Part III Form 2
Section 11. ANNUAL REPORT

Drinking-Water System Number:	**220000013**
Drinking-Water System Name:	**ERIN DRINKING WATER SYSTEM**
Drinking-Water System Owner:	**CORPORATION OF THE TOWN OF ERIN**
Drinking-Water System Category:	**LARGE MUNICIPAL RESIDENTIAL**
Period being reported:	**JANUARY 1 – DECEMBER 31, 2010**

Complete if your Category is Large Municipal Residential or Small Municipal Residential

Does your Drinking-Water System serve more than 10,000 people? Yes [ ] No [X]

Is your annual report available to the public at no charge on a web site on the Internet? Yes [X] No [ ]

Location where Summary Report required under O. Reg. 170/03 Schedule 22 will be available for inspection.

TOWN OF ERIN
COMPLIANCE ADMINISTRATOR'S OFFICE
5684 TRAFALGAR ROAD
HILLSBURGH, ONTARIO N0B 1Z0

Complete for all other Categories.

Number of Designated Facilities served:

N/A

Did you provide a copy of your annual report to all Designated Facilities you serve?
Yes [ ] No [ ]

Number of Interested Authorities you report to: N/A

Did you provide a copy of your annual report to all Interested Authorities you report to for each Designated Facility?
Yes [ ] No [ ]

List all Drinking-Water Systems (if any), which receive all of their drinking water from your system:

Drinking Water System Name	Drinking Water System Number
N/A	N/A

Did you provide a copy of your annual report to all Drinking-Water System owners that are connected to you and to whom you provide all of its drinking water? N/A
Yes [ ] No [ ]

Indicate how you notified system users that your annual report is available, and is free of charge.

- **[X] Public access/notice via the web**
- **[X] Public access/notice via Government Office**
- **[X] Public access/notice via Public Request**

Describe your Drinking-Water System

The Erin Drinking Water System is a ground water supply system serving a population of approximately 2500 residential and commercial customers, located in the former Village of Erin.

The water is supplied from two wells drilled into the fractured limestone bedrock, with a total rated capacity of 4,128 m^3/day. The pressure in most of the Erin Municipal Water System is maintained by a 1,700 m^3 water tower, however 65 residences in the Erin Heights Subdivision require a booster pump main to maintain adequate pressure.

The Erin Drinking Water System's Certification Facility Level is WD3, Certificate Number 1235 issued 02/21/2002.

Well No. 7, located at 46 Shamrock Road, Erin Well No. 7, located at 46 Shamrock Road, Erin. It is a 250 mm diameter, 41.96m deep drilled ground water well, with casing to a depth of 10.67m. It is equipped with a submersible pump rated at 1,800 L/min. The well is located approximately 7m southeast of the pumphouse. The neighbouring land is used for both industrial and agricultural purposes. There is also undeveloped land in the vicinity of the pumphouse.

Well No. 8 is located on Lot 17, concession 8-9, Erin. It is a 200 mm diameter, 46 m deep drilled groundwater well, with double casing to depths of 6.7 m (outer casing) and 8.53 m (inner casing) and is equipped with a submersible pump rated at 1,636 L/min at 32 m total dynamic head. The well is located approximately 4 m northwest of the pumphouse. The neighbouring land is used for both residential and agricultural purposes. A golf course runs adjacent to the pumphouse along with undeveloped land.

List all water treatment chemicals used over this reporting period

Gaseous Chlorine

Were any significant expenses incurred to?

- **[x]** Install required equipment
- **[x]** Repair required equipment
- **[x]** Replace required equipment

Please provide a brief description and a breakdown of monetary expenses incurred

Water Van	**$20,259.00**
Additional Watermain (Pioneer Drive)	**$117,538.00**
Water Rate/Financial Plan Study	**$24,712.00**
Well House Maintenance	**$30,069.00**
Erin Distribution Maintenance	**$30,931.00**
Erin Water Tower Maintenance	**$13,237.00**
Hydro	**$51,643.00**

Provide details on the notices submitted in accordance with subsection 18(1) of the Safe Drinking-Water Act or section 16-4 of Schedule 16 of O.Reg.170/03 and reported to Spills Action Centre

Incident Date	Parameter	Result	Unit of Measure	Corrective Action	Corrective Action Date
01/12/2010	*Loss of Pressure*			*Shut down water, consumers notified, ,watermain repaired, resampled, all ok*	*01/15/2010*

Microbiological testing done under the Schedule 10, 11 or 12 of Regulation 170/03, during this reporting period.

