

**STATE COLLEGE BOROUGH WATER AUTHORITY
BASIC CHEMISTRY SAMPLING SUMMARY**

COLLECTION DATE	Sample No.	SAMPLE ID	Alkalinity (mg/L CaCO ₃)	Color (S.U.)	Hardness (mg/L)	Calcium (mg/L)	Iron (mg/L)	Magnesium (mg/L)	Manganese (mg/L)	Nitrate (mg/L)	Conductivity (µmhos/cm)	Total Dissolved Solids (mg/L)	Total Suspended Solids (mg/L)	Total Organic Carbon (mg/L)	Total Coliform (mg/L)	Fecal Coliform (mg/L)
Oct. 2014	1	Wellfield No. 1/3 (Harter-Thomas at WTF)	210	ND	265	64.0	ND	25.6	ND	4.580	493	236	ND	ND	200.5	16.4
Nov. 2014	2	Wellfield No. 1/3 (Harter-Thomas at WTF)	200	ND	263	64.5	ND	24.9	ND	4.590	524	320	4	ND	40.6	1.0
Dec. 2014	3	Wellfield No. 1/3 (Harter-Thomas at WTF)	204	ND	239	57.2	ND	23.4	ND	4.410	508	240	ND	ND	11.1	1.0
Jan. 2015	4	Wellfield No. 1/3 (Harter-Thomas at WTF)	200	ND	237	56.9	ND	22.9	ND	4.146	475	526	5	ND	15.0	1.0
-	-	Method Reporting Limit (MRL)	20	5	0.662	0.1	0.02	0.1	0.01	1	2	20	4	0.5	1.0	1
		Minimum:	200	ND	237	56.9	ND	22.9	ND	4.146	475	236	ND	ND	11.1	1.0
		Maximum:	210	ND	265	64.5	ND	25.6	ND	4.590	524	526	5	ND	200.5	16.4
		Average:	204	ND	251	60.7	ND	24.2	ND	4.432	500	331	5	ND	66.8	4.9
Oct. 2014	1	Wellfield No. 2 (Grays Woods)	104	ND	116	25.0	ND	13.0	ND	1.460	148	84	ND	ND	ND	ND
Nov. 2014	2	Wellfield No. 2 (Grays Woods)	102	ND	114	25.2	ND	12.4	ND	1.460	217	90	ND	ND	ND	ND
Dec. 2014	3	Wellfield No. 2 (Grays Woods)	102	ND	116	25.0	ND	13.1	ND	1.530	201	124	ND	ND	ND	ND
Jan. 2015	4	Wellfield No. 2 (Grays Woods)	104	ND	113	24.4	ND	12.7	ND	1.498	214	96	ND	ND	ND	ND
-	-	Method Reporting Limit (MRL)	20	5	0.662	0.1	0.02	0.1	0.01	1	2	20	4	0.5	1	1
		Minimum:	102	ND	113	24.4	ND	12.4	ND	1.460	148	84	ND	ND	ND	ND
		Maximum:	104	ND	116	25.2	ND	13.1	ND	1.530	217	124	ND	ND	ND	ND
		Average:	103	ND	115	24.9	ND	12.8	ND	1.487	195	99	ND	ND	ND	ND
Oct. 2014	1	Wellfield No. 4 (Nixon) - 4A Well No. 43	130	ND	173	47.5	ND	13.3	ND	5.460	350	186	ND	ND	ND	ND
Nov. 2014	2	Wellfield No. 4 (Nixon) - 4A Well No. 43	124	ND	148	40.5	ND	11.4	ND	4.450	288	162	ND	ND	ND	ND
Dec. 2014	3	Wellfield No. 4 (Nixon) - 4A Well No. 43	118	ND	159	42.3	ND	13.0	ND	4.810	285	156	ND	ND	ND	ND
Jan. 2015	4	Wellfield No. 4 (Nixon) - 4A Well No. 43	142	ND	161	43.7	ND	12.6	ND	4.994	304	142	ND	ND	ND	ND
-	-	Method Reporting Limit (MRL)	20	5	0.662	0.1	0.02	0.1	0.01	1	2	20	4	0.5	1	1
		Minimum:	118	ND	148	40.5	ND	11.4	ND	4.450	285	142	ND	ND	ND	ND
		Maximum:	142	ND	173	47.5	ND	13.3	ND	5.460	350	186	ND	ND	ND	ND
		Average:	129	ND	160	43.5	ND	12.6	ND	4.929	307	162	ND	ND	ND	ND
Oct. 2014	1	Wellfield No. 4 (Nixon) - 4B Well Nos. 53/41	178	ND	234	62.0	0.3100	19.3	ND	5.120	445	232	12	ND	ND	ND
Nov. 2014	2	Wellfield No. 4 (Nixon) - 4B Well Nos. 53/41	188	ND	252	65.5	ND	21.5	ND	4.890	471	480	ND	ND	ND	ND
Dec. 2014	3	Wellfield No. 4 (Nixon) - 4B Well Nos. 53/41	202	ND	232	59.0	ND	20.7	ND	4.830	401	236	ND	ND	ND	ND
Jan. 2015	4	Wellfield No. 4 (Nixon) - 4B Well Nos. 53/41	164	ND	245	63.8	0.0455	20.8	ND	4.846	427	206	ND	ND	ND	ND
-	-	Method Reporting Limit (MRL)	20	5	0.662	0.1	0.02	0.1	0.01	1	2	20	4	0.5	1	1
		Minimum:	164	ND	232	59.0	ND	19.3	ND	4.830	401	206	ND	ND	ND	ND
		Maximum:	202	ND	252	65.5	0.3100	21.5	ND	5.120	471	480	12	ND	ND	ND
		Average:	183	ND	241	62.6	0.1778	20.6	ND	4.922	436	289	12	ND	ND	ND

