

# **Westurne Heights Water Analysis - 2017 Monthly Report**



OFTVANAIN		Health De	epartment						n-House				
Date	Sample Location (Address)	E. coli	Total Coliform	E.coli *	Total Coliform	Temp. (°C)	рН	Free Chlorine Residual (mg/L)	Total Dissolved Solids (mg/L)	Salinity (%)	Conductivity (µS/cm)	Total Iron (mg/L)	Manganese (mg/L)
4-Dec-17	Well head	0	0	0	0	7	6.85	0.42	47.9	0.05	101.5	0.12	0.002
4-Dec-17	1252 Westurne Heights	0	0	0	0	6.5	6.95	0.48	48.0	0.05	101.8	0.12	0.008
12-Dec-17	1263 Westurne Heights	0	0	0	0	6	7.01	0.51	47.4	0.05	100.5		
12-Dec-17	Well head	0	0	0	0	8	7.04	0.52	47.2	0.05	100.1		
12-Dec-17	Well head	0	0			8		0.52					
12-Dec-17	1252 Westurne Heights	0	0			5		0.47					
	Average	0	0	0	0	6.8	7.0	0.49	47.6	0.05	101.0	0.12	0.005
	Maximum	0	0	0	0	8.0	7.04	0.52	48.0	0.05	101.8	0.12	0.008
	Minimum	0	0	0	0	5.0	6.85	0.42	47.2	0.05	100.1	0.12	0.002

### **Red font indicates non-compliance with Canadian Drinking Water Guidelines**

\*Coliforms are measured in colony forming units (CFU) per 100 millilitres of water (CFU/100mL)

Yellow Column Coliform tests are completed by Health Department

Blue column tests are completed by RDN

#### **Comments:**



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		Health De	epartment						n-House				
Date	Sample Location (Address)	E. coli *	Total Coliform	E.coli *	Total Coliform *	Temp. (°C)	рН	Free Chlorine Residual (mg/L)	Total Dissolved Solids (mg/L)	Salinity (%)	Conductivity (µS/cm)	Total Iron (mg/L)	Manganese (mg/L)
8-Nov-17	Well Head	0	0	0	0	10	7.09	0.52	49.3	0.05	104.4	0.11	0.000
8-Nov-17	1252 Westurne Heights	0	0	0	0	7	7.12	0.40	48.8	0.05	103.4	0.11	0.000
15-Nov-17	1263 Westurne Heights		<b>A</b> *	0	0	7	7.10	0.51	49.0	0.05	104.0		
15-Nov-17	Well Head		$\mathbf{A}^{\star}$	0	0	7	7.08	0.56	49.1	0.05	104.0		
21-Nov-17	Well Head	0	0	0	0	8	7.00	0.53	48.8	0.05	103.5		
21-Nov-17	1252 Westurne Heights	0	0	0	0	7	7.10	0.53	49.3	0.05	104.4		
27-Nov-17	1263 Westurne Heights	0	0	0	0	8	6.97	0.44	49.0	0.05	103.9		
27-Nov-17	Well Head	0	0	0	0	8	6.95	0.45	48.4	0.05	102.6		
	Average	0	0	0	0	7.8	7.1	0.49	49.0	0.05	103.8	0.11	0.000
	Maximum	0	0	0	0	10	7.12	0.56	49.3	0.05	104.4	0.11	0.000
	Minimum	0	0	0	0	7	6.95	0.40	48.4	0.05	102.6	0.11	0.000

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Yellow Column Coliform tests are completed by Health Department

Blue column tests are completed by RDN

#### Comments:

Iron and manganese are found naturally in drinking water. Levels found in these samples are not a health concern.

