

**Consumer Confidence Report
Certification Form**
(to be submitted with a copy of the CCR)

2017

**(to certify electronic delivery of the CCR, use the certification form on the State Board's website at
http://www.waterboards.ca.gov/drinking_water/certlic/drinkingwater/CCR.shtml)**

Water System Name: John Muir Charter School

Water System Number: 2900601

The water system named above hereby certifies that its Consumer Confidence Report was distributed on May 2, 2018 (date) to customers (and appropriate notices of availability have been given). Further, the system certifies that the information contained in the report is correct and consistent with the compliance monitoring data previously submitted to the State Water Resources Control Board, Division of Drinking Water.

Certified by: Name: Jordan Kohler
Signature: [Handwritten Signature]
Title: Director of Maintenance & Operations
Phone Number: (530) 273-3351 Date: 2 May 2018

To summarize report delivery used and good-faith efforts taken, please complete the below by checking all items that apply and fill-in where appropriate:

CCR was distributed by mail or other direct delivery methods. Specify other direct delivery methods used: _____

"Good faith" efforts were used to reach non-bill paying consumers. Those efforts included the following methods:

- Posting the CCR on the Internet at www.NJUHSD.COM
- Mailing the CCR to postal patrons within the service area (attach zip codes used)
- Advertising the availability of the CCR in news media (attach copy of press release)
- Publication of the CCR in a local newspaper of general circulation (attach a copy of the published notice, including name of newspaper and date published)
- Posted the CCR in public places (attach a list of locations) - on site & @ Dist. Ct office
- Delivery of multiple copies of CCR to single-billed addresses serving several persons, such as apartments, businesses, and schools
- Delivery to community organizations (attach a list of organizations)
- Other (attach a list of other methods used) Mailed to John Muir to Post.

For systems serving at least 100,000 persons: Posted CCR on a publicly-accessible internet site at the following address: www._____

For privately-owned utilities: Delivered the CCR to the California Public Utilities Commission

This form is provided as a convenience and may be used to meet the certification requirement of section 64483(c), California Code of Regulations.

2017 Consumer Confidence Report

Water System Name: Nevada Joint USD Report Date: 2017

We test the drinking water quality for many constituents as required by state and federal regulations. This report shows the results of our monitoring for the period of January 1 - December 31, 2017 and may include earlier monitoring data.

Este informe contiene información muy importante sobre su agua potable. Tradúzcalo ó hable con alguien que lo entienda bien.

Type of water source(s) in use: Groundwater Well

Name & general location of source(s): Well 01

Drinking Water Source Assessment information: None Available

Time and place of regularly scheduled board meetings for public participation: Please contact Mr. *Koehler* at the number below for more information

For more information, contact: *Jordan Koehler* Phone: (530) 273-3351

TERMS USED IN THIS REPORT

Maximum Contaminant Level (MCL): The highest level of a contaminant that is allowed in drinking water. Primary MCLs are set as close to the PHGs (or MCLGs) as is economically and technologically feasible. Secondary MCLs are set to protect the odor, taste, and appearance of drinking water.

Maximum Contaminant Level Goal (MCLG): The level of a contaminant in drinking water below which there is no known or expected risk to health. MCLGs are set by the U.S. Environmental Protection Agency (U.S. EPA).

Public Health Goal (PHG): The level of a contaminant in drinking water below which there is no known or expected risk to health. PHGs are set by the California Environmental Protection Agency.

Maximum Residual Disinfectant Level (MRDL): The highest level of a disinfectant allowed in drinking water. There is convincing evidence that addition of a disinfectant is necessary for control of microbial contaminants.

Maximum Residual Disinfectant Level Goal (MRDLG): The level of a drinking water disinfectant below which there is no known or expected risk to health. MRDLGs do not reflect the benefits of the use of disinfectants to control microbial contaminants.

Primary Drinking Water Standards (PDWS): MCLs and MRDLs for contaminants that affect health along with their monitoring and reporting requirements, and water treatment requirements.

Secondary Drinking Water Standards (SDWS): MCLs for contaminants that affect taste, odor, or appearance of the drinking water. Contaminants with SDWSs do not affect the health at the MCL levels.

