

**2005
Annual Compliance Report**

**OPERATION AND MAINTENANCE
OF
PAISLEY WATER SYSTEM
MUNICIPALITY OF ARRAN-ELDERSLIE**

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1.0 INTRODUCTION

The Paisley water system is owned by the Municipality of Arran-Elderslie and located at 141 Mill Street, in Paisley.

The Paisley water treatment system was constructed in 1975 and receives its water from Teeswater River. The facility meets the definition of "Large Municipal, Residential Drinking Water System" serving the community. The Municipality of Arran-Elderslie retained the services of Oweson Water Services (OWS), a division of Oweson Limited, to prepare the Annual Compliance Report for the Paisley Water Treatment Plant. The Water Works number is 220002645 and was operated by Oweson Water Services licensed operators.

The objective of this report is to comply with the mandatory requirements for an Annual Report under Section 11.0 and a Summary Report under Schedule 22 of Ontario Regulation 253/05. The annual report covers the period from January 1, 2005 to December 27, 2005. Since December 28, 2005, the Paisley distribution system has been supplied by a trunk watermain from Chesley to Paisley. No further reports will be submitted for this facility.

The report includes the following, besides outlining the recommendations that the Owner shall undertake to comply with the regulations and continue to provide a safe drinking water quality to the community.

- Brief description of the water treatment system
- Summary of the reports and notices submitted to the Ministry of the Environment (MOE)
- Summary of the treated water quality monitoring
- Summary of chemicals used
- Summary of water usage
- Summary of any corrective actions for adverse results
- Water treatment system repairs and improvements on the water treatment system

It is notable that the Paisley Water Treatment Plant has been offline since December 27, 2005. Water for the Paisley Water Distribution System is supplied from Chesley via the trunk main that was constructed in 2005 between Chesley and Paisley. While the Paisley Water Treatment Plant has not yet been decommissioned and shall not for approximately one (1) year, the Paisley Water Treatment Plant could be used currently in an emergency but would take approximately two (2) to three (3) days for the process to be brought back on line.

2.0 DESCRIPTION OF WATER WORKS

The Paisley Water Works consists of an intake chamber with a bar screen at the inlet located in the Teeswater River. The outlet of the screen chamber is connected to the suction header of two (2) low lift vertical self-priming pumps (one duty and one standby) each having a rated capacity of 18.93 L/s. The Paisley treatment plant includes a mechanical in-line mixer with coagulant injection assembly, a package treatment plant consisting of one (1) clariflocculator unit, two (2) filtration units, and one (1) ultraviolet disinfection system located at the combined filter effluent piping. Alum is used as a coagulant and injected at the on-line mechanical mixer by two (one duty and one standby) positive displacement diaphragm driven pumps. Activated silica is used as a coagulation aid and added at the entrance to the flocculent zone by way of two (2) peristaltic static pumps. Soda ash is added in this same zone if the pH is <7.2 in the clarifier. Soda ash was never added for the year 2005 but was there for contingency plan only. During times of high colour and low turbidity, a bentonite slurry is used to improve the performance of the clariflocculation performance prior to filtration.

The Paisley water treatment plant also has an unbaffled clearwell that provides an overall storage volume of 107 m³ at full water level for filtered water. Two (2) high lift vertical turbine pumps discharge the treated water into the distribution system.

A surge tank receives filter backwash and clarified settled sludge and discharges the contents to a treatment tank by two (2) submersible pumps each rated at 6.6 L/s capacity. The Paisley Water Treatment Plant has one (1) on-line free chlorine residual analyzer for high lift vertical turbine pump discharge and one (1) online turbidity analyzer for clarifier effluent. The Paisley Water Treatment Plant uses Chloramine for a secondary disinfectant through the addition of two (2) chemicals: Sodium hypochlorite is injected into the filtered water prior to entering the clearwell and Ammonium Sulphate is injected at the Point of Entry (POE).

The Paisley Water Treatment Plant also includes a 1 micron cartridge filter as a standby to treat water from the clearwell as a contingency when the UV system is unable to provide an adequate level of disinfection.

The Ministry of the Environment has issued an Amended Certificate of Approval (C of A) and is enclosed in **Appendix A**. The Ministry of the Environment issued a Permit to Take Water # 92-P-0010 dated September 14, 1999 to this facility which specifies that the rate of water withdrawal not to exceed 1,636 m³/day. This Permit expires on September 14, 2009 and is enclosed in **Appendix B**.

