

PUBLIC NOTICE

IMPORTANT INFORMATION ABOUT YOUR DRINKING WATER

Este informe contiene información muy importante sobre su agua potable.
Por favor hable con alguien que lo pueda traducir.

Bacteriological Monitoring Requirements Not Met

Our water system failed to monitor as required for the drinking water bacteriological monitoring standard during October 2024 and, therefore, was in violation of the regulations. Even though this failure was not an emergency, as our customers, you have a right to know what you should do, what happened and what we did to correct this situation.

We are required to monitor your drinking water for specific contaminants on a regular basis. Results of regular monitoring are an indicator of whether or not our drinking water meets health standards. During the month of October 2024, we did not complete all monitoring or testing for coliform bacteria and therefore cannot be sure of the quality of our drinking water during that time.

What should I do?

- There is nothing you need to do at this time.
- The table below lists the bacteriological monitoring that we did not properly complete, how many samples we are required to take and how often, how many samples we took, when samples should have been taken, and the date on which follow-up samples were taken.

Contaminant	Required sampling frequency	Number of samples taken	When all samples should have been taken	When samples were taken
Total Coliform Bacteria	4 sample per month	2 samples	October, 2024	November, 2024

- If you have health issues concerning the consumption of this water, you may wish to consult your doctor.

What happened? What is being done?

Required samples were not properly scheduled for collection. District staff realized this oversight during subsequent sampling. District has modified its sample collection scheduling procedures to include more scheduling oversight.

For more information, contact Albert Smith, Operations Superintendent at (559) 535-4414 or 24790 Avenue 95, Terra Bella, CA 93270.

Please share this information with all the other people who drink this water, especially those who may not have received this notice directly (for example, people in apartments, nursing homes, schools, and businesses). You can do this by posting this notice in a public place or distributing copies by hand or mail.

Secondary Notification Requirements

Upon receipt of notification from a person operating a public water system, the following notification must be given within 10 days [Health and Safety Code Section 116450(g)]:

- **SCHOOLS:** *Must notify school employees, students, and parents (if the students are minors).*
- **RESIDENTIAL RENTAL PROPERTY OWNERS OR MANAGERS (including nursing homes and care facilities):** *Must notify tenants.*
- **BUSINESS PROPERTY OWNERS, MANAGERS, OR OPERATORS:** *Must notify employees of businesses located on the property.*

This notice is being sent to you by Terra Bella Irrigation District, System No. 5410038.

Date distributed: May, 2025.

2024 Annual Drinking Water Quality Report

TERRA BELLA IRRIGATION DISTRICT

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

**Este informe contiene información muy importante sobre su agua de beber.
Tradúzcalo ó hable con alguien que lo entienda bien.**

We are pleased to provide you with this year's Annual Water Quality Report. We want to keep you informed about the water and services we have delivered to you over the past year. Over the past year, our source water came from the Friant Kern Canal and was supplemented with groundwater from Wells Nos. 72, 80, 84, 85, 86 and 87. Treatment of the Canal water supply and these groundwater supplies consists of conventional filtration using dual media gravity filters followed by chlorination.

A source water assessment was conducted for the Wells 50, 72, 76, 77, 80, 84 and 85 in March 2003 for Well 86 in April 2006 and for Well 87 in March 2014. The water sources are considered most vulnerable to the following activities associated with contaminants detected in the water supply: fertilizer, pesticide/ herbicide application; septic systems – low density. The source is considered most vulnerable to the following activities not associated with any detected contaminants: grazing; septic systems – low density; septic systems – high density; lumber processing and manufacturing; automobile – gas stations; sewer collection systems; historic gas stations; wastewater treatment plants and disposal facilities. A sanitary survey report for the Friant-Kern Canal water supply has also been completed. An update to this report was completed in 2019. A copy of the complete assessment and sanitary survey report may be viewed at: Terra Bella Irrigation District, 24790 Avenue 95, Terra Bella, CA 93270. If you would like a summary of the assessment or sanitary survey report sent to you or if you have any questions about this report or concerning your water utility, please contact Mr. Albert Smith, Operations Superintendent, 559/535-4414.

We want our customers to be informed about their water utility. If you want to learn more, please attend any of our regularly scheduled meetings. They are held the 2nd Wednesday of each month at 9:00 a.m., at the office of the Terra Bella Irrigation District located at 24790 Avenue 95 in Terra Bella.

