

VANDENBERG VILLAGE COMMUNITY SERVICES DISTRICT CONSUMER CONFIDENCE REPORT (CCR) FOR YEAR ENDING DECEMBER 31, 2024

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

Vandenberg Village Community Services District (VVCSD) routinely monitors for constituents in accordance with Federal and State laws. All drinking water, including bottled drinking water, may reasonably be expected to contain at least small amounts of some constituents. It is important to remember that the presence of these constituents does not necessarily pose a health risk. **THE DISTRICT HAS MET ALL STANDARDS.**

Our water comes from three wells which draw from the Lompoc Upland Aquifer. Our wells are located at 702 and 704 Highway 1 about 1/4 mile west of the "Wye" intersection. During 2024 Well 1B produced 38 percent, Well 3A produced 27 percent, and Well 3B produced 35 percent of the water.

In accordance with the State's Drinking Water Source Assessment and Protection (DWSAP) Program, a Drinking Water Source Assessment for all three District wells was completed in April 2001 and updated during a sanitary survey in 2023. The assessments included: A delineation of the areas around a drinking water source through which contaminants might move and reach that drinking water supply; an inventory of possible contaminating activities (PCAs) that might lead to the release of microbiological or chemical contaminants within the delineated area; and a determination of the PCAs to which the drinking water source is most vulnerable. In summary, District wells are considered most vulnerable to the following activities NOT associated with any detected contaminants: National Pollutant Discharge Elimination System/Waste Discharge Requirements (NPDES/WDR) permitted discharges and pesticide/fertilizer/petroleum storage and transfer areas. It is important to note that no contaminants have been detected. The Drinking Water Source Assessment is the first step in the development of a complete drinking water source protection program.

A copy of the complete assessment may be viewed at:

**State Water Resources Control Board (SWRCB)
Division of Drinking Water, Santa Barbara Office
1180 Eugenia Place, Suite 200
Carpinteria, CA 93013-2000**

Or you may request a summary of the assessment be sent to you by contacting:

**Jason Cunningham
District Engineer
805-566-1326**

If you have any questions about this report or your water quality, please contact:

**Jeff Cole
Phone: 805-733-2475
Email: jcole@vvcasd.org**

The Board of Directors holds regularly scheduled Board meetings on the first Tuesday of every month at 4:30 p.m. in the District conference room at 3745 Constellation Road. The public is encouraged to attend.

Terms Used In This Report:

- **μ** - Micromhos: a measurement of electrical conductance/ indicator of dissolved minerals in the water.
- **AL** - Regulatory Action Level: The concentration of a contaminant which, if exceeded, triggers treatment or other requirements which a water system must follow.
- **MCL** - Maximum Contaminant Level: 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.
- **MCLG** - Maximum Contaminant Level Goal: 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 (USEPA).

TABLE 1 - SAMPLING RESULTS SHOWING THE DETECTION OF LEAD AND COPPER

Lead and Copper sampled August 2024	No. of samples collected	90 th percentile level detected	No. Sites exceeding AL	AL	PHG	Typical Source of Contaminant
Lead (ppb)	20	ND	1	15	0.2	Internal corrosion of household water plumbing systems; erosion of natural deposits; discharges from industrial manufacturers.
Copper (ppm)	20	0.72	1	1.3	0.3	Internal corrosion of household water plumbing systems; erosion of natural deposits; leaching from wood preservatives.

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. VVCSD 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 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 at 1-800-426-4791 or at <http://www.epa.gov/safewater/lead>. **VVCSD tested all schools within our boundaries for lead in 2018 and all tested negative.**

TABLE 2 - 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)	02/21/2023	100.5	84-110	N/A	N/A	Generally found in ground and surface water
Hardness (ppm)	02/21/2023	362.4	210-410	N/A	N/A	Generally found in ground and surface water

Note: Because treated water is blended from different water sources which have different hardness levels, Detected Levels are calculated based on the amount of water pumped from each well during the reporting period. To obtain the grains per gallon (gpg), as used by the water softener industry, divide the hardness level by 17.1. In this case the gpg is 21.

