# **BAYSVILLE**

# WATER 2014 ANNUAL AND SUMMARY

**REPORT** 



DRINKING WATER WORKS PERMIT: 143-208
MUNICIPAL DRINKING WATER LICENCE: 143-108

M.O.E. WATERWORKS# 260071435

#### INTRODUCTION

The Baysville Water Treatment Plant (W.T.P.) is owned and operated by the District of Muskoka. The plant serving the community of Baysville was commissioned in July, 2006. The treatment process consists of chemically assisted coagulation-flocculation, sedimentation, filtration, and disinfection by chlorination, fluoridation (discontinued in January 2014) and pH adjustment. The reservoir is located at the water treatment plant. The Baysville WTP has a rated capacity of 1,100 m3/day and the water system currently serves a population of approximately 350 people.

The plant operates under license 143-108 and permit 143-208, issued in October 2010 under the Municipal Drinking Water Licensing Program. The plant also presently operates under MOE Permit To Take Water 8513-7DZNY3 (expires April 30, 2018), which permits the operation of up to 1,100 cubic metres per day (m3/day).

The water source is Lake of Bays, a fairly large and clear body of water. The intake is located in 5 metres of water, about 385 metres from shore.

#### **Legislation Requirements**

#### Safe Drinking Water Act

In the Part Two Report in the Walkerton Inquiry, Commissioner Dennis O'Connor recommended that the Ontario Government enact a Safe Drinking Water Act to deal with matters related to treatment and distribution of drinking water. The Safe Drinking Water Act received royal assent in December, 2002.

The purpose of the Act is to gather in one place all legislation and regulations relating to the treatment and distribution of drinking water. The Act serves to protect human health through the control and regulation of drinking water systems and drinking water testing.

The foundation provisions of the Safe Drinking Water Act include:

- Purpose of the Act
- Definitions
- Minister's Powers and Duties
- Inspections
- Compliance and Enforcement
- Appeals and Offences

#### Ontario Regulations

The Ontario Government has enacted several supporting regulations under the Safe Drinking Water Act (2000) SDWA. These regulations combine previous requirements under the Ontario Water Resources Act and the new requirements under the SDWA. Key components of the regulations include:

- System Categories
- Groundwater Under Direct Influence Of Surface Water (GUDI)
- Exemptions
- Approval of Systems
- Treatment
- Testing and Operational Checks (General Rules)
- Operational Checks
- Microbiological Testing
- Chemical Testing
- Adverse Conditions
- Corrective Action
- Engineer's and Summary Reports

#### Municipal Drinking Water Licenses / Certificates of Approval

The Municipal Drinking Water Licensing Program has replaced the Certificate of Approval program for municipal residential drinking water systems. The Ontario Government has implemented the Municipal Drinking Water Licensing Program (MDWLP) as recommended by Justice O'Connor in the Part II Report of the Walkerton Inquiry. Justice O'Connor recommended a new approvals framework for municipal drinking water systems, which would require owners to obtain a license to operate their systems as well as incorporate the concept of quality management into their operations.

A municipal drinking water license is an approval that is issued by the MOE to owners under the Safe Drinking Water Act, 2002 for the operation of municipal residential drinking water systems. The District of Muskoka operated under various Certificates of Approval until October 2010 when the operating licenses were issued.

Previous Certificates of Approval were required for the establishment, replacement or alteration of all municipal drinking water systems. The Ministry of Environment (MOE) issued Certificates of Approval to ensure that all undertakings comply with the legislation (i.e. Acts and Regulations) and the Ministry's Environmental Guidelines and Procedures developed to provide consistency of approach to various aspects of environmental protection throughout the province.

Municipal Drinking Water Licenses and Permits similar to previous Certificates of Approval provide specific details about the drinking water system including:

Drinking Water System Description

**Definitions and Information** 

General Information – Compliance, Other Legal Requirements, Adverse Affects, Inspections

Performance – Rated Capacity, Management of Residue

Monitoring and Recording - Flow Measuring Devices, Sampling

Operations and Maintenance

#### **Comparison to Rated Capacity and Flow Rate**

The Baysville Water Treatment Plant has a rated capacity of 1,100 m3/day. In 2014, the total monthly average daily flow for the year was 103.7 m3/day. The maximum day flow for the year was 200 m3/day, however the 3-year average for maximum day flow is also 305 m3/day, which represents 27.7% of the plant design capacity. (No problems have been associated with this flow).