3.0 LIST OF REPORTS AND NOTICES SUBMITTED TO DIRECTOR - MINISTRY OF THE ENVIRONMENT

Table 1 shows all reports and notices that were submitted to the Ministry of Environment between January 1, 2005 and December 31, 2005.

TABLE 1
List of Reports and Notices Submitted
to the Ministry of the Environment

Paisley Water System

Title of Report or Notice	Date of Submission	Date of Resolution
AWQI 51580	January 5, 2005	January 7, 2005
AWQI 59753	September 29, 2005	October 7, 2005
AWQI 60893	November 9, 2005	November 14, 2005
AWQI 61751	December 23, 2005	January 12, 2006
Part III, Form 2	February 28, 2006	

4.0 SUMMARY OF WATER QUALITY MONITORING

4.1 Water Treatment Equipment Operation Monitoring as per Schedule 7

4.1.1 Chlorine Residual - POE

In the year 2005 (from January 1, 2005 to December 31, 2005), a total of 361 samples were collected and analyzed for free chlorine and total residual at the Point of Entry treatment. **Table 2** below shows the monthly Minimum, Maximum and Average Combined Chlorine Residual values. The chlorine residual values are observed by collecting and analyzing samples from the POE. The chlorine residuals ranged from a low value of 0.44 mg/L to a high value of 3.71 mg/L.

Table 2
Summary of Water Quality - Combined Chlorine (POE)
Paisley Water System

Date	No. of Samples	Chlorine Residual (mg/L)		Average Chlorine (mg/L)
		Minimum (mg/L)	Maximum (mg/L)	
January	31	1.18	2.94	1.92
February	28	0.79	1.86	1.43
March	31	0.89	1.93	1.50
April	30	0.44	3.03	1.68
May	31	0.62	2.46	1.75
June	30	1.00	3.31	1.97
July	31	1.65	3.07	2.33
August	31	1.04	2.83	2.04
September	30	1.65	3.15	2.14
October	31	1.45	2.87	1.95
November	30	1.29	3.62	2.16
December	27	1.35	3.71	2.08
Total	361			
Min. (mg/L)		0.44		
Max. (mg/L)			3.71	
Avg. (mg/L)				1.91

4.1.2 Combined Chlorine Residual - Distribution

In the Paisley water system, Ammonium Sulphate is injected into the distribution system to react with the chlorine provided by the Sodium Hypochlorite metering system to produce Chloramine, which was used as a secondary disinfectant in the Paisley Water System until December 27, 2005. After December 27, 2005, chlorinated water from Chesley became the water source for Paisley, subsequently chloramine is no longer used as a secondary disinfectant in the Paisley Water System.

In the year 2005 (from January 1, 2005 to December 31, 2005), a total of 365 samples were collected in the distribution system. **Table 3** below shows the monthly minimum, maximum and average combined residual chlorine values. The combined chlorine residuals ranged from a low value of 0.15 mg/L to a high value of 3.06 mg/L.

**Table 3
 Summary of Water Quality - Combined Chlorine (Distribution)
 Paisley Water System**

Month	No. of Samples	Minimum (mg/L)	Maximum (mg/L)	Average (mg/L)
January	31	1.07	3.06	1.30
February	28	1.08	1.87	1.28
March	31	1.07	1.73	1.25
April	30	1.03	1.52	1.19
May	31	0.41	1.59	1.16
June	30	0.27	1.67	1.11
July	31	0.31	1.93	1.18
August	31	0.88	1.88	1.19
September	30	0.86	1.65	1.12
October	31	0.65	1.71	0.99
November	30	0.91	1.70	1.14
December	31	0.15	1.44	0.77
Total	365			
Min. (mg/L)		0.15		
Max. (mg/L)			3.06	
Avg. (mg/L)				1.14

4.1.3 Turbidity

At the Paisley Water Treatment Plant, one raw water and treated water sample were collected every day and analyzed for turbidity. In the year 2005, a total of 360 grab samples were collected from the raw and treated water. **Table 4** below shows the minimum, maximum and average turbidity values for raw water and treated water.