A\*: Sample not tested; too long in transit



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OI I WILVAIN		Health De	epartment					I	n-House				
Date	Sample Location (Address)	E. coli *	Total Coliform	E.coli *	Total Coliform *	Temp. (°C)	рН	Free Chlorine Residual (mg/L)	Total Dissolved Solids (mg/L)	Salinity (%)	Conductivity (µS/cm)	Total Iron (mg/L)	Manganese (mg/L)
3-Oct-17	Well Head	0	0	0	0	10	7.01	0.32	85.7	0.08	180.5	0.09	0.009
3-Oct-17	1252 Westurne Heights	0	0	0	0	14	6.88	0.32	48.5	0.05	102.8	0.08	0.011
11-Oct-17	Well Head	0	0	0	0	10	7.45	0.13	47.7	0.05	101.7		
11-Oct-17	1252 Westurne Heights	0	0	0	0	12	7.46	0.28	48.0	0.05	101.5		
16-Oct-17	1263 Westurne Heights	0	0	0	0	11	7.17	0.60	48.5	0.05	103.0		
16-Oct-17	Well Head	0	0	0	0	9	7.15	0.45	48.4	0.05	102.5		
24-Oct-17	1263 Westurne Heights	0	0	0	0	8	7.18	0.22	48.7	0.05	103.5		
24-Oct-17	Well Head	0	0	0	0	9	7.15	0.22	49.3	0.05	104.6		
	Average	0	0	0	0	10.4	7.2	0.32	53.1	0.05	112.5	0.09	0.010
	Maximum	0	0	0	0	14	7.46	0.60	85.7	0.08	180.5	0.09	0.011
	Minimum	0	0	0	0	8	6.88	0.13	47.7	0.05	101.5	0.08	0.009

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\*Coliforms are measured in colony forming units (CFU) per 100 millilitres of water (CFU/100mL)

Yellow Column Coliform tests are completed by Health Department

Blue column tests are completed by RDN

#### Comments:



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OF TVAINAIN		Health De	epartment						n-House				
Date	Sample Location (Address)	E. coli	Total Coliform *	E.coli *	Total Coliform	Temp. (°C)	рН	Free Chlorine Residual (mg/L)	Total Dissolved Solids (mg/L)	Salinity (%)	Conductivity (µS/cm)	Total Iron (mg/L)	Manganese (mg/L)
6-Sep-17	Well Head	0	0	0	0	10	7.16	0.18	48.6	0.05	103.1	0.11	0.004
6-Sep-17	1252 Westurne Heights	0	0	0	0	18	7.13	0.43	48.5	0.05	102.9	0.08	0.028
11-Sep-17	1263 Westurne Heights	0	0	0	0	16	7.07	0.41	48.1	0.05	102.0		
11-Sep-17	Well Head	0	0	0	0	9	7.04	0.44	49.0	0.05	104.0		
18-Sep-17	Well Head	0	0	0	0	9	7.31	0.36	47.6	0.05	100.3		
18-Sep-17	1252 Westurne Heights	0	0	0	0	11.5	7.25	0.39	47.8	0.05	101.1		
25-Sep-17	1263 Westurne Heights	0	0	0	0	13	7.24	0.36	48.5	0.05	102.8		
25-Sep-17	Well Head	0	0	0	0	9	7.20	0.41	48.3	0.05	102.4		
	Average	0	0	0	0	11.9	7.2	0.37	48.3	0.05	102.3	0.10	0.016
	Maximum	0	0	0	0	18	7.31	0.44	49.0	0.05	104.0	0.11	0.028
	Minimum	0	0	0	0	9	7.04	0.18	47.6	0.05	100.3	0.08	0.004

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Blue column tests are completed by RDN

#### Comments:



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OF INANAIN		Health D						-	n Hausa				o waste
		Health De	epartment						n-House				
Date	Sample Location (Address)	E. coli *	Total Coliform *	E.coli *	Total Coliform *	Temp. (°C)	рН	Free Chlorine Residual (mg/L)	Total Dissolved Solids (mg/L)	Salinity (%)	Conductivity (µS/cm)	Total Iron (mg/L)	Manganese (mg/L)
1-Aug-17	1263 Westurne Heights	0	0	0	0	16	6.89	0.32	41.5	0.04	88.0	0.09	0.027
1-Aug-17	Well Head	0	0	0	0	10	6.88	0.29	51.8	0.05	112.2	0.10	0.008
8-Aug-17	Well Head	0	0	0	0	10	7.32	0.45	47.4	0.05	100.3		
8-Aug-17	1252 Westurne Heights	0	0	0	0	16	7.27	0.42	47.7	0.05	101.2		
16-Aug-17	1263 Westurne Heights	0	0	0	0	17	7.29	0.44	47.5	0.05	100.8		
16-Aug-17	Well Head	0	0	0	0	9	7.26	0.36	47.6	0.05	100.8		
22-Aug-17	Well Head	0	0	0	0	10	7.15	0.36	48.0	0.05	101.6		
22-Aug-17	1252 Westurne Heights	0	0	0	0	17	7.09	0.37	48.0	0.05	101.8		
30-Aug-17	1263 Westurne Heights			0	0	18	7.21	0.36	48.2	0.05	102.2		
	Average	0	0	0	0	13.7	7.2	0.37	47.5	0.05	101.0	0.10	0.018
	Maximum	0	0	0	0	18	7.32	0.45	51.8	0.05	112.2	0.10	0.027
	Minimum	0	0	0	0	9	6.88	0.29	41.5	0.04	88.0	0.09	0.008