Treatment Technique (TT): A required process intended to reduce the level of a contaminant in drinking water.

Regulatory Action Level (AL): The concentration of a contaminant which, if exceeded, triggers treatment or other requirements that a water system must follow.

Variations and Exemptions: State Board permission to exceed an MCL or not comply with a treatment technique under certain conditions.

Level 1 Assessment: A Level 1 assessment is a study of the water system to identify potential problems and determine (if possible) why total coliform bacteria have been found in our water system.

Level 2 Assessment: A Level 2 assessment is a very detailed study of the water system to identify potential problems and determine (if possible) why an *E. coli* MCL violation has occurred and/or why total coliform bacteria have been found in our water system on multiple occasions.

ND: not detectable at testing limit

ppm: parts per million or milligrams per liter (mg/L)

ppb: parts per billion or micrograms per liter (µg/L)

ppt: parts per trillion or nanograms per liter (ng/L)

ppq: parts per quadrillion or picogram per liter (pg/L)

pCi/L: picocuries per liter (a measure of radiation)

The sources of drinking water (both tap water and bottled water) include rivers, lakes, streams, ponds, reservoirs, springs, and wells. As water travels over the surface of the land or through the ground, it dissolves naturally-occurring minerals and, in some cases, radioactive material, and can pick up substances resulting from the presence of animals or from human activity.

Contaminants that may be present in source water include:

- *Microbial contaminants*, such as viruses and bacteria, that may come from sewage treatment plants, septic systems, agricultural livestock operations, and wildlife.
- *Inorganic contaminants*, such as salts and metals, that can be naturally-occurring or result from urban stormwater runoff, industrial or domestic wastewater discharges, oil and gas production, mining, or farming.
- *Pesticides and herbicides*, that may come from a variety of sources such as agriculture, urban stormwater runoff, and residential uses.
- *Organic chemical contaminants*, including synthetic and volatile organic chemicals, that are byproducts of industrial processes and petroleum production, and can also come from gas stations, urban stormwater runoff, agricultural application, and septic systems.
- *Radioactive contaminants*, that can be naturally-occurring or be the result of oil and gas production and mining activities.

In order to ensure that tap water is safe to drink, the U.S. EPA and the State Water Resources Control Board (State Board) prescribe regulations that limit the amount of certain contaminants in water provided by public water systems. State Board regulations also establish limits for contaminants in bottled water that provide the same protection for public health.

Tables 1, 2, 3, 4, 5, and 6 list all of the drinking water contaminants that were detected during the most recent sampling for the constituent. The presence of these contaminants in the water does not necessarily indicate that the water poses a health risk. The State Board allows us to monitor for certain contaminants less than once per year because the concentrations of these contaminants do not change frequently. Some of the data, though representative of the water quality, are more than one year old. Any violation of an AL, MCL, MRDL, or TT is asterisked. Additional information regarding the violation is provided later in this report.

TABLE 1 – SAMPLING RESULTS SHOWING THE DETECTION OF COLIFORM BACTERIA					
Microbiological Contaminants (complete if bacteria detected)	Highest No. of Detections	No. of Months in Violation	MCL	MCLG	Typical Source of Bacteria
Total Coliform Bacteria (state Total Coliform Rule)	(In a mo.) 4	5	1 positive monthly sample	0	Naturally present in the environment
Fecal Coliform or <i>E. coli</i> (state Total Coliform Rule)	(In the year) 0	0	A routine sample and a repeat sample are total coliform positive, and one of these is also fecal coliform or <i>E. coli</i> positive		Human and animal fecal waste
<i>E. coli</i> (federal Revised Total Coliform Rule)	(In the year) 0	0	(a)	0	Human and animal fecal waste
(a) Routine and repeat samples are total coliform-positive and either is <i>E. coli</i> -positive or system fails to take repeat samples following <i>E. coli</i> -positive routine sample or system fails to analyze total coliform-positive repeat sample for <i>E. coli</i> .					