Monthly flows are shown in the attached table.

The Permit To Take Water (PTTW # 8513-7DZNY3) permits 1,100 m3/day, therefore there were no exceedances of this permit.

#### **Summary of Analytical Results**

A total of 661 microbiological regulatory tests were performed in 2014 and all were acceptable results. There were 528 free chlorine residual tests performed in the distribution system and all results were satisfactory. Response was carried out for all adverse results by proper notification and corrective actions.

A summary of other analytical results is also shown in this report.

#### **Summary of Treatment Chemicals**

The following chemicals are used for the treatment of drinking water at the Birch Glen

Water Treatment Plant:

Sodium Hypochlorite: Disinfectant

Polyaluminum Chloride: Primary coagulant

Hydrated Lime, Sodium Hydroxide, Carbon Dioxide: Alkalinity and pH adjustment

Hydrofluorosilicic Acid: Discontinued in January 2014.

A chart summarizing the chemical use and average dosages is included in this report.

#### **Documentation of System Repairs and Upgrades**

No upgrades or significant repairs were untaken in 2014.

#### Fluoride Addition Discontinued

On January 20, 2014, District Council passed By-law 2014-2, being a By-law to authorize fluoridation of municipal water supplies throughout Muskoka. This By-law did not authorize the addition of fluoride to municipal water supply in the Town of Baysville. Therefore, the addition of fluoride has been discontinued.

#### OPTIONAL ANNUAL REPORT TEMPLATE

Drinking-Water System Number:260071435Drinking-Water System Name:Birch Glen Water Treatment PlantDrinking-Water System Owner:District Municipality of MuskokaDrinking-Water System Category:Large Municipal ResidentialPeriod being reported:January 01 to December 31,2014

Complete if your Category is Large Municipal	ul
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.

District Municipality of Muskoka 70 Pine Street Bracebridge, Ontario P1L 1N3 www.muskoka.on.ca

#### 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:

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

Note: For the following tables below, additional rows or columns may be added or an appendix may be attached to the report

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

<b>Drinking Water System Name</b>	<b>Drinking Water System Number</b>		
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?

Yes [ ] No [ ]

	•	ou notified system user	rs that you	ır annual r	eport is available, a	and is free of
ch	arge.	agggalmatics via the v	h			
		access/notice via the v access/notice via Gove		Affica		
		access/notice via Gove		ince		
		access/notice via a new access/notice via Publ		f		
		ccess/notice via a Publ	-			
		ccess/notice via other i	•			
Г		ur Drinking-Water Sy		CD '11	1	1.1.1.2006
	The treatment	reatment plant serving nt process consists of ch	nemically a	ssisted coa	gulation- flocculation	n,
		on, filtration, and disinfe				
		of the plant is 1,100 cu			he water source is La	ake of Bays.
	The intake is	s located about 385 met	ers offshor	e.		
	List all water	er treatment chemicals	s used ove	r this repo	rting period	
		me, Sodium Hypochlori				nd
	•	m Chloride. Fluoride di			•	
	•			•		
	***		1.0			
	-	gnificant expenses inc	urred to?			
		all required equipment				
		air required equipment	_			
	[ ] Kepi	ace required equipment	•			
	Please prov	ide a brief description	and a bre	akdown of	monetary expenses	s incurred
	Provide det	ails on the notices sub	mitted in a	accordance	with subsection 18	(1) of the Safe
	<b>Drinking-W</b>	ater Act or section 16	-4 of Sche	dule 16 of	O.Reg.170/03 and r	eported to
	Spills Action		<b>.</b>	T		
	Incident	Parameter	Result	Unit of	<b>Corrective Action</b>	Corrective
	Date July 8/14	Total Coliform	1	Measure cfu/100ml	Resample	Action Date July 8/14
	July 0/14	I Diai Comonii	1	CIU/ I OUIIII	I INCSAIIIPIC	July 0/14

cfu/100ml

Resample

Total Coliform

Aug 5/14

Aug 8/14

# Ontario Drinking-Water Systems Regulation O. Reg. 170/03

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 #) cfu/100 mL	Range of Total Coliform Results (min #)-(max #) cfu/100 mL	Number of HPC Samples	Range of HPC Results (min #)-(max #) cfu/100 mL
Raw	54	0-9	8-67		
Treated	54	0	0	54	0-7
Distribution	168	0	0 -5	55	0-1

