

## 2014 ANNUAL REPORT FOR WATER SYSTEMS

### Part 1 – ANNUAL REPORT (as required by O. Reg. 170/03, Section 11)

<b>Drinking-Water System Number:</b>	210000577
<b>Drinking-Water System Name:</b>	Mitchell Drinking Water System
<b>Drinking-Water System Owner:</b>	Municipality of West Perth
<b>Drinking-Water System Category:</b>	Large Municipal Residential
<b>Period being reported:</b>	Operating year 2014

Complete if your Category is Large Municipal Residential or Small Municipal Residential	Complete for all other Categories	
Does your Drinking-Water System serve more than 10,000 people? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Number of Designated Facilities served:	N/A
Is your annual report available to the public at no charge on a web site on the Internet? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Did you provide a copy of your annual report to all Designated Facilities you serve?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Location where Summary Report required under O. Reg. 170/03 Schedule 22 will be available for inspection. Municipal Office, Mitchell Public Library and Municipality of West Perth Website	Number of Designated Facilities served:	N/A
	Did you provide a copy of your annual report to all Interested Authorities you report to for each Designated Facility?	<input type="checkbox"/> Yes <input type="checkbox"/> 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	

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

<input checked="" type="checkbox"/> Public access/notice via the web	<input checked="" type="checkbox"/> Public access/notice via Government Office	<input type="checkbox"/> Public access/notice via a newspaper
<input checked="" type="checkbox"/> Public access/notice via Public Request	<input checked="" type="checkbox"/> Public access/notice via a Public Library	<input type="checkbox"/> Public access/notice via Other Method

#### Describe your Drinking Water System

Mitchell currently obtains its water supply from 4 bedrock wells. There are two treatment facilities; Treatment 123 and Treatment 4. Treatment 123 obtains disinfection through 2 chlorine dosing pumps, 1 used as primary and the other as backup. Disinfection at Treatment 4 (T4) is provided by injecting a mixed-oxidant solution (primarily comprised of "Chlorine compounds") into the pumped well water, before it enters the distribution system. The mixed oxidant solution is generated using on-site equipment that was installed at Treatment 4 in 2007. This oxidant solution is added to disinfect the pumped well water and to maintain the chlorine residual in the distribution network. In addition to the disinfection process, a sodium silicate food grade chemical is injected into the pumped well water to sequester dissolved iron (i.e., to help prevent oxidation of iron and other dissolved metals

that are naturally present in the water, as this can lead to “red” water appearance and staining of household fixtures and laundry, an aesthetic problem). Sodium silicate is approved for use in drinking water.

Treated water from Wells # 1, 2, 3 discharge chlorinated water into a baffled 138m<sup>3</sup> concrete ground-level reservoir which flows into a 190m<sup>3</sup> concrete ground level reservoir located at 132 St. George St. which is identified as Treatment 123.

Treated water is drawn from that reservoir, using high-lift pumps, and discharged into the distribution system.

Treated water from Well # 4 discharges into baffled 250 m<sup>3</sup> reservoir located at 50 Arthur St. and is identified as Treatment 4.

Treated water is drawn from the reservoir using a high lift pump and discharged into the system.

Treatment 123 or Treatment 4 both operate as independent systems. Either system can be in the lead mode with the other system as a backup or in second mode to handle high peak demand.

The 3520m<sup>3</sup> elevated storage facility (standpipe) provides system water storage and sustains pressure in the distribution system. A booster pump located at the base of the standpipe, is used during emergency situations (e.g., fires), when the standpipe liquid level drops below that needed to sustain desired system flows and pressures under such circumstances.

The Mitchell water works currently services a population of approximately 4,000.

