



2017 ANNUAL REPORT FOR MITCHELL DRINKING WATER SYSTEM

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

Drinking-Water System Number:	210000577
Drinking-Water System Name:	Mitchell Drinking Water System
Drinking-Water System Owner:	Municipality of West Perth
Drinking-Water System Category:	Large Municipal Residential
Period being reported:	Operating year 2017

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: 6
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 checked="" 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: 6
	Did you provide a copy of your annual report to all Interested Authorities you report to for each Designated Facility? <input checked="" 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

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 distribution facilities; Treatment 123 and Treatment 4.

Disinfection at both distribution facilities is provided by injecting liquid chlorine into the pumped raw well water, before it enters the reservoir.

Each facility has 2 chlorine dosing pumps, 1 used as primary and the other as backup. In addition to the disinfection process, a sodium silicate food grade chemical is injected into the 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 138m³ concrete ground-level reservoir which flows into a 298m³ concrete ground level reservoir located at 132 St. George St. which is identified as Treatment 123.

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

Treated water from Well # 4 discharges into baffled 250m³ 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 1000m³ Water Tower and 3900m³ Standpipe provide system water storage and sustains pressure in the distribution system.

A booster pump located at the base of the standpipe, may be 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

Liquid Chlorine 12% - NSF
Sodium Silicate - NSF

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

Nelson St. underground infrastructure replaced between William St. and Blenheim St.
Nelson St. underground infrastructure installed between Campbell St. and William St.
Frances St. underground infrastructure replaced between Arthur St. and Morenz Dr.
Wimpole St. underground infrastructure installed between William St. and Park Lane.

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
12-18-17	Fluoride (T123)	1.9mg/L	Resample	12-20-17
12-18-17	Fluoride (T4)	1.8mg/L	Resample	12-20-17

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	52	0	0	N/A	N/A
Raw Well #2	52	0	0	N/A	N/A
Raw Well #3	44	0	0	N/A	N/A
Raw Well #4	52	0	0	N/A	N/A
POE #123	51	0	0	51	0-2
POE #4	52	0	0	52	0-4
Distribution	208	0	0	52	0-1

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	0.17-0.28	NTU
Turbidity Raw Well #2	12	0.11-0.39	NTU
Turbidity Raw Well #3	11	0.10-0.33	NTU
Turbidity Raw Well #4	12	0.13-0.36	NTU
Chlorine-POE 123 Continuous Monitoring	8760	0.00 – 5.00	mg/L
Chlorine-POE 4 Continuous Monitoring	8760	0.00 – 2.05	mg/L
Fluoride	2	1.8-1.9	mg/L

Results caused by analyzer maintenance are captured by continuous data collection and are included in the above range of results. At no time was water that did not meet the regulated disinfection requirements supplied to the distribution system.

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
None Issued	N/A	N/A	N/A	N/A



Treatment 123 (Reservoir and Distribution Center)

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 27, 2015	ND	µg/L	No
Arsenic	Apr 27, 2015	3.3	µg/L	No
Barium	Apr 27, 2015	61	µg/L	No
Boron	Apr 27, 2015	100	µg/L	No
Cadmium	Apr 27, 2015	ND	µg/L	No
Chromium	Apr 27, 2015	ND	µg/L	No
Lead-see results below				
Mercury	Apr 27, 2015	ND	µg/L	No
Selenium	Apr 27, 2015	ND	µg/L	No
Sodium	Apr 27, 2015	41	mg/L	Yes
Uranium	Apr 27, 2015	ND	µg/L	No
Fluoride	Dec 18, 2017	1.9	mg/L	Yes
Nitrite	Jan 3 2017	ND	µg/L	No
Nitrate	Jan 3 2017	ND	µg/L	No
Nitrite	Apr 3, 2017	ND	µg/L	No
Nitrate	Apr 3, 2017	ND	µg/L	No
Nitrite	Jul 10, 2017	ND	µg/L	No
Nitrate	Jul 10, 2017	ND	µg/L	No
Nitrite	Oct 2, 2017	ND	µg/L	No
Nitrate	Oct 2, 2017	ND	µg/L	No

ND = Not detected



Treatment 4 (Reservoir and Distribution Center)