Table 4
Summary of Water Quality - Turbidity (NTU)
Paisley Water System

Month	# of Samples	Raw Result			(Final)Treated Water Turbidity NTU		
		Min.	Max.	Avg.	Min.	Max	Avg.
January	31	1.43	66.0	10.94	0.11	0.28	0.16
February	28	1.41	16.0	3.37	0.10	0.24	0.16
March	31	1.41	30.3	5.60	0.12	0.23	0.16
April	30	3.63	36.7	9.49	0.12	0.43	0.19
May	31	0.14	6.37	4.09	0.14	0.32	0.21
June	30	4.91	25.9	9.88	0.14	0.32	0.23
July	31	8.24	18.4	10.4	0.11	0.38	0.23
August	31	8.41	86.3	13.77	0.19	0.32	0.25
September	30	7.16	18.3	9.35	0.21	0.29	0.25
October	31	3.52	11.1	7.67	0.19	0.38	0.28
November	30	4.02	71.10	12.32	0.18	0.34	0.24
December	26	3.06	24.80	6.65	0.12	0.46	0.23
Total	360						
Min. (mg/L)		0.14			0.10		
Max. (mg/L)			86.30			0.46	
Avg. (mg/L)				8.63			0.22

The turbidity for the treated water ranged from a low value of 0.10 NTU to a high value of 0.46 NTU, and for the raw water the turbidity ranged from 0.14 NTU to 86.30 NTU.

The Ontario Drinking Water Quality Standards (ODWQS) have set a Maximum Acceptable Concentration (MAC) of 1 NTU for treated water leaving the POE and an Aesthetic Objective (AO) of 5.0 NTU for treated

water in the distribution system. No exceedance in treated water turbidity were reported in the year 2005 at the Paisley Water Treatment Plant.

4.2 Microbiological Sampling as per Schedule 10

4.2.1 Distribution System

Schedule 10 of Ontario Regulation 253/05 requires that at least nine (9) distribution samples are collected monthly and tested for E.Coli, Total Coliform and Heterotrophic Plate Count (HPC) or Background Count. In the year 2005, a total of 110 distribution samples were collected and analysed for E.Coli and 118 samples were tested for Total Coliform. A total of 111 samples were collected and tested for Background count. **Table 12** enclosed in **Appendix C** shows the weekly microbiological water quality results for the year 2005. The samples collected on September 27 and November 7, 2005 were found to have adverse Total Coliform counts. All resample results were found to be safe.

4.2.2 Raw Water Samples

Schedule 10 of Ontario Regulation 253/05 requires that at least one (1) raw water sample be collected every week and tested for E.Coli and Total Coliforms. In 2005, a total of 51 raw water samples were collected and tested for Total Coliform, E.Coli, Background count.

4.2.3 Point of Entry Samples

Schedule 10 of Ontario Regulation 253/05 requires one (1) treated water sample weekly to be collected from the Point of Entry. During 2005, 51 samples were collected and analyzed for E.Coli. A total of 55 samples were collected and analyzed for Total Coliform. 51 samples were analyzed for Background Count. No exceedences were observed in E.Coli, Total Coliform, HPC or Background.

Microbiological sampling results for the distribution, raw and treated water are summarized in **Table 5**.

TABLE 5
Summary of Water Quality: Microbiological
Paisley Water System

Water Type	Total Coliform Examination Results			E.Coli Examination Results			Background Count		
	Total No. of Samples	>0	0	Total No. of Samples	>0	0	Total No. of Samples	≥500	<500
		Adv.	Safe		Adv.	Safe		Adv.	Safe
Distribution Water	118	2	116	110	0	110	111	0	111
Raw Water	51	51	0	51	51	0	51	50	1
Point of Entry Water	55	0	55	51	0	51	51	0	51

E.Coli Escherichia coli (fecal coliform)

4.3 Chemical Sampling and Testing as per Schedule 13 of O. Reg. 408/04

4.3.1 Inorganics

Schedule 13.2 of Ontario Regulation 253/05 requires that at least one water sample is taken every 12 months, if the system obtains water from a raw water supply that is surface water. Since the Paisley Water System receives its raw water from Teeswater River (surface water), a treated water sample was collected on March 29, 2005 and submitted to the laboratory for analysis of Inorganics listed in Schedule 23. All parameters were found to be within compliance. Refer to **Appendix D**.

4.3.2 Lead

Schedule 13-3 of Ontario Regulation 253/05 requires that at least one distribution sample be taken every 12 months from a point in the distribution system or in a plumbing that is connected to the drinking water system and tested for lead. A water sample was not collected from the Paisley water distribution system on December 24, 2005 and analyzed for lead as the plant was being shut down.