The following are definitions of some of the TERMS USED IN THIS REPORT:

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 (USEPA).

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.

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, MRDLs and treatment techniques (TT) for contaminants that affect health along with their monitoring and reporting requirements.

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.

Regulatory Action Level (AL): The concentration of a contaminant which, if exceeded, triggers treatment or other requirements that a water system must follow.

Variations and Exemptions: State Board permission to exceed an MCL or not comply with a treatment technique under certain conditions.

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 *E. coli* MCL violation has occurred and/or why total coliform bacteria have been found in our water system on multiple occasions.

N/A: Not applicable

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 picograms per liter (pg/L)

pCi/L: picocuries per liter (a measure of radioactivity)

In general, sources of drinking water (both tap water and bottled water) may 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.

Constituents that may be present in source water to contamination levels 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, 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 the result of oil and gas production and mining activities.

In order to ensure that tap water is safe to drink, the U. S. Environmental Protection Agency (USEPA) and the State Water Resources Control Board – Division of Drinking Water (State Water Board/DDW) prescribe regulations that limit the amount of certain contaminants in water provided by public water systems. US Food and Drug Administration regulations and California law also establish limits for contaminants in bottled water that must provide the same protection for public health.

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. Terra Bella Irrigation District 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 1/800/426-4791 or at <http://www.epa.gov/lead>.

The tables below and on the following pages list all the drinking water constituents that were detected during the most recent samplings for the constituent. The presence of these constituents in the water does not necessarily indicate that the water poses a health risk. The State Water Board/DDW allows us to monitor for certain constituents less than once per year because the concentrations of these constituents are not expected to vary significantly from year to year. Some of the data, though representative of the water quality, are therefore more than one year old.

SAMPLING RESULTS SHOWING TREATMENT OF SURFACE WATER SOURCES			
Treatment Technique	Turbidity Performance Standards (TPS)**	Lowest monthly percentage of samples that met TPS	Highest single turbidity measurement during the year
Conventional Filtration Treatment with Chlorination	Turbidity of the filtered water must be less than or equal to 0.3 NTU in 95% of measurements in a month.	100%	0.295

** Turbidity (measured in NTU) is a measurement of the cloudiness of water and is an indicator of filtration performance. Filtration which meets performance standards is demonstrated by meeting turbidity requirements.

SAMPLING RESULTS SHOWING THE DETECTION OF COLIFORM BACTERIA					
Microbiological Contaminants			MCL	MCLG	Typical Source of Contamination
Water Supply (Distribution System)	Highest No. of detections	No. of months in violation			
E. coli	(In the year) 0	0	(a)	0	Human and animal fecal waste
Water Source (Surface Water and Groundwater Wells)	Total No. of detections	Sample Dates (of Detections)			
E. coli (b)	(In the year) N/A (b)	Not Applicable	0	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.

(b) Sampling for E.coli at each water source (surface water, groundwater) occurs if a detection occurs in the water distribution system.

E. Coli/Fecal Coliform: E. coli/Fecal coliforms are bacteria whose presence indicate that water may be contaminated with human or animal wastes.

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.

Level 1 Assessment Requirement - Total Coliform: 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 total 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.

During the past year we were required to conduct one (1) Level 1 assessment. The Level 1 assessment was completed. In addition, we were required to take one (1) corrective action regarding sample collection bottles. We completed this action.

The District collects 4 to 6 samples each month in the water supply (distribution) system. The District collects samples of the blended (surface water and groundwater) sources. Water source-specific samples are collected if a E.coli positive sample occurs in the water distribution system. The District collects monthly samples at each well that is in use.