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. 12 2016	ND	µg/L	No
Arsenic	Dec. 12 2016	1.5	µg/L	No
Barium	Dec. 12 2016	59	µg/L	No
Boron	Dec. 12 2016	110	µg/L	No
Cadmium	Dec. 12 2016	ND	µg/L	No
Chromium	Dec. 12 2016	ND	µg/L	No
Lead-see results below				
Mercury	Dec 12, 2016	ND	µg/L	No
Selenium	Dec 12, 2016	ND	µg/L	No
Sodium	Dec 12, 2016	44	mg/L	Yes
Uranium	Dec 12, 2016	0.22	µg/L	No
Fluoride	Dec 18, 2017	1.8	mg/L	Yes
Nitrite	Jan 3, 2017	ND	µg/L	No
Nitrate	Jan 3, 2017	ND	µg/L	No
Nitrite	Apr 3, 2017	ND	µg/L	No
Nitrate	Apr 3, 2017	ND	µg/L	No
Nitrite	Jul 10, 2017	ND	µg/L	No
Nitrate	Jul 10, 2017	ND	µg/L	No
Nitrite	Oct 2, 2017	ND	µg/L	No
Nitrate	Oct 2, 2017	ND	µg/L	No

N/D = Not detected



Lead Testing Results

Summary of Lead Results during this reporting period (Winter: Dec. 15/13-April 15/14; Summer: June 15-Oct. 15/14)				
Sampling Period	Location	Distribution System mg/L Lead	Distribution System mg/L Alkalinity	Any Adverse Water Quality Incidents?
Jan 3, 2017	Well #3 SS	N/A	200	N
Jan 3, 2017	WWTP Hydrant	N/A	220	N
Jan 3, 2017	Hydrant#167	N/A	220	N
Jun 19, 2017	Well #3 SS	N/A	220	N
Jun 19, 2017	WWTP Hydrant	N/A	220	N
Jun 19, 2017	Hydrant #167	N/A	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. 27 2015	ND	µg/L	No
Aldicarb	Apr. 27 2015	ND	µg/L	No
Aldrin + Dieldrin	Apr. 27 2015	ND	µg/L	No
Atrazine + N-dealkylated metabolites	Apr. 27 2015	ND	µg/L	No
Azinphos-methyl	Apr. 27 2015	ND	µg/L	No
Bendiocarb	Apr. 27 2015	ND	µg/L	No
Benzene	Apr. 27 2015	ND	µg/L	No
Benzo(a)pyrene	Apr. 27 2015	ND	µg/L	No
Bromoxynil	Apr. 27 2015	ND	µg/L	No
Carbaryl	Apr. 27 2015	ND	µg/L	No
Carbofuran	Apr. 27 2015	ND	µg/L	No
Carbon Tetrachloride	Apr. 27 2015	ND	µg/L	No
Chlordane (Total)	Apr. 27 2015	ND	µg/L	No
Chlorpyrifos	Apr. 27 2015	ND	µg/L	No

