

Draft
Table 3
Withdrawal Well/Spring Water Quality Data

Chamberlain Springs LLC
Alton, New Hampshire

PARAMETER	MCL mg/L	Alton Spring #1				Alton 1				Alton 2				Alton 4						
		11/25/2003	11/25/2003	6/30/2005	7/7/2005	12/6/2006	1/28/2006	2/3/2006	2/10/2006	7/7/2005	1/26/2006	1/28/2006	2/3/2006	2/10/2006	6/30/2005	7/7/2005	1/26/2006	1/28/2006	2/3/2006	2/10/2006
Arsenic	0.01	<0.010	<0.010		0.002 / <0.001		0.002 / 0.018	0.017 / 0.018				0.014	0.015 / 0.016			0.018 / 0.020			0.016	0.019 / 0.021
Barium	2	<0.010	<0.010		0.002 / <0.01		<0.001 / <0.010	<0.001 / <0.010				<0.001	<0.001			<0.001 / <0.010			<0.001	<0.001
Copper	1.0	<0.0050	<0.0050		0.16 / 0.018		<0.001 / 0.0088	<0.001 / 0.0088				<0.001	<0.001			<0.001 / 0.048			<0.001	<0.001
Iron	0.3	0.041	0.14	0.5	0.1 / 0.16		<0.05 / <0.040	<0.05 / <0.040			0.07	0.06	<0.001 / <0.001			<0.05			<0.05	<0.05
Lead	0.015	<0.0010	<0.0010		0.22 / 0.015		<0.001 / <0.001	<0.001 / <0.001			<0.0050	<0.001 / <0.001	<0.001 / <0.001			<0.001 / 0.028			<0.001 / <0.001	<0.001 / <0.001
Manganese	0.05	0.0076	0.015	0.011	0.009 / 0.012		<0.005 / <0.0050	<0.005 / <0.0050			<0.0050	0.007	0.008			<0.005 / 0.0051			<0.005	<0.005
Magnesium	-	0.74	1.7		1.8		1.3	1.3								1.7			<0.001	<0.001
Nickel	0.1	<0.0050	<0.0050		0.001 / <0.005		0.005 / 0.0079	0.005 / 0.0079				0.004	0.005			<0.001 / <0.0050			<0.001	<0.001
Potassium	-	<0.50	1.1		1.3		<0.50	<0.50								0.87				
Sodium	-	1.6	2.8	<5	<5 / 2.7		<5 / 2.8	<5 / 2.8								<5				
Zinc	5	<0.020	0.11		0.14 / 0.085		0.088 / 0.11	0.088 / 0.11				0.066	0.081			0.072 / 0.16			0.1	0.1
Calcium	-	6.5	12		15		26	26				13	11			22			9.4	9.1
Bromide	-	-	-		-		<0.1	<0.1				<0.1	<0.1			<0.1			<0.1	<0.1
Bromate	-	-	-		-		<0.005	<0.005				<0.005	<0.005			<0.005			<0.005	<0.005
Chloride	250	1.4	2.3	1	1 / 1.6		1 / 1.3	1 / 1.3			1	1	1			2 / 2.6			2	3
Fluoride	4	0.071	0.34		0.3 / 0.31		0.2 / 0.25	0.2 / 0.25								0.6 / 0.64				
Nitrate	10	<0.050	<0.050	<0.5	<0.5 / <0.050		<0.5 / 0.087	<0.5 / 0.087			<0.5	<0.5	<0.5			<0.5 / <0.050			<0.5	<0.5
Sulfate	250	2.8	11		9 / 9.4		8 / 8.4	8 / 8.4			62	59	9			13 / 14			13	13
Hardness	-	16	31	37	26 / 38		45 / 64	45 / 64								36 / 54				
Uranium	0.03	-	-		0.0059 / 0.00271		0.031 / 0.0141	0.031 / 0.0141								0.013 / 0.00680				
Chloromethane	-	<0.0005	<0.0005	<0.0005	<0.0005 / <0.0005		<0.0005 / <0.0005	<0.0005 / <0.0005			<0.0005	<0.0005	<0.0005			0.0005 / <0.0005			<0.005	<0.005
Total Alkalinity (CaCO3)	-	15	30		34 / 36		53 / 56	53 / 56								41 / 44			40.8 field / 43 lab	50 field
Gross Alpha (pCi/L)	15	-	-		3.1 / 3.67		12.1 / 12.4	12.1 / 12.4								5.2 / 5.14				
Gross Beta (pCi/L)	50	-	-		4.42		3.02	3.02								2.68				
Combined Radium 226 + 228	5 + 5	-	-		0.3 / 0.37		0.1 / 0.48	0.1 / 0.48								0.9 / 0.65				
Radium 226 (pCi/L)	5	-	-		0.3 / 0.631		0.1 / 0.089	0.1 / 0.089								0.1 / 0.042				
Radium 228 (pCi/L)	5	-	-		0 / 0.743		0 / 0.417	0 / 0.417								0.8 / 0.610				
Radon 222 (pCi/L)	-	-	-		8969 / 15139		2873 / 4664	2873 / 4664								2369 / 3768				
Specific Conductance uS/cm	-	38.8	92.1	92	97 / 110		130 / 125	130 / 125			130	130	97			130 / 147				
Corrosivity	-	-3.6	-2.8		-1.4		0.21	0.21								-1.1				
pH (std units)	6.5-8.5	5.76	6.04	6.0	6.2 / 7.2		7.1 / 8.4	7.1 / 8.4			7.1	7.3	8 field			6.5 / 7.25			8.1 field / 6.8 lab	7.07 field
Total Dissolved Solids	500	23	63		52		76	76			7.1	7.3	8 field			6.0			7.71 field	7.07 field
Turbidity (ntu)	1 to 5	0.11	0.32		0.55		0.1	0.1			83	83	73			75			83	72
Odor (T.O.N.)	3	<1.0	<1.0		2		1	1			<1	<1	<1			<0.1			<1	<1
Total Phenolics	0.001	0.03	0.0011		<0.001		0.0012	0.0012								4.0				
Heterotrophic Plate Count (cfu/mL)	-	-	-		4.0		7.0	7.0								2.0				
Total Coliform	Absent	-	-		Absent		Absent	Absent								Present				

- Notes:
- Groundwater samples were collected by GZA GeoEnvironmental, Inc. on the dates indicated.
 - Samples were analyzed by Eastern Analytical, Inc. (EAI) of Concord, New Hampshire and Compliance Designs (CD) of Weare, New Hampshire. Parameters with two values shown were analyzed by EAI and CD, respectively.
 - Concentrations are in milligrams per liter (mg/L) unless otherwise noted.
 - "pCi/L" indicates picocuries per liter; "uS/cm" indicates microSiemens per centimeter; "ntu" indicates nephelometric turbidity units; and "T.O.N." indicates Threshold Odor Number.
 - Shading indicates the concentration is equal to or exceeds the maximum contaminant level set forth by Environmental Protection Agency for drinking water.
 - "-" indicates no standard established.
 - "-" indicates no sample collected for analysis of the referenced parameter.
 - Yellow shading indicates sample submitted for laboratory analysis, awaiting results.
 - Data not in brackets [] indicate results of dissolved Pb analysis.
 - (Dup_) indicates duplicate sample submitted to laboratory awaiting results.
 - "<" indicates result of laboratory analysis is less than analytical laboratory reporting limit shown.
 - "Day" indicates day of long-term withdrawal test relative to start on Day 1.
 - "field" indicates measurement made in field by GZA; data not indicated as "field" are based on laboratory analysis of samples.
 - Data in blue provided by NHDES.