TABLE 2 – SAMPLING RESULTS SHOWING THE DETECTION OF LEAD AND COPPER								
Lead and Copper (complete if lead or copper detected in the last sample set)	Sample Date	No. of Samples Collected	90 th Percentile Level Detected	No. Sites Exceeding AL	AL	PHG	No. of Schools Requesting Lead Sampling	Typical Source of Contaminant
Lead (ppb) (* See attached notification Template)	2014	5	Non-Detected	0	15	0.2	0	Internal corrosion of household water plumbing systems; discharges from industrial manufacturers; erosion of natural deposits
Copper (ppb) (* See attached notification Template)	2014	5	71	0	1300	0.3	Not applicable	Internal corrosion of household plumbing systems; erosion of natural deposits; leaching from wood preservatives

TABLE 3 – SAMPLING RESULTS FOR SODIUM AND HARDNESS

Chemical or Constituent (reporting units)	Sample Date	Level Detected	MCL	PHG (MCLG)	Typical Source of Contaminant
Sodium (ppm)	2014	7.8	none	none	Salt present in the water and is generally naturally occurring
Hardness (ppm)	2014	100	none	none	Sum of polyvalent cations present in the water, generally magnesium and calcium, and are usually naturally occurring

TABLE 4 – DETECTION OF CONTAMINANTS WITH A PRIMARY DRINKING WATER STANDARD

Chemical or Constituent (reporting units)	Sample Date	Level Detected	MCL [MRDL]	PHG (MCLG) [MRDLG]	Typical Source of Contaminant
Beryllium (ppb)	2016	3.4	4	1	Discharge from metal refineries, coal-burning factories, and electrical, aerospace, and defense industries

TABLE 5 – DETECTION OF CONTAMINANTS WITH A SECONDARY DRINKING WATER STANDARD

Chemical or Constituent (and reporting units)	Sample Date	Level Detected	MCL	PHG (MCLG)	Typical Source of Contaminant
Chloride (ppm)	2014	3.7	500	N/A	Runoff/leaching from natural deposits; seawater influence
Turbidity (NTU)	2014	1.7	5	N/A	Soil run-off
Hardness	2014	100	N/A	N/A	Erosion of natural deposits
Total Dissolved Solids (ppm)	2014	145	1000	N/A	Run-off/leaching from natural deposits
Iron (ppb)	2014	272	300	N/A	Leaching from natural deposits; Industrial wastes
Specific Conductance (µmhos/cm)	2014	277	1600	N/A	Substances that form ions when in water; seawater influence
Sulfate (ppm)	2014	20.7	500	N/A	Runoff/leaching from natural deposits; industrial wastes
Manganese (ppb)	2014	27	50	N/A	Leaching from natural deposits; industrial wastes

Additional General Information on Drinking Water

Drinking water, including bottled water, may reasonably be expected to contain at least small amounts of some contaminants. The presence of contaminants does not necessarily indicate that the water poses a health risk. More information about contaminants and potential health effects can be obtained by calling the U.S. EPA's Safe Drinking Water Hotline (1-800-426-4791).

Some people may be more vulnerable to contaminants in drinking water than the general population. Immuno-compromised persons such as persons with cancer undergoing chemotherapy, persons who have undergone organ transplants, people with HIV/AIDS or other immune system disorders, some elderly, and infants can be particularly at risk from infections. These people should seek advice about drinking water from their health care providers. U.S. EPA/Centers for Disease Control (CDC) guidelines on appropriate means to lessen the risk of infection by *Cryptosporidium* and other microbial contaminants are available from the Safe Drinking Water Hotline (1-800-426-4791).

Lead-Specific Language for Community Water Systems: If present, elevated levels of lead can cause serious health problems, especially for pregnant women and young children. Lead in drinking water is primarily from materials and components associated with service lines and home plumbing. Nevada Joint USD is responsible for providing high quality drinking water, but cannot control the variety of materials used in plumbing components. When your water has been sitting for several hours, you can minimize the potential for lead exposure by flushing your tap for 30 seconds to 2 minutes before using water for drinking or cooking. If you do so, you may wish to collect the flushed water and reuse it for another beneficial purpose, such as watering plants. If you are concerned about lead in your water, you may wish to have your water tested. Information on lead in drinking water, testing methods, and steps you can take to minimize exposure is available from the Safe Drinking Water Hotline (1-800-426-4701) or at <http://www.epa.gov/lead>.