VIOLATION OF A MCL, MRDL, AL, TT OR MONITORING REPORTING REQUIREMENTS				
Violation	Explanation	Duration	Action Taken to Correct Violation	Health Effects Language
Bacteriological Monitoring	The District failed to collect four (4) required monthly bacteriological samples. The District only collected two (2) samples	October, 2024	The District has modified its sample collection sampling procedures to include more scheduling oversight	Health effects unknown. We are required to monitor your drinking water for specific contaminants on a regular basis. Results of regular monitoring are an indicator of whether or not our drinking water meets health standards. During the month of October 2024, we did not complete all monitoring or testing for coliform bacteria and therefore cannot be sure of the quality of our drinking water during that time

TEST RESULTS (A)						
Lead and Copper Rule	No. of samples collected	PHG	Action Level	90 th percentile level detected	No. Sites Exceeding Action Level	Typical Source of Contamination
Lead (ppb) 2023	10	0.2	15	ND	0	Internal corrosion of household water plumbing systems; discharges from industrial manufacturers; erosion of natural deposits
Copper (ppm) 2023	10	0.3	1.3	0.17	0	Internal corrosion of household plumbing systems; erosion of natural deposits; leaching from wood preservatives

SAMPLING RESULTS FOR SODIUM AND HARDNESS						
Constituent	MCL	PHG [MCLG]	Sample Date	Weighted Average Level Detected (B)	Range	Typical Source of Contamination
Hardness (ppm)	None	None	2022/2023/2024	18.8	8.7 to 120	Generally found in ground and surface water
Sodium (ppm)	None	None	2022/2023/2024	4.7	2.6 to 26	Generally found in ground and surface water

DETECTION OF CONTAMINANTS WITH A PRIMARY DRINKING WATER STANDARD						
Constituent	MCL	PHG [MCLG]	Sample Date	Weighted Average Level Detected (B)	Range (C)	Typical Source of Contamination
Arsenic (ppb)	10	0.004	2022/2023/2024	2.0	ND to 2.1	Erosion of natural deposits
Barium (ppb)	1000	2000	2022/2023/2024	101	ND to 130	Discharges of oil drilling wastes; erosion of natural deposits
Chromium (Hexavalent) (ppb)	10	20	2024	0.05	ND to 0.35	Erosion of natural deposits; transformation of naturally occurring trivalent chromium to hexavalent chromium by natural processes and human activities such as discharges from electroplating factories, leather tanneries, wood preservation, chemical synthesis, refractory production and textile manufacturing facilities
Copper (ppm)	AL=1.3	0.3	2022/2023/2024	0.005	ND to 0.008	Erosion of natural deposits; leaching from wood preservatives
Fluoride (ppm)	2	1	2022/2023/2024	0.033	ND to 0.60	Erosion of natural deposits; water additive which promotes strong teeth; discharge from fertilizer and aluminum factories
Nitrate as N (ppm)	10	4	2024	0.5	ND to 1.5	Runoff and leaching from fertilizer use; leaching from septic tanks, sewage; erosion of natural deposits

DETECTION OF CONTAMINANTS WITH A SECONDARY DRINKING WATER STANDARD (D)					
Constituent	MCL	Sample Date	Weighted Average Level Detected (B)	Range (C)	Typical Source of Contamination
Chloride (ppm)	500	2022/2023/2024	2.2	1.1 to 14	Runoff/leaching from natural deposits
Color (Units)	15	2023/2024	5.2	ND to 30 (D)	Naturally-occurring organic materials
Copper (ppm)	1	2022/2023/2024	0.005	ND to 0.008	Erosion of natural deposits; leaching from wood preservatives
Iron (ppb)	300	2024	63	ND to 2700 (D)	Leaching from natural deposits; industrial wastes
Manganese (ppb)	50	2022/2023/2024	27	ND to 990 (D)	Leaching from natural deposits
Odor (Units)	3	2022/2023/2024	1.0	ND to 1.5	Naturally occurring organic materials
Specific Conductance (µS/cm)	1600	2022/2023/2024	44	12 to 360	Substances that form ions when in water; seawater influence
Sulfate (ppm)	500	2019/2022/2023/2024	3.2	ND to 47	Runoff/leaching from natural deposits; industrial wastes
Total Dissolved Solids (TDS) (ppm)	1000	2022/2023/2024	31	11 to 220	Runoff/leaching from natural deposits
Turbidity (Units)	5	2022/2023/2024	0.87	0.77 to 5.2	Soil runoff
Zinc (ppb)	5000	2022/2023/2024	51	ND to 110	Runoff/leaching from natural deposits

