

APPENDIX B: eCCR Certification Form (Suggested Format)

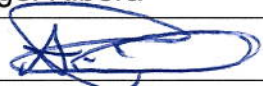
Consumer Confidence Report Certification Form

(To be submitted with a copy of the CCR)

Water System Name:	California Correctional Institution - Tehachapi
Water System Number:	CA1510800

The water system named above hereby certifies that its Consumer Confidence Report was distributed on July 1, 2025 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 (DDW).

Certified by:

Name: Angel Ribera	Title: Chief Engineer I
Signature: 	Date: 7/2/2025
Phone number: 661-822-4402 x3792	blank

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

- CCR was distributed by mail or other direct delivery methods (attach description of other direct delivery methods used).
- CCR was distributed using electronic delivery methods described in the Guidance for Electronic Delivery of the Consumer Confidence Report (water systems utilizing electronic delivery methods must complete the second page).
- "Good faith" efforts were used to reach non-bill paying consumers. Those efforts included the following methods:
 - Posting the CCR at the following URL: www._____
 - 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)

- 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)
- Publication of the CCR in the electronic city newsletter or electronic community newsletter or listserv (attach a copy of the article or notice)
- Electronic announcement of CCR availability via social media outlets (attach list of social media outlets utilized)
- Other (attach a list of other methods used)
- For systems serving at least 100,000 persons:* Posted CCR on a publicly-accessible internet site at the following URL: www._____
- For privately-owned utilities:* Delivered the CCR to the California Public Utilities Commission

Consumer Confidence Report Electronic Delivery Certification

Water systems utilizing electronic distribution methods for CCR delivery must complete this page by checking all items that apply and fill-in where appropriate.

- Water system mailed a notification that the CCR is available and provides a direct URL to the CCR on a publicly available website where it can be viewed (attach a copy of the mailed CCR notification). URL: www._____
- Water system emailed a notification that the CCR is available and provides a direct URL to the CCR on a publicly available site on the Internet where it can be viewed (attach a copy of the emailed CCR notification). URL: www._____
- Water system emailed the CCR as an electronic file email attachment.
- Water system emailed the CCR text and tables inserted or embedded into the body of an email, not as an attachment (attach a copy of the emailed CCR).
- Requires prior DDW review and approval:* Water system utilized other electronic delivery method that meets the direct delivery requirement.

Provide a brief description of the water system's electronic delivery procedures and include how the water system ensures delivery to customers unable to receive electronic delivery.

2024 Consumer Confidence Report

Water System Information

Water System Name: California Correctional Institution - Tehachapi

Report Date: June 16, 2025

Type of Water Source(s) in Use: Groundwater (Wells)

Name and General Location of Source(s): Wells "A" & "B" located approximately 35.123012, -118.587057

Drinking Water Source Assessment Information: N/A

Time and Place of Regularly Scheduled Board Meetings for Public Participation: N/A

For More Information, Contact: Angel Ribera CEI at 661-822-4402 x3792

About This Report

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 to December 31, 2024, and may include earlier monitoring data.

Importance of This Report Statement in Five Non-English Languages (Spanish, Mandarin, Tagalog, Vietnamese, and Hmong)

Language in Spanish: Este informe contiene información muy importante sobre su agua para beber. Favor de comunicarse California Correctional Institution - Tehachapi a 661-822-4402 para asistirlo en español.

Language in Mandarin: 这份报告含有关于您的饮用水的重要讯息。请用以下地址和电话联系 [Enter Water System Name] 以获得中文的帮助: California Correctional Institution - Tehachapi 661-822-4402

Language in Tagalog: Ang pag-uulat na ito ay naglalaman ng mahalagang impormasyon tungkol sa inyong inuming tubig. Mangyaring makipag-ugnayan sa California Correctional Institution - Tehachapi 24900 Hwy 202 Tehachapi, CA 93561 o tumawag sa 661-822-4402 para matulungan sa wikang Tagalog.

Language in Vietnamese: Báo cáo này chứa thông tin quan trọng về nước uống của bạn. Xin vui lòng liên hệ tại California Correctional Institution - Tehachapi a 661-822-4402 để được hỗ trợ giúp bằng tiếng Việt.