	Number of Samples	Range of E.Coli Or Fecal Results (min #)-(max #)	Range of Total Coliform Results (min #)-(max #)	Number of HPC & Background Bacteria Samples	Range of HPC Results (min #)-(max #)
Raw	104	0	0 – 2	105	0 – 1 cfu/100 ml
Treated	104	0	0	208	0 – 1 cfu/100 ml
Distribution	210	0	0	417	0 – 22 cfu/100 ml

Operational testing done under Schedule 7, 8 or 9 of Regulation 170/03 during the period covered by this Annual Report.

	Number of Grab Samples	Range of Results (min #)-(max #)
Turbidity	**24**	**0.01 – 0.74 NTU**
Chlorine *(continuous)*	**8760**	**0.16058 – 1.992**
Chlorine *(grab samples)*	**365**	**0.33 – 1.05**
Fluoride (If the DWS provides fluoridation)	**N/A**	**N/A**

***NOTE**: For continuous monitors use 8760 as the number of samples.*

***NOTE**: Record the unit of measure if it is **not** milligrams per litre.*

Summary of additional testing and sampling carried out in accordance with the requirement of an approval, order or other legal instrument. N/A

Date of legal instrument issued	Parameter	Date Sampled	Result	Unit of Measure
n/a				

Summary of lead testing under Schedule 15.1 during this reporting period
(applicable to the following drinking water systems; large municipal residential systems**,** small municipal residential systems, and non-municipal year-round residential systems)

Location Type	Number of Samples	Range of Lead Results (min#) – (max #)	Number of Exceedances
Plumbing	**n/a**	**n/a**	**n/a**
Distribution	**6**	**ND – 0024**	**0**

Summary of Inorganic parameters tested during this reporting period or the most recent sample results

Well E7

Parameter	Sample Date	Result Value	Unit of Measure	Exceedance
Antimony	05/20/2009	0.0006		
Arsenic	05/20/2009	ND		
Barium	05/20/2009	0.045		
Boron	05/20/2009	ND		
Cadmium	05/20/2009	ND		
Chromium	05/20/2009	ND		
Lead (distribution)	11/08/2010	.0013		
Mercury	05/20/2009	ND		
Selenium	05/20/2009	ND		
Sodium	09/16/2008	5.1		
Uranium	05/20/2009	0.0001		
Fluoride	09/16/2008	0.3		
Nitrite	12/06/2010	ND		
Nitrate	12/06/2010	0.1		

*only for drinking water systems testing under Schedule 15.2; this includes large municipal non-residential systems, small municipal non-residential systems, non-municipal seasonal residential systems, large non-municipal non-residential systems, and small non-municipal non-residential systems

Summary of Organic parameters sampled during this reporting period or the most recent sample results

Well E7

Parameter	Sample Date	Result Value	Unit of Measure	Exceedance
Alachlor	05/20/2009	ND	ug/L	
Aldicarb	05/20/2009	ND	ug/L	
Aldrin + Dieldrin	05/20/2009	ND	ug/L	
Atrazine + N-dealkylated metobolites	05/20/2009	ND	ug/L	
Azinphos-methyl	05/20/2009	ND	ug/L	
Bendiocarb	05/20/2009	ND	ug/L	
Benzene	05/20/2009	ND	ug/L	
Benzo(a)pyrene	05/20/2009	ND	ug/L	
Bromoxynil	05/20/2009	ND	ug/L	
Carbaryl	05/20/2009	ND	ug/L	
Carbofuran	05/20/2009	ND	ug/L	
Carbon Tetrachloride	05/20/2009	ND	ug/L	
Chlordane (Total)	05/20/2009	ND	ug/L	
Chlorpyrifos	05/20/2009	ND	ug/L	
Cyanazine	05/20/2009	ND	ug/L	
Diazinon	05/20/2009	ND	ug/L	
Dicamba	05/20/2009	ND	ug/L	