**List all water treatment chemicals used over this reporting period**

Mixed Oxidant solution produced onsite (NSF)  
 Liquid Chlorine 12% - NSF  
 Sodium Silicate - NSF

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

No projects this reporting period

**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	Corrective Action	Corrective Action Date
Jun 9, 2014	Low Cl2		Dist. Residuals taken, sampled dist. System.	Jun13, 2014

**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 Results (min #) - (max #)	Range of Total Coliform Results (min #) - (max #)	Number of HPC Samples	Range of HPC Results (min #) - (max #)
Raw Well #1	39	0	0	N/A	N/A
Raw Well #2	52	0	0	N/A	N/A
Raw Well #3	51	0	0	N/A	N/A
Raw Well #4	53	0	0	N/A	N/A
POE #123	52	0	0	52	0-2
POE #4	53	0	0	52	0-6
Distribution	213	0	0	53	0-180

**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 #)	Units
Turbidity Raw Well #1	12	0.15-0.52	NTU
Turbidity Raw Well #2	12	0.13-0.38	NTU
Turbidity Raw Well #3	12	0.07-0.45	NTU
Turbidity Raw Well #4	12	0.15-0.80	NTU
Chlorine-POE 123 Continuous Monitoring	8760	0.00 – 2.16	mg/L
Chlorine-POE 4 Continuous Monitoring	8760	0.00 – 2.05	mg/L
Fluoride	2	1.8-1.9	mg/L

**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
N/A				

**Treatment 123**

**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	Apr. 2 2012	ND	µg/L	No
Arsenic	Apr. 2 2012	3	µg/L	No
Barium	Apr. 2 2012	57	µg/L	No
Boron	Apr. 2 2012	130	µg/L	No
Cadmium	Apr. 2 2012	ND	µg/L	No
Chromium	Apr. 2 2012	ND	µg/L	No
Lead-see results below				
Mercury	Apr. 2 2012	ND	µg/L	No
Selenium	Apr. 2 2012	ND	µg/L	No
Sodium	Nov. 20 2013	43	mg/L	Yes
Uranium	Apr. 2 2012	ND	µg/L	No
Fluoride	Dec. 10 2012	1.99	mg/L	Yes
Nitrite	Jan. 7 2013	ND	µg/L	No
Nitrate	Jan. 7 2013	ND	µg/L	No
Nitrite	April 8 2013	ND	µg/L	No
Nitrate	April 8 2013	ND	µg/L	No
Nitrite	July 15 2013	<0.01	µg/L	No
Nitrate	July 15 2013	<0.1	µg/L	No
Nitrite	October 7 2013	<0.01	µg/L	No
Nitrate	October 7 2013	<0.1	µg/L	No

ND = Not detected

**Treatment 4**

**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	Dec. 02 2013	ND	µg/L	No
Arsenic	Dec. 02 2013	1.7	µg/L	No
Barium	Dec. 02 2013	57	µg/L	No
Boron	Dec. 02 2013	120	µg/L	No
Cadmium	Dec. 02 2013	ND	µg/L	No
Chromium	Dec. 02 2013	ND	µg/L	No
Lead-see results below				
Mercury	Dec 02, 2013	ND	µg/L	No
Selenium	Dec 02, 2013	ND	µg/L	No
Sodium	Dec 02, 2013	49	mg/L	Yes

Uranium	Dec 02, 2013	0.2	µg/L	No
Fluoride	Dec 08, 2014	1.9	mg/L	Yes
Nitrite	Jan. 06 2014	ND	µg/L	No
Nitrate	Jan 06, 2014	ND	µg/L	No
Nitrite	Apr 07, 2014	ND	µg/L	No
Nitrate	Apr 07, 2014	ND	µg/L	No
Nitrite	Jul 14, 2014	ND	µg/L	No
Nitrate	Jul 14, 2014	ND	µg/L	No
Nitrite	Oct 06, 2014	ND	µg/L	No
Nitrate	Oct 06, 2014	ND	µg/L	No

Note: Results for Sodium are from corrective actions taken after adverse notification.

N/D = Not detected

Summary of Lead Results during this reporting period (Winter: Dec. 15/13-April 15/14; Summer: June 15-Oct. 15/14)				
Sampling Period	Range of Results (mg/L) from Residential Samples	Non-residential locations	Distribution System mg/L	Any Adverse Water Quality Incidents?
Feb 10, 2014			Well #3 SS (Alkalinity) 200	N
Feb 10, 2014			James St. (Alkalinity) 220	N
Feb 10, 2014			Arena (Alkalinity) 210	N
Jun 23, 2014			Well #3 SS (Alkalinity) 210	N
Jun 23, 2014			James St. (Alkalinity) 210	N
Jun 23, 2014			Arena (Alkalinity) 220	N

