NORRIS A. PREBLE CO., INC.
Plumbing & Heating
PO Box 59
MADISON ME 04950
(207) 696-5581 696-8107
FAX #696-3185

LETTER OF TRANSMITTAL

DATE	JOB NO.
6/2/17	
ATTENTION	
RE: JCC	

TO Ledgewood Construction

27 Main Street

So. Portland ME 04106

WE ARE SENDING YOU ☒ Attached ☐ Under separate cover via _____ the following items:

☐ Shop drawings ☐ Prints ☐ Plans ☐ Samples ☐ Specifications

☐ Copy of letter ☐ Change order ☒ Water Analysis Report

COPIES	DATE	NO.	DESCRIPTION
1			Domestic water analysis report

THESE ARE TRANSMITTED as checked below:

☐ For approval ☐ Approved as submitted ☐ Resubmit _____ copies for approval

☐ For your use ☐ Approved as noted ☐ Submit _____ copies for distribution

☐ As requested ☐ Returned for corrections ☐ Return _____ corrected prints

☒ For review and comment ☐ _____

☐ FOR BIDS DUE _____ ☐ PRINTS RETURNED AFTER LOAN TO US

REMARKS _____

COPY TO File

SIGNED: Stephen Michaud

If enclosures are not as noted, kindly notify us at once.

Northeast Laboratory Services

P.O. BOX 788
Waterville Maine, 04901-0788

227 China Road
Winslow Maine, 04901

Administrative Offices
Phone: 1-207-873-7711
Fax: 1-207-873-7022

Customer Service
Phone: 1-800-244-8378
Fax: 1-207-873-7022

Certificate of Analysis

Attention: Norris A Preble Company Inc
5 South Main St
PO Box 59
Madison, ME 04950

Lab ID Number: 301704630
P.O. Number: 301704630 Jewish
Date/Time Collected: 5/30/2017 15:50
Date/Time Received: 5/31/2017 09:00
Date Reported: 6/1/2017

Owner: Jewish Community Center
Location 1342 Congress St Portland ME
Sample Type: Potability

Legend
- Meets Acceptable EPA Limits
- See Notation
- Does Not Meet EPA Limits

Parameter:		Your Result:	EPA LIMIT:	Unit:	Method:	Preperation Date/Time	Analysis Date/Time:	Reporting Limit:
Chloride, Total	✓	9.9	250	mg/L	EPA 300.0		5/31/2017 / 17:34	1.0
Fluoride	✓	0.58	4.0	mg/L	EPA 300.0		5/31/2017 / 17:34	0.4(
Nitrite-Nitrogen, Total	✓	<0.20	1	mg/L	EPA 300.0		5/31/2017 / 17:34	0.2(
Nitrate-Nitrogen, Total	✓	<2.0	10	mg/L	EPA 300.0		5/31/2017 / 17:34	2.0
Arsenic, Total	✓	<1.00	10.0	ug/L	EPA 200.8	5/31/2017 / 15:30	6/1/2017 / 10:46	1.0(
Lead Total	✓	<1.00	15.0	ug/L	EPA 200.8	5/31/2017 / 15:30	6/1/2017 / 10:46	1.0(
Copper Total	✓	<0.05	1.3	mg/L	EPA 200.7	5/31/2017 / 15:30	6/1/2017 / 10:23	0.0!
Iron Total	✓	<0.05	.3	mg/L	EPA 200.7	5/31/2017 / 15:30	6/1/2017 / 10:23	0.0!
Hardness by calculation		<10		mg/L	SM2340B	5/31/2017 / 15:30	6/1/2017 / 10:23	10
Manganese Total	✓	<0.02	.05	mg/L	EPA 200.7	5/31/2017 / 15:30	6/1/2017 / 10:23	0.0!
Sodium Total	✓	8.8	20.0	mg/L	EPA 200.7	5/31/2017 / 15:30	6/1/2017 / 10:23	1.0
pH Electrometric	✓	7.05	6.5 to 8.5	stu@25C	EPA 150.1		5/31/2017 / 14:02	2.0
Total Coliform Colilert Presence/Absence	✓	Absent		/100mL	SM9223B	5/31/2017 / 14:10	6/1/2017 / 14:10	0
E.Coli - Colilert Precence/Absent	✓	Absent	Absent	/100mL	SM9223B	5/31/2017 / 14:10	6/1/2017 / 14:10	0

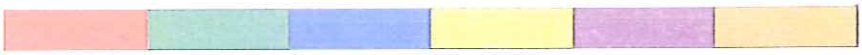
Comments:

✓ For the above tests only, this water meets acceptable EPA Limits.