DETECTION OF SYNTHETIC ORGANIC CONTAMINANTS INCLUDING PESTICIDES & HERBICIDES						
Chemical or Constituent (and reporting units)	MCL	PHG [MCLG]	Sample Date	Weighted Average Level Detected (B)	Range (C)	Typical Source of Contamination
Trichloropropane (E) (1,2,3-TCP) (ppt)	5	0.7	2019/2022/2023/2024	ND	N/A	Discharge from industrial and agricultural chemical factories; leaching from hazardous waste sites; used as cleaning and maintenance solvent, paint and varnish remover, and cleaning and degreasing agent; byproduct during the production of other compounds and pesticides

DISINFECTION BYPRODUCTS AND DISINFECTANT RESIDUALS							
Chemical or Constituent (and reporting units)	MCL [MRDL]	PHG	MCLG [MRDLG]	Sample Date	Running Annual Average	Range (C)	Major Sources in Drinking Water
TTHM [Total Trihalomethanes] (ppb)	80	N/A	N/A	2024	36.6 to 44.9	22.8 to 81.5 (F)	Byproduct of drinking water chlorination
HAAS [Haloacetic Acids] (ppb)	60	N/A	N/A	2024	23.8 to 27.8	9.4 to 39.1(G)	Byproduct of drinking water disinfection
Chlorine as CL2 (ppm)	[4.0]	N/A	[4]	2024	0.5	0.4 to 1.0	Drinking water disinfectant added for treatment. Some people who use water containing chlorine well in excess of the MRDL could experience irritating effects to their eyes and nose or stomach discomfort

TTHM/HAAS: Actions were continued in 2024 by the District to maintain compliance with the regulatory Locational Running Annual Average (LRAA) requirements throughout 2024.

DISINFECTION BYPRODUCT PRECURSORS					
Control of DBP Precursors (TOC)	MCL	MCLG	Sample Date	Range	Major Sources in Drinking Water
Source Water (ppm)	TT	N/A	2024	0.97 to 2.2	Various natural and manmade sources
Treated Water (ppm)	TT	N/A	2024	0.93 to 1.7	Various natural and manmade sources

- (A) Results reported due to regulatory requirement or detection of a constituent.
- (B) The weighted average reflects the quantity of water provided from each source of supply, be it groundwater (wells) and/or surface water along with the representative concentration for a particular constituent.
- (C) Results reported include amounts that are less than the State Water Resource Control Board Division of Drinking Water (State Water Board/DDW) required detection level for this constituent.
- (D) **ABOUT SECONDARY DRINKING WATER STANDARDS:** Color, Iron, Manganese and Turbidity were found in the source waters at levels exceeding the Secondary MCLs. The MCLs are set to protect you against unpleasant aesthetic affects such as color, taste and odor or appearance of drinking water and/or the staining of plumbing fixtures, such as tubs and sinks, and clothing while washing. The elevated levels are typically due to leaching of natural deposits and/or soil erosion. Turbidity has no health effects. However, turbidity may indicate the presence of disease-causing organisms. The District uses convention filtration water treatment and disinfection of its water supply to address turbidity.
- (E) **ABOUT 1,2,3-TCP:** Some people who drink water containing 1,2,3-trichloropropane (1,2,3-TCP) in excess of the MCL over many years may have an increased risk of getting cancer.
- (F) **ABOUT TOTAL TRIHALOMETHANES (TTHMs):** Some people who drink water containing Trihalomethanes in excess of the MCL over many years may experience liver, kidney or central nervous system problems, and may have an increased risk of getting cancer.
- (G) **ABOUT HALOACETIC ACIDS (HAA5s):** Some people who drink water containing Haloacetic Acids in excess of the MCL over many years may have an increased risk of getting cancer.

Additional General Information On Drinking Water

All drinking water, including bottled water, may reasonably be expected to contain at least small amounts of some constituents. The presence of constituents does not necessarily indicate that the water poses a health risk. More information about constituents, contaminant levels and potential health effects can be obtained by calling the Environmental Protection Agency's Safe Drinking Water Hotline at 1/800/426-4791 or their website <https://www.epa.gov/dwreginfo/drinking-water-regulations>.

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 and some elderly and infants can be particularly at risk from infections. These people should seek advice about drinking water from their health care providers. USEPA/Centers for Disease Control (CDC) guidelines on appropriate means to lessen the risk of infection by cryptosporidium and other microbiological contaminants are available from the Safe Drinking Water Hotline 1/800/426-4791.

Treated