ND: Non-detect

### Point of Entry 123

Summary of Organic parameters tested during this reporting period or the most recent sample results				
Parameter	Sample Date	Result Value	Unit of Measure	Exceedance
Alachlor	Apr. 2 2012	ND	µg/L	No
Aldicarb	Apr. 2 2012	ND	µg/L	No
Aldrin + Dieldrin	Apr. 2 2012	ND	µg/L	No
Atrazine + N-dealkylated metabolites	Apr. 2 2012	ND	µg/L	No
Azinphos-methyl	Apr. 2 2012	ND	µg/L	No
Bendiocarb	Apr. 2 2012	ND	µg/L	No
Benzene	Apr. 2 2012	ND	µg/L	No
Benzo(a)pyrene	Apr. 2 2012	ND	µg/L	No
Bromoxynil	Apr. 2 2012	ND	µg/L	No
Carbaryl	Apr. 2 2012	ND	µg/L	No
Carbofuran	Apr. 2 2012	ND	µg/L	No
Carbon Tetrachloride	Apr. 2 2012	ND	µg/L	No
Chlordane (Total)	Apr. 2 2012	ND	µg/L	No
Chlorpyrifos	Apr. 2 2012	ND	µg/L	No
Cyanazine	Apr. 2 2012	ND	µg/L	No
Diazinon	Apr. 2 2012	ND	µg/L	No
Dicamba	Apr. 2 2012	ND	µg/L	No
1,2-Dichlorobenzene	Apr. 2 2012	ND	µg/L	No
1,4-Dichlorobenzene	Apr. 2 2012	ND	µg/L	No
Dichlorodiphenyltrichloroethane (DDT) + metabolites	Apr. 2 2012	ND	µg/L	No
1,2-Dichloroethane	Apr. 2 2012	ND	µg/L	No
1,1-Dichloroethylene (vinylidene chloride)	Apr. 2 2012	ND	µg/L	No
Dichloromethane	Apr. 2 2012	ND	µg/L	No
2-4 Dichlorophenol	Apr. 2 2012	ND	µg/L	No

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

2,4-Dichlorophenoxy acetic acid (2,4-D)	Apr. 2 2012	ND	µg/L	No
Diclofop-methyl	Apr. 2 2012	ND	µg/L	No
Dimethoate	Apr. 2 2012	ND	µg/L	No
Dinoseb	Apr. 2 2012	ND	µg/L	No
Diquat	Apr. 2 2012	ND	µg/L	No
Diuron	Apr. 2 2012	ND	µg/L	No
Glyphosate	Apr. 2 2012	ND	µg/L	No
Heptachlor + Heptachlor Epoxide	Apr. 2 2012	ND	µg/L	No
Lindane (Total)	Apr. 2 2012	ND	µg/L	No
Malathion	Apr. 2 2012	ND	µg/L	No
Methoxychlor	Apr. 2 2012	ND	µg/L	No
Metolachlor	Apr. 2 2012	ND	µg/L	No
Metribuzin	Apr. 2 2012	ND	µg/L	No
Monochlorobenzene	Apr. 2 2012	ND	µg/L	No
Paraquat	Apr. 2 2012	ND	µg/L	No
Parathion	Apr. 2 2012	ND	µg/L	No
Pentachlorophenol	Apr. 2 2012	ND	µg/L	No
Phorate	Apr. 2 2012	ND	µg/L	No
Picloram	Apr. 2 2012	ND	µg/L	No
Polychlorinated Biphenyls(PCB)	Apr. 2 2012	ND	µg/L	No
Prometryne	Apr. 2 2012	ND	µg/L	No
Simazine	Apr. 2 2012	ND	µg/L	No
THM (NOTE: show latest annual average)	Q1-Q4 2014	23.4	µg/L	No
Temephos	Apr. 2 2012	ND	µg/L	No
Terbufos	Apr. 2 2012	ND	µg/L	No
Tetrachloroethylene	Apr. 2 2012	ND	µg/L	No
2,3,4,6-Tetrachlorophenol	Apr. 2 2012	ND	µg/L	No
Triallate	Apr. 2 2012	ND	µg/L	No
Trichloroethylene	Apr. 2 2012	ND	µg/L	No
2,4,6-Trichlorophenol	Apr. 2 2012	ND	µg/L	No
2,4,5-Trichlorophenoxy acetic acid (2,4,5-T)	Apr. 2 2012	ND	µg/L	No
Trifluralin	Apr. 2 2012	ND	µg/L	No
Vinyl Chloride	Apr. 2 2012	ND	µg/L	No