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Oct. 2014	1	Wellfield No. 5 (Chestnut Ridge)	128	ND	189	39.5	ND	22.1	ND	4.190	520	272	6	ND	ND	ND
Nov. 2014	2	Wellfield No. 5 (Chestnut Ridge)	134	ND	175	36.5	ND	20.5	ND	3.890	472	238	ND	ND	ND	ND
Dec. 2014	3	Wellfield No. 5 (Chestnut Ridge)	134	ND	181	37.1	ND	21.5	ND	3.840	513	242	ND	ND	ND	ND
Jan. 2015	4	Wellfield No. 5 (Chestnut Ridge)	134	ND	181	37.1	ND	21.4	ND	3.788	504	250	ND	ND	ND	ND
-	-	Method Reporting Limit (MRL)	20	5	0.662	0.1	0.02	0.1	0.01	1	2	20	4	0.5	1	1
		Minimum:	128	ND	175	36.5	ND	20.5	ND	3.788	472	238	ND	ND	ND	ND
		Maximum:	134	ND	189	39.5	ND	22.1	ND	4.190	520	272	6	ND	ND	ND
		Average:	133	ND	182	37.6	ND	21.4	ND	3.927	502	251	ND	ND	ND	ND
Oct. 2014	1	Wellfield No. 6 (Alexander Farm)	120	ND	165	35.5	ND	18.7	ND	4.430	329	186	4	ND	ND	ND
Nov. 2014	2	Wellfield No. 6 (Alexander Farm)	122	ND	154	33.5	ND	17.2	ND	3.760	335	230	ND	ND	ND	ND
Dec. 2014	3	Wellfield No. 6 (Alexander Farm)	124	ND	164	34.8	ND	18.8	ND	4.420	323	170	ND	ND	ND	ND
Jan. 2015	4	Wellfield No. 6 (Alexander Farm)	124	ND	158	33.4	ND	18.1	ND	4.350	335	148	ND	ND	ND	ND
-	-	Method Reporting Limit (MRL)	20	5	0.662	0.1	0.02	0.1	0.01	1	2	20	4	0.5	1	1
		Minimum:	120	ND	154	33.4	ND	17.2	ND	3.760	323	148	ND	ND	ND	ND
		Maximum:	124	ND	165	35.5	ND	18.8	ND	4.430	335	230	4	ND	ND	ND
		Average:	123	ND	160	34.3	ND	18.2	ND	4.240	331	184	ND	ND	ND	ND
Oct. 2014	1	Wellfield No. 7 (Kocher) - 7A Well No. 78	204	ND	265	73.5	0.03	19.9	ND	6.700	456	248	ND	ND	13.7	1.0
Nov. 2014	2	Wellfield No. 7 (Kocher) - 7A Well No. 78	218	ND	267	69.0	ND	23.0	ND	7.560	521	248	ND	ND	ND	ND
Dec. 2014	3	Wellfield No. 7 (Kocher) - 7A Well No. 78	224	ND	292	75.5	ND	25.2	ND	7.450	456	256	ND	ND	ND	ND
Jan. 2015	4	Wellfield No. 7 (Kocher) - 7A Well No. 78	245	ND	245	60.8	ND	22.7	ND	5.950	401	210	ND	ND	ND	ND
-	-	Method Reporting Limit (MRL)	20	5	0.662	0.1	0.02	0.1	0.01	1	2	20	4	0.5	1	1
		Minimum:	204	ND	245	60.8	ND	19.9	ND	5.950	401	210	ND	ND	ND	ND
		Maximum:	245	ND	292	75.5	0.03	25.2	ND	7.560	521	256	ND	ND	13.7	1.0
		Average:	223	ND	267	69.7	ND	22.7	ND	6.915	459	241	ND	ND	ND	ND
Oct. 2014	1	Wellfield No. 7 (Kocher) - 7B Well Nos. 73/71	178	ND	233	58.5	ND	21.2	ND	6.110	423	174	ND	ND	ND	ND
Nov. 2014	2	Wellfield No. 7 (Kocher) - 7B Well Nos. 73/71	212	ND	260	78.8	0.048	15.4	ND	7.940	500	254	ND	ND	2.0	ND
Dec. 2014	3	Wellfield No. 7 (Kocher) - 7B Well Nos. 73/71	216	ND	275	83.7	0.082	16.1	ND	8.050	496	228	ND	ND	1.0	ND
Jan. 2015	4	Wellfield No. 7 (Kocher) - 7B Well Nos. 73/71	218	ND	252	72.3	ND	17.4	ND	6.546	497	264	ND	ND	ND	ND
-	-	Method Reporting Limit (MRL)	20	5	0.662	0.1	0.02	0.1	0.01	1	2	20	4	0.5	1	1
		Minimum:	178	ND	233	58.5	ND	15.4	ND	6.110	423	174	ND	ND	ND	ND
		Maximum:	218	ND	275	83.7	0.082	21.2	ND	8.050	500	264	ND	ND	2.0	ND
		Average:	206	ND	255	73.3	ND	17.5	ND	7.162	479	230	ND	ND	1.5	ND