NORTHEAST ENVIRONMENTAL LABS, INC.

ENVIRONMENTAL & WATER TESTING

Sample Number:	160316-052	Report Date:	3/24/16
Customer Name:	Jay Wragg – c/o Wragg Brothers Well & Pump	Date Collected:	3/16/16
Address:	P.O. Box 110	Time Collected:	11:30am
	Ascutney, VT 05030	Date Received:	3/16/16
Sample Location:	Top of well – Town of Plainfield Garage	Time Analyzed:	12:00pm
	Stage Road – Plainfield, NH	Date Analyzed:	3/16/16

ANALYTICAL RESULTS

Parameters	Sample results	MCL	Description	MDL
Total Coliform Bacteria	0 colonies per 100 ml	0 colonies per 100 ml	This sample is potable for Total Coliform Bacteria.	0 colonies per 100 ml
E coli	0 colonies per 100 ml	0 colonies per 100 ml	This sample is potable for E coli.	0 colonies per 100 ml
Chloride	40 mg/L	250 mg/L	High Chloride is usually accompanied by elevated sodium.	0.1 mg/L
Sodium	20 mg/L	250 mg/L	Elevated Sodium and Chloride combined are usually caused by road salt contamination	0.01 mg/L
Copper	ND	1.0 mg/L	Has toxic effects at high levels.	0.01 mg/L
Hardness	51 mg/L	75-150 mg/L Moderate	0-75 mg/L=Soft; 150-300 mg/L=Hard; more than 300 mg/L=Very Hard.	1 mg/L
Iron	***0.8 mg/L**	0.3 mg/L	There are no known health effects from elevated iron.	0.03 mg/L
Manganese	0.02 mg/L	0.05 mg/L	There are no known health effects from elevated manganese.	0.01 mg/L
pH	7.7	6.5 – 8.5	Less than 6.5 is corrosive water. Greater than 8.5 can cause scaling in pipes.	0
Alkalinity	51 mg/L	250 mg/L	Most drinking water has alkalinity in the range of 10-500 mg/L	1 mg/L
Lead	ND	0.015 mg/L	Lead can cause serious health problems, especially for babies, children and pregnant women.	0.001 mg/L
Nitrate	0.34 mg/L	10 mg/L	Sources: nature, sewage, septic systems, animal waste fertilizer run-off.	0.01 mg/L
Nitrite	ND	1.0 mg/L	Same as nitrate; rapidly converted to nitrate.	0.01 mg/L
Total Nitrate/Nitrite	0.34 mg/L	10 mg/L	May affect your health if above maximum contaminant level.	0.01 mg/L
Arsenic	ND	0.010 mg/L	Arsenic in water can result from both natural processes and industrial activities, including smelting operations, use of arsenic pesticides and industrial waste disposal	0.001 mg/L
Fluoride	ND	2.4 mg/L	Children regularly drink water with 0.7-1.2 mg/L of fluoride should not receive fluoride supplements.	0.2 mg/L

Laboratory Signature: Brian Fate

*** = Exceeds EPA Guidelines** ND = Level is Below Detection Limit NT = Not Tested
MCL = EPA Maximum Contamination Level MDL = Minimum Detection Level

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