1,2-Dichlorobenzene	05/20/2009	ND	ug/L	
1,4-Dichlorobenzene	05/20/2009	ND	ug/L	
Dichlorodiphenyltrichloroethane (DDT) + metabolites	05/20/2009	ND	ug/L	
1,2-Dichloroethane	05/20/2009	ND	ug/L	
1,1-Dichloroethylene (vinylidene chloride)	05/20/2009	ND	ug/L	
Dichloromethane	05/20/2009	ND	ug/L	
2-4 Dichlorophenol	05/20/2009	ND	ug/L	
2,4-Dichlorophenoxy acetic acid (2,4-D)	05/20/2009	ND	ug/L	
Diclofop-methyl	05/20/2009	ND	ug/L	
Dimethoate	05/20/2009	ND	ug/L	
Dinoseb	05/20/2009	ND	ug/L	
Diquat	05/20/2009	ND	ug/L	
Diuron	05/20/2009	ND	ug/L	
Glyphosate	05/20/2009	ND	ug/L	
Heptachlor + Heptachlor Epoxide	05/20/2009	ND	ug/L	
Lindane (Total)	05/20/2009	ND	ug/L	
Malathion	05/20/2009	ND	ug/L	
Methoxychlor	05/20/2009	ND	ug/L	
Metolachlor	05/20/2009	ND	ug/L	
Metribuzin	05/20/2009	ND	ug/L	
Monochlorobenzene	05/20/2009	ND	ug/L	
Paraquat	05/20/2009	ND	ug/L	
Parathion	05/20/2009	ND	ug/L	
Pentachlorophenol	05/20/2009	ND	ug/L	
Phorate	05/20/2009	ND	ug/L	
Picloram	05/20/2009	ND	ug/L	
Polychlorinated Biphenyls(PCB)	05/20/2009	ND	ug/L	
Prometryne	05/20/2009	ND	ug/L	
Simazine	05/20/2009	ND	ug/L	
THM (Distribution) (NOTE: show latest annual average)	12/06/2010	1.4	Ug/L	
Temephos	05/20/2009	ND	ug/L	
Terbufos	05/20/2009	ND	ug/L	
Tetrachloroethylene	05/20/2009	ND	ug/L	
2,3,4,6-Tetrachlorophenol	05/20/2009	ND	ug/L	
Triallate	05/20/2009	ND	ug/L	
Trichloroethylene	05/20/2009	ND	ug/L	
2,4,6-Trichlorophenol	05/20/2009	ND	ug/L	
2,4,5-Trichlorophenoxy acetic acid (2,4,5-T)	05/20/2009	ND	ug/L	
Trifluralin	05/20/2009	ND	ug/L	
Vinyl Chloride	05/20/2009	ND	ug/L	

Summary of Inorganic parameters tested during this reporting period or the most recent sample results

Well E8

Parameter	Sample Date	Result Value	Unit of Measure	Exceedance
Antimony	05/20/2009	ND		
Arsenic	05/20/2009	ND		
Barium	05/20/2009	ND		
Boron	05/20/2009	0.032		
Cadmium	05/20/2009	0.02		
Chromium	05/20/2009	ND		
Lead (Distribution)	11/08/2010	.0013		
Mercury	10/13/2009	.00008		
Selenium	05/20/2009	ND		
Sodium	09/16/2008	5.2		
Uranium	05/20/2009	ND		
Fluoride	05/20/2009	0.0004		
Nitrite	12/06/2010	ND		
Nitrate	12/06/2010	ND		

*only for drinking water systems testing under Schedule 15.2; this includes large municipal non-residential systems, small municipal non-residential systems, non-municipal seasonal residential systems, large non-municipal non-residential systems, and small non-municipal non-residential systems

Summary of Organic parameters sampled during this reporting period or the most recent sample results