Summary of Organic parameters tested during this reporting period or the most recent sample results				
Cyanazine	Apr. 27 2015	ND	µg/L	No
Diazinon	Apr. 27 2015	ND	µg/L	No
Dicamba	Apr. 27 2015	ND	µg/L	No
1,2-Dichlorobenzene	Apr. 27 2015	ND	µg/L	No
1,4-Dichlorobenzene	Apr. 27 2015	ND	µg/L	No
Dichlorodiphenyltrichloroethane (DDT) + metabolites	Apr. 27 2015	ND	µg/L	No
1,2-Dichloroethane	Apr. 27 2015	ND	µg/L	No
1,1-Dichloroethylene (vinylidene chloride)	Apr. 27 2015	ND	µg/L	No
Dichloromethane	Apr. 27 2015	ND	µg/L	No
2-4 Dichlorophenol	Apr. 27 2015	ND	µg/L	No
2,4-Dichlorophenoxy acetic acid (2,4-D)	Apr. 27 2015	ND	µg/L	No
Diclofop-methyl	Apr. 27 2015	ND	µg/L	No
Dimethoate	Apr. 27 2015	ND	µg/L	No
Dinoseb	Apr. 27 2015	ND	µg/L	No
Diquat	Apr. 27 2015	ND	µg/L	No
Diuron	Apr. 27 2015	ND	µg/L	No
Glyphosate	Apr. 27 2015	ND	µg/L	No
Heptachlor + Heptachlor Epoxide	Apr. 27 2015	ND	µg/L	No
Lindane (Total)	Apr. 27 2015	ND	µg/L	No
Malathion	Apr. 27 2015	ND	µg/L	No
Methoxychlor	Apr. 27 2015	ND	µg/L	No
Metolachlor	Apr. 27 2015	ND	µg/L	No
Metribuzin	Apr. 27 2015	ND	µg/L	No
Monochlorobenzene	Apr. 27 2015	ND	µg/L	No
Paraquat	Apr. 27 2015	ND	µg/L	No
Parathion	Apr. 27 2015	ND	µg/L	No
Pentachlorophenol	Apr. 27 2015	ND	µg/L	No
Phorate	Apr. 27 2015	ND	µg/L	No
Picloram	Apr. 27 2015	ND	µg/L	No
Polychlorinated Biphenyls(PCB)	Apr. 27 2015	ND	µg/L	No
Prometryne	Apr. 27 2015	ND	µg/L	No
Simazine	Apr. 27 2015	ND	µg/L	No

Summary of Organic parameters tested during this reporting period or the most recent sample results				
THM (NOTE: show latest annual average)	Q1-Q4 2017	30.9	µg/L	No
HAA (NOTE: show latest annual average)	Q1-Q4 2017	12.5	µg/L	No
Temephos	Apr. 27 2015	ND	µg/L	No
Terbufos	Apr. 27 2015	ND	µg/L	No
Tetrachloroethylene	Apr. 27 2015	ND	µg/L	No
2,3,4,6-Tetrachlorophenol	Apr. 27 2015	ND	µg/L	No
Triallate	Apr. 27 2015	ND	µg/L	No
Trichloroethylene	Apr. 27 2015	ND	µg/L	No
2,4,6-Trichlorophenol	Apr. 27 2015	ND	µg/L	No
2,4,5-Trichlorophenoxy acetic acid (2,4,5-T)	Apr. 27 2015	ND	µg/L	No
Trifluralin	Apr. 27 2015	ND	µg/L	No
Vinyl Chloride	Apr. 27 2015	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
2,3,4,6-Tetrachlorophenol	Dec. 12 2016	ND	µg/L	No
2,4,6-Trichlorophenol	Dec. 12 2016	ND	µg/L	No
2,4-D	Dec. 12 2016	ND	µg/L	No
2,4-Dichlorophenol	Dec. 12 2016	ND	µg/L	No
Alachlor	Dec. 12 2016	ND	µg/L	No
Atrazine	Dec. 12 2016	ND	µg/L	No
Des-ethyl atrazine	Dec. 12 2016	ND	µg/L	No
Atrazine+Desethyl-atrazine	Dec. 12 2016	ND	µg/L	No
Bromoxynil	Dec. 12 2016	ND	µg/L	No