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

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	Number of Grab Samples	Range of Results (min #)-(max #)	Geometric Average
Turbidity	8760	0.07-0.24 NTU	0.10 NTU
Chlorine	8760	1.12-2.07 mg/L	1.48 mg/L
Fluoride (If the			
DWS provides			
fluoridation)			

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

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

MDL = Method Detection Limit

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

Date of legal instrument issued	Parameter	Date Sampled	Result	Unit of Measure

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

Parameter	Sample Date	Result Value	Unit of Measure	Exceedance
Antimony	April 14/14	0.02 <mdl< th=""><th>ug/L</th><th>No</th></mdl<>	ug/L	No
Arsenic	April 14/14	0.2 <mdl< th=""><th>ug/L</th><th>No</th></mdl<>	ug/L	No
Barium	April 14/14	13.2	ug/L	No
Boron	April 14/14	5.7	ug/L	No
Cadmium	April 14/14	0.004 <mdl< th=""><th>ug/L</th><th>No</th></mdl<>	ug/L	No
Chromium	April 14/14	0.53	ug/L	No
*Lead	April 14/14	0.12	ug/L	No
Mercury	April 14/14	0.01 <mdl< th=""><th>ug/L</th><th>No</th></mdl<>	ug/L	No
Selenium	April 14/14	1 <mdl< th=""><th>ug/L</th><th>No</th></mdl<>	ug/L	No
Sodium	April 14/14	12.5	mg/L	No
Uranium	April 14/14	0.013	ug/L	No
Fluoride	April 14/14	0.06 <mdl< th=""><th>mg/L</th><th>No</th></mdl<>	mg/L	No
Nitrite	January 13/14	0.003 <mdl< th=""><th>mg/L</th><th>No</th></mdl<>	mg/L	No
Nitrate	January 13/14	0.126	mg/L	No
Nitrite	April 14/14	0.003 <mdl< th=""><th>mg/L</th><th>No</th></mdl<>	mg/L	No

Nitrate	April 14/14	0.147	mg/L	No
Nitrite	July 02/14	0.003 <mdl< th=""><th>mg/L</th><th>No</th></mdl<>	mg/L	No
Nitrate	July 02/14	0.109	mg/L	No
Nitrite	Oct 20/14	0.003 <mdl< th=""><th>mg/L</th><th>No</th></mdl<>	mg/L	No
Nitrate	Oct 20/14	0.079	mg/L	No

<sup>\*</sup>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 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	0		
Distribution	2	0.11 -0.17 ug/L	0