According to EPA methods 300.0 and 353.2 nitrate and nitrite samples must be thermally preserved to 4±2°C. However, the Maine CDC Drinking Water Program will accept non-thermally preserved test results.

The following Notations may be referenced above.

Notation 1: The Maximum Exposure Guideline (MEG) is a health-based guideline set by the Maine Center for Disease Control and Prevention (MECDC). MEGs are recommendations for concentrations of chemical contaminants for all drinking water systems below which there is minimal risk of a harmful health effect resulting from long-term ingestion of contaminated water. These recommendations can be found online at <http://www.maine.gov/dhhs/mecdc/environmental-health/eohp/wells/documents/megtableoct2012.pdf>. Please contact one of the State of Maine's Bureau of Health Toxicologists, toll free, at 1-866-292-3474 for more information.



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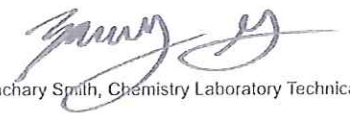
Notation 2: The Maximum Contamination Level (MCL) is set by the United States Environmental Protection Agency (USEPA) through the National Primary Drinking Water Regulations and are legally enforceable drinking water standards that apply to all public water systems. These regulations can be found online at <http://water.epa.gov/drink/contaminants/index.cfm> or by calling the Safe Drinking Water Hotline at 1-800-426-4791. Contaminants at or above the MCL are considered to impart potential negative health effects.

Notation 3: The Secondary Maximum Contamination Level (SMCL) is set by the United States Environmental Protection Agency (USEPA) through the National Secondary Drinking Water Regulations and these contaminants are not considered to present a risk to human health at the SMCL. These regulations can be found online at <http://water.epa.gov/drink/contaminants/secondarystandards.cfm> or by calling the Safe Drinking Water Hotline at 1-800-426-4791. Contaminants at or above (or below, only for pH) the SMCL may cause aesthetic considerations, such as taste, color and/or odor.

Notation 4: According to the EPA revised total coliform rule (effective April 1st, 2016) total coliform bacteria are no longer considered a primary contaminant. Total coliform bacteria are still used as indicator organisms for the presence of pathogens. Their presence in drinking water may indicate there is a route for pathogens (certain bacteria, viruses or protozoa) to enter the drinking water. Even though there is no longer an EPA limit, the presence of total coliform bacteria in drinking water is a problem requiring further action and investigation. If your water has tested positive for total coliform bacteria it is important to examine your water system and take action to eliminate the total coliform bacteria when possible. Please see the well disinfection procedure for more information @ <http://www.nelabservices.com/pdf/Well-Disinfection-Instructions.pdf>.

If you have any questions regarding your results please call 1-800-244-8378 ext 300

Authorized By

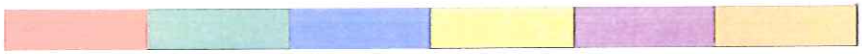


Zachary Smith, Chemistry Laboratory Technical Director

6/1/2017
Review Date

Analytical results and reports are generated by NEL at the request of and for the exclusive use of the person or entity (client) named on this report. Results, reports, or copies of same will not be released by NEL to any third party without the prior express written consent from the client named in this report. This report applies only to those samples taken at the time, place, and location referenced by the client. This report makes no express or implied warranty or guarantee as to the sampling methodology used by the individual performing the sampling. The client is solely responsible for the use and interpretation of these results, NEL does not make express or implied warranties as to such use or interpretation. NEL is not able to make and does not make a determination as to the environmental soundness, safety or health of a property from only the samples sent to their laboratory for analysis. Unless otherwise specified by the Client, NEL reserves the right to dispose of all samples after the testing of such samples is sufficiently completed or after a thirty-day period, whichever period is greater. NEL's liability extends only to the cost of the testing.

