385 N. Arrowhead Ave, 2nd Floor, San Bernardino, CA 92415 | Phone: 800.442.2283 Fax: 909.387.4323
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SAN BERNARDINO COUNTY

Public Health
Environmental Health Services

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Date: May 26, 2023

SEPIDEH KASHANIAN
1053 SUPERBA AVE
VENICE, CA 90291

Water Quality Analyses Results

Dear Well Owner,

Environmental Health Services (EHS) recently conducted a final inspection and issued a well tag for your newly constructed water well. At that time, a water sample was collected to be sampled for:

Total Coliform - Bacteria/E. coli	Perchlorate	Uranium
Nitrate/Nitrite as N	Arsenic	Fluoride
Chromium-6		

The constituents were selected based on their known concentrations throughout the County of San Bernardino. Analyses results are enclosed. The maximum contaminant level (MCL) for nitrate as N is 10 mg/L, nitrite as N is 1 mg/L, arsenic is 10 µg/L, and fluoride is 2 mg/L respectively.

If the result of the total coliform bacteria sample is positive (P), EHS recommends that you take the following actions:

1. Thoroughly flush the well for a minimum of 30 minutes.
2. Take another sample of water from your well and have it analyzed for total coliform.
3. If needed, disinfect the well to American Water Works Standards C654-03 (Consult a C-57 contractor/well driller to disinfect the well).

It is not uncommon for bacteria to enter the well during construction of the well. Total coliform bacteria are indicator bacteria that are used to determine potential contamination of water. These bacteria are not known to cause any adverse health effects in healthy people. Most wells do not provide an appropriate environment for bacteria to thrive, thus most bacterial problems dissipate quickly.

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If the result of the total coliform sample is positive for E. coli, immediately disinfect the well and take a repeat sample. DO NOT DRINK THE WATER WITHOUT BOILING IT FIRST UNTIL A NEGATIVE SAMPLE IS RECEIVED. Bring all water to a boil, let it boil for one (1) minute, and let it cool before using or use bottled water.

Constituents exceeding MCL can pose a serious health risk (See appendix 1, attached); however, well water can be treated to remove harmful chemicals. A list of best available technologies (BAT) for water treatment is summarized in appendix 1.

A list of certified laboratory is available at:

http://www.waterboards.ca.gov/drinking_water/certlic/labs/

Contact EHS Safe Drinking Water Section at (800) 442-2283 if you have any questions.

ENVIRONMENTAL HEALTH SERVICES
385 North Arrowhead Avenue, 2nd Floor
San Bernardino, CA 92415 0160
Fax: (909) 387-4323

Enclosures: 1. Appendix 1

APPENDIX 1. Best Available Technologies (BAT)

Inorganic Chemicals

Arsenic	1, 2, 5, 6, 7, 9, 13
Chromium	2, 5, 6[a], 7
Fluoride	1, 7
Nitrate	5, 7, 9
Perchlorate	5, 12
Uranium	Ion exchange, reverse osmosis, lime softening, coagulation/filtration

Key to BATs

1 = Activated Alumina
2 = Coagulation/Filtration (not BAT for systems < 500 service connections)
3 = Direct and Diatomite Filtration
4 = Granular Activated Carbon
5 = Ion Exchange
6 = Lime Softening (not BAT for systems < 500 service connections)
7 = Reverse Osmosis
8 = Corrosion Control
9 = Electrodialysis
10 = Optimizing treatment and reducing aluminum added
11 = Chlorine oxidation
12 = Biological fluidized bed reactor
13 = Oxidation/Filtration

Contaminant	*Health Effects Language*
Total Coliform	Coliforms are bacteria that are naturally present in the environment and are used as an indicator that other, potentially-harmful, bacteria may be present. Coliforms were found in more samples than allowed and this was a warning of potential problems.
Fecal coliform/E. coli	Fecal coliforms and E. coli are bacteria whose presence indicates that the water may be contaminated with human or animal wastes. Microbes in these wastes can cause short-term effects, such as diarrhea, cramps, nausea, headaches, or other symptoms. They may pose a special health risk for infants, young children, some of the elderly, and people with severely compromised immune systems.

Uranium	Some people who drink water containing uranium in excess of the MCL over many years may have kidney problems or an increased risk of getting cancer.
Arsenic	Some people who drink water containing arsenic in excess of the MCL over many years may experience skin damage or circulatory system problems, and may have an increased risk of getting cancer.
Fluoride	Some people who drink water containing fluoride in excess of the federal MCL of 4 mg/L over many years may get bone disease, including pain and tenderness of the bones. Children who drink water containing fluoride in excess of the state MCL of 2 mg/L may get mottled teeth.
Nitrate	Infants below the age of six months who drink water containing nitrate in excess of the MCL may quickly become seriously ill and, if untreated, may die because high nitrate levels can interfere with the capacity of the infant's blood to carry oxygen. Symptoms include shortness of breath and blueness of the skin. High nitrate levels may also affect the oxygen-carrying ability of the blood of pregnant women.
Nitrite	Infants below the age of six months who drink water containing nitrite in excess of the MCL may become seriously ill and, if untreated, may die. Symptoms include shortness of breath and blueness of the skin.
Perchlorate	Perchlorate has been shown to interfere with uptake of iodide by the thyroid gland, and to thereby reduce the production of thyroid hormones, leading to adverse effects associated with inadequate hormone levels. Thyroid hormones are needed for normal prenatal growth and development of the fetus, as well as for normal growth and development in the infant and child. In adults, thyroid hormones are needed for normal metabolism and mental function.
Hexavalent chromium	Some people who drink water containing hexavalent chromium in excess of the MCL over many years may have an increased risk of getting cancer.

Clinical Laboratory of San Bernardino, Inc.

Celebrating 55 Years of Analytical Service 1967-2022

Environmental Health Services	Project: Individual Well	Work Order: 23E0584
385 N. Arrowhead, 2nd Floor	Sub Project: Sepideh Kashanian	Received: 05/04/23 15:34
San Bernardino CA, 92415-0160	Project Manager: Water Quality Supervisor	Reported: 05/16/23

WP0037755 **23E0584-01 (Water)** **Sample Date:** 05/04/23 9:54 **Sampler:** Guadalupe Padron

Analyte	Method	Result	Rep. Limit	MCL	Units	Prepared	Analyzed	Batch	Qualifier
Microbiology Analyses									
Total Coliform	SM 9223	A			P/A	05/04/23	05/05/23	2319125	
E. Coli	SM 9223	A			P/A	05/04/23	05/05/23	2319125	
General Chemical Analyses									
Fluoride (F)	EPA 300.0	**0.35**	0.10	2	mg/L	05/05/23	05/05/23	2318165	
Nitrate as N (NO3-N)	EPA 300.0	ND	0.40	10	mg/L	05/05/23	05/05/23	2318165	
Metals									
Arsenic (As)	EPA 200.8	**12**	2.0	10	ug/L	05/12/23	05/12/23	2319199	
Radiochemistry Analyses									
Uranium	EPA 200.8	**12**	1.0	20	pCi/L	05/11/23	05/11/23	2319137	

ND Analyte NOT DETECTED at or above the reporting limit

Stu Styles
Client Services Manager

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