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

Parameter	Sample	Result	Unit of	Exceedance
	Date	Value	Measur	Executation
			e	
Alachlor	April 14/14	0.02 <mdl< th=""><th>ug/L</th><th>No</th></mdl<>	ug/L	No
Aldicarb	April 14/14	0.01 <mdl< th=""><th>ug/L</th><th>No</th></mdl<>	ug/L	No
Aldrin + Dieldrin	April 14/14	0.01 <mdl< th=""><th>ug/L</th><th>No</th></mdl<>	ug/L	No
Atrazine + N-dealkylated metobolites	April 14/14	0.01 <mdl< th=""><th>ug/L</th><th>No</th></mdl<>	ug/L	No
Azinphos-methyl	April 14/14	0.02 <mdl< th=""><th>ug/L</th><th>No</th></mdl<>	ug/L	No
Bendiocarb	April 14/14	0.01 <mdl< th=""><th>ug/L</th><th>No</th></mdl<>	ug/L	No
Benzene	April 14/14	0.32 <mdl< th=""><th>ug/L</th><th>No</th></mdl<>	ug/L	No
Benzo(a)pyrene	April 14/14	0.004 <mdl< th=""><th>ug/L</th><th>No</th></mdl<>	ug/L	No
Bromoxynil	April 14/14	0.33 <mdl< th=""><th>ug/L</th><th>No</th></mdl<>	ug/L	No
Carbaryl	April 14/14	0.01 <mdl< th=""><th>ug/L</th><th>No</th></mdl<>	ug/L	No
Carbofuran	April 14/14	0.01 <mdl< th=""><th>ug/L</th><th>No</th></mdl<>	ug/L	No
Carbon Tetrachloride	April 14/14	0.16 <mdl< th=""><th>ug/L</th><th>No</th></mdl<>	ug/L	No
Chlordane (Total)	April 14/14	0.01 <mdl< th=""><th>ug/L</th><th>No</th></mdl<>	ug/L	No
Chlorpyrifos	April 14/14	0.02 <mdl< th=""><th>ug/L</th><th>No</th></mdl<>	ug/L	No
Cyanazine	April 14/14	0.03 <mdl< th=""><th>ug/L</th><th>No</th></mdl<>	ug/L	No
Diazinon	April 14/14	0.02 <mdl< th=""><th>ug/L</th><th>No</th></mdl<>	ug/L	No
Dicamba	April 14/14	0.20 <mdl< th=""><th>ug/L</th><th>No</th></mdl<>	ug/L	No
1,2-Dichlorobenzene	April 14/14	0.41 <mdl< th=""><th>ug/L</th><th>No</th></mdl<>	ug/L	No
1,4-Dichlorobenzene	April 14/14	0.36 <mdl< th=""><th>ug/L</th><th>No</th></mdl<>	ug/L	No
Dichlorodiphenyltrichloroethane (DDT) +	April 14/14		ug/L	No
metabolites		0.01 <mdl< th=""><th></th><th></th></mdl<>		
1,2-Dichloroethane	April 14/14	0.35 <mdl< th=""><th>ug/L</th><th>No</th></mdl<>	ug/L	No
1,1-Dichloroethylene	April 14/14		ug/L	No
(vinylidene chloride)		0.33 <mdl< th=""><th></th><th></th></mdl<>		
Dichloromethane	April 14/14	0.35 <mdl< th=""><th>ug/L</th><th>No</th></mdl<>	ug/L	No
2-4 Dichlorophenol	April 14/14	0.15 <mdl< th=""><th>ug/L</th><th>No</th></mdl<>	ug/L	No

