

Village of Pemberton Water System

Annual Report - 2011

INTRODUCTION

This report has been prepared for the consumers of the Drinking Water System of the Village of Pemberton to provide basic information on water quality and compliance with health standards.

Feedback and comments are always appreciated and should be directed to Village staff or Vancouver Coastal Health (Squamish) officials.

1. CONSUMPTION (MEGA GALLONS/DAY):

Daily flow numbers are recorded at the Wellhouse. The annual numbers are as follows:

Average Flow/day:	0.500
High Flow/day:	0.846 (August 8, 2011)
Low Flow/day:	0.333 (January 16, 2011)

For daily results, please refer to **Appendix I**.

2. CHLORINATION:

Upon commissioning of the new Well No. 3 in early March 2009, chlorination of the water system was instituted. The goal is to have a positive residual chlorine reading throughout the system, with the Fire Hall chlorine analyzer serving as the central measuring point, where a residual of 0.20 mg/L is desired.

The residual reading is monitored continuously by a dedicated computer (SCADA), located in the main Wellhouse. Daily readings of the previous 24 hours average residual are recorded, as well as the chlorine dosing. The annual numbers are as follows:

	Dosing (mg/L)	Residual (mg/L)
Average:	0.48	0.20
High:	0.75	0.24
Low:	0.35	0.07

For daily results, please refer to **Appendix I**.

3. CHEMISTRY TEST RESULTS:

The annual chemistry test was performed July 26, 2011 by Maxxam Analytics. The test results show that all of the items tested are well within the Health Canada guidelines. Since the test performed is a complete package (Maxxam Analytics' Drinking Water Package), there are some test results that do not have a guideline. Also, some test items are only for Aesthetic Objectives, which also have been met.

For results and corresponding guidelines, please refer to **Appendix II**.

4. PH TEST RESULTS:

Starting in May 2009, pH testing was instituted on a weekly basis, in conjunction with the chlorine residual testing. Samples from six to eight water sampling stations in the distribution system are recorded and tabulated.

For results, please refer to **Appendix III**.

5. TRIHALOMETHANE (THM) TEST RESULTS:

THM testing commenced in January 2010, at a central location (Oak St. sampling station). All readings were well below the Health Canada guidelines.

For results and corresponding guidelines, please refer to **Appendix IV**.

6. BACTERIOLOGICAL TEST RESULTS:

Water samples are collected weekly at the following locations:

Source:

- Well No. 1 (on standby only)
- Well No. 2
- Well No. 3

Distribution:

Village of Pemberton

- Oak St
- Village Office
- Health Centre
- Treatment Plant
- Pemberton Plateau
- Industrial Park (Mount Currie water source)



Box 100 | 7400 Prospect Street
Pemberton, BC V0N 2L0
P: 604.894.6135 | F: 604.894.6136
Email: admin@pemberton.ca
Website: www.pemberton.ca

Pemberton North Improvement District

- Collins Rd
- Pemberton Meadows Rd.
- Pemberton Farm Rd (West)
- Urdal Rd.

These samples are submitted for analysis to the laboratory at Vancouver Coastal Health. All results were negative.

The individual results are on file at Vancouver Coastal Health (Squamish) and the Village Office, where they can be reviewed. They can also be viewed at:

www.healthspace.ca/Clients/VCHA/CoastGaribaldi/CoastGaribaldi_Website.nsf

For Sample Range Reports, please refer to **Appendix V**.

Appendix I

	Flow (MG/day)	Avg Flow (G/hr)	Avg Flow (G/min)	Pump Flow (gpm)	Hypo Flow (L/hr)	Cl Dose (mg/L)	24 hr Avg Residual (mg/L)	Cl Demand (mg/L)	Well #2 Static Level (m)	Well #3 Static Level (m)
Number of Samples	363	363	363	98	98.00	98	363	98	184	160
Minimum	0.333	13875	231	608	0.56	0.35	0.07	0.12	13.89	16.06
Maximum	0.846	35250	588	1035	1.31	0.75	0.24	0.58	17.88	19.83
Average	0.500	20816	347	867	0.92	0.48	0.20	0.29	16.22	18.25
January-01-11	0.378	15750	263				0.20			
January-02-11	0.401	16708	278				0.20			
January-03-11	0.398	16583	276				0.21			
January-04-11	0.402	16750	279				0.20			
January-05-11	0.401	16708	278				0.20		17.31	19.20
January-06-11	0.398	16583	276	796	0.81	0.46	0.20	0.26	16.23	
January-07-11	0.393	16375	273				0.20		17.24	19.13
January-08-11	0.406	16917	282				0.20			
January-09-11	0.410	17083	285				0.21			
January-10-11	0.386	16083	268				0.20		17.19	19.09
January-11-11	0.389	16208	270				0.20		17.20	19.11
January-12-11	0.391	16292	272				0.22		17.27	19.31
January-13-11	0.389	16208	270	783	0.72	0.42	0.20	0.22	17.32	
January-14-11	0.407	16958	283	1015	0.94	0.42	0.20	0.22		17.74
January-15-11	0.385	16042	267				0.21			
January-16-11	0.333	13875	231				0.21			
January-17-11	0.352	14667	244	608	0.56	0.42	0.20	0.22	16.23	
January-18-11	0.380	15833	264				0.20			18.16
January-19-11	0.340	14167	236				0.20		17.15	19.05
January-20-11	0.345	14375	240				0.20		17.20	19.1
January-21-11	0.335	13958	233				0.20		17.40	19.31
January-22-11	0.365	15208	253				0.20			
January-23-11	0.375	15625	260				0.19			
January-24-11	0.386	16083	268				0.20			18.96
January-25-11	0.404	16833	281				0.20		16.57	18.44
January-26-11	0.400	16667	278				0.20		17.40	19.29
January-27-11	0.406	16917	282				0.20		17.14	19.03
January-28-11	0.416	17333	289				0.21		17.25	19.14
January-29-11	0.423	17625	294				0.20			
January-30-11	0.422	17583	293				0.19			
January-31-11	0.399	16625	277				0.19		17.44	19.32
February-01-11	0.402	16750	279				0.18			
February-02-11	0.406	16917	282	808	0.90	0.51	0.19	0.32	16.29	
February-03-11	0.399	16625	277				0.18			
February-04-11	0.397	16542	276				0.17		16.37	18.35
February-05-11	0.396	16500	275				0.18			
February-06-11	0.397	16542	276				0.18			
February-07-11	0.398	16583	276				0.19		17.49	19.4
February-08-11	0.402	16750	279				0.22		17.37	19.28
February-09-11	0.384	16000	267	1035	0.95	0.42	0.20	0.22		18.19
February-10-11	0.395	16458	274				0.20		17.27	19.18
February-11-11	0.419	17458	291	811	0.75	0.42	0.20	0.22	16.63	
February-12-11	0.399	16625	277				0.21			
February-13-11	0.399	16625	277				0.20			
February-14-11	0.400	16667	278				0.20		17.32	19.19
February-15-11	0.415	17292	288	1034	0.95	0.42	0.20	0.22		18.24
February-16-11	0.423	17625	294	811	0.75	0.42	0.24	0.18	16.67	
February-17-11	0.411	17125	285				0.24		17.66	19.55
February-18-11	0.402	16750	279				0.22		17.75	19.67
February-19-11	0.419	17458	291				0.22			
February-20-11	0.425	17708	295				0.22			
February-21-11	0.433	18042	301	1035	0.80	0.35	0.23	0.12		
February-22-11	0.435	18125	302				0.22		17.20	19.11
February-23-11	0.421	17542	292				0.20		15.99	18.06
February-24-11	0.422	17583	293	808	0.67	0.38	0.20	0.18	16.34	