Language in Hmong: Tsab ntawv no muaj cov ntsiab lus tseem ceeb txog koj cov dej haus. Thov hu rau California Correctional Institution - Tehachapi ntawm 661-822-4402 rau kev pab hauv lus Askiv.

Terms Used in This Report

Term	Definition
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 <i>E. coli</i> MCL violation has occurred and/or why total coliform bacteria have been found in our water system on multiple occasions.
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).
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.
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.
Regulatory Action Level (AL)	The concentration of a contaminant which, if exceeded, triggers treatment or other requirements that a water system must follow.
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.
Variances and Exemptions	Permissions from the State Water Resources Control Board (State Board) to exceed an MCL or not comply with a treatment technique under certain conditions.
ND	Not detectable at testing limit.
ppm	parts per million or milligrams per liter (mg/L)
ppb	parts per billion or micrograms per liter ($\mu\text{g/L}$)
ppt	parts per trillion or nanograms per liter (ng/L)

Term	Definition
ppq	parts per quadrillion or picogram per liter (pg/L)
pCi/L	picocuries per liter (a measure of radiation)

Sources of Drinking Water and Contaminants that May Be Present in Source Water

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.

Regulation of Drinking Water and Bottled Water Quality

In order to ensure that tap water is safe to drink, the U.S. EPA and the State Board prescribe regulations that limit the amount of certain contaminants in water provided by public water systems. The U.S. Food and Drug Administration regulations and California law also establish limits for contaminants in bottled water that provide the same protection for public health.

About Your Drinking Water Quality

Drinking Water Contaminants Detected

Tables 1, 2, 3, 4, 5, 6, and 8 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

Complete if bacteria are detected.

Microbiological Contaminants	Highest No. of Detections	No. of Months in Violation	MCL	MCLG	Typical Source of Bacteria
<i>E. coli</i>	0	0	(1) Positive Monthly Sample	0	Human and animal fecal waste

(a) Routine and repeat samples are total coliform-positive and either is *E. coli*-positive or system fails to take repeat samples following *E. coli*-positive routine sample or system fails to analyze total coliform-positive repeat sample for *E. coli*.

Table 2. Sampling Results Showing the Detection of Lead and Copper

Complete if lead or copper is detected in the last sample set.

Lead and Copper	Sample Date	No. of Samples Collected	90th Percentile Level Detected	No. Sites Exceeding AL	AL	PHG	Typical Source of Contaminant
Lead (mg/L)	8/16/2024 -- 9/12/2024	28	0.005	0	15	0.2	Internal corrosion of household water plumbing systems; discharges from industrial manufacturers; erosion of natural deposits
Copper (mg/L)	8/16/2024 -- 9/12/2024	28	0.174	0	1.3	0.3	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 (and reporting units)	Sample Date	Level Detected	Range of Detections	MCL	PHG (MCLG)	Typical Source of Contaminant
Sodium (mg/L)						
Well (A)	08/30/2022	25	N/A	None	None	Salt present in the water and is generally naturally occurring
Well (B)	08/31/2022	27	N/A			

Hardness (mg/L)				None	None	Sum of polyvalent cations present in the water, generally magnesium and calcium, and are usually naturally occurring
Well (A)	08/30/2022	25	N/A			
Well (B)	08/31/2022	27	N/A			

Table 4. Detection of Contaminants with a Primary Drinking Water Standard

Chemical or Constituent (and reporting units)	Sample Date	Level Detected	Range of Detections	MCL [MRDL]	PHG (MCLG) [MRDLG]	Typical Source of Contaminant
See Attachment						
See Attachment						
See Attachment						

Table 5. Detection of Contaminants with a Secondary Drinking Water Standard

Chemical or Constituent (and reporting units)	Sample Date	Level Detected	Range of Detections	SMCL	PHG (MCLG)	Typical Source of Contaminant
See Attachment						
See Attachment						
See Attachment						

Table 6. Detection of Unregulated Contaminants

Chemical or Constituent (and reporting units)	Sample Date	Level Detected	Range of Detections	Notification Level	Health Effects
See Attachment					
See Attachment					
See Attachment					

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. Immune-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: 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. [Enter Water System's Name] 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. [Optional: 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 (1-800-426-4791) or at <http://www.epa.gov/lead>.

