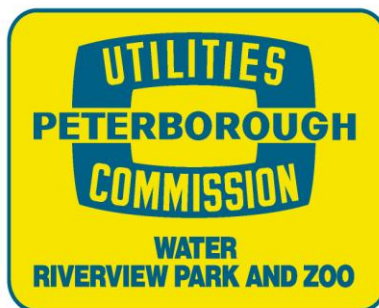


# **2010 SUMMARY REPORT FOR MUNICIPALITIES**

## **Peterborough Water Treatment Plant**

**PERIOD: JANUARY 1, 2010 – DECEMBER 31, 2010**



**Certificate of Approval: 2739-6C5L2X**

**MOE Waterworks No: 220000497**

January 10, 2011

### **Submission of this Report**

Schedule 22, section 22-2(1) of O. Reg. 170/03 under the Safe Drinking Water Act requires this report be submitted to the Peterborough Utilities Commission as it is the Peterborough drinking water system owner and a municipal service board under the Municipal Act, 2001.

### **Period Covered by this Report**

Schedule 22, section 22-2(5) of O. Reg. 170/03 under the Safe Drinking Water Act requires this report cover the period of January 1, 2010 to December 31, 2010.

### **Failure to Meet Requirements of the Safe Drinking Water Act and Regulations**

There are no known failures to meet the requirements of the Safe Drinking Water Act, 2002 or any current regulation made under this Act.

### **Failure to Meet Requirements of the Certificate of Approval**

A summary of the terms and conditions under Certificate of Approval number 2739-6C5L2X are listed in Table A.

There are currently no known failures to meet the requirements of the terms and conditions of Certificate of Approval number 2739-6C5L2X.

### **Failure to Meet Requirements of Provincial Officer Orders**

There were no Provincial Officer's Orders issued during the period covered by this report. Any previously issued orders have been addressed. There are currently no known failures to meet the requirements of the terms and conditions of any Provincial Officer's Orders.

### **Capability of Water System**

The annual summary of water delivered in 2010 is as follows:

<b>Month</b>	<b>Average Day (ML/d)</b>	<b>Maximum Day (ML/d)</b>	<b>Peak Flows (L/m)</b>
January	34.28	37.75	26,217
February	34.19	36.36	25,249
March	33.59	35.98	24,983
April	36.15	47.96	33,308
May	44.45	61.96	43,030
June	40.09	50.28	34,918
July	46.18	57.99	40,269
August	43.09	53.85	37,399

Month	Average Day (ML/d)	Maximum Day (ML/d)	Peak Flows (L/m)
September	38.38	48.32	33,553
October	34.73	37.41	25,980
November	34.04	37.29	25,892
December	34.67	39.35	27,328
Rated Capacity	N.A.	104	N.A.
Approved Flowrate (Permit to Take Water 94-P-3040)	N.A.	190.68	132,743 L/m

The Certificate of Approval rates the plant at 104 ML/day, therefore there were no exceedences of this rating. The Permit to Take Water allows a maximum taking of 190.68 ML/day, therefore there were no exceedences of this permit.

### **Water Supplied to Others**

The Township of Smith-Ennismore-Lakefield's Woodland Acres development receives all of its drinking water from the Peterborough municipal water system. A copy of this report has been provided to the Township of Smith-Ennismore-Lakefield as required by Schedule 22, section 22-2(4) of O. Reg. 170/03 under the Safe Drinking Water Act.

This report has been prepared by D. Wayne Stiver, P. Eng., Peterborough Utilities Services Inc., representative of the contracted operating authority.




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D. Wayne Stiver, P.Eng.  
Vice-President, Water Utility Services  
Peterborough Utilities Services Inc.

Table A: Summary of Terms and Conditions for Certificate of Approval

Certificate Number: 2739-6C5L2X

Site Location: Peterborough Water Treatment Plant

Section	Condition	Compliance?	Details
3.1	Operate to SDWA and regulations	Yes	
3.2	Owner and operator jointly liable	N/A	
3.3	Operators informed of SDWA and regulations	Yes	Ongoing training as required by O.Reg.128/04
3.4	Copy of C of A available	Yes	
3.5	DWS designed, developed, built, operated & maintained as per Part 1 & Sch. A	Yes	
3.6	Legislative hierarchy	N/A	
3.7	Requirements of C of A severable	N/A	
3.8	Compliance with Environmental Assessment Act	N/A	
3.9	Other legal obligations	N/A	
3.10	Other legal obligations	N/A	
3.11	Nothing permits discharge of contaminant	N/A	
3.12	Minimize adverse affects on natural environment	N/A	
3.13	Fulfillment of any does not eliminate need to meet all conditions	N/A	
3.14 (i)	Notification of change of owner or operating authority	Yes	N/A
3.14 (ii)	Notification of change of address for owner or operating authority	Yes	N/A
3.14 (iii)	Notification of partnership or change to partnership	Yes	No partnership
3.14 (iv)	Change of name for owner or operating authority	Yes	N/A
3.15	In case of change of ownership, notify new owner of existence of this certificate (CofA)	Yes	N/A
3.16	Shall not hinder Provincial Officer	Yes	
3.17	Information requested by MOE to be provided	Yes	
3.18	Records kept at least 5 years and available for Provincial Officer	Yes	
4.1	DWS to not exceed rated capacity	Yes	Contained in report
4.2	DWS may be operated beyond rated capacity to maintain DWS	Yes	N/A
4.3	If 4.2 applies, all standards & legal requirements must be met	Yes	
4.4	Residual management, suspended solids shall not exceed 25 mg/L	Yes	
5.1	Install flow meters to measure;		

Section	Condition	Compliance?	Details
	i. max flow rate & daily flow into treatment plant	Yes	In place
	ii. max flow rate & daily flow into distribution system	Yes	In place
5.2	Where exceedence of flow, date, time and duration recorded	Yes	No exceedence
5.3	Flow measuring devices checked and calibrated in accordance with manufacturer's instructions	Yes	
5.4	If manufacturer's info unavailable in 5.3, calibrate annually	Yes	
5.6*	Residue sampling shall be composite quarterly at point of discharge	Yes	
5.7*	Definition of composite sample	N/A	
6.1	Chemical certificates to AWWA and NSF	Yes	
6.2	Current chemical documentation available	Yes	
6.3	6.2 not required if Minister has approved chemical	N/A	
6.4	Up-to-date operations manual available	Yes	
6.5	Operations manual shall contain at least: i: requirements of C of A ii: O&M recommendations from Engineer's Report iii: procedures for monitoring & recording iv: procedures for O&M of monitoring equipment v: contingency plans for equipment and materials vi: complaint procedures	Yes Yes Yes Yes Yes Yes	
6.6	Any alterations coming into operation to be incorporated in O&M manual	Yes	
6.7	Up-to-date P&ID for entire plant	Yes	In place
6.8	As constructed drawings to be retained and readily available for inspection	Yes	
6.9	Any alterations coming into operation to be incorporated in P&ID	Yes	
7.1	N/A	N/A	
7.2	N/A	N/A	
8.1	N/A	N/A	
9.1	N/A	N/A	
9.2	N/A	N/A	

\* There is no Section 5.5 in current C of A

N/A = Not applicable