Summary Information for Federal Revised Total Coliform Rule Level 1 and Level 2 Assessment Requirements

Level 1 or Level 2 Assessment Requirement not Due to an *E. coli* MCL Violation

Coliforms are bacteria that are naturally present in the environment and are used as an indicator that other, potentially harmful, waterborne pathogens may be present or that a potential pathway exists through which contamination may enter the drinking water distribution system. We found coliforms indicating the need to look for potential problems in water treatment or distribution. When this occurs, we are required to conduct assessment(s) to identify problems and to correct any problems that were found during these assessments.

During the past year we were required to conduct five Level 1 assessment(s). Three Level 1 assessment(s) were completed. In addition, we were required to take corrective actions and we completed the following actions: Protect & secure sample taps, replacement of holding tank, check and replace any faulty screens in the aerator(s).

Level 1 Assessment: A Level 1 assessment is a study of the water system to identify potential problems and determine (if possible) why total coliform bacteria have been found in our water system.

APPENDIX 2. NOTIFICATION TEMPLATE

IMPORTANT INFORMATION ABOUT YOUR DRINKING WATER

Este informe contiene información muy importante sobre su agua potable.
 Por favor hable con alguien que lo pueda traducir.

**Lead and Copper Monitoring and Reporting Requirements
 Not Met for John Muir Water System During
 Compliance Period 2015-2017**

Our water system recently violated a drinking water standard. Although this is not an emergency, as our customers, you have a right to know what happened, what you should do, and what we did to correct the situation.

We are required to monitor your drinking water for specific contaminants on a regular basis. Results of regular monitoring are an indicator of whether or not our drinking water meets health standards. During Compliance Period 2015-2017 we did not meet all monitoring or reporting requirements for lead and copper testing and therefore cannot be sure of the quality of our drinking water during that time.

What should I do?

- There is nothing you need to do at this time.
- The table below lists the contaminant we did not properly test for during the Compliance Period 2015-2017, how many samples we are required to take and how often, how many samples we took, when samples should have been taken, and the date on which follow-up samples were will be taken.

Contaminant	Required sampling frequency	Number of samples taken	When all samples should have been taken	When samples will be taken
Lead and Copper	Every 3 years during June 1- Sept. 30	None	June 1- Sept. 30 of 2017	June 1- Sept. 30 of 2018

- If you have health issues concerning the consumption of this water, you may wish to consult your doctor.

What happened? What is being done? System was under construction, or site was not occupied for most of the testing window June1-Sept30 2017

Describe corrective action System will be sampled June 1-Sept 30 of 2018

We anticipate resolving the problem within 9 Months (estimated time frame)

For more information, please contact:

Jordan Kohler -NJUHSD

11645 Ridge Rd

Grass Valley Ca, 95945

Please share this information with all the other people who drink this water, especially those who may not have received this notice directly (for example, people in apartments, nursing homes, schools, and businesses). You can do this by posting this public notice in a public place or distributing copies by hand or mail.

Secondary Notification Requirements

Upon receipt of notification from a person operating a public water system, the following notification must be given within 10 days [Health and Safety Code Section 116450(g)]:

- **SCHOOLS:** Must notify school employees, students, and parents (if the students are minors).
- **RESIDENTIAL RENTAL PROPERTY OWNERS OR MANAGERS** (including nursing homes and care facilities): Must notify tenants.
- **BUSINESS PROPERTY OWNERS, MANAGERS, OR OPERATORS:** Must notify employees of businesses located on the property.

This notice is being sent to you by John Muir Water System in compliance with the California Domestic Water Quality and Monitoring Regulations as a means of keeping the public informed.

State Water System ID: 2900601. Date distributed: May 2 2018



PUBLIC INFORMATION NOTICE

Important Information about Lead in Your Drinking Water

John Muir/ NJUHSD McCourtney Rd Center found elevated levels of lead in drinking water in some homes/buildings. Lead can cause serious health problems, especially for pregnant women and young children. Please read this information closely to see what you can do to reduce lead in your drinking water.