	Flow (MG/day)	Avg Flow (G/hr)	Avg Flow (G/min)	Pump Flow (gpm)	Hypo Flow (L/hr)	Cl Dose (mg/L)	24 hr Avg Residual (mg/L)	Cl Demand (mg/L)	Well #2 Static Level (m)	Well #3 Static Level (m)
February-25-11	0.414	17250	288	1025	0.85	0.38	0.20	0.18		17.88
February-26-11	0.423	17625	294				0.20			
February-27-11	0.433	18042	301				0.20		17.49	
February-28-11	0.420	17500	292				0.21			
March-01-11	0.428	17833	297				0.21			
March-02-11	0.409	17042	284				0.20	16.76		18.67
March-03-11	0.413	17208	287				0.24	17.12		19.02
March-04-11	0.408	17000	283				0.23	17.25		19.15
March-05-11	0.423	17625	294				0.23			
March-06-11	0.443	18458	308				0.22			
March-07-11	0.411	17125	285				0.20	16.58		18.42
March-08-11	0.403	16792	280	801	0.67	0.38	0.20	0.18		
March-09-11	0.387	16125	269	800	0.67	0.38	0.20	0.18		
March-10-11	0.404	16833	281				0.20		16.96	18.88
March-11-11	0.412	17167	286				0.20		16.81	18.72
March-12-11	0.406	16917	282				0.20			
March-13-11	0.427	17792	297				0.21			
March-14-11	0.418	17417	290	823	0.68	0.37	0.22	0.15	17.20	
March-15-11	0.404	16833	281	804	0.67	0.38	0.20	0.18	16.14	
March-16-11	0.415	17292	288				0.20		17.37	19.29
March-17-11	0.411	17125	285				0.20		17.36	19.28
March-18-11	0.448	18667	311				0.20		17.29	19.23
March-19-11	0.413	17208	287				0.21			
March-20-11	0.341	14208	237				0.21			
March-21-11	0.350	14583	243				0.20		17.36	19.27
March-22-11	0.353	14708	245				0.19			
March-23-11	0.345	14375	240				0.19		17.54	19.48
March-24-11	0.346	14417	240				0.18		17.61	19.55
March-25-11	0.363	15125	252				0.17		17.37	19.29
March-26-11	0.356	14833	247				0.17			
March-27-11	0.375	15625	260				0.19			
March-28-11	0.390	16250	271				0.22		17.29	19.22
March-29-11	0.388	16167	269				0.22		16.73	18.65
March-30-11	0.387	16125	269				0.22		17.66	19.57
March-31-11	0.407	16958	283				0.22		17.59	19.52
April-01-11	0.386	16083	268				0.24		16.64	18.45
April-02-11	0.393	16375	273				0.21			
April-03-11	0.390	16250	271				0.22			
April-04-11	0.376	15667	261	1021	0.94	0.42	0.18	0.24		18.98
April-05-11	0.388	16167	269	1014	0.94	0.42	0.19	0.23		18.45
April-06-11	0.365	15208	253				0.16			
April-07-11	0.377	15708	262				0.15		17.88	19.83
April-08-11	0.383	15958	266	1013	1.03	0.46	0.19	0.27		18.4
April-09-11	0.379	15792	263				0.17			
April-10-11	0.356	14833	247				0.16			
April-11-11	0.360	15000	250				0.18		17.70	
April-12-11	0.394	16417	274				0.18		17.54	19.49
April-13-11	0.391	16292	272	790	0.80	0.46	0.20	0.26	16.45	
April-14-11	0.394	16417	274				0.20		17.74	16.67
April-15-11	0.397	16542	276				0.20		17.20	19.11
April-16-11	0.386	16083	268				0.19			
April-17-11	0.415	17292	288				0.19			
April-18-11	0.413	17208	287				0.18		16.75	18.66
April-19-11	0.398	16583	276	792	0.80	0.46	0.19	0.27	16.28	
April-20-11	0.411	17125	285				0.21		17.31	19.23
April-21-11	0.400	16667	278				0.20		16.93	18.81
April-22-11	0.406	16917	282				0.19			
April-23-11	0.390	16250	271				0.20			
April-24-11	0.410	17083	285				0.20			
April-25-11	0.410	17083	285				0.20		17.01	18.92
April-26-11	0.437	18208	303				0.21			
April-27-11	0.434	18083	301	808	0.67	0.38	0.20	0.18	16.68	
April-28-11	0.440	18333	306	1010	0.84	0.38	0.20	0.18		17.86
April-29-11	0.442	18417	307				0.20		16.99	18.91