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Blue column tests are completed by RDN

### Comments:



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		Health De	epartment					I	n-House				
Date	Sample Location (Address)	E. coli	Total Coliform	E.coli *	Total Coliform	Temp. (°C)	рН	Free Chlorine Residual (mg/L)	Total Dissolved Solids (mg/L)	Salinity (%)	Conductivity (µS/cm)	Total Iron (mg/L)	Manganese (mg/L)
4-Jul-17	1263 Westurne Heights	0	0	0	0		7.13	0.44	46.8	0.05	99.3	0.10	0.056
4-Jul-17	Well Head	0	0	0	0		7.12	0.46	45.9	0.05	97.5	0.08	0.071
10-Jul-17	Well Head	0	0	0	0	9	7.14	0.42	47.1	0.05	99.8		
10-Jul-17	1252 Westurne Heights	0	0	0	0	13	7.12	0.40	46.9	0.05	99.2		
17-Jul-17	1263 Westurne Heights	0	0	0	0	15	7.07	0.36	47.1	0.05	100.0		
17-Jul-17	Well Head	0	0	0	0	9	7.01	0.38	47.1	0.05	100.1		
25-Jul-17	Well Head	0	0	0	0	9	7.02	0.36	47.3	0.05	100.0		
25-Jul-17	1252 Westurne Heights	0	0	0	0	16	7.01	0.35	47.6	0.05	100.9		
	Average	0	0	0	0	11.8	7.1	0.40	47.0	0.05	99.6	0.09	0.064
	Maximum	0	0	0	0	16	7.14	0.46	47.6	0.05	100.9	0.10	0.071
	Minimum	0	0	0	0	9	7.01	0.35	45.9	0.05	97.5	0.08	0.056

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Aesthetic Objective for Iron is ≤0.3 mg/L Aesthetic Objective for Manganese is ≤0.05mg/L

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Yellow Column Coliform tests are completed by Health Department

Blue column tests are completed by RDN

#### Comments:



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Of T WILLYAM		Health De	epartment						n-House				
Date	Sample Location (Address)	E. coli *	Total Coliform *	E.coli *	Total Coliform	Temp. (°C)	рН	Free Chlorine Residual (mg/L)	Total Dissolved Solids (mg/L)	Salinity (%)	Conductivity (µS/cm)	Total Iron (mg/L)	Manganese (mg/L)
7-Jun-17	1263 Westurne Heights	0	0			15	7.02	0.44	46.2	0.05	97.9		
7-Jun-17	Well Head	0	0			9	7.05	0.43	46.1	0.05	97.8	0.06	0.000
12-Jun-17	Well Head	0	0			10	6.97	0.50	45.5	0.04	96.2		
12-Jun-17	1252 Westurne Heights	0	0			14	6.99	0.51	45.6	0.04	97.0		
19-Jun-17	1263 Westurne Heights	0	0			12	7.25	0.45	46.5	0.05	98.5		
19-Jun-17	Well Head	0	0			10	7.19	0.47	46.5	0.05	98.6		
26-Jun-17	Well Head	0	0			9	7.08	0.49	46.3	0.05	98.2		
26-Jun-17	1252 Westurne Heights	0	0			14	7.08	0.51	46.9	0.05	99.4		
	Average	0	0	#DIV/0!	#DIV/0!	11.6	7.1	0.48	46.2	0.05	98.0	0.06	0.000
	Maximum	0	0	0	0	15	7.25	0.51	46.9	0.05	99.4	0.06	0.000
	Minimum	0	0	0	0	9	6.97	0.43	45.5	0.04	96.2	0.06	0.000