ND= non-detect

**Point of Entry 4**

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

Parameter	Sample Date	Result Value	Unit of Measure	Exceedance
Alachlor	Dec. 02 2013	ND	µg/L	No
Aldicarb	Dec. 02 2013	ND	µg/L	No
Aldrin + Dieldrin	Dec. 02 2013	ND	µg/L	No
Atrazine + N-dealkylated metabolites	Dec. 02 2013	ND	µg/L	No
Azinphos-methyl	Dec. 02 2013	ND	µg/L	No

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

Bendiocarb	Dec. 02 2013	ND	µg/L	No
Benzene	Dec. 02 2013	ND	µg/L	No
Benzo(a)pyrene	Dec. 02 2013	ND	µg/L	No
Bromoxynil	Dec. 02 2013	ND	µg/L	No
Carbaryl	Dec. 02 2013	ND	µg/L	No
Carbofuran	Dec. 02 2013	ND	µg/L	No
Carbon Tetrachloride	Dec. 02 2013	ND	µg/L	No
Chlordane (Total)	Dec. 02 2013	ND	µg/L	No
Chlorpyrifos	Dec. 02 2013	ND	µg/L	No
Cyanazine	Dec. 02 2013	ND	µg/L	No
Diazinon	Dec. 02 2013	ND	µg/L	No
Dicamba	Dec. 02 2013	ND	µg/L	No
1,2-Dichlorobenzene	Dec. 02 2013	ND	µg/L	No
1,4-Dichlorobenzene	Dec. 02 2013	ND	µg/L	No
Dichlorodiphenyltrichloroethane (DDT) + metabolites	Dec. 02 2013	ND	µg/L	No
1,2-Dichloroethane	Dec. 02 2013	ND	µg/L	No
1,1-Dichloroethylene (vinylidene chloride)	Dec. 02 2013	ND	µg/L	No
Dichloromethane	Dec. 02 2013	ND	µg/L	No
2-4 Dichlorophenol	Dec. 02 2013	ND	µg/L	No
2,4-Dichlorophenoxy acetic acid (2,4-D)	Dec. 02 2013	ND	µg/L	No
Diclofop-methyl	Dec. 02 2013	ND	µg/L	No
Dimethoate	Dec. 02 2013	ND	µg/L	No
Dinoseb	Dec. 02 2013	ND	µg/L	No
Diquat	Dec. 02 2013	ND	µg/L	No
Diuron	Dec. 02 2013	ND	µg/L	No
Glyphosate	Dec. 02 2013	ND	µg/L	No
Heptachlor + Heptachlor Epoxide	Dec. 02 2013	ND	µg/L	No
Lindane (Total)	Dec. 02 2013	ND	µg/L	No
Malathion	Dec. 02 2013	ND	µg/L	No
Methoxychlor	Dec. 02 2013	ND	µg/L	No
Metolachlor	Dec. 02 2013	ND	µg/L	No
Metribuzin	Dec. 02 2013	ND	µg/L	No
Monochlorobenzene	Dec. 02 2013	ND	µg/L	No
Paraquat	Dec. 02 2013	ND	µg/L	No
Parathion	Dec. 02 2013	ND	µg/L	No
Pentachlorophenol	Dec. 02 2013	ND	µg/L	No
Phorate	Dec. 02 2013	ND	µg/L	No
Picloram	Dec. 02 2013	ND	µg/L	No
Polychlorinated Biphenyls(PCB)	Dec. 02 2013	ND	µg/L	No
Prometryne	Dec. 02 2013	ND	µg/L	No
Simazine	Dec. 02 2013	ND	µg/L	No
THM (NOTE: show latest annual average)	Q1-Q4 2014	23.4	µg/L	No
Temephos	Dec. 02 2013	ND	µg/L	No
Terbufos	Dec. 02 2013	ND	µg/L	No
Tetrachloroethylene	Dec. 02 2013	ND	µg/L	No
2,3,4,6-Tetrachlorophenol	Dec. 02 2013	ND	µg/L	No
Triallate	Dec. 02 2013	ND	µg/L	No
Trichloroethylene	Dec. 02 2013	ND	µg/L	No
2,4,6-Trichlorophenol	Dec. 02 2013	ND	µg/L	No

