ug/L	0.5	<0.5 ✓				
Toluene	ug/L	0.5	<0.5 ✓				
Ethylbenzene	ug/L	0.5	<0.5 ✓				
m/p-xylene	ug/L	1.0	<1.0				
o-xylene	ug/L	0.5	<0.5				
Bromodichloromethane	ug/L	0.3	23.8 ✓				
Bromoform	ug/L	0.4	4.1 ✓				
Carbon Tetrachloride	ug/L	0.9	<0.9 ✓				
Monochlorobenzene	ug/L	0.2	<0.2 ✓				
Chloroform	ug/L	0.5	23.3 ✓				
Dibromochloromethane	ug/L	0.3	24.2 ✓				
1,2-dichlorobenzene	ug/L	0.4	<0.4 ✓				
1,4-dichlorobenzene	ug/L	0.4	<0.4 ✓				
1,2-dichloroethane	ug/L	0.7	<0.7 ✓				
1,1-dichloroethylene	ug/L	0.5	<0.5 ✓				
Dichloromethane	ug/L	4.0	<4.0 ✓				
Tetrachloroethylene	ug/L	0.3	<0.3 ✓				
Trichloroethylene	ug/L	0.3	<0.3 ✓				
Vinyl Chloride	ug/L	0.5	<0.5 ✓				
TOTALS							
Trihalomethanes (total)	ug/L	2.0	75.4 ✓				
Xylene; total	ug/L	2.0	<2.0 ✓				
BTEX / 624 Surrogate Recoveries							
Toluene-d8	%		97				
1,2-dichloroethane-d4	%		99				
4-bromofluorobenzene	%		100				

MDL = Method Detection Limit INC = Incomplete
Comment:

APPROVAL: MW

8-146 Colonnade Road, Ottawa, ON, K2E 7Y1

608 Norris Court, Kingston, ON, K7P 2R9

ACCUTEST LABORATORIES LTD.

REPORT OF ANALYSIS

Client: FINCH WELL SUPPLY

ATT: Mr. Blair Henderson

Report Number: 2214337
Date: 2002-10-22
Date Submitted: 2002-10-16

Project: Finch Quarterly Chemicals

P.O. Number:
Matrix: Supply Water

		LAB ID:	210870			
		Sample Date:	2002-10-15			
		Sample ID:	FW-01			
PARAMETER	**UNITS**	**MDL**	TREATEDWATER			
N-NO2	mg/L	0.10	<0.10 ✓			
N-NO3	mg/L	0.10	<0.10 ✓			

MDL = Method Detection Limit INC = Incomplete
Comment:

APPROVAL: _____

ACCUTEST LABORATORIES LTD.

REPORT OF ANALYSIS

Client: FINCH WELL SUPPLY

ATT: Mr. Blair Henderson

Report Number: 2214337
Date: 2002-10-31
Date Submitted: 2002-10-16

Project: Finch Quarterly Chemicals
Sample Matrix: Supply Water

		LAB ID:	210870				
		Sample Date:	2002-10-15				
		Sample ID:	FW-01				
PARAMETER	**UNITS**	**MDL**					
PESTICIDES & PCB's							
Alachlor	ug/L	0.5	<0.5				
Aldicarb	ug/L	5	<5				
Aldrin	ug/L	0.006	<0.006				
Aldrin + Dieldrin	ug/L	0.012	<0.012				
Atrazine	ug/L	0.5	<0.5				
Desethyl-atrazine	ug/L	0.5	<0.5				
Atrazine+Desethyl-atrazine	ug/L	1	<1				
Azinphos-methyl	ug/L	2	<2				
Bendiocarb	ug/L	2	<2				
moxynil	ug/L	0.5	<0.5				
rbaryl	ug/L	5	<5				
Carbofuran	ug/L	5	<5				
Chlordane (Total)	ug/L	0.012	<0.012				
a-Chlorodane	ug/L	0.006	<0.006				
g-Chlorodane	ug/L	0.006	<0.006				
Oxychlorodane	ug/L	0.006	<0.006				
Chloropyrifos	ug/L	1	<1				
Cyanazine	ug/L	1	<1				
Diazinon	ug/L	1	<1				
Dicamba	ug/L	1	<1				
Dieldrin	ug/L	0.006	<0.006				
Diquat	ug/L	7	<7				
2,4-Dichlorophenol	ug/L	0.5	<0.5				
DDT + Metabolites	ug/L	0.024	<0.024				
o,p'-DDT	ug/L	0.006	<0.006				
p,p'-DDT	ug/L	0.006	<0.006				
2,4-D	ug/L	1	<1				
p,p'-DDE	ug/L	0.006	<0.006				

NOTE: mg/L (ppm)=1000xug/L (ppb) MDL = Method Detection Limit

Comment:

APPROVAL:

146 Colonnade Road, Unit 8, Nepean, Ontario K2E 7Y1 Tel:(613)727-5692 Fax:(613)727-5222

ACCUTEST LABORATORIES LTD.