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#### Comments:



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		Health De	epartment					I	n-House				
Date	Sample Location (Address)	E. coli	Total Coliform *	E.coli *	Total Coliform *	Temp. (°C)	рН	Free Chlorine Residual (mg/L)	Total Dissolved Solids (mg/L)	Salinity (%)	Conductivity (µS/cm)	Total Iron (mg/L)	Manganese (mg/L)
1-May-17	1263 Westurne Heights	0	0			11	7.12	0.36	45.2	0.04	95.8		
1-May-17	Well Head	0	0			11	7.11	0.48	45.3	0.04	96.2		
8-May-17	Well Head	0	0	0	0	9	7.06	0.46	44.9	0.04	95.3	0.08	0.000
8-May-17	1252 Westurne Heights	0	0	0	0	10	7.04	0.45	44.7	0.04	94.8	0.08	0.000
15-May-17	1263 Westurne Heights	0	0	0	0	10	7.12	0.56	45.9	0.05	97.2		
15-May-17	Well Head	0	0	0	0	9	7.11	0.59	45.3	0.04	95.9		
24-May-17		0	0			12	7.08	0.43	45.5	0.04	96.4		
24-May-17	1252 Westurne Heights	0	0			13	7.13	0.41	45.3	0.04	96.2		
			0	0	0	10.6	7.1	0.47	45.3	0.04	96.0	0.08	0.000
	Maximum	0	0	0	0	13	7.13	0.59	45.9	0.05	97.2	0.08	0.000
	Minimum	0	0	0	0	9	7.04	0.36	44.7	0.04	94.8	0.08	0.000

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#### Comments:



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Of TWINNIN		Health De	epartment					I	n-House				
Date	Sample Location (Address)	E. coli *	Total Coliform	E.coli *	Total Coliform	Temp. (°C)	рН	Free Chlorine Residual (mg/L)	Total Dissolved Solids (mg/L)	Salinity (%)	Conductivity (µS/cm)	Total Iron (mg/L)	Manganese (mg/L)
3-Apr-17	Well head	0	0			8	7.01	0.50	44.5	0.04	94.1	0.09	0.001
3-Apr-17	1252 Westurne Heights	0	0			7	7.07	0.47	44.8	0.04	95.2	0.13	0.009
10-Apr-17	1263 Westurne Heights	0	0			8	7.11	0.47	44.3	0.04	94.0		
10-Apr-17	Well head	0	0			8	7.15	0.53	44.7	0.04	94.9		
19-Apr-17	1263 Westurne Heights	0	0			9	7.06	0.36	45.2	0.04	95.9		
19-Apr-17	Well head	0	0			8	7.05	0.43	45.7	0.04	96.9		
25-Apr-17	Well head	0	0			8	7.00	0.44	44.8	0.04	94.9		
25-Apr-17	1252 Westurne Heights	0	0			9	7.04	0.42	44.5	0.04	94.6		
	Average	0	0	#DIV/0!	#DIV/0!	8.1	7.1	0.45	44.8	0.04	95.1	0.11	0.005
	Maximum	0	0	0	0	9	7.15	0.53	45.7	0.04	96.9	0.13	0.009
	Minimum	0	0	0	0	7	7.00	0.36	44.3	0.04	94.0	0.09	0.001

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Yellow Column Coliform tests are completed by Health Department

