

2022 Consumer Confidence Report

Water System Information

Water System Name: Chevron Oil Field System 270-1171

Report Date: 7/26/2023

Type of Water Source(s) in Use: Ground Water

Name and General Location of Source(s): **Wells 5A, 5B, & 7A; Chevron San Ardo Field, 66575 Sargents Road, San Ardo, CA 93450**

Drinking Water Source Assessment Information: **An Assessment Summary was completed by Sandy Ayala of the MCHD on 05/25/04 for Well 7-A. The source is considered most vulnerable to the following activities not associated with any detected contaminants:**

Chemical/petroleum processing/storage. There have been no contaminants detected in the water supply recently, however the source is still considered vulnerable to activities located near the water source. You may request a summary of the assessment be sent to you by contacting:

**Sandy Ayala, Environmental Health Specialist
Monterey County Health Department (831) 755-8924, (831) 755-8929 (fax)
ayalasa@co.monterey.ca.us**

Time and Place of Regularly Scheduled Board Meetings for Public Participation: **None**

For More Information, Contact: **Aric Murfield, HSE Field Specialist, 559-240-5335;
aricmurfield@chevron.com**

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, 2022 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 [Enter Water System's Name] a [Enter Water System's Address or Phone Number] 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: [Enter Water System's Address][Enter Water System's Phone Number].

Language in Tagalog: Ang pag-uulat na ito ay naglalaman ng mahalagang impormasyon tungkol sa inyong inuming tubig. Mangyaring makipag-ugnayan sa [Enter Water System's Name and Address] o tumawag sa [Enter Water System's Phone Number] 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 [Enter Water System's Name] tại [Enter Water System's Address or Phone Number] 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 [Enter Water System's Name] ntawm [Enter Water System's Address or Phone Number] 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.

Term	Definition
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 (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)

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	(a)	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	90 th Percentile Level Detected	No. Sites Exceeding AL	AL	PHG	Typical Source of Contaminant
Lead (ppb)	12/21/22	10	0.004	0	15	0.2	Internal corrosion of household water plumbing systems; discharges from industrial manufacturers; erosion of natural deposits
	6/22/22	10	<0.001	0			
Copper (ppm)	12/21/22	10	0.030	0	1.3	0.3	Internal corrosion of household plumbing systems; erosion of natural deposits; leaching from wood preservatives
	6/22/22	10	0.093	0			

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 (ppm)					None	Salt present in the water and is generally naturally occurring
Well 5A	1/25/2007	88		0.10 mg/L		
Well 5B	4/22/2009	130				
Well 7A	4/12/2006	140				
Hardness (ppm)				None	None	Sum of polyvalent cations present in the water, generally magnesium and calcium, and are usually naturally occurring
Well 5A	1/23/2007	400 mg/L				
Well 5B	4/22/2009	1120 mg/L				
Well 7A	4/12/2006	590 mg/CAC03				

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 (MCL G) [MRDL G]	Typical Source of Contaminant
Arsenic Well 5A	3/23/2023	0.004mg/L	NA	0.01mg/L	NA	Erosion of natural deposits; runoff from orchards; glass and electronics productions waste.
Arsenic Well 5B	3/23/2023	0.004mg/L				
Arsenic Well 7A	3/23/2023	0.004mg/L				
Barium Well 5A	3/23/2023	0.05 mg/L	NA	1.0 mg/L	NA	Discharge of oil drilling wastes and from metal refineries; erosion of natural deposits.
Barium Well 5B	3/23/2023	0.04 mg/L.				
Barium Well 7A	3/23/2023	0.044 mg/L				
Fluoride Well 5A	3/23/2023	0.140mg/L	NA	1.0 mg/L	NA	Erosion of natural deposits; water additive which promotes strong teeth; discharge from fertilizer and aluminum factories.
Fluoride Well 5B	3/23/2023	0.370mg/L				
Fluoride Well 7A	3/23/2023	0.150mg/L				
Mercury Well 5A	3/23/2023	<0.0002mg/L	NA	0.002mg/L	NA	Erosion of natural deposits; discharge from metal factories.
Mercury Well 5B	3/23/2023	<0.0002mg/L				
Mercury Well 7A	3/23/2023	0.00032mg/L				
Nickel Well 5A	3/23/2023	<0.001mg/L	NA	0.1mg/L	NA	Runoff and leaching from fertilizer use; leaching from septic tanks and sewage; erosion of natural deposits.
Nickel Well 5B	3/23/2023	<0.001mg/L				
Nickel Well 7A	3/23/2023	<0.001mg/L				
Nitrate (as NO3)						Runoff and leaching from fertilizer