REPORT OF ANALYSIS

Client: FINCH WELL SUPPLY

ATT: Mr. Blair Henderson

Report Number: 2214337
Date: 2002-10-31
Date Submitted: 2002-10-16

Project: Finch Quarterly Chemicals
Sample Matrix: Supply Water

	LAB ID:				
	Sample Date:	210870			
	Sample ID:	2002-10-15			
		FW-01			

PARAMETER	UNITS	MDL				
p,p'-DDD	ug/L	0.006	<0.006			
Diclofop-methyl	ug/L	0.9	<0.9			
Dimethoate	ug/L	2.5	<2.5			
Dinoseb	ug/L	1	<1			
Diuron	ug/L	10	<10			
Glyphosate	ug/L	10	<10			
Heptachlor	ug/L	0.006	<0.006			
Heptachlor epoxide	ug/L	0.006	<0.006			
Heptachlor + Hept. Epoxide	ug/L	0.012	<0.012			
Lindane	ug/L	0.006	<0.006			
[illegible]athion	ug/L	5	<5			
Methoxychlor	ug/L	0.024	<0.024			
Metolachlor	ug/L	0.5	<0.5			
Metribuzin	ug/L	5	<5			
Paraquat	ug/L	1	<1			
Parathion	ug/L	1	<1			
Pentachlorophenol	ug/L	0.5	<0.5			
Phorate	ug/L	0.5	<0.5			
Picloram	ug/L	5	<5			
PCB's (total)	ug/L	0.05	<0.05			
Prometryne	ug/L	0.25	<0.25			
Simazine	ug/L	1	<1			
Temephos	ug/L	10	<10			
Terbufos	ug/L	0.7	<0.7			
2,3,4,6-Tetrachlorophenol	ug/L	0.5	<0.5			
Triallate	ug/L	1	<1			
2,4,6-Trichlorophenol	ug/L	0.5	<0.5			
Trifluralin	ug/L	1	<1			
2,4,5-T	ug/L	1	<1			

NOTE: mg/L (ppm)=1000xug/L (ppb) MDL = Method Detection Limit

Comment:

APPROVAL: _____

146 Colonnade Road, Unit 8, Nepean, Ontario K2E 7Y1 Tel:(613)727-5692 Fax:(613)727-5222

ACCUTEST LABORATORIES LTD.

REPORT OF ANALYSIS

Client: FINCH WELL SUPPLY

ATT: Mr. Blair Henderson

Report Number: 2214338
Date: 2002-10-21
Date Submitted: 2002-10-16

Project: Finch Quarterly Chemicals

P.O. Number:
Matrix: Supply Water

		LAB ID:	210871				
		Sample Date:	2002-10-15				
		Sample ID:	FW-100 FW-System				
PARAMETER	**UNITS**	**MDL**					
BTEX / 624 / PURGEABLE HYDROCARBONS							
Bromodichloromethane	ug/L	0.3	27.5				
Bromoform	ug/L	0.4	4.6				
Chloroform	ug/L	0.5	30.9				
Dibromochloromethane	ug/L	0.3	28.7				
TOTALS							
Trihalomethanes (total)	ug/L	2.0	91.7				
BTEX / 624 Surrogate Recoveries							
Toluene-d8	%		97				

MDL = Method Detection Limit INC = Incomplete
Comment:

APPROVAL:

8-146 Colonnade Road, Ottawa, ON, K2E 7Y1 608 Norris Court, Kingston, ON, K7P 2R9

Caduceon Environmental Laboratories

Division of Caduceon Enterprises Inc.