4.3.3 Organics

Schedule 13-4 of Ontario Regulation 253/05 requires that at least one water sample is taken every 12 months and tested for organics if the raw water source is a surface water. All organic parameters, as per Schedule 24, were sampled and analyzed on March 29, 2005 and were found to be within compliance. Refer to **Appendix D**.

4.3.4 Trihalomethanes (THMs)

Schedule 13-6 of Ontario Regulation 253/05 requires that at least one distribution sample is taken every three months from a point in the drinking water system's distribution system or plumbing that is connected to the drinking water system and tested for Trihalomethanes (THMs). In the year 2005, samples were collected during the months of March, June and September. The Ontario Drinking Water Quality Standard (ODWQS) have set a Maximum Allowable Concentration (MAC) of 100 µg/L for this parameter and is expressed as a running annual average. In the year 2005, the average THM was found to be 70.1 µg/L. Please refer to the **Table 6** below on the Summary of Trihalomethanes and **Appendix D** for analytical results. No samples were collected in December as the plant was shut down.

Table 6
Summary of Trihalomethanes (THMs)
January 1, 2005 – December 31, 2005
Paisley Water System

Sample Date	Result (µg/L)
March 17, 2005	51.2
June 15, 2005	81.4
September 16, 2005	77.6
Annual Average	70.1

4.3.5 Nitrate and Nitrite

Schedule 13-7 of Ontario Regulation 253/05 requires that at least one water sample is taken every three months and tested for nitrate and nitrite. Samples were collected during the months of March, June and September. The analytical results were found to be in compliance. No samples were collected in December as the plant was shut down. Refer to **Appendix D**.

4.3.6 Sodium

Schedule 13-8 of Ontario Regulation 253/05 requires that at least one water sample is collected every 60 months and tested for sodium. The Ontario Drinking Water Quality Standards (ODWQS) have set a Maximum Acceptable Concentration (MAC) of 200 mg/L for sodium and requires the Medical Officer of Health be notified if the concentration exceeds 20 mg/L. A sample was collected and analysed for sodium on

January 5, 2005 wherein the sodium was found to be 16.8 mg/L and was found to be within compliance. Refer to **Appendix D**.

4.3.7 Fluoride

Schedule 13-8 of Ontario Regulation 253/05 requires that fluoride (FI) be collected and analyzed once every 60 months (once every five (5) years). This sample is to be collected at the POE.

The fluoride sample was collected on January 21, 2002. The MAC is 1.5 mg/L. There was no detectable level of fluoride found at Paisley, which is within compliance. Refer to **Appendix L**.

4.3.8 Treated Filter Backwash Water Discharge

The Certificate of Approval (C of A) requires that samples of treated filter backwash waste discharged into the Teeswater River be sampled and analysed on a monthly basis for Suspended Solids (Composite), Aluminum and Total Chlorine Residual. The C of A requires that the average annual concentration of suspended solids in the effluent discharged to the Teeswater River not exceed 15 mg/L. **Table 7** provides a summary of treated backwash (supernatant) water quality for 2005. It can be seen from **Table 7**, the TSS concentration did not exceed the limit of 15 mg/L except for June 2005. The residual chlorine was also consistently below 0.05 mg/L. Refer to **Appendix D** for analytical results.

The elevated TSS result is likely due to the use of the bentonite slurry settling out in the backwash tank. The accumulated sludge was removed from the tank and the monthly TSS results returned to normal.

TABLE 7
Summary of Treated Backwash (Supernatant) Water Quality – 2005
Paisley Water Works

Month	Suspended Solids (mg/L)	Aluminum (mg/L)	Total Chlorine Residual (mg/L)
January	10	1.36	0.040
February	4	0.31	0.023
March	7	0.37	0.033
April	6	0.39	0.040
May	12	1.00	0.036
June	42	2.84	0.013
July	3	0.06	0.013
August	5	0.30	0.022
September	5	0.55	0.023
October	3	0.14	0.020
November	5	0.75	0.018
December	7	0.68	0.027
Average (mg/L)	9.08	0.73	0.03

NM – Not Measured

5.0 WATER USAGE

The Certificate of Approval issued by the Ministry of the Environment specifies that the Paisley drinking water system shall not be operated at a rate exceeding a maximum flow rate of 19 L/sec (1636 m³/day) which is consistent with the Permit to Take Water (PTTW). **Table 8** below shows the summary of water usage for the year 2005 recorded by the flow meter installed at this facility. This table also includes monthly average and maximum day flows. From the table it can be seen that the maximum daily volume did not exceed the maximum rated flow of 1,636 m³/day as specified in the Certificate of Approval. The maximum daily volume occurred in October 2005 and was observed to be 799 m³/day.