Well E8

Parameter	Sample Date	Result Value	Unit of Measure	Exceedance
Alachlor	05/20/2009	ND	ug/L	
Aldicarb	05/20/2009	ND	ug/L	
Aldrin + Dieldrin	05/20/2009	ND	ug/L	
Atrazine + N-dealkylated metobolites	05/20/2009	ND	ug/L	
Azinphos-methyl	05/20/2009	ND	ug/L	
Bendiocarb	05/20/2009	ND	ug/L	
Benzene	05/20/2009	ND	ug/L	
Benzo(a)pyrene	05/20/2009	ND	ug/L	
Bromoxynil	05/20/2009	ND	ug/L	
Carbaryl	05/20/2009	ND	ug/L	
Carbofuran	05/20/2009	ND	ug/L	
Carbon Tetrachloride	05/20/2009	ND	ug/L	
Chlordane (Total)	05/20/2009	ND	ug/L	
Chlorpyrifos	05/20/2009	ND	ug/L	
Cyanazine	05/20/2009	ND	ug/L	
Diazinon	05/20/2009	ND	ug/L	
Dicamba	05/20/2009	ND	ug/L	
1,2-Dichlorobenzene	05/20/2009	ND	ug/L	

1,4-Dichlorobenzene	05/20/2009	ND	ug/L	
Dichlorodiphenyltrichloroethane (DDT) + metabolites	05/20/2009	ND	ug/L	
1,2-Dichloroethane	05/20/2009	ND	ug/L	
1,1-Dichloroethylene (vinylidene chloride)	05/20/2009	ND	ug/L	
Dichloromethane	05/20/2009	ND	ug/L	
2-4 Dichlorophenol	05/20/2009	ND	ug/L	
2,4-Dichlorophenoxy acetic acid (2,4-D)	05/20/2009	ND	ug/L	
Diclofop-methyl	05/20/2009	ND	ug/L	
Dimethoate	05/20/2009	ND	ug/L	
Dinoseb	05/20/2009	ND	ug/L	
Diquat	05/20/2009	ND	ug/L	
Diuron	05/20/2009	ND	ug/L	
Glyphosate	05/20/2009	ND	ug/L	
Heptachlor + Heptachlor Epoxide	05/20/2009	ND	ug/L	
Lindane (Total)	05/20/2009	ND	ug/L	
Malathion	05/20/2009	ND	ug/L	
Methoxychlor	05/20/2009	ND	ug/L	
Metolachlor	05/20/2009	ND	ug/L	
Metribuzin	05/20/2009	ND	ug/L	
Monochlorobenzene	05/20/2009	ND	ug/L	
Paraquat	05/20/2009	ND	ug/L	
Parathion	05/20/2009	ND	ug/L	
Pentachlorophenol	05/20/2009	ND	ug/L	
Phorate	05/20/2009	ND	ug/L	
Picloram	05/20/2009	ND	ug/L	
Polychlorinated Biphenyls(PCB)	05/20/2009	ND	ug/L	
Prometryne	05/20/2009	ND	ug/L	
Simazine	05/20/2009	ND	ug/L	
THM (Distribution) (NOTE: show latest annual average)	12/06/2010	1.4	Ug/L	
Temephos	05/20/2009	ND	ug/L	
Terbufos	05/20/2009	ND	ug/L	
Tetrachloroethylene	05/20/2009	ND	ug/L	
2,3,4,6-Tetrachlorophenol	05/20/2009	ND	ug/L	
Triallate	05/20/2009	ND	ug/L	
Trichloroethylene	05/20/2009	ND	ug/L	
2,4,6-Trichlorophenol	05/20/2009	ND	ug/L	
2,4,5-Trichlorophenoxy acetic acid (2,4,5-T)	05/20/2009	ND	ug/L	
Trifluralin	05/20/2009	ND	ug/L	
Vinyl Chloride	05/20/2009	ND	ug/L	

List any Inorganic or Organic parameter(s) that exceeded half the standard prescribed in Schedule 2 of Ontario Drinking Water Quality Standards.

Parameter	Result Value	Unit of Measure	Date of Sample

n/a			