Additional Special Language for Nitrate, Arsenic, Lead, Radon, and *Cryptosporidium*: [Enter Additional Information Described in Instructions for SWS CCR Document]

State Revised Total Coliform Rule (RTCRC): [Enter Additional Information Described in Instructions for SWS CCR Document]

Summary Information for Violation of a MCL, MRDL, AL, TT, or Monitoring and Reporting Requirement

Table 7. Violation of a MCL, MRDL, AL, TT or Monitoring Reporting Requirement

Violation	Explanation	Duration	Actions Taken to Correct Violation	Health Effects Language
N/A				

For Water Systems Providing Groundwater as a Source of Drinking Water

Table 8. Sampling Results Showing Fecal Indicator-Positive Groundwater Source Samples

Microbiological Contaminants (complete if fecal-indicator detected)	Total No. of Detections	Sample Dates	MCL [MRDL]	PHG (MCLG) [MRDLG]	Typical Source of Contaminant
<i>E. coli</i>	0	0	0	(0)	Human and animal fecal waste
Enterococci	0	0	TT	N/A	Human and animal fecal waste
Coliphage	0	0	TT	N/A	Human and animal fecal waste

Summary Information for Fecal Indicator-Positive Groundwater Source Samples, Uncorrected Significant Deficiencies, or Violation of a Groundwater TT

Special Notice of Fecal Indicator-Positive Groundwater Source Sample: Not Applicable

Special Notice for Uncorrected Significant Deficiencies: Not Applicable

Table 9. Violation of Groundwater TT

Violation	Explanation	Duration	Actions Taken to Correct Violation	Health Effects Language
N/A				

For Systems Providing Surface Water as a Source of Drinking Water

Table 10. Sampling Results Showing Treatment of Surface Water Sources

Treatment Technique ^(a) (Type of approved filtration technology used)	[Enter Treatment Technique]
Turbidity Performance Standards ^(b) (that must be met through the water treatment process)	Turbidity of the filtered water must: 1 – Be less than or equal to [Enter Turbidity Performance Standard to Be Less Than or Equal to 95% of Measurements in a Month] NTU in 95% of measurements in a month. 2 – Not exceed [Enter Turbidity Performance Standard Not to Be Exceeded for More Than Eight Consecutive Hours] NTU for more than eight consecutive hours. 3 – Not exceed [Enter Turbidity Performance Standard Not to Be Exceeded at Any Time] NTU at any time.

Lowest monthly percentage of samples that met Turbidity Performance Standard No. 1.	N/A
Highest single turbidity measurement during the year	N/A
Number of violations of any surface water treatment requirements	N/A

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

(b) Turbidity (measured in NTU) is a measurement of the cloudiness of water and is a good indicator of water quality and filtration performance. Turbidity results which meet performance standards are considered to be in compliance with filtration requirements.

Summary Information for Violation of a Surface Water TT

Table 11. Violation of Surface Water TT

Violation	Explanation	Duration	Actions Taken to Correct Violation	Health Effects Language
N/A				

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Table 1 - Sampling Showing The Detection of Coliform Bacteria

Microbiological Contaminants	Highest # of Detections	No. of Months in Violation	MCL	MCLG	Typical Source of Bacteria	
Total Coliform Bacteria*	In a Month = 2	1	More than 1 sample in a month with a detection	0	Naturally Present in Environment	
Fecal Coliform or E. Coli	In a Year = 0	0	A routine sample and a repeat sample detect total coliform & either sample also detects fecal coliform or E. coli	0	Human and animal fecal waste	
Disinfectant	Sample Date	Level Detected (AVG)	Range of Detections	MCL	PHG (MCLG)	Typical Source of Contaminant
Chlorine (mg/L)	DAILY		0.1-2.0	4.0	N/A	Drinking water disinfectant added for treatment

Disinfection By-products

Total Trihalomethanes (TTHM) at Tower #7 & #11	Total Trihalomethanes (TTHM) at Tower #16	Total Halacetic Acids (HAA5) at Tower #7 & #11	Total Halacetic Acids (HAA5) at Tower #16
10/6/2022	10/6/2022	10/6/2022	10/6/2022
0.006/01	0.0023	ND/ND	ND
<0.0006/002	0.08	0.06	0.06
N/A	0.08	N/A	N/A
By-Product of drinking water disinfection	By-Product of drinking water disinfection	By-Product of drinking water disinfection	By-Product of drinking water disinfection