Well 5A	3/23/2023	0.140mg/L	NA	10.0mg/L	NA	use; leaching from septic tanks and sewage; erosion of natural deposits.
Well 5B	3/23/2023	0.370mg/L				
Well 7A	3/23/2023	0.250mg /L				
Nitrate + Nitrite						Runoff and leaching from fertilizer use; leaching from septic tanks and sewage; erosion of natural deposits.
Well 5A	3/23/2023	<0.050mg/L	NA	1.0mg/L	NA	
Well 5B	3/23/2023	<0.050mg/L				
Well 7A	3/23/2023	<0.050mg/L				

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

Chemical or Constituent (and reporting units)	Sample Date	Level Detected	Range of Detection	SMCL	PHG (MCLG)	Typical Source of Contaminant
Chloride (mg/L)						
Well 5A	1/25/2007	0.2ppm	NA	500ppm	NA	Runoff/leaching from natural deposits; seawater influence
Well 5B	4/22/2009	97ppm				
Well 7A	4/12/2006	110ppm				
Langer Index (Corrosivity) pH Units						
Well 5A	1/25/2007	0.3 units	NA	Non-corrosive	NA	Natural or industrially influenced balance of hydrogen, carbon, and oxygen in the water, affected by temperature and other factors.
Well 5B	4/22/2009	0.5 units				
Well 7A	4/12/2009	0.2 units				
Sulfate*(mg/L)						
Well 5A	1/25/2007	160ppm	NA	500ppm	NA	Runoff/leaching from natural deposits; industrial wastes.
Well 5B	4/22/2009	440ppm				
*Well 7A	4/12/2009	520ppm				
Total Dissolved Solids* (mg/L)						
Well 5A	1/25/2007	700ppm	NA	1000ppm	NA	Runoff/leaching from natural deposits.
*Well 5B	4/22/2009	1120ppm				
*Well 7A	4/12/2009	1200ppm				
Turbidity (NTU)						
Well 5A	1/25/2007	0.2 units	NA	5 units	NA	Soil runoff.
Well 5B	4/22/2009	0.8 units				
Well 7A	4/12/2009	0.2 units				
Iron*(mg/L)						
Well 5A	1/25/2007	ND	NA	0.3ppm	NA	Leaching from natural deposits; industrial wastes.
Well 5B	4/22/2009	0.13ppm				
Well 7A	4/12/2009	0.15ppm				
Chloride (mg/L)						
Well 5A	1/25/2007	1200us/cm	NA		NA	Substances tat form ions when in water; seawater influences

Well 5B *Well 7A	4/22/2009 4/12/2009	1460us/cm 1800us/cm		1600us/cm		
Zinc Well 5B	4/22/2009	0.003ppm	NA	0.05ppm	NA	Runoff/leaching from natural deposits; industrial wastes

Table 6. Detection of Unregulated Contaminants

Chemical or Constituent (and reporting units)	Sample Date	Level Detected	Range of Detections	Notification Level	Health Effects
None					

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: 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 (RTCR): [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
None	None	None	None	None

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>	None	None	0	(0)	Human and animal fecal waste
Enterococci	None	None	TT	N/A	Human and animal fecal waste
Coliphage	None	None	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: [Enter Special Notice of Fecal Indicator-Positive Groundwater Source Sample] **NONE**

Special Notice for Uncorrected Significant Deficiencies: [Enter Special Notice for Uncorrected Significant Deficiencies] **NONE**

Table 9. Violation of Groundwater TT

Violation	Explanation	Duration	Actions Taken to Correct Violation	Health Effects Language
None	None	None	None	None