	Flow (MG/day)	Avg Flow (G/hr)	Avg Flow (G/min)	Pump Flow (gpm)	Hypo Flow (L/hr)	Cl Dose (mg/L)	24 hr Avg Residual (mg/L)	Cl Demand (mg/L)	Well #2 Static Level (m)	Well #3 Static Level (m)
April-30-11	0.429	17875	298				0.20			
May-01-11	0.434	18083	301				0.21			
May-02-11	0.411	17125	285	788	0.73	0.42	0.19	0.23	16.20	
May-03-11	0.415	17292	288				0.18		16.42	18.31
May-04-11	0.440	18333	306	1010	0.93	0.42	0.17	0.25		18.58
May-05-11	0.433	18042	301	778	0.72	0.42	0.18	0.24	15.94	
May-06-11	0.441	18375	306				0.18		16.31	18.16
May-07-11	0.448	18667	311				0.18			
May-08-11	0.432	18000	300				0.19			
May-09-11	0.427	17792	297	788	0.73	0.42	0.19	0.23	16.58	
May-10-11	0.449	18708	312				0.18		16.23	18.09
May-11-11	0.425	17708	295				0.17		15.82	17.81
May-12-11	0.452	18833	314				0.18		16.61	18.5
May-13-11	0.460	19167	319	785	0.73	0.42	0.18	0.24	16.35	
May-14-11	0.424	17667	294				0.18			
May-15-11	0.434	18083	301				0.18			
May-16-11	0.407	16958	283	744	0.76	0.46	0.16	0.30		
May-17-11	0.425	17708	295	995	1.01	0.46	0.15	0.31		
May-18-11	0.441	18375	306				0.16			
May-19-11	0.454	18917	315	782	0.80	0.46	0.14	0.32		
May-20-11	0.497	20708	345				0.14			
May-21-11	0.484	20167	336				0.16			
May-22-11	0.493	20542	342				0.16			
May-23-11	0.484	20167	336				0.15			
May-24-11	0.480	20000	333	1010	1.03	0.46	0.17	0.29		
May-25-11	0.498	20750	346	771	0.78	0.46	0.17	0.29	16.51	
May-26-11	0.485	20208	337				0.18		16.94	18.87
May-27-11	0.498	20750	346	993	1.01	0.46	0.19	0.27		17.63
May-28-11	0.535	22292	372				0.18			
May-29-11	0.512	21333	356				0.19			
May-30-11	0.565	23542	392	761	0.77	0.46	0.18	0.28	15.89	
May-31-11	0.520	21667	361	771	0.78	0.46	0.18	0.28	16.08	
June-01-11	0.513	21375	356	759	0.77	0.46	0.20	0.26	15.50	
June-02-11	0.506	21083	351				0.20		16.42	18.29
June-03-11	0.513	21375	356	766	0.78	0.46	0.19	0.27	15.68	
June-04-11	0.564	23500	392				0.19			
June-05-11	0.613	25542	426				0.20			
June-06-11	0.628	26167	436	1001	1.01	0.46	0.21	0.25		
June-07-11	0.599	24958	416	781	0.79	0.46	0.21	0.25	15.58	
June-08-11	0.646	26917	449				0.20		15.79	16.99
June-09-11	0.597	24875	415	993	1.01	0.46	0.20	0.26		17.18
June-10-11	0.598	24917	415				0.20		16.62	18.54
June-11-11	0.584	24333	406				0.18			
June-12-11	0.602	25083	418				0.19			
June-13-11	0.602	25083	418	783	0.79	0.46	0.20	0.26	15.69	
June-14-11	0.594	24750	413	1009	1.02	0.46	0.17	0.29		17.99
June-15-11	0.591	24625	410				0.16		16.75	18.67
June-16-11	0.608	25333	422	793	0.95	0.54	0.21	0.33	15.69	
June-17-11	0.597	24875	415	788	0.95	0.55	0.22	0.33	15.75	
June-18-11	0.598	24917	415				0.20			
June-19-11	0.597	24875	415				0.20			
June-20-11	0.591	24625	410				0.19		16.14	17.97
June-21-11	0.610	25417	424	794	0.95	0.54	0.22	0.32	15.64	
June-22-11	0.640	26667	444	1004	1.11	0.50	0.23	0.27		17.46
June-23-11	0.580	24167	403	795	0.74	0.42	0.23	0.19	15.42	
June-24-11	0.625	26042	434	999	0.92	0.42	0.22	0.20		17.22
June-25-11	0.617	25708	428				0.20			
June-26-11	0.692	28833	481				0.18			
June-27-11	0.663	27625	460	997	0.92	0.42	0.23	0.19		16.93
June-28-11	0.644	26833	447	788	0.73	0.42	0.24	0.18	15.36	
June-29-11	0.600	25000	417	798	0.88	0.50	0.20	0.30	15.92	
June-30-11	0.599	24958	416	791	0.88	0.50	0.22	0.28	15.62	
July-01-11	0.605	25208	420				0.20			
July-02-11	0.649	27042	451				0.21			