Health Effects of Lead

Lead can cause serious health problems if too much enters your body from drinking water or other source. It can cause damage to the brain and kidneys, and can interfere with the production of red blood cells that carry oxygen to all parts of your body. The greatest risk of lead exposure is to infants, young children, and pregnant women. Scientists have linked the effects of lead on the brain with lowered IQ in children. Adults with kidney problems and high blood pressure can be affected by low levels of lead more than healthy adults. Lead is stored in the bones and it can be released later in life. During pregnancy, the child receives lead from the mother's bones, which may affect brain development.

Sources Of Lead

Lead is a common metal found in the environment. Drinking water is one possible source of lead exposure. The main sources of lead exposure are lead-based paint and lead-contaminated dust or soil, and some plumbing materials. In addition, lead can be found in certain types of pottery, pewter, brass fixtures, and cosmetics. Other sources of lead include exposure in the workplace and exposure from certain hobbies (lead dust can be carried on clothing and shoes.) Lead is found in some toys, some playground equipment, and some children's metal jewelry. Everyone, especially children, should be encouraged to regularly wash their hands to reduce lead dust exposure.

Where does the lead in drinking water come from? Why is there lead in my drinking water?

Lead is not usually found in water that comes from wells or water treatment plants. More commonly lead can enter drinking water when the water comes in contact with plumbing materials such as lead pipes or lead solder, or when it comes in contact with faucets, valves, and other components made of brass (brass may have lead in it). This interaction is referred to as corrosion. Brass faucets, fittings, and valves, including those advertised as "lead-free," may contribute lead to drinking water. The law currently allows end-use brass fixtures, such as faucets, with up to 8 percent lead to be labeled as "lead-free." EPA estimates that 10 to 20 percent of a person's potential exposure to lead may come from drinking water. Infants who consume mostly formula mixed with lead-containing water can receive 40 to 60 percent of their exposure to lead from drinking water. Don't forget about other sources of lead such as

lead paint, lead dust, and lead in soil. Wash your children's hands and toys often as they can come into contact with dirt and dust containing lead.

What can I do to make my water safer?

Flush your pipes 15- 30 seconds before drinking, and only use cold water for cooking and drinking. The more time water has been sitting in your home's pipes, the more lead it may contain. Anytime the water in a particular faucet has not been used for six hours or longer, "flush" your cold-water pipes by running the water until it becomes as cold as it will get. This could take as little as five to thirty seconds if there has been recent heavy water use such as showering or toilet flushing. Otherwise, it could take two minutes or longer. Keep in mind that plumbing fixtures labeled lead-free may have up to 8% lead. The Utility will inform you if longer flushing times are needed to respond to local conditions. flushing may not be effective in high-rise buildings.

Use only water from the cold-water tap for drinking, cooking, and especially for making baby formula. Hot water is likely to contain higher levels of lead. You may also consider using a lead reducing filter tested and certified by an independent third party for such ability per the standards set by NSF International.

Does boiling water remove lead?

No, boiling water does not remove lead. Boiling water can concentrate lead levels and increase the amount of lead in water.

Will a filter remove lead?

Some filters can remove lead from drinking water. If you use a filter, be sure to get one that is tested and certified by an independent third party per the standards developed by NSF International. Be sure to maintain and replace a filter device in accordance with the manufacturer's instructions to protect water Quality.

What do you mean when you say the Action Level has been exceeded?

The actions level for lead is a level at which the regulatory agency is concerned about corrosion and requires water systems to take additional steps to protect users of the water. Our water system is required to notify our consumers when our test results show levels of lead above the 15 ppb action level in > 1 0% of samples collected.

What Happened? What Is Being Done?

John Muir/ NJUHSD McCourtney Rd Center found higher than acceptable levels of lead during annual sampling, the system has had low amount of use thus a limited flow through the pipes the district is working with local labs and Nevada county environmental health to identify the source and correct it. Currently we are looking at fixtures as a potential source. This is the first exceedance for the site and it is believed to be related to the limited use.

Where can I get more information on lead?

For more information, visit www.epa.gov/lead or call EPA's Safe Drinking Water Hotline at 1-800-426-4791. Your state or local public health department will also be able to provide information about lead.