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

Carbaryl	Dec. 12 2016	ND	µg/L	No
Carbofuran	Dec. 12 2016	ND	µg/L	No
Chlorpyrifos (Dursban)	Dec. 12 2016	ND	µg/L	No
Diazinon	Dec. 12 2016	ND	µg/L	No
Dicamba	Dec. 12 2016	ND	µg/L	No
Diclofop-methyl	Dec. 12 2016	ND	µg/L	No
Dimethoate	Dec. 12 2016	ND	µg/L	No
Malathion	Dec. 12 2016	ND	µg/L	No
MCPA	Dec. 12 2016	ND	µg/L	No
Metolachlor	Dec. 12 2016	ND	µg/L	No
Metribuzin (Sencor)	Dec. 12 2016	ND	µg/L	No
Pentachlorophenol	Dec. 12 2016	ND	µg/L	No
Phorate	Dec. 12 2016	ND	µg/L	No
Picloram	Dec. 12 2016	ND	µg/L	No
Prometryne	Dec. 12 2016	ND	µg/L	No
Simazine	Dec. 12 2016	ND	µg/L	No
Terbufos	Dec. 12 2016	ND	µg/L	No
Triallate	Dec. 12 2016	ND	µg/L	No
Trifluralin	Dec. 12 2016	ND	µg/L	No
Benzo(a)pyrene	Dec. 12 2016	ND	µg/L	No
1,1-Dichloroethylene	Dec. 12 2016	ND	µg/L	No
1,2-Dichlorobenzene	Dec. 12 2016	ND	µg/L	No
1,2-Dichloroethane	Dec. 12 2016	ND	µg/L	No
1,4-Dichlorobenzene	Dec. 12 2016	ND	µg/L	No
Benzene	Dec. 12 2016	ND	µg/L	No
Carbon Tetrachloride	Dec. 12 2016	ND	µg/L	No
Chlorobenzene	Dec. 12 2016	ND	µg/L	No
Methylene Chloride (Dichloromethane)	Dec. 12 2016	ND	µg/L	No
Tetrachloroethylene	Dec. 12 2016	ND	µg/L	No
Toluene	Dec. 12 2016	ND	µg/L	No
Trichloroethylene	Dec. 12 2016	ND	µg/L	No
Vinyl Chloride	Dec. 12 2016	ND	µg/L	No
Total PCB	Dec. 12 2016	ND	µg/L	No
Glyphosate	Dec. 12 2016	ND	µg/L	No
Diquat	Dec. 12 2016	ND	µg/L	No
Diuron	Dec. 12 2016	ND	µg/L	No
THM (NOTE: show latest annual average)	Q1-Q4 2017	30.9	µg/L	No

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

HAA (NOTE: show latest annual average)	Q1-Q4 2017	12.5	µg/L	No
Guthion (Azinphos-methyl)	Dec. 12 2016	ND	µg/L	No
Paraquat	Dec. 12 2016	ND	µg/L	No
Temephos	Dec. 12 2016	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
Fluoride (T123)	Dec 18, 2017	1.9	mg/L	1.5
Fluoride (T4)	Dec 18, 2017	1.8	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:

-Fluoride exceedance at Treatment 123 and Treatment 4.

The following notice is provided to water customers as a billing insert every spring.
NOTICE TO WATER USERS, PARTICULARLY PARENTS/GUARDIANS OF CHILDREN UNDER 7 YEARS OF AGE!

This is a reminder that Mitchell has elevated levels of naturally occurring fluoride in the water. For children under 7 years of age, this may cause dental fluorosis in teeth that are forming. For more information and recommendations go to www.pdhu.on.ca {Fluoride & Drinking Water} or call the Perth District Health Unit's Health Line at 519-271-7600 ext. 267.

-Failed to comply with O. Reg. 170/03, Schedule 10-3. MICROBIOLOGICAL SAMPLING AND TESTING

During a Ministry of the Environment and Climate Change unannounced inspection of the Mitchell Drinking Water System (DWS). A single non-compliance issue was identified in regards to sampling. During the cleaning and inspection of the reservoir at the St. George Street distribution center in September, a weekly sample was not taken. (The reservoir was empty and offline at the time.) Under the regulation samples must be taken weekly and the regulation defines a week as a seven day period Sunday to Sunday. The reservoir was emptied on the Sunday before the cleaning and inspection



and sampled after the cleaning and inspection, but the sample was from the reservoir while it was isolated from the distribution system so the sample could not be considered a point of entry sample. A procedure has been put in place to ensure there will be no reoccurrence of this situation. At no time was the public at risk of receiving untreated water.

System Capability Assessment

Well #1

System Capability Assessment			
Comparison of Flow Rates (raw flow; m ³):			
Month	Average Daily Flow	Maximum Daily Flow	*Max flow (L/min)
January	27.65	168	1755.0
February	27.75	205.02	1761.0
March	65.84	481.99	1758.0
April	46.87	177.01	2097.0
May	25.23	123.99	1128.0
June	18.4	258.99	1109.4
July	5.9	66	1549.8
August	5.77	96.98	1546.2
September	30.83	533	1542
October	374.81	969.01	1540.2
November	295.43	921	1512.6
December	0.61	4	1495.2
*MAXIMUM	N/A	969.01	2097
AVERAGE	77.09	382.62	1607.03
PTTW	N/A	2617.92	1818
% of PTTW MAX	-	37.01%	115%
% of PTTW AVG	-	14.62%	88.40%

*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.