	Flow (MG/day)	Avg Flow (G/hr)	Avg Flow (G/min)	Pump Flow (gpm)	Hypo Flow (L/hr)	Cl Dose (mg/L)	24 hr Avg Residual (mg/L)	Cl Demand (mg/L)	Well #2 Static Level (m)	Well #3 Static Level (m)
July-03-11	0.578	24083	401				0.21			
July-04-11	0.645	26875	448	792	0.88	0.50	0.20	0.30	15.40	
July-05-11	0.703	29292	488				0.22		15.25	17.28
July-06-11	0.709	29542	492	799	0.88	0.50	0.23	0.27	15.60	
July-07-11	0.685	28542	476	1018	1.13	0.50	0.21	0.29		17.88
July-08-11	0.686	28583	476	792	0.88	0.50	0.22	0.28	15.43	
July-09-11	0.772	32167	536				0.21			
July-10-11	0.744	31000	517				0.21			
July-11-11	0.714	29750	496	788	0.88	0.51	0.20	0.31		
July-12-11	0.751	31292	522				0.23		15.81	17.7
July-13-11	0.632	26333	439	787	0.88	0.51	0.22	0.29	14.77	
July-14-11	0.614	25583	426				0.22		15.88	17.76
July-15-11	0.594	24750	413				0.20		16.64	18.55
July-16-11	0.593	24708	412				0.21			
July-17-11	0.636	26500	442	1000	1.10	0.50	0.20	0.30		17.3
July-18-11	0.635	26458	441				0.20			
July-19-11	0.650	27083	451	1001	1.11	0.50	0.20	0.30		17.25
July-20-11	0.678	28250	471				0.23		16.20	18.11
July-21-11	0.633	26375	440	791	0.88	0.50	0.23	0.27	15.30	
July-22-11	0.598	24917	415				0.22		16.11	18.01
July-23-11	0.633	26375	440				0.21			
July-24-11	0.722	30083	501	786	0.87	0.50	0.22	0.28	14.69	
July-25-11	0.760	31667	528				0.24			
July-26-11	0.703	29292	488	1010	1.11	0.50	0.21	0.29		17.47
July-27-11	0.697	29042	484				0.20		15.16	16.99
July-28-11	0.741	30875	515				0.21		15.11	17.01
July-29-11	0.760	31667	528	797	0.88	0.50	0.21	0.29	14.76	
July-30-11	0.716	29833	497				0.22			
July-31-11	0.743	30958	516				0.22			
August-01-11	0.786	32750	546				0.21			
August-02-11	0.765	31875	531				0.20		15.69	17.58
August-03-11	0.792	33000	550	790	0.88	0.51	0.22	0.29	15.51	17.38
August-04-11	0.812	33833	564	793	0.87	0.50	0.20	0.30	14.47	
August-05-11	0.813	33875	565				0.20		14.50	
August-06-11	0.821	34208	570	984	1.09	0.50	0.22	0.28		16.06
August-07-11	0.836	34833	581				0.21			
August-08-11	0.846	35250	588				0.20			
August-09-11	0.780	32500	542	796	0.88	0.50	0.21	0.29	14.88	
August-10-11	0.762	31750	529				0.20		15.36	17.2
August-11-11	0.824	34333	572	790	0.95	0.55	0.21	0.34	14.32	
August-12-11	0.811	33792	563	793	0.95	0.54	0.19	0.35	14.38	
August-13-11	0.826	34417	574				0.20			
August-14-11	0.713	29708	495				0.19			
August-15-11	0.737	30708	512				0.19		15.15	16.97
August-16-11	0.806	33583	560	988	1.18	0.54	0.19	0.35		16.42
August-17-11	0.763	31792	530				0.20		15.44	17.32
August-18-11	0.808	33667	561				0.21		14.89	16.77
August-19-11	0.832	34667	578	790	0.95	0.55	0.18	0.37	14.14	
August-20-11	0.830	34583	576				0.18			
August-21-11	0.806	33583	560				0.18			
August-22-11	0.805	33542	559	788	0.95	0.55	0.18	0.37	14.05	
August-23-11	0.704	29333	489				0.18			
August-24-11	0.652	27167	453				0.07		15.47	17.33
August-25-11	0.703	29292	488				0.15			16.81
August-26-11	0.745	31042	517				0.14		14.97	16.82
August-27-11	0.751	31292	522				0.20			
August-28-11	0.755	31458	524				0.10			
August-29-11	0.818	34083	568				0.14			
August-30-11	0.773	32208	537	793	1.17	0.67	0.19	0.48	14.64	
August-31-11	0.747	31125	519				0.18			
September-01-11	0.685	28542	476				0.19		15.27	17.28
September-02-11	0.659	27458	458				0.18		15.36	17.22
September-03-11	0.685	28542	476				0.20			
September-04-11	0.693	28875	481				0.17			

	Flow (MG/day)	Avg Flow (G/hr)	Avg Flow (G/min)	Pump Flow (gpm)	Hypo Flow (L/hr)	Cl Dose (mg/L)	24 hr Avg Residual (mg/L)	Cl Demand (mg/L)	Well #2 Static Level (m)	Well #3 Static Level (m)
September-05-11	0.715	29792	497				0.18			
September-06-11	0.712	29667	494				0.18		15.37	17.23
September-07-11	0.749	31208	520	797	0.89	0.51	0.21	0.30	14.60	
September-08-11	0.732	30500	508				0.24		15.41	17.78
September-09-11	0.742	30917	515				0.19		15.45	17.33
September-10-11	0.723	30125	502				0.19			
September-11-11	0.785	32708	545				0.20			
September-12-11	0.795	33125	552	788	1.31	0.75	0.17	0.58	13.91	
September-13-11	0.753	31375	523	791	0.89	0.51	0.19	0.32	14.18	
September-14-11	0.716	29833	497	787	1.09	0.63	0.17	0.46	13.89	
September-15-11	0.664	27667	461				0.19		15.25	17.12
September-16-11	0.614	25583	426				0.17		14.34	16.23
September-17-11	0.639	26625	444				0.19			
September-18-11	0.604	25167	419				0.19			
September-19-11	0.639	26625	444				0.18			17.09
September-20-11	0.582	24250	404	986	1.18	0.54	0.11	0.43		16.18
September-21-11	0.563	23458	391	816	1.19	0.66	0.14	0.52	15.38	
September-22-11	0.546	22750	379	797	1.03	0.59	0.17	0.42	14.94	
September-23-11	0.549	22875	381				0.18		15.71	17.55
September-24-11	0.546	22750	379				0.19			
September-25-11	0.553	23042	384				0.19			
September-26-11	0.535	22292	372				0.20			17.62
September-27-11	0.483	20125	335				0.17		15.68	17.49
September-28-11	0.507	21125	352				0.20		16.23	18.09
September-29-11	0.499	20792	347				0.18		16.41	18.29
September-30-11	0.456	19000	317				0.17		16.32	18.18
October-01-11	0.450	18750	313				0.18			
October-02-11	0.460	19167	319				0.19			
October-03-11	0.442	18417	307				0.19		16.55	18.42
October-04-11	0.444	18500	308	802	1.04	0.59	0.19	0.40	15.46	
October-05-11	0.423	17625	294				0.19		16.66	18.52
October-06-11	0.421	17542	292				0.18		16.47	18.32
October-07-11	0.414	17250	288				0.19		16.21	18.06
October-08-11	0.421	17542	292				0.20			
October-09-11	0.420	17500	292				0.21			
October-10-11	0.416	17333	289				0.21			
October-11-11	0.418	17417	290	798	1.11	0.63	0.21	0.42	15.21	
October-12-11	0.417	17375	290				0.19			
October-13-11	0.417	17375	290				0.20			
October-14-11	0.408	17000	283				0.19			
October-15-11	0.424	17667	294				0.21			
October-16-11	0.425	17708	295				0.21			
October-17-11	0.428	17833	297				0.21			
October-18-11	0.414	17250	288				0.20		16.22	18.07
October-19-11	0.422	17583	293	1004	1.11	0.50	0.22	0.28		17.5
October-20-11	0.401	16708	278				0.19		16.54	18.4
October-21-11	0.404	16833	281				0.18		16.24	18.11
October-22-11	0.405	16875	281				0.19			
October-23-11	0.410	17083	285				0.21			
October-24-11	0.408	17000	283				0.20		16.03	17.89
October-25-11	0.402	16750	279				0.21		15.89	17.74
October-26-11	0.406	16917	282				0.20		14.97	17.61
October-27-11	0.395	16458	274				0.19		14.94	17.07
October-28-11	0.383	15958	266				0.18		16.32	18.19
October-29-11	0.405	16875	281				0.19			
October-30-11	0.412	17167	286				0.18			
October-31-11	0.418	17417	290				0.18			
November-01-11	0.397	16542	276				0.19		16.42	18.32
November-02-11	0.404	16833	281				0.21		16.41	18.27
November-03-11	0.408	17000	283				0.21		16.31	18.19
November-04-11	0.385	16042	267	992	1.19	0.54	0.19	0.35		17.01
November-05-11	0.402	16750	279				0.20			
November-06-11	0.410	17083	285				0.21			
November-07-11	0.388	16167	269				0.23		15.69	17.5