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OF TVAINAIN		Health De	epartment						n-House				
Date	Sample Location (Address)	E. coli	Total Coliform	E.coli *	Total Coliform	Temp. (°C)	рН	Free Chlorine Residual (mg/L)	Total Dissolved Solids (mg/L)	Salinity (%)	Conductivity (µS/cm)	Total Iron (mg/L)	Manganese (mg/L)
7-Mar-17	Well head	0	0	0	0	7	7.03	0.43	45.1	0.04	95.4	0.09	0.017
7-Mar-17	1252 Westurne Heights	0	0	0	0	3	6.98	0.44	45.1	0.04	95.5	0.09	0.005
15-Mar-17	1263 Westurne Heights	0	0	0	0	5	6.75	0.53	44.7	0.04	94.9		
15-Mar-17	Well head	0	0	0	0	6	6.77	0.45	45.1	0.04	96.0		
21-Mar-17	Well head	0	0	0	0	8	6.83	0.46	44.5	0.04	94.5		
21-Mar-17	1252 Westurne Heights	0	0	0	0	5	6.83	0.43	44.6	0.04	94.5		
28-Mar-17	1263 Westurne Heights	0	0	0	0	7	7.06	0.40	44.8	0.04	95.2		
28-Mar-17	Well head	0	0	0	0	8	7.08	0.45	44.5	0.04	94.2		
	Average	0	0	0	0	6.1	6.9	0.45	44.8	0.04	95.0	0.09	0.011
	Maximum	0	0	0	0	8	7.08	0.53	45.1	0.04	96.0	0.09	0.017
	Minimum	0	0	0	0	3	6.75	0.40	44.5	0.04	94.2	0.09	0.005

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#### Comments:



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OI I WILVAII		Health De	epartment						n-House				
Date	Sample Location (Address)	E. coli *	Total Coliform	E.coli *	Total Coliform *	Temp. (°C)	рН	Free Chlorine Residual (mg/L)	Total Dissolved Solids (mg/L)	Salinity (%)	Conductivity (µS/cm)	Total Iron (mg/L)	Manganese (mg/L)
8-Feb-17	Well Head	0	0	0	0	7	7.20	0.50	46.5	0.05	98.5	0.10	0.068
14-Feb-17	1263 Westurne Heights	0	0	0	0	6	7.04	0.68	46.7	0.05	99.0		
14-Feb-17	Well Head	0	0	0	0	6	7.04	0.74	46.5	0.05	98.8		
21-Feb-17	Well Head	0	0	0	0	7	6.62	0.42	44.6	0.04	95.8		
21-Feb-17	1252 Westurne Heights	0	0	0	0	5	6.71	0.45	59.9	0.06	130.8		
27-Feb-17	1263 Westurne	0	0	0	0	5	7.19	0.43	44.4	0.04	94.1		
27-Feb-17	Well Head	0	0	0	0	8	7.09	0.38	45.5	0.04	96.4		
	Average	0	0	0	0	6.3	7.0	0.51	47.7	0.05	101.9	0.10	0.068
	Maximum	0	0	0	0	8	7.2	0.74	59.9	0.06	130.8	0.10	0.068
	Minimum	0	0	0	0	5	6.62	0.38	44.4	0.04	94.1	0.10	0.068

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#### Comments:



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Of Turn vari		Health De	epartment					I	n-House				
Date	Sample Location (Address)	E. coli	Total Coliform	E.coli *	Total Coliform *	Temp. (°C)	рН	Free Chlorine Residual (mg/L)	Total Dissolved Solids (mg/L)	Salinity (%)	Conductivity (µS/cm)	Total Iron (mg/L)	Manganese (mg/L)
3-Jan-17	Well Head	0	0	0	0	7	7.06	0.50	45.3	0.04	95.9	0.07	0.024
3-Jan-17	1252 Westurne Heights	0	0	0	0	6	7.05	0.47	45.7	0.04	96.8	0.10	0.025
17-Jan-17	1263 Westurne Heights	0	0	0	0	1	7.09	0.46	44.7	0.04	94.5		
17-Jan-17	Well Head	0	0	0	0	5	7.10	0.49	44.9	0.04	95.4		
24-Jan-17	Well Head	0	0	0	0	4	7.13	0.39	45.1	0.04	95.7		
24-Jan-17	1252 Westurne Heights	0	0	0	0	5	7.16	0.42	45.5	0.04	96.4		
31-Jan-17	1263 Westurne Heights	0	0	0	0	5	7.20	0.45	45.6	0.05	96.8		
31-Jan-17	Well Head	0	0	0	0	8	7.13	0.44	45.3	0.04	96.5		
	Average	0	0	0	0	5	7.1	0.45	45.3	0.04	96.0	0.09	0.025
	Maximum	0	0	0	0	8	7.20	0.50	45.7	0.05	96.8	0.10	0.025
	Minimum	0	0	0	0	1	7.05	0.39	44.7	0.04	94.5	0.07	0.024

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