Certificate of Analysis

Client:
[illegible]tario Clean Water Agency
[illegible] Industrial Dr.
Chesterville, ON
K0C 1H0

Attention: **Dave Markell**

Report: **220012189**
Project: Finch WTP
Date Sampled: November 4, 2002
Date Received: November 5, 2002
Date Printed: November 07, 2002
Matrix: Drinking Water

Parameter	Unit	MDL	Sample Identification			
			Well - Raw	WTP Treated - 20 William St., Finch	Dist. MAQ Sonar	Smith Cartage
Total Chlorine	mg/L	0.05		2.19	1. 6	1.54
Free Chlorine	mg/L	0.05		1.84	1.34	1.41
E. coli	/100mL	1	absent	absent	absent	absent
Heterotrophic Plate Count	/mL	2		absent	absent	
Background bacteria	/100mL	1	4			
Total Coliforms	/100mL	1	absent	absent	absent	absent

Caduceon Environmental Laboratories
2378 Holly Lane, Ottawa, Ontario, K1V 7P1, Canada
Tel: (613)526-0123, Fax: (613)526-1244

For Michael Ziebell, General Manager

Caduceon Environmental Laboratories

Division of Caduceon Enterprises Inc.

Certificate of Analysis

Client:
Ontario Clean Water Agency
8 Industrial Dr.
Chesterville, ON
K0C 1H0

Attention: Dave Markell

Report: 220012679
Project: Finch WTP
Date Sampled: November 12, 2002
Date Received: November 13, 2002
Date Printed: November 15, 2002
Matrix: Drinking Water

Parameter	Unit	MDL	Sample Identification			
			Well - Raw	WTP Treated	Dist. SPS	Dist. Barb's Diner
Total Chlorine	mg/L	0.05		1.61	1.01	1.63
Free Chlorine	mg/L	0.05		1.46	0.84	1.42
E. coli	/100mL	1	absent	absent	absent	absent
Heterotrophic Plate Count	/mL	2		60	absent	
Background bacteria	/100mL	1	98			
Total Coliforms	/100mL	1	absent	absent	absent	absent

Caduceon Environmental Laboratories
2378 Holly Lane, Ottawa, Ontario, K1V 7P1, Canada
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Krystyna Pipin, Laboratory Supervisor

Caduceon Environmental Laboratories

Division of Caduceon Enterprises Inc.

Certificate of Analysis

Client:
ntario Clean Water Agency
Industrial Dr.
Chesterville, ON
K0C 1H0

Attention: **Dave Markell**

Report: **220012906**
Project: Finch WTP
Date Sampled: November 18, 2002
Date Received: November 19, 2002
Date Printed: November 21, 2002
Matrix: Drinking Water

Parameter	Unit	MDL	Sample Identification			
			Well - Raw	Well - Treated	Dist. Finch Arena	Dist. McEwen Fuel
Total Chlorine	mg/L	0.05		2.40	1.70	1.40
Free Chlorine	mg/L	0.05		2.10	1.40	1.20
E. coli	/100mL	1	absent	absent	absent	absent
Heterotrophic Plate Count	/mL	2		absent	4	
Background bacteria	/100mL	1	75			
Total Coliforms	/100mL	1	absent	absent	absent	absent

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Krystyna Pipin, Laboratory Supervisor

Caduceon Environmental Laboratories

Division of Caduceon Enterprises Inc.

Certificate of Analysis

Client:
Ontario Clean Water Agency
[redacted]ndustrial Dr.
Chesterville, ON
K0C 1H0

Attention: **Dave Markell**

Report: **220013265**
Project: Finch WTP
Date Sampled: November 25, 2002
Date Received: November 26, 2002
Date Printed: November 28, 2002
Matrix: Drinking Water

Parameter	Unit	MDL	Sample Identification			
			Well - Raw	WTP Treated	Dist. St. Bernard's School	Dist. SPS #1
Total Chlorine	mg/L	0.05		2.40	1.70	1.00
Free Chlorine	mg/L	0.05		2.10	1.40	0.80
E. coli	/100mL	1	absent	absent	absent	absent
Heterotrophic Plate Count	/mL	2		absent	absent	
Background bacteria	/100mL	1	49			
Total Coliforms	/100mL	1	absent	absent	absent	absent

Caduceon Environmental Laboratories
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Tel: (613)526-0123, Fax: (613)526-1244

Krystyna Pipin, Laboratory Supervisor

Caduceon Environmental Laboratories

Division of Caduceon Enterprises Inc.

