

2022 Consumer Confidence Report

Water System Information

Water System Name: **The Casmite Corporation Water System**

Report Date: **June 28, 2023**

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

Name and General Location of Source(s): **Wells 1 and 2 are located on Black Road north of the intersection with Highway 1.**

Drinking Water Source Assessment Information: **A source assessment of Well 1 was conducted by the Santa Barbara County Public Health Department in December 2002; a copy is available from Santa Barbara County Environmental Health Services. Well 2 was constructed in 2020 and was inspected by the Santa Barbara County Public Health department in June 2020; a copy of the inspection report is available from Santa Barbara County Environmental Health Services.**

Time and Place of Regularly Scheduled Board Meetings for Public Participation: **Meetings are scheduled as needed.**

For More Information, Contact: **Fluid Resource Management for The Casmite Corporation Water System, (805) 597-7100**

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 Fluid Resource Management for The Casmite Corporation Water System a 2385 Precision Drive, Arroyo Grande, CA 93420, (805) 597-7100 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 Fluid Resource Management for The Casmite Corporation Water System 以获得中文的帮助: 2385 Precision Drive, Arroyo Grande, CA 93420, (805) 597-7100.

Language in Tagalog: Ang pag-uulat na ito ay naglalaman ng mahalagang impormasyon tungkol sa inyong inuming tubig. Mangyaring makipag-ugnayan sa Fluid Resource Management for The Casmite Corporation Water System, 2385 Precision Drive, Arroyo Grande, CA 93420 o tumawag sa (805) 597-7100 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 Fluid Resource Management for The Casmite Corporation Water System tại 2385 Precision Drive, Arroyo Grande, CA 93420, (805) 597-7100 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 Fluid Resource Management for The Casmite Corporation Water System ntawm 2385 Precision Drive, Arroyo Grande, CA 93420, (805) 597-7100 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 (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

Microbiological Contaminants	Highest No. of Detections	No. of Months in Violation	MCL	MCLG	Typical Source of Bacteria
<i>E. coli</i>	(In the year) 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

Lead and Copper	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)	N/A	N/A	N/A	N/A	15	0.2	N/A	Internal corrosion of household water plumbing systems; discharges from industrial manufacturers; erosion of natural deposits
Copper (ppm)	N/A	N/A	N/A	N/A	1.3	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 (and reporting units)	Sample Date	Level Detected	Range of Detections	MCL	PHG (MCLG)	Typical Source of Contaminant
Sodium (ppm)	8/1/2022	50	N/A	None	None	Salt present in the water and is generally naturally occurring
Hardness (ppm)	8/1/2022	330	N/A	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 (and reporting units)	Sample Date	Level Detected	Range of Detections	MCL [MRDL]	PHG (MCLG) [MRDLG]	Typical Source of Contaminant
Arsenic (ppb) – wells	6/8/2020 1/12/2021 3/17/2021	3.73	ND – 8.5	10	0.004	Erosion of natural deposits; runoff from orchards; glass and electronics production wastes
Barium (ppm) – distribution	3/17/2021	0.016	N/A	1	2	Discharges of oil drilling wastes and from metal refineries; erosion of natural deposits
Barium (ppm) – wells	1/12/2021 3/17/2021	0.02	0.018 – 0.021			
Chromium (ppb) – distribution	3/17/2021	14	N/A	50	(100)	Discharge from steel and pulp mills and chrome plating; erosion of natural deposits
Chromium (ppb) – wells	1/12/2021 3/17/2021	10.57	5.7 – 15			
Fluoride (ppm) – distribution	3/17/2021	0.17	N/A	2.0	1	Erosion of natural deposits; water additive that promotes strong teeth; discharge from fertilizer and aluminum factories
Fluoride (ppm) – wells	1/12/2021 3/17/2021	0.20	0.16 – 0.29			
Gross Alpha (pCi/L)	10/8/2018 1/12/2021 4/14/2021 7/15/2021	2.70	1.16 – 3.9	15	(0)	Erosion of natural deposits
Heterotrophic Plate Count – HPC (CFUs/mL)	8/29/2019	15	N/A	TT	N/A	Naturally present in the environment
Nickel (ppb) – distribution	3/17/2021	2.7	N/A	100	12	Erosion of natural deposits; discharge from metal factories
Nickel (ppb) – wells	1/12/2021 3/17/2021	3.27	2.7 – 3.6			
Nitrate as N (ppm) – distribution	1/20/2022	2.3	N/A	10 (as N)	10 (as N)	Runoff and leaching from fertilizer use; leaching from septic tanks and sewage; erosion of natural deposits
Nitrate as N (ppm) – wells	1/20/2022	2.0	N/A			

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

Chemical or Constituent (and reporting units)	Sample Date	Level Detected	Range of Detections	MCL [MRDL]	PHG (MCLG) [MRDLG]	Typical Source of Contaminant
Radium-228 (pCi/L)	1/12/2021	0.624 ± 0.322	N/A	5	0.019	Erosion of natural deposits
Selenium (ppb) – distribution	3/17/2021	7.6	N/A	50	30	Discharge from petroleum, glass, and metal refineries; erosion of natural deposits; discharge from mines and chemical manufacturers; runoff from livestock lots (feed additive)
Selenium (ppb) – wells	1/12/2021 3/17/2021	20.47	8.4 – 42			
Total Organic Carbon – Poly Tank (ppm)	2022 (various)	6.6	ND – 17	TT	N/A	Various natural and manmade sources
Total Organic Carbon – wells (ppm)	2022 (various)	5.2	ND – 19			
Total Trihalomethanes – TTHMs (ppb) – distribution	9/6/2022	1.8	N/A	80	N/A	Byproduct of drinking water disinfection
Total Trihalomethanes – TTHMs (ppb) – wells	6/8/2020	1	N/A			
Uranium (pCi/L)	1/12/2021	0.95	0.8 – 1.1	20	0.43	Erosion of natural deposits