# Ontario Drinking-Water Systems Regulation O. Reg. 170/03

2,4-Dichlorophenoxy acetic acid (2,4-D)	April 14/14	0.19 <mdl< th=""><th>ug/L</th><th>No</th></mdl<>	ug/L	No
Diclofop-methyl	April 14/14	0.40 <mdl< th=""><th>ug/L</th><th>No</th></mdl<>	ug/L	No
Dimethoate	April 14/14	0.03 <mdl< th=""><th>ug/L</th><th>No</th></mdl<>	ug/L	No
Dinoseb	April 14/14	0.36 <mdl< th=""><th>ug/L</th><th>No</th></mdl<>	ug/L	No
Diquat	April 14/14	1 <mdl< th=""><th>ug/L</th><th>No</th></mdl<>	ug/L	No
Diuron	April 14/14	0.03 <mdl< th=""><th>ug/L</th><th>No</th></mdl<>	ug/L	No
Glyphosate	April 14/14	6 <mdl< th=""><th>ug/L</th><th>No</th></mdl<>	ug/L	No
Heptachlor + Heptachlor Epoxide	April 14/14	0.01 <mdl< th=""><th>ug/L</th><th>No</th></mdl<>	ug/L	No
Lindane (Total)	April 14/14	0.01 <mdl< th=""><th>ug/L</th><th>No</th></mdl<>	ug/L	No
Malathion	April 14/14	0.02 <mdl< th=""><th>ug/L</th><th>No</th></mdl<>	ug/L	No
Methoxychlor	April 14/14	0.01 <mdl< th=""><th>ug/L</th><th>No</th></mdl<>	ug/L	No
Metolachlor	April 14/14	0.01 <mdl< th=""><th>ug/L</th><th>No</th></mdl<>	ug/L	No
Metribuzin	April 14/14	0.02 <mdl< th=""><th>ug/L</th><th>No</th></mdl<>	ug/L	No
Monochlorobenzene	April 14/14	0.30 <mdl< th=""><th>ug/L</th><th>No</th></mdl<>	ug/L	No
Paraquat	April 14/14	1 <mdl< th=""><th>ug/L</th><th>No</th></mdl<>	ug/L	No
Parathion	April 14/14	0.02 <mdl< th=""><th>ug/L</th><th>No</th></mdl<>	ug/L	No
Pentachlorophenol	April 14/14	0.15 <mdl< th=""><th>ug/L</th><th>No</th></mdl<>	ug/L	No
Phorate	April 14/14	0.01 <mdl< th=""><th>ug/L</th><th>No</th></mdl<>	ug/L	No
Picloram	April 14/14	1 <mdl< th=""><th>ug/L</th><th>No</th></mdl<>	ug/L	No
Polychlorinated Biphenyls(PCB)	April 14/14	0.04 <mdl< th=""><th>ug/L</th><th>No</th></mdl<>	ug/L	No
Prometryne	April 14/14	0.03 <mdl< th=""><th>ug/L</th><th>No</th></mdl<>	ug/L	No
Simazine	April 14/14	0.01 <mdl< th=""><th>ug/L</th><th>No</th></mdl<>	ug/L	No
THM	Samples	57	ug/L	No
(NOTE: annual average from Distribution	taken:			
System)	Jan 13/14			
	Apr 14/14			
	Jul 02/14			
	Oct 20/14		_	
Temephos	April 14/14	0.01 <mdl< th=""><th>ug/L</th><th>No</th></mdl<>	ug/L	No
Terbufos	April 14/14	0.01 <mdl< th=""><th>ug/L</th><th>No</th></mdl<>	ug/L	No
Tetrachloroethylene	April 14/14	0.35 <mdl< th=""><th>ug/L</th><th>No</th></mdl<>	ug/L	No
2,3,4,6-Tetrachlorophenol	April 14/14	0.14 <mdl< th=""><th>ug/L</th><th>No</th></mdl<>	ug/L	No
Triallate	April 14/14	0.01 <mdl< th=""><th>ug/L</th><th>No</th></mdl<>	ug/L	No
Trichloroethylene	April 14/14	0.44 <mdl< th=""><th>ug/L</th><th>No</th></mdl<>	ug/L	No
2,4,6-Trichlorophenol	April 14/14	0.25 <mdl< th=""><th>ug/L</th><th>No</th></mdl<>	ug/L	No
2,4,5-Trichlorophenoxy acetic acid (2,4,5-T)	April 14/14	0.22 <mdl< th=""><th>ug/L</th><th>No</th></mdl<>	ug/L	No
Trifluralin	April 14/14	0.02 <mdl< th=""><th>ug/L</th><th>No</th></mdl<>	ug/L	No
Vinyl Chloride	April 14/14	0.17 <mdl< th=""><th>ug/L</th><th>No</th></mdl<>	ug/L	No

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

#### **2014 BAYSVILLE WASTEWATER COLLECTION SUMMARY**

#### **New Sewer Mains**

There were no new sewer mains installed.

#### **New Services**

There were no new services installed in 2014.

#### **Sewer Lateral Blockages**

There were no sewer blockages.

#### Main Line Sewer Blockages

There were no main sewer line blockages.

#### **Sewer Forcemains**

No new air relief valves were installed.

#### Air Release Valves

Four air relief valves were inspected in 2014.

#### **Sewer Flushing and Video Inspections**

0 meters of sewer main were flushed and video inspected in 2014.

#### **Sewer Rehabilitation**

No sewer rehabilitation was done in 2014.

#### Locates

Ten locates were requested.