	Flow (MG/day)	Avg Flow (G/hr)	Avg Flow (G/min)	Pump Flow (gpm)	Hypo Flow (L/hr)	Cl Dose (mg/L)	24 hr Avg Residual (mg/L)	Cl Demand (mg/L)	Well #2 Static Level (m)	Well #3 Static Level (m)
November-08-11	0.408	17000	283	793	0.96	0.55	0.21	0.34	15.16	
November-09-11	0.403	16792	280				0.20		15.39	16.89
November-10-11	0.409	17042	284	795	0.96	0.55	0.19	0.36	15.44	
November-11-11	0.403	16792	280				0.20			
November-12-11	0.419	17458	291				0.21			
November-13-11	0.423	17625	294				0.21			
November-14-11	0.406	16917	282				0.21		15.79	17.64
November-15-11	0.403	16792	280	793	0.95	0.54	0.19	0.35	15.38	
November-16-11	0.400	16667	278				0.18		16.20	18.07
November-17-11	0.405	16875	281				0.19		16.49	18.39
November-18-11	0.417	17375	290	991	1.19	0.54	0.21	0.33		17.19
November-19-11	0.414	17250	288				0.21			
November-20-11	0.416	17333	289				0.21			
November-21-11	0.428	17833	297				0.20		16.34	18.22
November-22-11	0.405	16875	281				0.18		16.32	18.19
November-23-11	0.404	16833	281				0.19		16.46	18.32
November-24-11	0.412	17167	286				0.18		16.57	18.45
November-25-11	0.404	16833	281				0.18		15.94	17.76
November-26-11	0.405	16875	281				0.19			
November-27-11	0.410	17083	285				0.19			
November-28-11	0.420	17500	292				0.20		16.81	18.68
November-29-11	0.428	17833	297	802	0.89	0.50	0.18	0.32	16.02	
November-30-11	0.384	16000	267				0.19			
December-01-11	0.400	16667	278	1001	1.11	0.50	0.18	0.32		17.93
December-02-11	0.399	16625	277				0.18		16.88	18.76
December-03-11	0.397	16542	276				0.20			
December-04-11	0.404	16833	281				0.20			
December-05-11	0.405	16875	281	1011	1.12	0.50	0.19	0.31		18.59
December-06-11	0.394	16417	274	1018	1.12	0.50	0.19	0.31		18.83
December-07-11	0.400	16667	278				0.18		17.28	18.97
December-08-11	0.392	16333	272				0.18		17.19	19.1
December-09-11	0.407	16958	283				0.17		16.58	18.48
December-10-11	0.404	16833	281				0.18			
December-11-11	0.409	17042	284				0.18			
December-12-11	0.420	17500	292				0.18		17.02	18.93
December-13-11	0.400	16667	278				0.19			
December-14-11	0.401	16708	278	803	0.89	0.50	0.19	0.31	15.97	
December-15-11	0.402	16750	279				0.18		17.12	19.05
December-16-11	0.412	17167	286	997	1.10	0.50	0.20	0.30		17.68
December-17-11	0.421	17542	292				0.21			
December-18-11	0.417	17375	290				0.22			
December-19-11	0.418	17417	290				0.20		17.19	19.74
December-20-11	0.425	17708	295				0.21		17.07	18.98
December-21-11	0.409	17042	284	1017	1.03	0.46	0.19	0.27		18.79
December-22-11	0.408	17000	283	1014	1.03	0.46	0.19	0.27		18.62
December-23-11	0.407	16958	283				0.19		17.11	19.03
December-24-11	0.431	17958	299				0.20			
December-25-11	0.423	17625	294				0.19			
December-26-11	0.424	17667	294				0.19			
December-27-11	0.463	19292	322				0.20			
December-28-11	0.435	18125	302				0.19		17.25	19.18
December-29-11	0.430	17917	299				0.19			
December-30-11	0.443	18458	308				0.18			
December-31-11	0.422	17583	293				0.18			

Appendix II

Note: 1 microgram is(ug) is 1/1,000 of a milligram (mg)

Guidelines for Canadian Drinking Water Quality

Maxxam Job #: B167989
 Report Date: 2011/08/09

VILLAGE OF PEMBERTON
 Client Project #:
 Site Location:
 Sampler Initials:

DRINKING WATER PACKAGE (WATER)