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
Chloride (ppm)	6/8/20 1/12/21	52.5	47 – 58	500	N/A	Runoff/leaching from natural deposits; seawater influence
Color (units)	6/8/20 1/12/21	1.5	ND – 3	15	N/A	Naturally-occurring organic materials
Copper (ppm)	6/8/20 1/12/21	0.0017	ND – 0.0034	1.0	N/A	Internal corrosion of household plumbing systems; erosion of natural deposits; leaching from wood preservatives

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

Chemical or Constituent (and reporting units)	Sample Date	Level Detected	Range of Detections	SMCL	PHG (MCLG)	Typical Source of Contaminant
Iron (ppb)	1/12/21 2/12/21	32	ND – 96	300	N/A	Leaching from natural deposits; industrial wastes
Odor – Poly Tank (TON)	2022 (various)	0.4	ND – 2.9	3	N/A	Naturally-occurring organic materials
Odor – Well (TON)*	2022 (various)	0.3	ND – 12			
Specific Conductance (µS/cm)	6/8/20 1/12/21	870	810 – 930	1,600	N/A	Substances that form ions when in water; seawater influence
Sulfate (ppm)	3/8/2022	150	N/A	500	N/A	Runoff/leaching from natural deposits; industrial wastes
Total Dissolved Solids – TDS (ppm)	6/8/20 1/12/21	610	600 – 620	1,000	N/A	Runoff/leaching from natural deposits
Turbidity (NTU)	6/8/20 1/12/21	0.46	0.16 – 0.76	5	N/A	Soil runoff
Zinc (ppm) – distribution	3/17/21	0.054	N/A	5	N/A	Runoff/leaching from natural deposits; industrial wastes
Zinc (ppm) – wells	1/12/21 3/17/21	0.0535	0.045 – 0.062			

Table 6. Detection of Unregulated Contaminants

Chemical or Constituent (and reporting units)	Sample Date	Level Detected	Range of Detections	Notification Level	Health Effects
Hexavalent Chromium (ppb)	2/5/18	0.4	N/A	1	Some people who drink water containing hexavalent chromium in excess of the MCL over many years have an increased risk of getting cancer.
Molybdenum (ppb) – distribution	3/17/21	2.5	N/A	N/A	N/A
Molybdenum (ppb) – wells	3/17/21	2.65	2.9 – 2.4		
Sulfur (ppm)	3/8/2022	56	N/A	N/A	N/A

Table 6. Detection of Unregulated Contaminants, Continued

Chemical or Constituent (and reporting units)	Sample Date	Level Detected	Range of Detections	Notification Level	Health Effects
Tertiary Butyl Alcohol – Poly Tank (ppb)	5/12/2022	13	N/A	12	Carcinogenic risk in certain lab animals
Tertiary Butyl Alcohol – Raw Well (ppb)	5/12/2022	14	N/A		
TPH Diesel (ppb) – wells	2/12/2021 2/17/2021 3/5/2021	27.5	ND – 110	N/A	N/A
TPH Motor Oil (ppb) – wells	2/12/2021 2/17/2021 3/5/2021	62.5	ND – 250		
Total Oil and Grease (ppm)	9/20/2017 10/4/2017	0.65	ND – 2.5	N/A	N/A
Total Petroleum Hydrocarbons (ppm)	9/20/2017 10/4/2017	0.84	0.58 – 1.4	N/A	N/A
Vanadium (ppb) – distribution	3/17/2021	6.3	N/A	50	Vanadium exposures resulted in developmental and reproductive effects in rats.
Vanadium (ppb) – wells	3/17/2021	6.4	5.8 – 7		

*Any violation of an MCL, MRDL, or TT is asterisked. Additional information regarding the violation is provided later in this report.

¹There is currently no MCL for hexavalent chromium. The previous MCL of 0.010 mg/L was withdrawn on September 11, 2017

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).

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. The Casmite Corporation Water System 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 (1-800-426-4791) or at <http://www.epa.gov/lead>.

While your drinking water meets the federal and state standard for arsenic, it does contain low levels of arsenic. The arsenic standard balances the current understanding of arsenic's possible health effects against the cost of removing arsenic from drinking water. The U.S. Environmental Protection Agency continues to research the health effects of low levels of arsenic, which is a mineral known to cause cancer in humans at high concentrations and is linked to other health effects such as skin damage and circulatory problems.

Odor was found at levels that exceed the secondary MCL. The secondary MCLs were set to protect you against unpleasant aesthetic effects (e.g., color, taste, and odor) and the staining of plumbing fixtures (e.g., tubs and sinks) and clothing while washing. The high odor levels are most likely due to naturally-occurring organic materials. The Casmite Corporation Water System continues to investigate potential causes and treatment options related to the odor levels detected in the groundwater.

Water samples collected on May 12, 2022 from the Poly Tank and Raw Well were analyzed using EPA Method 8260, a method that is typically used for waste and wastewater sources, rather than the standard method EPA 524.2 for drinking water. The Tertiary Butyl Alcohol (TBA) levels were based on Tentatively Identified Compound Analyses. Neither EPA 524.2 sampling nor other confirmatory sampling was undertaken at that time. April 2023 analyses using EPA Method 524.2, which is designed to detect compounds in drinking water, did not detect the presence of TBA. Notification levels (NL) are advisory levels established by California Division of Drinking Water for unregulated contaminants, which trigger certain requirements and recommendations; under California Health & Safety Code section 116455, notification is required for confirmed detections of unregulated contaminants over the NL.