John Muir/ NJUHSD McCourtney Rd Center Distribution Date 4/25/2018

LEAD in Drinking Water

HEALTH EFFECTS OF LEAD

Lead is found throughout the environment in lead-based paint, air, soil, household dust, food, certain types of pottery porcelain and pewter, and water. Lead can pose a significant risk to your health if too much of it enters your body.

Lead builds up in the body over many years and can cause damage to the brain, red blood cells and kidneys. The greatest risk is to young children and pregnant women. Amounts of lead that won't hurt adults can slow down normal mental and physical development of growing bodies. In addition, a child at play often comes into contact with sources of lead contamination - like dirt and dust - that rarely affect an adult. It is important to wash children's hands and toys often, and to try to make sure they only put food in their mouths.



LEAD IN DRINKING WATER

Lead in drinking water, although rarely the sole cause of lead poisoning, can significantly increase a person's total lead exposure, particularly the exposure of infants who drink baby formulas and concentrated juices that are mixed with water. EPA estimates that drinking water can make up 20 percent or more of a person's total exposure to lead.

THE UNITED STATES ENVIRONMENTAL PROTECTION AGENCY (EPA) and John Muir/NJUHS D are concerned about lead in your drinking water. Some drinking water samples taken from this facility have lead levels above the EPA action level of 15 parts per billion (ppb), or 0.015 milligrams of lead per liter of water (mg/L). Under Federal law we are required to have a program in place to minimize lead in your drinking water by

This program includes:

- 1) Corrosion control treatment (treating the water to make it less likely that lead will dissolve into the water);
- 2) Source water treatment (removing any lead that is in the water at the time it leaves our treatment facility); and
- 3) A public education program.

If you have any questions about how we are carrying out the requirements of the lead regulation please call us at 530-273-3351 x221

This poster also explains the simple steps you can take to protect yourself by reducing your exposure to lead in drinking water.

HOW LEAD ENTERS OUR WATER

Lead is unusual among drinking water contaminants in that it seldom occurs naturally in water supplies like rivers and lakes. Lead enters drinking water primarily as a result of the corrosion, or wearing away, of materials containing lead in the water distribution system and household plumbing. These materials include lead-based solder used to join

copper pipe, brass and chrome-plated brass faucets, and in some cases, pipes made of lead that connect houses and buildings to water mains (service lines). In 1986, Congress banned the use of lead solder containing greater than 0.2% lead, and restricted the lead content of faucets, pipes and other plumbing materials to 8.0%.

When water stands in lead pipes or plumbing systems containing lead for several hours or more, the lead may dissolve into your drinking water. This means the first water drawn

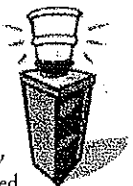
from the tap in the morning, or later in the afternoon if the water has not been used all day, can contain fairly high levels of lead.

STEPS YOU CAN TAKE to Reduce Exposure to Lead in Drinking Water

1. **FLUSH YOUR SYSTEM.** Let the water run from the tap before using it for drinking or cooking any time the water in a faucet has gone unused for more than six hours. The longer water resides in plumbing the more lead it may contain. Flushing the tap means running the cold water faucet for about 15-30 seconds. Although toilet flushing or showering flushes water through a portion of the plumbing system, you still need to flush the water in each faucet before using it for drinking or cooking. Flushing tap water is a simple and inexpensive measure you can take to protect your health. It usually uses less than one to two gallons of water.

2. **USE ONLY COLD WATER FOR COOKING AND DRINKING.** Do not cook with, or drink water from the hot water tap. Hot water can dissolve more lead more quickly than cold water. If you need hot water, draw water from the cold tap and then heat it.

3. **USE BOTTLED WATER.** The steps described above will reduce the lead concentrations in your drinking water. However, if you are still concerned, you may wish to use bottled water for drinking and cooking.



FOR MORE INFORMATION

YOU CAN CONSULT a variety of sources for additional information:

Your family doctor or pediatrician can perform a blood test for lead and provide you with information about the health effects of lead. State and local government agencies that can be contacted include:
• NJUHS D at 530-273-3351 X-221 can provide you with information about your facility's water supply; and
• Nevada County Environmental Health or the .950 Maidu Ave, Nevada City, CA 95959 can provide you with information about the health effects of lead.