Maxxam ID		BC4634	BC4635	BC4636	BC4637		Maximum Allowable Concentration	Aesthetic Objectives	Units
Sampling Date		07/26/2011 9:15	07/26/2011 9:15	07/26/2011 9:15	07/26/2011 9:30				
COC Number		92147-05-01	92147-05-01	92147-05-01	92147-05-01				
	Units	WELL # 1	WELL # 2	WELL # 3	IND. PARK	RDL			
ANIONS									
Nitrite (N)	mg/L	<0.005	<0.005	<0.005	<0.005	0.005	3.2		mg/L
Calculated Parameters									
Total Hardness (CaCO3)	mg/L	30.1	43.0	14.2	17.1	0.5		80 - 100	mg/L
Nitrate (N)	mg/L	0.02	0.14	0.08	0.03	0.02	45		mg/L
Misc. Inorganics									
Fluoride (F)	mg/L	0.02	0.02	0.02	0.04	0.01	1.5		mg/L
Alkalinity (Total as CaCO3)	mg/L	38	23	11	17	0.5		< 500	mg/L
Alkalinity (PP as CaCO3)	mg/L	<0.5	<0.5	<0.5	<0.5	0.5		n/a	
Bicarbonate (HCO3)	mg/L	46	28	14	21	0.5		n/a	
Carbonate (CO3)	mg/L	<0.5	<0.5	<0.5	<0.5	0.5		n/a	
Hydroxide (OH)	mg/L	<0.5	<0.5	<0.5	<0.5	0.5		n/a	
Anions									
Dissolved Sulphate (SO4)	mg/L	10	15	7.5	4.4	0.5		< 500	mg/L
Dissolved Chloride (Cl)	mg/L	5.4	17	0.6	<0.5	0.5		< 250	mg/L
MISCELLANEOUS									
True Colour	Col. Unit	<5	<5	<5	<5	5		< 15	TCU
Nutrients									
Nitrate plus Nitrite (N)	mg/L	0.02	0.14	0.08	0.03	0.02	n/a		
Physical Properties									
Conductivity	uS/cm	114	142	47	49	1	n/a		
pH	pH Units	6.72	6.76	6.68	7.21			6.5 - 8.5	
Physical Properties									
Total Dissolved Solids	mg/L	52	84	26	28	10		<500	mg/L
Turbidity	NTU	37.3	0.2	<0.1	0.4	0.1		1	NTU
Total Metals by ICPMS									
Total Aluminum (Al)	ug/L	<3	10	8	17	3		0.1	mg/L
Total Antimony (Sb)	ug/L	<0.5	<0.5	<0.5	<0.5	0.5	0.006		mg/L
Total Arsenic (As)	ug/L	<0.1	<0.1	<0.1	0.2	0.1	0.01		mg/L
Total Barium (Ba)	ug/L	33	32	10	4	1	1		mg/L
Total Boron (B)	ug/L	<50	<50	<50	<50	50	5		mg/L
Total Cadmium (Cd)	ug/L	<0.01	0.03	0.01	<0.01	0.01	0.005		mg/L
Total Chromium (Cr)	ug/L	<1	<1	<1	<1	1	0.05		mg/L
Total Cobalt (Co)	ug/L	0.7	<0.5	<0.5	<0.5	0.5	n/a		
Total Copper (Cu)	ug/L	0.8	5.3	18.6	9.5	0.2		< 1	mg/L
Total Iron (Fe)	ug/L	10200	25	15	9	5		< 0.3	mg/L
Total Lead (Pb)	ug/L	<0.2	1.4	1.4	0.3	0.2	0.01		mg/L
Total Manganese (Mn)	ug/L	282	48	<1	<1	1	n/a		
Total Mercury (Hg)	ug/L	<0.05	<0.05	<0.05	<0.05	0.05	0.001		mg/L
Total Molybdenum (Mo)	ug/L	<1	<1	<1	<1	1	n/a		
Total Nickel (Ni)	ug/L	<1	<1	2	<1	1	n/a		
Total Selenium (Se)	ug/L	<0.1	<0.1	<0.1	<0.1	0.1	0.01		mg/L
Total Silver (Ag)	ug/L	<0.02	<0.02	<0.02	<0.02	0.02	n/a		
Total Uranium (U)	ug/L	<0.1	<0.1	<0.1	<0.1	0.1	0.02		mg/L
Total Vanadium (V)	ug/L	<5	<5	<5	<5	5	n/a		
Total Zinc (Zn)	ug/L	<5	11	<5	<5	5		< 5	mg/L
Total Calcium (Ca)	mg/L	11.1	15.8	5.24	5.98	0.05	n/a		
Total Magnesium (Mg)	mg/L	0.56	0.86	0.27	0.53	0.05	n/a		
Total Potassium (K)	mg/L	1.39	1.46	0.55	0.42	0.05	n/a		
Total Sodium (Na)	mg/L	3.96	5.34	1.16	0.94	0.05	n/a	< 200	mg/L
Total Sulphur (S)	mg/L	3	6	<3	<3	3	n/a		

RDL = Reportable Detection Limit
 EDL = Estimated Detection Limit

Appendix III

pH/Temperature in C

Sample Station

Date	5-Jan-11	11-Jan-11	18-Jan-11	25-Jan-11
Collins Rd	7.19 / 12.1	6.78 / 7.8	6.77 / 11.9	5.90 / 10.1
Pem. Meadows Rd	n/a	n/a	n/a	n/a
Pem. Farm Rd	7.05 / 12.4	6.10 / 5.6	6.06 / 11.7	6.53 / 11.3
Urdal Rd	n/a	n/a	n/a	n/a
Oak St	7.33 / 12.7	6.11 / 6.6	6.05 / 11.4	5.92 / 10.3
Village Office	7 / 12.9	6.20 / 8.6	6.81 / 10.7	6.49 / 11.2
Health Centre	7.24 / 13.6	6.27 / 8.5	6.82 / 12.5	5.93 / 11.2
Treatment Plant	7.33 / 14.1	6.53 / 10.6	5.93 / 21.6	6.33 / 20.9
Plateau	7.3 / 12.4	6.18 / 5.5	6.27 / 11.3	5.93 / 10.8

pH/Temperature in C

Sample Station

Date	2-Feb-11	8-Feb-11	15-Feb-11	21-Feb-11
Collins Rd	6.55 / 13.1	7.12 / 10.6	6.08 / 14.0	6.75 / 14.2
Pem. Meadows Rd	n/a	n/a	n/a	n/a
Pem. Farm Rd	6.36 / 12.4	7.29 / 9.8	6.05 / 12.3	6.78 / 13.7
Urdal Rd	n/a	n/a	n/a	n/a
Oak St	6.52 / 12.6	7.16 / 10.4	5.98 / 11.8	6.70 / 14.1
Village Office	6.40 / 12.3	7.15 / 10.4	6.03 / 11.9	6.76 / 14.5
Health Centre	6.38 / 12.6	7.14 / 11.5	6.03 / 12.4	6.82 / 15.8
Treatment Plant	6.35 / 15.0	7.04 / 10.6	6.67 / 21.6	6.77 / 15.9
Plateau	6.53 / 13.0	7.10 / 10.4	6.02 / 11.9	6.84 / 13.9

pH/Temperature in C

Sample Station

Date	2-Mar-11	8-Mar-11	15-Mar-11	23-Mar-11	29-Mar-11
Collins Rd	6.42 / 8.6	5.82 / 11.2	5.88 / 13.2	6.62 / 13.0	5.91 / 12.7
Pem. Meadows Rd	n/a	n/a	n/a	n/a	5.88 / 12.6
Pem. Farm Rd	6.48 / 9.1	6.50 / 11.9	5.86 / 13.4	6.03 / 11.5	5.92 / 11.7
Urdal Rd	n/a	n/a	n/a	n/a	n/a
Oak St	6.59 / 9.9	5.82 / 10.9	5.84 / 13.1	6.06 / 12.0	5.94 / 12.4
Village Office	6.44 / 8.9	5.97 / 10.9	6.55 / 13.6	6.10 / 11.6	5.98 / 12.6
Health Centre	6.48 / 9.5	6.53 / 12.0	5.88 / 13.3	6.03 / 12.6	5.95 / 12.7
Treatment Plant	6.30 / 12.7	6.36 / 18.7	6.51 / 18.5	6.47 / 18.4	6.19 / 19.2
Plateau	6.66 / 9.5	5.93 / 10.3	5.88 / 14.1	6.02 / 11.5	5.96 / 12.6