Winslow lab is proudly accredited by the Maine Department of Health and Human Services, Maine Center for Disease Control and Prevention (ME00009).



WATER ANALYSES INTERPRETATION

(based on the USGS, Federal & State EPA, and Maine CDC Guidelines for Drinking Water)

pH

Normal range: 6.5 to 8.5

Generally waters having a pH below 6.5 are acidic and above 7.5 are alkaline. Corrosion has been associated with low pH; water may have a sour taste if less than 4.0. If pH exceeds 8.5, water may have an alkali taste and scale may form in pipes.

CHLORIDE

Normal range: 1 to 2 mg/L

Chlorides in normal ground waters fall in the 1 to 2 mg/L range, and in reasonable concentration are not harmful to humans.
Concentrations of 250 mg/L and above give a salty taste to water and could cause corrosion of pipes and plumbing fixtures. Elevated chlorides may result from saltwater intrusion or road salt contamination of the well water.

HARDNESS (as calcium carbonate)

Less than 60 mg/L:	Soft
61-120 mg/L:	Moderately Hard
121-180 mg/L:	Hard
180 mg/L or greater:	Very Hard

Because of adverse action with soap, and a tendency to produce scale in hot water pipes, heaters, etc., it may be desirable to install a water softener.

NITRATE & NITRITE

Nitrates may be naturally occurring compounds during the decay of organic or plant material. Elevated concentrations may originate from fertilized fields, manure piles, or from septic contamination.

Nitrates in high concentration cause methemoglobinemia or so-called nitrate poisoning in infants. Supplies with 10 or more mg/L are judged unsatisfactory and are not considered safe for drinking or cooking.

COPPER

Copper is an essential element in human metabolism and does not constitute a health hazard, but does impart an undesirable taste to water when present in concentrations above 1 mg/L. At concentrations above 1.3 mg/L, intestinal distress may result.

LEAD

Lead in high concentration can cause kidney and nervous system damage. *The Maine State Maximum Exposure Guideline (MEG) is set at 10 ug/L for Lead in drinking water by the Maine Center for Disease Control (MECDC). This guideline for drinking water set by the State suggests that anything over the MEG is considered to be potentially harmful to human health. Questions regarding Lead or any other drinking water contaminants should be directed to the Maine State Toxicologists at 1-866-292-3474 (toll free for in-state calls only) or 207-287-4311.

IRON & MANGANESE

Both Iron & Manganese are highly objectionable constituents in water supplies. These metals impart a brownish color to laundered goods and can appreciably affect the taste of water. Manganese only in concentrations, above 0.05 mg/L, Parkinsonian type symptoms may occur. Iron only over 5.0 mg/L could potentially cause health issues.

COLIFORM / E.COLI BACTERIA

Total coliforms are a diverse group of bacteria that are present in solids, plant matter, and occur as normal intestinal microorganisms of humans and animals. While coliform bacteria themselves are not harmful, they are an indicator of the potential presence of disease causing organisms.
E. coli is a member of the coliform group of bacteria and may be associated with septic contamination of groundwater or fecal contamination of surface runoff.

ARSENIC

Arsenic in high concentrations is carcinogenic and can cause liver and kidney damage.

SODIUM

Persons affected with certain diseases require water with a low sodium concentration (20 mg/L or less).

FLUORIDE

Fluoride is helpful in dental health as above. However, excessive consumption of naturally occuring fluoride can damage bone tissue (dental fluorosis).

Less than 0.2-0.29 mg/L:	Show a very small amount of fluoride and are not enough to prevent tooth decay.
0.3-0.7 mg/L:	Show that some fluoride is present but it may not be enough to protect children's teeth.
0.7 mg/L or higher:	Show a level of fluoride that is high enough to help protect children against tooth decay.

URANIUM

Uranium in high concentrations can harm kidneys and may cause cancer.