# 1.0 Water Flow Summary - 2014

Month	Total Monthly (m <sup>3</sup> )	Average Day Flow (m³/d)	Maximum Day Flow (m³/d)	Minimum Day Flow (m³/d)	Comments				
January	2,885	93	110	74					
February	2,505	89	116	68					
March	3,832	124	200	64	Represents max. day customer consumption for the year				
April	2,362	79	94	61					
May	3,613	117	160	66					
June	3,981	133	331	80	Planned flushing event - not consumption related				
July	3,712	120	143	99					
August	3,784	122	203	92	Planned flushing event - not consumption related				
September	2,993	100	119	78					
October	3,102	100	298	71	Planned flushing event - not consumption related				
November	2,570	86	149	58					
December	2,405	78	107	49					

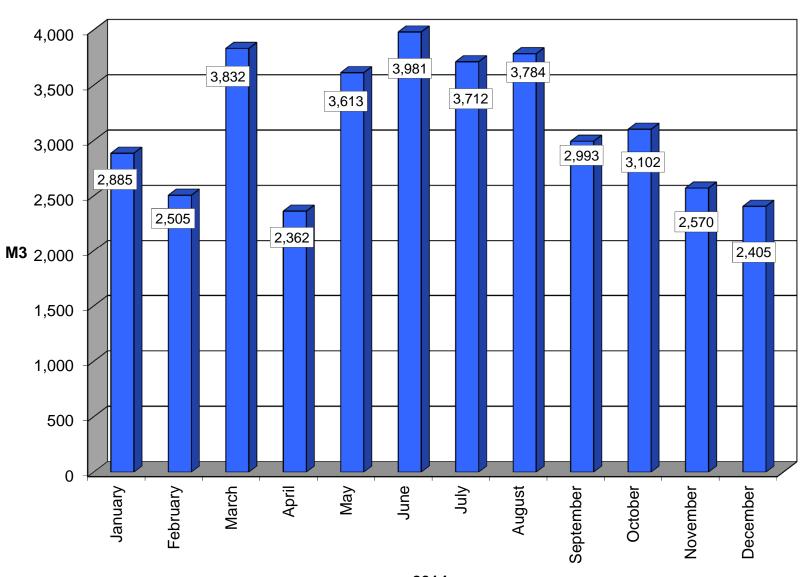
Total 37,746

Average Day 104

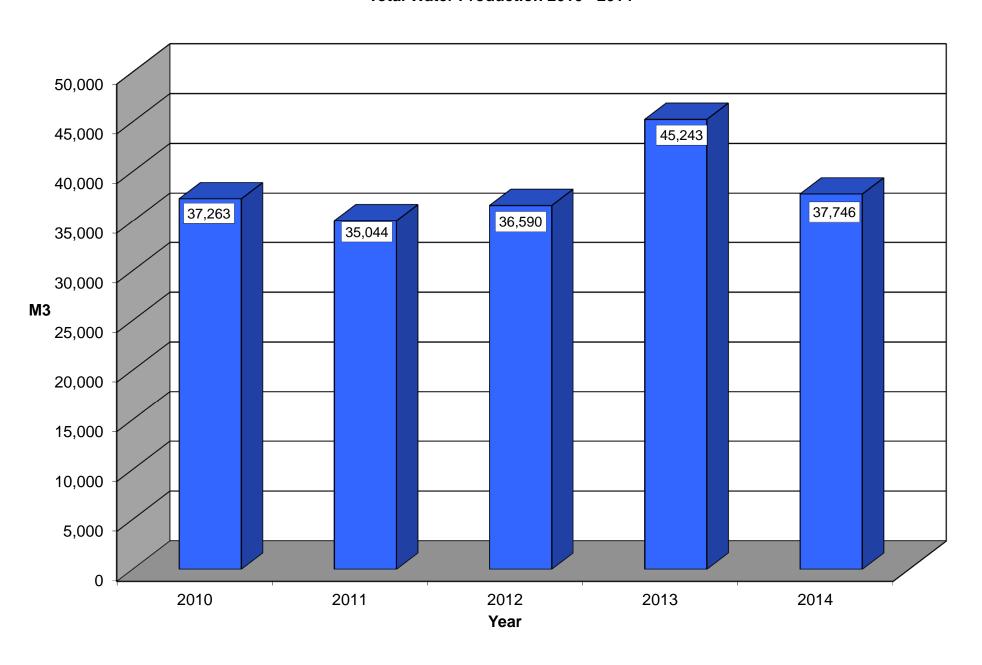
Maximum Day 200

Minimum Day 49

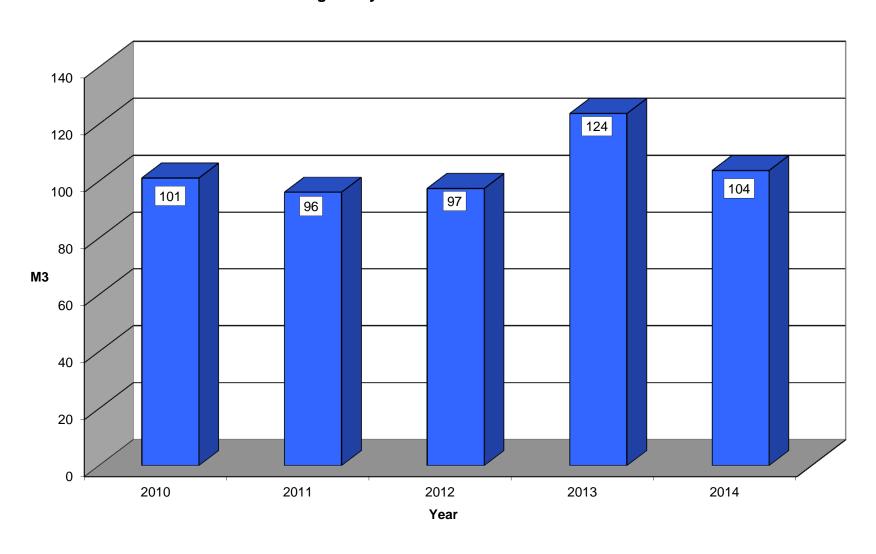
#### District Municipality of Muskoka Baysville Birchglen Water Treatment Plant Monthly Water Production 2014



#### District Municipality of Muskoka Baysville Birchglen Water Treatment Plant Total Water