TABLE 8
Summary of Water Usage
January 1, 2005 to December 31, 2005

Paisley Water System

Month	Quantity of Water (m ³)	Average Day (m ³)	Maximum Day (m ³)
January	13,301	429.06	584
February	11,029	393.89	467
March	11,978	386.39	538
April	12,273	409.10	490
May	13,137	423.77	525
June	14,488	482.93	629
July	15,185	489.84	681
August	13,815	445.65	548
September	13,877	462.57	580
October	16,841	543.30	799
November	14,355	478.50	659
December	10,722	397.11	666
Total (m³)	161,001		
Average Day (m³)		441.10	
Maximum Day (m³)			799.00

The water meters were calibrated on July 19, 2005. No further calibrations will be done for this facility. Refer to **Appendix G**.

6.0 MONTHLY MONITORING OF CHEMICALS

The chemicals used in the Paisley water system includes sodium hypochlorite (NaOCl) and ammonium sulphate for disinfection. Alum, Bentonite and activated silica are used as a coagulant and coagulant aids respectively. The coagulant aid (activated silica) is prepared by mixing sodium silicate with sodium bicarbonate and is injected at the entrance to the flocculation zone while alum is injected by the on-line mechanical mixer. If the pH in the clarifier is <7.2, then soda ash is added. All chemicals are NSF 60 approved. Refer to **Appendix E**.

Table 9 below shows the monthly summary of sodium hypochlorite and ammonium sulphate used and the average dosage applied.

Table 10 shows the monthly summary of alum used and the average dosage applied.

Table 11 shows the monthly summary of silicate and sodium bicarbonate used and the average dosage applied.

Table 9
Summary of Disinfectant Chemicals Used
January 1, 2005 to December 31, 2005
Paisley Water System

Month	Sodium Hypochlorite		Ammonium Sulphate		Flow (m ³)
	Volume Used (L)	Average Dosage Applied (mg/L)	Volume Used (L)	Average Dosage Applied (mg/L)	
January	455.88	4.35	247	12.03	13,301
February	365.45	4.20	153	8.99	11,029
March	430.45	4.56	192	10.39	11,978
April	500.22	5.17	191	10.08	12,273
May	612.61	5.92	209	10.31	13,137
June	707.11	6.19	237	10.6	14,488
July	703.01	5.88	334	13.37	15,185
August	660.95	6.07	274	12.85	13,815
September	633.20	5.79	261	12.19	13,877
October	733.50	5.65	293	11.52	16,481
November	603.90	5.34	282	12.73	14,355
December	427.89	5.06	126	7.61	10,722
Total	6834.17		2799		160,641
Average		5.35		11.06	

Table 10
Summary of Alum Used
January 1, 2005 to December 31, 2005
Paisley Water System

Month	Volume of Alum Used (kg)	Average Dosage Applied (mg/L)	Flow (m ³)
January	706.90	50.85	13,301.00
February	403.10	35.67	11,029.00
March	693.50	53.43	11,978.00
April	821.80	67.31	12,273.00
May	923.56	69.96	13,137.00
June	727.42	50.12	14,488.00
July	711.90	46.96	15,185.00
August	708.30	51.15	13,815.00
September	691.60	49.79	13,877.00
October	902.79	54.43	16,481.00
November	955.35	63.53	14,355.00
December	1,062.00	85.40	10,722.00
Total	9,308.22		160,641
Average		56.55	

Table 11
Summary of Silicate & Sodium Bicarbonate Used
January 1, 2005 to December 31, 2005
Paisley Water System

Month	Silicate		Sodium Bicarbonate		Flow (m ³)
	Volume Used (L)	Average Dosage Applied (mg/L)	Volume Used (L)	Average Dosage Applied (mg/L)	
January	230.44	16.84	187.32	13.50	13,301
February	181.70	16.58	150.29	13.27	11,029
March	234.09	19.38	200.89	15.50	11,978
April	251.09	20.57	200.91	16.46	12,273
May	254.83	19.40	203.76	15.52	13,137
June	193.45	13.14	154.79	10.52	14,488
July	157.85	11.52	140.04	9.22	15,185
August	134.92	9.75	107.96	7.80	13,815
September	129.67	9.34	103.74	7.45	13,877
October	196.58	11.93	157.27	9.55	16,481
November	205.77	11.53	164.63	11.04	14,355
December	248.12	20.16	198.46	16.12	10,722
Total	2418.509		1970.06		160641
Average		15.01		12.1625	

7.0 COMPLIANCE OF WATER SYSTEM

During the period covered by this report, 4 notices were given in accordance with the Schedule 16 and corrective action was taken as per Schedule 17 of Ontario Regulation 253/05.