TABLE 3 - DETECTION OF CONTAMINANTS WITH A PRIMARY DRINKING WATER STANDARD

Chemical or Constituent (and reporting units)	Sample Date	Level Detected	Range of Detections	MCL	PHG (MCLG)	Typical Source of Contaminant
Arsenic (ppb) ¹	02/21/2023	1.3	ND – 6.7	10	N/A (N/A)	Erosion of natural deposits; runoff from orchards; glass and electronics production wastes
Hexavalent Chromium ² (ppb)	11/14/2024	0.41	ND – 1.1	N/A	0.02 (N/A)	Erosion of natural deposits; industrial wastes
Fluoride (ppm)	02/21/2023	0.25	0.23-0.43	2	1 (N/A)	Erosion of natural deposits; water additive which promotes strong teeth; discharge from fertilizer and aluminum factories
Nitrate (as N) (ppm)	11/14/2024	ND	ND	45	45 (N/A)	Runoff and leaching from fertilizer use; leaching from septic tanks, sewage; erosion of natural deposits

¹While 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 costs 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.

²The 0.010-milligram per liter MCL (equivalent to 10 µg/L) for Hexavalent Chromium became effective on July 1, 2014.

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

Chemical or Constituent (and reporting units)	Level Detected	MCL	Typical Source of Contaminant
Color (units)	<3	15	Naturally occurring organic materials
Copper (ppm)	ND	1	Internal corrosion of household plumbing systems; erosion of natural deposits; leaching from wood preservatives
Iron (ppb) after filtration	ND	300	Leaching from natural deposits; industrial wastes
Manganese (ppb) after filtration	ND	50	Leaching from natural deposits
Odor (TON -Threshold Odor Number) after filtration	2.3	3	Naturally occurring organic material
Corrosivity (AI – Aggressive Index)	12	N/A	Natural or industrially influenced balance of hydrogen, carbon, and oxygen in the water, affected by temperature and other factors. (Water with AI $\geq$ 12 is non-aggressive. Water with AI between 10-11.9 is moderately aggressive.)
Foaming Agents (MBAS) (ppb)	ND	500	Municipal and industrial waste discharges
Turbidity - Clarity (ntu) after filtration	.36	5	Soil Runoff
Total Dissolved Solids (ppm)	716.6	1000	Runoff/Leaching from natural deposits
Specific Conductance (micromhos)	1181	1600	Substances that form ions when in water
Chloride (ppm)	168	500	Runoff/leaching from natural deposits, seawater influence
Sulfate (ppm)	171	500	Runoff/leaching from natural deposits, industrial wastes

Note: There are no PHGs or MCLGs for constituents with Secondary drinking Water Standards because these are based on aesthetics, not health.

Disinfection Byproducts, Residuals, and Byproduct Precursors	Date Tested	MCL	2024 Average	2024 Range of Detection	Major Sources
Total Trihalomethanes (TTHMs) (ppb)	Quarterly	80	32.9	28.6 – 39.9	By-product of drinking water chlorination
Haloacetic acids (HAA5s) (ppb)	Quarterly	60	7.2	6.8 – 7.9	By-product of drinking water chlorination
Free Chlorine Residuals (ppm)	4 per week	MRDL 4.0 (as Cl_2)	0.74	0.24 – 1.36	Drinking water disinfectant added for treatment

Note: Wells were tested for **27 regulated Volatile Organic Compounds** and all were non-detectable. SWRCB established monitoring requirements for 1,2,3-TCP on December 14, 2017. VVCS D tested wells for 1,2,3-TCP in 2022 and all three were ND. VVCS D tested Well 1B for PFAS in 2022 and it was ND.

Information for your water softener:

Hardness = 21 gpg

Iron = <100 ppb