Production 2010 - 2014



### District Municipalityof Muskoka Baysville Birchglen Water Treatment Plant Average Daily Water Production 2010 - 2014



## 2.0 Raw Water Monthly Analysis Summary - 2014

Month	Alkalinity	Hardness	рН	Turbidity	True Colour	Temperature	Conductivity	Langliers Saturation Index	Total Coliform	E-coli	Total Number of Samples
Parameter	mg/l	mg/l	рН	ntu	tcu	Celcius	mg/l		CFU/100ml	CFU/100ml	
January	13	16	6.91	0.25	13	6.3	33.6	-2.7	44	0	5
February	15	19	6.59	0.23	15	5.8	34.7	-3.0	8	0	4
March	16	20	6.66	0.25	18	5.1	34.1	-2.8	27	0	5
April	20	24	6.49	0.27	20	5.1	31.7	-2.7	94	1	4
Мау	10	9	6.82	0.25	17	6.7	32.4	-2.5	60	1	4
June	10	10	6.98	0.36	18	14.4	30.9	-2.9	21	1	4
July	12	10	6.96	0.45	17	18.7	30.3	-2.7	29	7	5
August	10	11	6.86	0.51	21	19.5	31.9	-2.9	47	8	5
September	9	9	6.96	0.41	22	17.7	31.3	-2.8	67	9	5
October	12	15	6.82	0.27	15	14.1	30.5	-2.7	62	6	4
November	13	18	6.88	0.24	13	10.4	31.6	-2.6	62	7	4
December	13	22	6.85	0.24	13	7.2	31.2	-2.6	42	3	5
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Average	13	15	6.82	0.31	17	10.9	32.0	-2.7	47	4	54