The facility was inspected on February 1, 2005 and the Municipality received the Inspection Report on March 31, 2005. On April 30, 2005 the Operating Authority submitted a Report of Compliance for the four (4) issues that required action.

The Paisley Water Treatment Plant participated in a Ministry of the Environment program called the Drinking Water Surveillance Program. This involved extensive sampling and analysis of the drinking water on a quarterly basis. The samples collected in December 2005 showed a slightly elevated concentration of NDMA. Resampling results were within compliance.

8.0 WATER TREATMENT SYSTEM IMPROVEMENTS AND REPAIRS

During 2005 a trunk watermain was built from Chesley to Paisley and was put into service on December 28, 2005. The Paisley Water Treatment Plant now sits idle and is to be decommissioned, as discussed in Section 1.

9.0 CONCLUSIONS AND RECOMMENDATIONS

1. 2 Total Coliform related adverse results were reported from samples collected in the distribution system and re-sampling indicated safe results.
2. 1 adverse Nitrosodimethylamine (NDMA) was reported in the year 2005 and resampling indicated safe results.
3. The Paisley Water Treatment Plant was generally operated in compliance with the Regulation 408/04.
4. The average water demand in the year 2005 was approximately 441 m³/day.
5. The maximum day demand was 799 m³ and was observed to be in October 2005.
6. The water usage for the year 2005 was reviewed which revealed that the maximum daily consumption did not exceed the design capacity of 1,636 m³/day as specified in the Certificate of Approval and the Permit To Take Water.
7. The Total Suspended Solids concentration, Aluminum and Chlorine residual for the backwash wastewater were within compliance in the year 2005 except for one TSS exceedance in June 2005. The annual average concentration of Suspended Solids was measured to be 9.08 mg/L which is less than the Maximum Allowable Annual Average Concentration of 15 mg/L as specified in the Certificate of Approval.
8. Calibration and routine preventive maintenance was performed in the system. The water meters were calibrated on July 19, 2005.
9. Inorganics and Organics were sampled as per Schedule 13 and analyzed for the parameters as listed in Schedule 23.
10. Trihalomethanes were analyzed as per Schedule 13 however, the fourth quarterly sample was not taken in December 2005 as the plant was being taken offline.
11. Nitrate and Nitrite were analyzed as per Schedule 13 however, the fourth quarterly sample was not taken in December 2005 as the plant was being taken offline.

12. Sodium was analyzed as per Schedule 13.
13. Fluoride was analyzed as per Schedule 13.
14. The Municipality of Arran-Elderslie completed a Schedule C Class Environmental Assessment that identified the most appropriate alternative for the Chesley and Paisley Water Works to meet the requirements of the Regulation. The highlights of the chosen alternative is recommended in the Environmental Study Report (ESR) including, but not limited to the following:
 - To provide a new treatment plant and pumphouse building at Chesley by constructing additional wells which will be adequate enough to supply water for both Chesley and Paisley.
 - The treated water from Chesley to Paisley shall be supplied by way of constructing an approximate 16 km long trunk watermain.
 - The Paisley Water Treatment Plant shall be decommissioned after the commissioning of the new water treatment at Chesley.
15. The 16 km trunk watermain was constructed and put into service in December 2005.
16. The Paisley Water Treatment Plant was "mothballed" (ie. now sits idle) when the trunk watermain was put into service.
17. No further Annual Reports will be submitted for the Paisley Water Treatment Plant.

Prepared by:

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Geoff Aitken, A.Sc.T.
Compliance Manager

GWA/tah

Mark Meyer
Operator In Charge

Appendix A

Certificate of Approval #4654-5XCK6A © of A)

Appendix B

Permit to Take Water # 92-P-0010 (PTTW)

Appendix C

Weekly Summary of Water Quality – Bacteriological

Appendix D

Chemical Sampling and Testing Results

Appendix E

NSF 60

Appendix F
Part III Form 2

Appendix G

Water Meter Calibration Report