pH/Temperature in C

Sample Station

Date	6-Apr-11	12-Apr-11	19-Apr-11	27-Apr-11
Collins Rd	5.81 / 14.6	6.42 / 12.8	6.21 / 14.8	5.95 / 13.4
Pem. Meadows Rd	5.86 / 14.4	6.45 / 11.9	6.34 / 14.8	5.95 / 13.1
Pem. Farm Rd	5.77 / 14.1	6.46 / 12.2	6.33 / 14.7	5.98 / 13.1
Urdal Rd	n/a	n/a	n/a	n/a
Oak St	5.76 / 14.1	6.37 / 12.1	6.10 / 14.5	5.94 / 13.1
Village Office	5.80 / 14.3	6.32 / 12.3	6.34 / 15.0	5.98 / 13.0
Health Centre	5.77 / 14.9	6.26 / 12.4	6.18 / 14.7	5.98 / 14.2
Treatment Plant	6.01 / 19.4	6.40 / 14.3	6.32 / 14.8	6.25 / 18.3
Plateau	6.34 / 14.5	6.33 / 13.0	6.23 / 15.7	5.94 / 12.9

pH/Temperature in C

Sample Station

Date	3-May-11	10-May-11	25-May-11	31-May-11
Collins Rd	6.78 / 12.4	6.16 / 13.6	5.71 / 14.8	6.38 / 15.1
Pem. Meadows Rd	6.58 / 12.5	6.27 / 13.7	6.34 / 16.6	5.90 / 13.9
Pem. Farm Rd	6.82 / 12.4	6.09 / 13.7	6.21 / 15.3	6.32 / 14.4
Urdal Rd	n/a	n/a	n/a	n/a
Oak St	6.71 / 12.8	6.24 / 13.8	5.74 / 15.0	6.23 / 14.4
Village Office	6.12 / 12.9	6.24 / 13.6	6.39 / 15.6	6.17 / 14.6
Health Centre	6.14 / 12.2	6.42 / 14.2	6.43 / 16.6	6.16 / 13.4
Treatment Plant	6.31 / 15.3	6.42 / 15.0	6.30 / 17.2	6.01 / 15.4
Plateau	6.11 / 13.0	6.33 / 14.1	5.67 / 16.3	6.16 / 16.2

pH/Temperature in C

Sample Station

Date	7-Jun-11	14-Jun-11	20-Jun-11	28-Jun-11
Collins Rd	6.58 / 15.9	6.44 / 16.9	6.56 / 15.9	6.37 / 15.9
Pem. Meadows Rd	6.59 / 15.9	6.44 / 16.8	6.45 / 15.7	6.39 / 15.9
Pem. Farm Rd	6.65 / 16.6	6.23 / 17.8	6.48 / 16.7	6.31 / 16.3
Urdal Rd	n/a	n/a	n/a	n/a
Oak St	6.06 / 15.0	6.46 / 17.3	6.48 / 15.2	6.35 / 16.2
Village Office	6.65 / 15.5	6.44 / 16.9	6.54 / 16.9	6.30 / 17.0
Health Centre	6.68 / 13.6	5.75 / 14.3	6.51 / 16.7	6.35 / 15.7
Treatment Plant	6.47 / 16.6	6.05 / 21.4	6.39 / 14.7	6.45 / 14.2
Plateau	6.06 / 15.7	6.36 / 17.7	7.10 / 17.8	6.32 / 17.2

pH/Temperature in C

Sample Station

Date	5-Jul-11	12-Jul-11	19-Jul-11	26-Jul-11
Collins Rd	5.61 / 18.2	6.65 / 17.6	6.46 / 18.6	5.69 / 15.2
Pem. Meadows Rd	5.63 / 18.2	6.59 / 18.5	6.43 / 18.3	5.73 / 15.5
Pem. Farm Rd	n/a	n/a	n/a	n/a
Urdal Rd	n/a	n/a	n/a	n/a
Oak St	6.29 / 18.6	6.64 / 13.2	6.45 / 18.2	5.70 / 16.1
Village Office	5.65 / 18.4	6.62 / 18.4	6.48 / 18.2	6.45 / 16.2
Health Centre	5.65 / 18.7	6.66 / 18.2	6.9 / 18.4	5.69 / 15.8
Treatment Plant	6.24 / 23.2	6.30 / 14.1	6.23 / 17.5	6.07 / 21.3
Plateau	6.27 / 19.1	6.61 / 19.2	6.43 / 19.5	5.76 / 16.7

pH/Temperature in C

Sample Station

Date	2-Aug-11	9-Aug-11	16-Aug-11	23-Aug-11	30-Aug-11
Collins Rd	6.31 / 18.4	6.21 / 19.7	6.57 / 14.8	5.57 / 18.8	6.34 / 19
Pem. Meadows Rd	5.62 / 17.6	5.95 / 19.9	5.90 / 15.5	5.53 / 19.4	6.33 / 18.7
Pem. Farm Rd	n/a	n/a	n/a	n/a	n/a
Urdal Rd	n/a	n/a	n/a	n/a	n/a
Oak St	5.65 / 17.4	6.24 / 20.1	5.87 / 14.4	5.62 / 18.6	6.38 / 18.4
Village Office	5.63 / 18.1	6.16 / 20	6.56 / 16.6	5.61 / 19.9	6.32 / 20.0
Health Centre	5.68 / 17.0	6.43 / 18.7	6.00 / 15.9	5.59 / 19.1	6.34 / 19.4
Treatment Plant	6.24 / 23.1	6.09 / 21	6.06 / 17.8	5.92 / 23.4	6.34 / 17.4
Plateau	6.14 / 18.4	5.86 / 19.7	6.62 / 16.2	5.57 / 19.3	6.34 / 19.6

pH/Temperature in C

Sample Station

Date	7-Sep-11	13-Sep-11	20-Sep-11	27-Sep-11
Collins Rd	6.55 / 16.9	6.29 / 19.2	5.99 / 18.1	6.27 / 18.1
Pem. Meadows Rd	6.53 / 17.1	6.29 / 19.4	6.03 / 18.0	6.14 / 17.4
Pem. Farm Rd	n/a	n/a	n/a	n/a
Urdal Rd	n/a	n/a	n/a	n/a
Oak St	6.52 / 16.6	6.34 / 18.8	6.27 / 17.6	6.37 / 17.4
Village Office	6.78 / 17.1	6.33 / 20.4	6.40 / 18.4	6.37 / 17.6
Health Centre	6.81 / 15.6	6.35 / 18.9	5.98 / 18.4	6.38 / 15.8
Treatment Plant	6.55 / 15.1	6.29 / 17.9	6.05 / 19.8	6.15 / 20.2
Plateau	6.27 / 15.2	6.28 / 19.4	6.22 / 18.6	6.20 / 17.9