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)	NOT APPLICABLE
Turbidity Performance Standards ^(b) (that must be met through the water treatment process)	<p>Turbidity of the filtered water must:</p> <p>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.</p> <p>2 – Not exceed [Enter Turbidity Performance Standard Not to Be Exceeded for More Than Eight Consecutive Hours] NTU for more than eight consecutive hours.</p> <p>3 – Not exceed [Enter Turbidity Performance Standard Not to Be Exceeded at Any Time] NTU at any time.</p>
Lowest monthly percentage of samples that met Turbidity Performance Standard No. 1.	NOT APPLICABLE
Highest single turbidity measurement during the year	NOT APPLICABLE
Number of violations of any surface water treatment requirements	NOT APPLICABLE

(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
None	None	None	None	None

Summary Information for Operating Under a Variance or Exemption

[Enter Additional Information Described in Instructions for SWS CCR Document]

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

If a water system is required to comply with a Level 1 or Level 2 assessment requirement that is not due to an *E. coli* MCL violation, include the following information below [22 CCR section 64481(n)(1)].

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.

The water system shall include the following statements, as appropriate:

During the past year we were required to conduct 0 / NONE Level 1 assessment(s). 0 / NONE Level 1 assessment(s) were completed. In addition, we were required to take 0 / NONE corrective actions and we completed 0 / NONE of these actions.

During the past year 0 / NONE Level 2 assessments were required to be completed for our water system. 0 / NONE Level 2 assessments were completed. In addition, we were required to take 0 / NONE corrective actions and we completed 0 / NONE of these actions.

If the water system failed to complete all the required assessments or correct all identified sanitary defects, the water system is in violation of the treatment technique requirement and shall include the following statements, as appropriate: NOT APPLICABLE

During the past year we failed to conduct all of the required assessment(s). NOT APPLICABLE

During the past we failed to correct all identified defects that were found during the assessment. NOT APPLICABLE

[For Violation of the Total Coliform Bacteria TT Requirement, Enter Additional Information Described in Instructions for SWS CCR Document] NOT APPLICABLE

If a water system is required to comply with a Level 2 assessment requirement that is due to an *E. coli* MCL violation, include the information below [22 CCR section 64481(n)(2)]. NOT APPLICABLE

Level 2 Assessment Requirement Due to an *E. coli* MCL Violation

E. coli are bacteria whose presence indicates that the water may be contaminated with human or animal wastes. Human pathogens in these wastes can cause short-term effects, such as diarrhea, cramps, nausea, headaches, or other symptoms. They may pose a greater health risk for infants, young children, the elderly, and people with severely compromised immune systems. We found *E. coli* bacteria, indicating the need to look for potential problems in water treatment or distribution. When this occurs, we are required to conduct assessment(s) identify problems and to correct any problems that were found during these assessments.

We were required to complete a Level 2 assessment because we found *E. coli* in our water system. In addition, we were required to take [Insert Number of Corrective Actions] corrective actions and we completed [Insert Number of Corrective Actions] of these actions.

If a water system failed to complete the required assessment or correct all identified sanitary defects, the water system is in violation of the treatment technique requirement and shall include the following statements, as appropriate: **NOT APPLICABLE**

We failed to conduct the required assessment. **NOT APPLICABLE**

We failed to correct all sanitary defects that were identified during the assessment. **NOT APPLICABLE**

If a water system detects *E. coli* and has violated the *E. coli* MCL, include one or more the following statements to describe any noncompliance, as applicable: **NOT APPLICABLE**

We had an *E. coli*-positive repeat sample following a total coliform positive routine sample. **NOT APPLICABLE**

We had a total coliform-positive repeat sample following an *E. coli*-positive routine sample. **NOT APPLICABLE**

We failed to take all required repeat samples following an *E. coli*-positive routine sample. **NOT APPLICABLE**

We failed to test for *E. coli* when any repeat sample tests positive for total coliform. **NOT APPLICABLE**

[If a water system detects *E. coli* and has not violated the *E. coli* MCL, the water system may include a statement that explains that although they have detected *E. coli*, they are not in violation of the *E. coli* MCL.]