#### 4.0 Treated Water Monthly Analysis Summary - 2014

				Turbidity						Chlorine				Langliers	Total		Total		Total
Month	Alkalinity	Hardness	рН	Average	High	Low	TRUE	Iron	Manganese	Free	High	Low	Cond.	Saturation	Coliforms	E-coli	Number of	HPC	Number of
							Colour							Index			Samples		Samples
Parameter	mg/l	mg/l	рН	ntu	ntu	ntu	tcu	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l		CFU/100ml	CFU/100ml		CFU/1ml	
		-							-		-								
January	42	41	7.42	0.10	0.24	0.07	0			1.38	1.53	1.14	115.6	-1.2	0	0	5	0	5
February	44	42	7.33	0.09	0.11	0.08	0			1.44	1.69	1.04	115.2	-1.3	0	0	4	0	4
March	44	40	7.32	0.09	0.11	0.07	0			1.39	1.57	1.25	114.7	-1.4	0	0	5	0	5
April	43	40	7.48	0.08	0.10	0.07	0			1.49	1.66	1.25	109.9	-1.2	0	0	4	0	4
May	39	37	7.99	0.10	0.16	0.08	0			1.54	1.78	1.35	100.2	-0.7	0	0	4	0	4
June	36	28	7.85	0.09	0.21	0.06	1			1.47	1.75	1.21	89.9	-1.0	0	0	4	0	4
July	36	30	7.64	0.10	0.16	0.08	0			1.35	1.50	1.22	92.5	-1.1	0	0	5	0-1	5
August	37	31	7.81	0.11	0.14	0.08	1			1.41	1.68	1.12	91.8	-0.9	0	0	5	0-1	5
September	31	29	7.97	0.10	0.12	0.08	0			1.52	1.75	1.17	90.1	-0.8	0	0	5	0-1	5
October	32	33	7.54	0.11	0.14	0.09	0			1.70	2.07	1.48	91.5	-1.2	0	0	4	0	4
November	33	39	7.30	0.10	0.16	0.08	0			1.68	1.82	1.52	94.6	-1.4	0	0	4	0	4
December	37	41	7.24	0.08	0.15	0.08	0			1.41	1.57	1.22	100.5	-1.4	0	0	5	7	5
Average	38	36	7.57	0.10	0.15	0.08	0.14			1.48	1.70	1.25	100.5	-1.1	0	0	54	1	54

#### District of Muskoka - Baysville WTP 260071435 7.0 DISTRIBUTION SAMPLING SUMMARY - 2014 Regulation Regirements

Parameter	I.D.						DW BV 4 Fairy Falls Sample Station	DW BV 4 Fairy Falls Sample Station	DW BV 3 Baysville Distribution	DW BV 4 Fairy Falls Sample Station					
DDW	Units	MAC	Half MAC	AO/OG	RDL	MDL	Jan 13/14 10:15	Apr 14/14 11:30	Jul 02/14 12:15	Oct 20/14 10:45	Average	Max			
Trihalomethanes Total	μg/L	100	50	1	10	0.37	42	42	67	78	57				
Lead	μg/L	10	5	-	2	0.01	0.17	0.11							
MAC - Maximum	MAC - Maximum Acceptable Concentration Half MAC - Half of the Maximum Acceptable Concentration														
OG - Operational (	Guideline							AO - Aesthetic Objective							
RDL - MOE Require	d Reporti	ng Detec	tion Limit					MDL - SGS Canada Inc. Method Detection Limit.							

# 10.0 Adverse Water Quality Summary - 2014

	Sample		1-1-15 #	1	B	Result	Man / Inner	0
	Date	Time	Lab ID #	Location	Parameter	CFU/100ml	Mac / Imac	Comments
1	Jul 8 2014	11:45	CA16329	Heney Lk Rd	Total Coliform	5	1	Resamples Clear. AWQI # 118734
R1	Jul 10 2014	12:30	CA16749	Dickie St SS		0/0		
R2		12:15		Fairy Falls		0/0		
R3		13:00		Heney Lk Rd		0/0		
-								
	Sam	ple	Lab ID#	Location	Parameter	Result	Mac / Imac	Comments
	Date	Time	Lab ID #	Location	1 diameter	Result	Wac / Illiac	oonments .
	T		T =		T	_	1	D
2	Aug 8 2014	10:35	CA17518	Dickie Street	T/C	3	1.00	Resamples Clear. AWQI # 119446
R1	Aug 12 /14	15:00	CA16267	Dickie Street		0/0		
R2	Aug 12 /14	15:10		Fairy Falls		0/0		
R3	Aug 12 /14	15:15		Heney Lake RD SS		0/0		
	Com	mla.						
	Sam Date	Die Time	Lab ID #	Location	Parameter	Result	Mac / Imac	Comments
	Date	Tillie						
3								
R1								
R2								
R3								
	Sample		Lab ID#	Location	Parameter	Result	Mac / Imac	Comments
	Date	Time		200411011	T dramoto:	- Hoodil	mas, mas	Commente
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R1						+		
R2 R3						+		
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