Certificate of Analysis

Client:
[illegible]tario Clean Water Agency
[illegible]ndustrial Dr.
Chesterville, ON
K0C 1H0

Attention: **Dave Markell**

Report: **220013597**
Project: Finch WTP
Date Sampled: December 2, 2002
Date Received: December 3, 2002
Date Printed: December 05, 2002
Matrix: Drinking Water

Parameter	Unit	MDL	Sample Identification			
			Well - Raw	WTP Treated	Dist. Arena	Dist. Barb's Diner
Total Chlorine	mg/L	0.05		2.30	2.18	1.79
Free Chlorine	mg/L	0.05		1.97	1.99	1.51
E. coli	/100mL	1	absent	absent	absent	absent
Heterotrophic Plate Count	/mL	2		2	absent	
Background bacteria	/100mL	1	10			
Total Coliforms	/100mL	1	absent	absent	absent	absent

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Tel: (613)526-0123, Fax: (613)526-1244

Krystyna Pipin, Laboratory Supervisor

Caduceon Environmental Laboratories

Division of Caduceon Enterprises Inc.

Certificate of Analysis

Client:
[redacted]ario Clean Water Agency
[redacted]ndustrial Dr.
Chesterville, ON
K0C 1H0

Attention: **Dave Markell**

Report: 220013983
Project: Finch WTP
Date Sampled: December 9, 2002
Date Received: December 10, 2002
Date Printed: December 12, 2002
Matrix: Drinking Water

Parameter	Unit	MDL	Sample Identification			
			Well - Raw	WTP Treated	Dist. Mad Sonar	Dist. St. Bernard School
Total Chlorine	mg/L	0.05		2.35	2.11	2.19
Free Chlorine	mg/L	0.05		1.99	1.83	1.96
E. coli	/100mL	1	absent	absent	absent	absent
Heterotrophic Plate Count	/mL	2		absent	absent	
Background bacteria	/100mL	1	27			
Total Coliforms	/100mL	1	absent	absent	absent	absent

Caduceon Environmental Laboratories
2378 Holly Lane, Ottawa, Ontario, K1V 7P1, Canada
Tel: (613)526-0123, Fax: (613)526-1244

Krystyna Pipin, Laboratory Supervisor

Caduceon Environmental Laboratories

Division of Caduceon Enterprises Inc.

Certificate of Analysis

Client:
Ontario Clean Water Agency
5 Industrial Dr.
Chesterville, ON
K0C 1H0

Attention: **Dave Markell**

Report: **220014328**
Project: Finch WTP
Date Sampled: December 16, 2002
Date Received: December 17, 2002
Date Printed: December 19, 2002
Matrix: Drinking Water

Parameter	Unit	MDL	Sample Identification			
			Well - Raw	WTP Treated	Dist. Community Centre	Dist. Bank of Montreal
Total Chlorine	mg/L	0.05		2.02	1.74	1.44
Free Chlorine	mg/L	0.05		1.67	1.55	1.36
E. coli	/100mL	1	absent	absent	absent	absent
Heterotrophic Plate Count	/mL	2		absent	absent	
Background bacteria	/100mL	1	3			
Total Coliforms	/100mL	1	absent	absent	absent	absent

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Certificate of Analysis

Client:
Ontario Clean Water Agency
Industrial Dr.
Chesterville, ON
K0C 1H0

Attention: **Dave Markell**

Report: **220014626**
Project: Finch WTP
Date Sampled: December 23, 2002
Date Received: December 23, 2002
Date Printed: December 27, 2002
Matrix: Drinking Water

Parameter	Unit	MDL	Sample Identification			
			Well - Raw	WTP Treated	Dist. Maq Sonar	Dist. Finch Diner
Total Chlorine	mg/L	0.05		1.77	1.54	1.66
Free Chlorine	mg/L	0.05		1.57	1.32	1.39
E. coli	/100mL	1	absent	absent	absent	absent
Heterotrophic Plate Count	/mL	2		absent	absent	
Background bacteria	/100mL	1	6			
Total Coliforms	/100mL	1	absent	absent	absent	absent

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Certificate of Analysis

Client:
[O]ntario Clean Water Agency
[I]ndustrial Dr.
Chesterville, ON
K0C 1H0

Attention: **Dave Markell**

Report: **220014784**
Project: Finch WTP
Date Sampled: December 30, 2002
Date Received: December 30, 2002
Date Printed: January 02, 2003
Matrix: Drinking Water

Parameter	Unit	MDL	Sample Identification			
			Well - Raw	WTP - Treated	Dist. Sewage pumping Station	Dist. Arena
Total Chlorine	mg/L	0.05		1.77	1.17	1.39
Free Chlorine	mg/L	0.05		1.55	0.96	1.08
E. coli	/100mL	1	absent	absent	absent	absent
Heterotrophic Plate Count	/mL	2		absent	absent	
Background bacteria	/100mL	1	absent			
Total Coliforms	/100mL	1	absent	absent	absent	absent

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