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

2,4,5-Trichlorophenoxy acetic acid (2,4,5-T)	Dec. 02 2013	ND	µg/L	No
Trifluralin	Dec. 02 2013	ND	µg/L	No
Vinyl Chloride	Dec. 02 2013	ND	µg/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	Sample Date	Result Value	Unit of Measure	ODWS Criteria
Flouride (T123)	Dec 8, 2014	1.8	mg/L	1.5
Flouride (T4)	Dec 8, 2014	1.9	mg/L	1.5

**Part 2 – SUMMARY REPORT (as required by O. Reg. 170/03, Schedule 22)**

**Non-Compliance with Legislations, Regulations, Approvals & Orders**

During this period, the Facility was operated in full compliance with the Act, the regulations and the Facility's approval, save and except for the following:

June 9, 2014 it was recorder on our SCADA data that residuals fell below the required CT value. The alarm system did not call out.

**Actions Required:** Distribution residuals taken throughout dist. System and samples taken. A review of our WIN911 alarm system and addition of new alarms by SCADA tech.

**Well #1**

**System Capability Assessment**

Comparison of Flow Rates (raw flow; m<sup>3</sup>):

Month	Average Daily Flow	Maximum Daily Flow	*Max flow (L/min)
January	13.60	143.00	1038.60
February	41.10	351.00	1022.40
March	12.00	49.00	1008.00
April	83.10	292.00	1008.60
May	43.90	220.00	937.80
June	4.70	41.00	908.40
July	1.10	21.00	1700.40
August	0	0	0
September	0	0	0
October	0.70	9.00	2757.60
November	0.50	6	2528.40
December	0.50	4.00	1569.60
<b>*MAXIMUM</b>	<b>N/A</b>	<b>351.00</b>	<b>2757.60</b>
<b>AVERAGE</b>	<b>13.39</b>	<b>94.70</b>	<b>1206.65</b>
<b>PTTW</b>	<b>N/A</b>	<b>2617.92</b>	<b>1818</b>
<b>% of PTTW MAX</b>	<b>-</b>	<b>13.41%</b>	<b>151.68%</b>
<b>% of PTTW AVG</b>	<b>-</b>	<b>3.62%</b>	<b>66.37%</b>

### Well #2

<b>System Capability Assessment</b>			
Comparison of Flow Rates (raw flow; m <sup>3</sup> ):			
Month	Average Daily Flow	Maximum Daily Flow	*Max flow (L/min)
January	0	0	0
February	20.85	542.00	2065.2
March	0	0	0
April	0	0	0
May	0	0	0
June	1.47	41.01	1989.6
July	7.52	73.99	2004.6
August	4.52	59.01	2030.4
September	39.97	375.98	2033.4
October	.16	5.00	2023.8
November	0.0	1.00	0
December	0	0	0
<b>*MAXIMUM</b>	<b>N/A</b>	<b>542.0</b>	<b>2065.2</b>
<b>AVERAGE</b>	<b>6.21</b>	<b>91.50</b>	<b>1012.25</b>
<b>PTTW</b>	<b>N/A</b>	<b>3024</b>	<b>2100</b>
<b>% of PTTW MAX</b>	<b>-</b>	<b>17.92%</b>	<b>98.34%</b>
<b>% of PTTW AVG</b>	<b>-</b>	<b>3.03%</b>	<b>48.2%</b>