Table 2 - Sampling Results Showing The Detection of Lead & Copper

Lead & Copper	# of samples collected	90th percentile level detected	Sites exceeding (AL)	AL	MCLG	Typical Source of Contamination
Lead (mg/L) 2022 January-June	86	0.0	0	0.015	1.3	Internal corrosion of household water plumbing systems; erosion of natural deposits; leaching from wood preservatives
Copper (mg/L) 2022 January-June	86	0.154	0	1.3	0	Internal corrosion of household water plumbing systems; discharges from industrial manufacturers erosion of natural deposits

Table 3 - Well "A" Sampling Results For Sodium and Hardness

Chemical or Constituent	Sample Date	Level Detected	Range of Detections	MCL	PHG	MCLG	Typical Source of Contaminant
Sodium (mg/L)	8/30/2022	25	N/A	N/A	N/A	N/A	Generally found in ground & surface water
Hardness (total as CaCO3) (mg/L)	8/30/2022	260	N/A	N/A	N/A	N/A	Generally found in ground & surface water

Table 4 - Well "A" Detection of Contamination With A Primary Drinking Standard

Chemical or Constituent	Sample Date	Level Detected	Range of Detections	MCL	PHG	MCLG	Typical Source of Contaminant
Radioactive Contaminants							
Gross Alpha Activity (pCi/L)	9/24/2019	1.69	N/A	15pCi/L	NONE	0	Erosion of natural deposits
Inorganic Contaminants							
Aluminum (mg/L)	8/30/2022	ND	N/A	1	600	0	Erosion of natural deposits; residues from some surface water treatment
Arsenic (mg/L)	8/30/2022	ND	N/A	0.01	0.004	0	Erosion of natural deposits; runoff from orchards; glass and electronics production wastes

AIR WORLD

Table 4 continued

Barium (mg/L)	8/30/2022	0.041	N/A	1	2	2	Dischargers of oil drilling, wastes and from metal refineries; erosion of natural deposits
Chromium (mg/L)	8/30/2022	0.0056	N/A	0.05	0	100	Discharge from steel and pulp mills and chrome plating; erosion of natural deposits
Fluoride (mg/L)	8/30/2022	0.34	N/A	2	1	4	Erosion of natural deposits; water additive which promotes strong teeth; discharge from fertilizer and aluminum factories
Nickel (mg/L)	8/30/2022	ND	n/a	0.1	12	0	Erosion of natural deposits; discharge from metal factories
Nitrate (as N) Well's "A"	8/30/2022	4.4	n/a	10 as N	10 as N	10	Runoff and leaching from fertilizer use; leaching from septic tanks and sewage; erosion of natural deposits
Perchlorate (mg/L) Well's "A"	8/30/2022	ND	<4.0	0.006	0	0	
Selenium (mg/L)	8/30/2022	ND	N/A	0.05	30	50	Discharge from petroleum, glass and metal refineries; erosion of natural deposits; discharge from mines and chemical manufacturers; runoff from livestock lots (feed additives)

Table 5 - Well "A" Detection of Contamination With A Secondary Drinking Water Standard

Chemical of Constituent	Sample Date	Level Detected	Range of Detections	MCL	PHG	MCLG	Typical Source of Contaminant
Aluminum (mg/L)	8/30/2022	ND	N/A	1	600	0	Erosion of natural deposits; residue from some surface water treatment
Copper (mg/L)	8/30/2022	ND	N/A	1	300	1300	Internal corrosion of household water plumbing systems; discharges from industrial manufacturers; erosion of natural deposits
Hexavalent Chromium (mg/L)	2/14/2025	0.0056	N/A	0.05	0.02	n/a	Discharges from electroplating factories, leather tanneries, wood preservation, chemical synthesis, refractory production, and textile manufacturing facilities; erosion of natural deposits
Threshold Odor	8/30/2022	ND	N/A	3 units	0	0	Naturally-occurring organic materials
Turbidity (NTU)	8/30/2022	ND	N/A	5 NTU	0	0	Soil runoff
Zinc (mg/L)	8/30/2022	ND	N/A	5	0	0	Runoff/leaching from natural deposits; industrial wastes
Specific Conductance	8/30/2022	510	N/A	900-1600; 2200	0	0	Erosion of natural deposits; seawater influence
Total Dissolved Solids	8/30/2022	400	N/A	500-1000; 1500	0	0	Runoff/leaching from natural deposits
Chloride (mg/L)	8/30/2022	33	N/A	250-500; 600	0	0	Runoff/leaching from natural deposits; seawater influence
Sulfate as SO4 (mg/L)	8/30/2022	83	N/A	250-500; 600	0	0	Runoff/leaching from natural deposits; industrial wastes