Well #2

System Capability Assessment			
Comparison of Flow Rates (raw flow; m ³):			
Month	Average Daily Flow	Maximum Daily Flow	*Max flow (L/min)
January	0.87	6	2055.6
February	4.46	58.01	2049.6
March	19.42	530.98	2059.2
April	1.03	8	2103.0
May	1.39	9.99	1870.2
June	17.37	376	1857
July	6.13	74.01	1985.4
August	0.58	5.01	1990.2
September	62.23	1229.01	1965
October	956.74	2431.01	1940.4
November	833.97	2586.01	1989.6
December	46.29	362.01	1998.0
*MAXIMUM	N/A	2586.01	2103
AVERAGE	162.54	639.67	1988.6
PTTW	N/A	3024	2100
% of PTTW MAX	-	85.52%	100.14%
% of PTTW AVG	-	21.15%	94.70%

*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.

Well #3

System Capability Assessment			
Comparison of Flow Rates (raw flow; m ³):			
Month	Average Daily Flow	Maximum Daily Flow	*Max flow (L/min)
January	948.55	2314.08	2818.2
February	904.14	2202.02	2822.4
March	925.42	2243.02	2820.0
April	912.53	2328.02	2815.2
May	1053.81	2548.00	2818.2
June	902.33	2165.00	2816.4
July	1041.32	2705.97	2817.0
August	1148.19	3059.01	2810.4
September	1064.77	3182.97	2812.2
October	0	0	0
November	306.70	3032.02	2821.2
December	1245.77	3242.98	2823.0
*MAXIMUM	N/A	3242.98	2823.00
AVERAGE	871.13	2418.59	2582.85
PTTW	N/A	3900.0	2880.0
% of PTTW MAX	-	83.15%	98.02%
% of PTTW AVG	-	62.02%	89.68%

*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.

Well #4

System Capability Assessment			
Comparison of Flow Rates (raw flow; m ³):			
Month	Average Daily Flow	Maximum Daily Flow	*Max flow (L/min)
January	950.81	2355	4283.36
February	999.14	2345	4604.03
March	981.16	2795	4776.38
April	867.83	2240	5482.608
May	1064.42	2793	4302.25
June	1031.80	2532	4300.18
July	1245.10	3035	4331.42
August	1429.74	3498	4329.02
September	1574.73	3880.	5454.80
October	1595.81	3432	5427.6
November	1508.20	3676	4567.64
December	1341.74	4151	4335.55
*MAXIMUM	N/A	4151	5482.61
AVERAGE	1215.973	3061	4682.90
PTTW	N/A	8640	6000
% of PTTW MAX	-	48.04%	78.05%
% of PTTW AVG	-	35.43%	91.38%

*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

System Capability Assessment		
Comparison of Flow Rates (total treated flow; m ³ /d):		
Month	Average Flow	Maximum Daily Flow
January	951.06	2317.79
February	913.94	2204.52
March	983.35	2341.46
April	936.6	2263.8
May	1050.23	2502.99
June	910.42	2268.86
July	1024.06	2637.20
August	1122.26	3045.19
September	1111.32	3105.56
October	1189.11	3037.03
November	1295.56	3154.69
December	1248.27	3114.72
*AVERAGE	1061.35	N/A
MAXIMUM	N/A	3154.69
SYSTEM CAPACITY	8640	8640
% CAPACITY	12.28%	36.51%

Treatment 4

System Capability Assessment		
Comparison of Flow Rates (total treated flow; m ³ /d):		
Month	Average Flow	Maximum Flow
January	939.84	2305
February	986.46	2289.0
March	968.32	2739.00
April	856.07	2173
May	1051.32	2778
June	1017.10	2516.00
July	1228.42	2991.00
August	1410.65	3458
September	1537.23	3813
October	1574.35	3406
November	1486.07	3599
December	1322.39	4066
*AVERAGE	1198.19	N/A
MAXIMUM	N/A	4066
SYSTEM CAPACITY	8640	8640
% CAPACITY	13.87%	47.06%