pH/Temperature in C

Sample Station

Date	4-Oct-11	12-Oct-11	18-Oct-11	24-Oct-11
Collins Rd	6.00 / 16.6	6.27 / 16.3	5.85 / 14.0	6.03 / 14.8
Pem. Meadows Rd	6.22 / 17.1	5.82 / 15.6	5.93 / 14.0	6.16 / 14.5
Pem. Farm Rd	5.71 / 16.6	n/a	n/a	n/a
Urdal Rd	n/a	n/a	n/a	n/a
Oak St	6.05 / 16.5	5.86 / 15.6	5.97 / 13.6	5.98 / 14.3
Village Office	5.64 / 16.6	6.27 / 16.2	6.01 / 14.5	6.35 / 14.9
Health Centre	5.73 / 15.8	6.30 / 19.8	5.93 / 12.2	6.54 / 14.1
Treatment Plant	6.12 / 19.0	6.33 / 17.3	6.55 / 16.5	6.29 / 15.9
Plateau	5.64 / 17.1	6.10 / 16.3	5.94 / 13.9	5.92 / 14.7

pH/Temperature in C

Sample Station

Date	1-Nov-11	8-Nov-11	15-Nov-11	22-Nov-11	30-Nov-11
Collins Rd	n/a	5.69 / 15.7		n/a	n/a
Pem. Meadows Rd	6.41 / 13.1	5.76 / 14.8		5.83 / 12.7	5.91 / 9.9
Pem. Farm Rd	n/a	n/a		6.55 / 14.2	5.99 / 10.3
Urdal Rd	n/a	n/a		n/a	n/a
Oak St	5.66 / 12.9	5.82 / 15.1		5.92 / 12.8	5.94 / 10.4
Village Office	6.44 / 12.9	5.85 / 14.9		5.90 / 13.8	5.96 / 9.5
Health Centre	5.71 / 12.0	5.83 / 14.7		5.91 / 14.2	5.94 / 11.3
Treatment Plant	6.08 / 19.2	6.19 / 17.5		6.49 / 20.4	6.29 / 15.7
Plateau	5.69 / 13.3	5.82 / 14.9		5.86 / 13.3	5.99 / 9.9

pH/Temperature in C

Sample Station

Date	6-Dec-11	13-Dec-11	20-Dec-11	28-Dec-11
Collins Rd	n/a	n/a	n/a	n/a
Pem. Meadows Rd	6.05 / 10.1	n/a	6.14 / 8.7	6.10 / 8.4
Pem. Farm Rd	n/a	n/a	n/a	6.09 / 8.1
Urdal Rd	n/a	n/a	n/a	n/a
Oak St	5.97 / 9.9	5.99 / 8.8	6.13 / 9.2	6.02 / 8.5
Village Office	5.98 / 10.1	6.06 / 10.0	6.14 / 8.2	6.08 / 8.5
Health Centre	5.9 / 9.9	5.99 / 11.1	6.11 / 9.1	6.07 / 10.5
Treatment Plant	5.71 / 18.4	5.92 / 15.7	6.41 / 17.8	6.28 / 17.7
Plateau	5.99 / 9.2	5.98 / 9.3	6.13 / 8.7	6.04 / 8.5

Appendix IV

Note: 1 microgram (ug) is 1/1,000 of 1 milligram (mg)

Guidelines for Canadian Drinking Water Quality

Maxxam Job #: B102742
Report Date: 2011/01/17

VILLAGE OF PEMBERTON
Client Project #:
Site Reference:
Sampler Initials:

Maximum Allowable
Concentration

TRIHALOMETHANES (THM) IN WATER

Maxxam ID		Z39442		
Sampling Date		01/12/2011		
COC Number		G027300		
	Units	OAK STREET	RDL	QC Batch
Volatiles				
Chloroform	ug/L	<1	1	4559228
Chlorodibromomethane	ug/L	1	1	4559228
Bromodichloromethane	ug/L	<1	1	4559228
Bromoform	ug/L	<1	1	4559228
Surrogate Recovery (%)				
4-BROMOFLUOROBENZEN	%	92		4559228
D4-1,2-DICHLOROETHANE	%	100		4559228
D8-TOLUENE (sur.)	%	101		4559228

0.100 mg/L (Total)

RDL = Reportable Detection Limit
EDL = Estimated Detection Limit

Maxxam Job #: B130952
Report Date: 2011/04/21

VILLAGE OF PEMBERTON
Client Project #:
Site Reference:
Sampler Initials:

TRIHALOMETHANES (THM) IN WATER

Maxxam ID		AJ0386		
Sampling Date		04/18/2011 8:00		
COC Number		92147-03-01		
	Units	OAK ST	RDL	QC Batch
Volatiles				
Chloroform	ug/L	<1	1	4798896
Chlorodibromomethane	ug/L	<1	1	4798896
Bromodichloromethane	ug/L	<1	1	4798896
Bromoform	ug/L	<1	1	4798896
Surrogate Recovery (%)				
4-BROMOFLUOROBENZEN	%	87		4798896
D4-1,2-DICHLOROETHANE	%	104		4798896
D8-TOLUENE (sur.)	%	95		4798896

0.100 mg/L (Total)

RDL = Reportable Detection Limit
EDL = Estimated Detection Limit

Maxxam Job #: B1B3087
Report Date: 2011/11/23

VILLAGE OF PEMBERTON
Client Project #:
Site Location:
Sampler Initials:

TRIHALOMETHANES (THM) IN WATER

Maxxam ID		CE4103		
Sampling Date		11/21/2011 7:45		
COC Number		921470601		
	Units	OAK ST	RDL	QC Batch
Volatiles				
Chloroform	ug/L	<1.0	1.0	5385005
Chlorodibromomethane	ug/L	1.2	1.0	5385005
Bromodichloromethane	ug/L	<1.0	1.0	5385005
Bromoform	ug/L	1.7	1.0	5385005
Surrogate Recovery (%)				
4-BROMOFLUOROBENZEN	%	90		5385005
D4-1,2-DICHLOROETHANE	%	95		5385005
D8-TOLUENE (sur.)	%	98		5385005

0.100 mg/L (Total)

RDL = Reportable Detection Limit
EDL = Estimated Detection Limit