### Well #3

<b>System Capability Assessment</b>			
Comparison of Flow Rates (raw flow; m <sup>3</sup> ):			
Month	Average Daily Flow	Maximum Daily Flow	*Max flow (L/min)
January	962.57	2527.90	2908.2
February	488.36	2709.98	2801.4
March	1442.5	2804.00	2809.2
April	1101.00	2925.97	2821.8
May	1243.48	331.01	2821.2
June	1328.10	3855.99	2816.4
July	1109.31	4733.02	2814.0
August	1092.45	2911.00	2817.6
September	1124.23	2663.01	2828.4
October	868.0	2077.00	2827.2
November	941.0	2156.00	2817.0
December	931.1	2121.00	2816.4
<b>*MAXIMUM</b>	<b>N/A</b>	<b>4733.02</b>	<b>2908.2</b>
<b>AVERAGE</b>	<b>1052.68</b>	<b>2651.32</b>	<b>2824.9</b>
<b>PTTW</b>	<b>N/A</b>	<b>3900.0</b>	<b>2880.0</b>
<b>% of PTTW MAX</b>	<b>-</b>	<b>121.36%</b>	<b>100.98%</b>
<b>% of PTTW AVG</b>	<b>-</b>	<b>67.98%</b>	<b>98.09%</b>



## Well #4

<b>System Capability Assessment</b>			
Comparison of Flow Rates (raw flow; m <sup>3</sup> ):			
Month	Average Daily Flow	Maximum Daily Flow	*Max flow (L/min)
January	1259.4	2822.00	4203.6
February	1657.75	2674.00	4263.6
March	989.77	2734.00	4932.0
April	1209.03	2968.00	4265.4
May	1164.29	3792.00	4787.4
June	1290.60	2720.00	5157.6
July	1310.76	2616.00	4294.8
August	1140.61	2727.00	5136.0
September	1116.30	2406.00	5134.2
October	915.7	2251.00	5033.4
November	900.1	2185.00	4231.8
December	931.1	2567.00	4270.2
<b>*MAXIMUM</b>	<b>N/A</b>	<b>2968.00</b>	<b>5294.8</b>
<b>AVERAGE</b>	<b>1157.12</b>	<b>2705.17</b>	<b>4642.5</b>
<b>PTTW</b>	<b>N/A</b>	<b>8640</b>	<b>6000</b>
<b>% of PTTW MAX</b>	<b>-</b>	<b>34.35%</b>	<b>88.25%</b>
<b>% of PTTW AVG</b>	<b>-</b>	<b>31.31%</b>	<b>77.38%</b>

Notes: All max flow data is taken from L/s data from the SCADA system and converted to L/min to coincide with the PTTW.

## Treatment 123

<b>System Capability Assessment</b>		
Comparison of Flow Rates (total treated flow; m <sup>3</sup> /d):		
Month	Average Flow	Maximum Daily Flow
January	932.01	2554.75
February	561.34	2604.96
March	1393.41	2685.92
April	1143.44	2798.78
May	1238.38	3184.43
June	1279.91	2732.63
July	1071.95	4545.23
August	1053.70	2795.38
September	1113.71	2559.26
October	936.05	2167.05
November	913.7	2077.23
December	899.28	2032.04
<b>*AVERAGE</b>	<b>1044.74</b>	<b>N/A</b>
<b>MAXIMUM</b>	<b>N/A</b>	<b>4545.23</b>
<b>SYSTEM CAPACITY</b>	<b>8640</b>	<b>8640</b>
<b>% CAPACITY</b>	<b>12.09%</b>	<b>52.61%</b>

#### Treatment 4

<b>System Capability Assessment</b>		
Comparison of Flow Rates (total treated flow; m <sup>3</sup> /d):		
<b>Month</b>	<b>Average Flow</b>	<b>Maximum Flow</b>
January	1249.48	2805.0
February	1643.79	2638.0
March	982.77	2734.0
April	1198.83	2971.0
May	1155.52	3764.0
June	1038.43	2720.0
July	1301.17	2637.0
August	1133.06	2708.0
September	1107.67	2406.0
October	908.71	2272.0
November	892.63	2180.0
December	923.97	2535.0
<b>*AVERAGE</b>	<b>1128.00</b>	<b>n/a</b>
<b>MAXIMUM</b>	<b>n/a</b>	<b>3764.0</b>
<b>SYSTEM CAPACITY</b>	<b>8640</b>	<b>8640</b>
<b>% CAPACITY</b>	<b>13.06%</b>	<b>43.56%</b>