Table 3 - Well "B" Sampling Results For Sodium and Hardness

Chemical or Constituent	Sample Date	Level Detected	Range of Detections	MCL	PHG	MCLG	Typical Source of Contaminant
Sodium (mg/L)	8/31/2022	27	N/A	N/A	N/A	N/A	Generally found in ground & surface water
Hardness (total) as CaCO3 (mg/L)	8/31/2022	280	N/A	N/A	N/A	N/A	Generally found in ground & surface water

Table 4 - Well "B" Detection of Contamination With A Primary Drinking Standard

Chemical or Constituent	Sample Date	Level Detected	Range of Detections	MCL	PHG	MCLG	Typical Source of Contaminant
Radioactive Contaminants							
Gross Alpha Activity (pCi/L)	8/31/2022	1.85	N/A	15 pCi/L	none	0	Erosion of natural deposits
Inorganic Contaminants							
Aluminum (mg/L)	8/31/2022	ND	N/A	1	600	0	Erosion of natural deposits; residues from some surface water treatment
Arsenic (mg/L)	8/31/2022	ND	N/A	0.01	0.004	0	Erosion of natural deposits; runoff from orchards; glass and electronics production wastes
Barium (mg/L)	8/31/2022	0.042	N/A	1	2	2	Dischargers of oil drilling wastes and from metal refineries; erosion of natural deposits
Chromium (mg/L)	8/31/2022	0.0039	N/A	0.05	0	0.1	Discharge from steel and pulp mills and chrome plating; erosion of natural deposits
Fluoride (mg/L)	8/31/2022	0.26	N/A	2	1	4	Erosion of natural deposits; water additive which promotes strong teeth; discharge from fertilizer and aluminum factories
Nickel (mg/L)	8/31/2022	ND	N/A	0.1	12	0	Erosion of natural deposits; discharge from metal factories
Nitrate (as NO3)	8/31/2022	4.3	N/A	10 as N	10 as N	10	Runoff and leaching from fertilizer use; leaching from septic tanks and sewage; erosion of natural deposits
Perchlorate (mg/L)	8/31/2022	ND	<4.0	0.006	0	0	
Selenium (mg/L)	8/31/2022	ND	N/A	0.05	30	50	Discharge from petroleum, glass and metal refineries; erosion of natural deposits; discharge from mines and chemical manufacturers; runoff from livestock lots (feed additives)

Table 5 - Well "B" Defection of Contamination With A Secondary Drinking Water Standard

Chemical or Constituent	Sample Date	Level Detected	Range of Detections	MCL	PHG	MCLG	Typical Source of Contaminant
Aluminum (mg/L)	8/31/2022	ND	n/a	1	600	0	Erosion of natural deposits; residue from some surface water treatment
Copper (mg/L)	8/31/2022	ND	n/a	1	30	1300	Internal corrosion of household water plumbing systems; discharges from industrial manufacturers erosion of natural deposits
Hexavalent Chromium (mg/L)	2/14/2025	0.0041	n/a	0.05	0.02	n/a	Discharges from electroplating factories, leather tanneries, wood preservation, chemical synthesis, refractory production, and textile manufacturing facilities. Erosion of natural deposits
Threshold Odor	8/31/2022	ND	n/a	3 units	0	0	Naturally-occurring organic materials
Turbidity (NTU)	8/31/2022	ND	n/a	5 NTU	0	0	Soil runoff
Zinc (mg/L)	8/31/2022	ND	n/a	5	0	0	Runoff/leaching from natural deposits; industrial wastes
Specific Conductance	8/31/2022	650	n/a	800-1600; 2200	0	0	Erosion of natural deposits; seawater influence
Total Dissolved Solids	8/31/2022	480	n/a	500-1000; 1500	0	0	Runoff/leaching from natural deposits
Chloride (mg/L)	8/31/2022	48	n/a	250-500; 600	0	0	Runoff/leaching from natural deposits; industrial wastes
Sulfate as SO4 (mg/L)	8/31/2022	110	n/a	250-500; 600	0	0	Runoff/leaching from natural deposits; industrial wastes

Table 3 - Well #12 Sampling Results For Sodium and Hardness *NOT IN OPERATION

Chemical or Constituent	Sample Date	Level Detected	Range of Detections	MCL	PHG	MCLG	Typical Source of Contaminant
Sodium (mg/L)			n/a	n/a	n/a	n/a	Generally found in ground & surface water
Hardness (total) as CaCO3 mg/L			n/a	n/a	n/a	n/a	Generally found in ground & surface water

Table 4 - Well #12 Detection of Contamination With A Primary Drinking Standard

Chemical or Constituent	Sample Date	Level Detected	Range of Detections	MCL	PHG	MCLG	Typical Source of Contaminant
Radioactive Contaminants							
Gross Alpha Activity (pCi/L)			n/a	15 pCi/L	0	0	Erosion of natural deposits
Inorganic Contaminants							
Aluminum (mg/L)			n/a	1 ppm	5 ppm	0 ppm	Erosion of natural deposits; residue from some surface water treatment.
Arsenic (mg/L)							Erosion of natural deposits; runoff from orchards; glass and electronics production wastes
Barium (mg/L)							Dischargers of oil drilling wastes and from metal refineries; erosion of natural deposits
Chromium (mg/L)			n/a	50 ppb	0	100 ppb	Discharge from steel and pulp mills and chrome plating; erosion of natural deposits
Fluoride (mg/L)			n/a	2 ppm	1 ppm	0	Erosion of natural deposits; water additive which promotes strong teeth; discharge from fertilizer and aluminum factories
Nickel (mg/L)			n/a	100 ppb	12 ppb	0	Erosion of natural deposits; discharge from metal factories
Nitrate (as NOS)			n/a	45 ppm	45 ppm	0	Runoff and leaching from fertilizer use; leaching from septic tanks and sewage; erosion of natural deposits
Perchlorate			n/a	0.006 ppm	0	0	
Selenium (mg/L)			n/a	50 ppb	30 ppb	0	Discharge from petroleum, glass and metal refineries; erosion of natural deposits; discharge from mines and chemical manufacturers; runoff from livestock lots (feed additives)

*Well #12 not in operation

Table 5 - Well #12 Detection of Contamination With A Secondary Drinking Water Standard

Chemical or Constituent	Sample Date	Level Detected	Range of Detections	MCL	PHG	MCLG	Typical Source of Contaminant
Aluminum (ug/L)			n/a	1 ppm	6 ppm	0 ppm	Erosion of natural deposits; residue from some surface water treatment
Copper (mg/L)			n/a	AL=13	0.3	0.3	Internal corrosion of household water plumbing systems; discharges from industrial manufacturers erosion of natural deposits
Hexavalent Chromium (ug/L)			n/a	10	0.02	n/a	Discharges from electroplating factories, leather tanneries, wood preservation, chemical synthesis, refractory production, and textile manufacturing facilities. Erosion of natural deposits
Threshold Odor			n/a	3 units	0	0	Naturally-occurring organic materials
Turbidity (NTU)			n/a	5 units	0	0	Soil runoff
Zinc (mg/L)			n/a	5 ppm	0	0	Runoff/leaching from natural deposits; industrial wastes
Specific Conductance			n/a	1600 uS/cm	0	0	Erosion of natural deposits; seawater influence
Total Dissolved Solids			n/a	1000 ppm	0	0	Runoff/leaching from natural deposits
Chloride (mg/L)			n/a	500 mg/L	0	0	Runoff/leaching from natural deposits; industrial wastes
Sulfate as SO4 mg/L			n/a	500 ppm	0	0	Runoff/leaching from natural deposits; industrial wastes

*Well #12 Out Of Service