

## 2025 Consumer Confidence Report

*Este informe contiene información muy importante sobre su agua para beber. Favor de comunicarse North Edwards Water District a 760-769-4520 o 13525 Fran Street North Edwards, CA 93523 para asistirlo en español.*

### Water System Information

Water System Name: North Edwards Water District

Report Date: 07/01/2026

Type of Water Source(s) in Use: Groundwater and Surface Water from AVEK

Name and General Location of Source(s): Well 01 and Well 02 are located within the North Edwards Water District's (NEWD) service area. Well 01 and Well 02 were not used during 2025, therefore, this report does not include water quality results from Well 01 or Well 02 for 2025. In December 2023, the primary drinking water source was changed to the Antelope Valley-East Kern (AVEK) Water Agency interconnection.

Both wells owned by NEWD are kept on standby for emergency use only and the main source of water is AVEK's interconnection. If the wells must be used during an emergency, we will send out a notification to all customers. AVEK sources are summarized in the section covering January 01, 2025, to December 31, 2025. AVEK provided water from six groundwater wells in 2025, therefore, only water quality data from those sources are summarized in this report.

Drinking Water Source Assessment Information: A drinking water source assessment was completed for both wells. A copy of this assessment can be obtained from the State Water Resources Control Board Division of Drinking Water's Tehachapi Associate Engineer, Elia Estasy: (661) 335-7315 or [Elia.Estasy@waterboards.ca.gov](mailto:Elia.Estasy@waterboards.ca.gov)

Time and Place of Regularly Scheduled Board Meetings for Public Participation: At the District office 13525 Fran Street North Edwards, CA 93523 on the 3rd Monday of every month.

For More Information, Contact: Dan DeMoss, Chief Water System Operator (916) 661-7761

### 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, 2025, and may include earlier monitoring data.

## 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 E. coli 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.                                                                                                              |
| ND                                               | Not detectable at testing limit.                                                                                                                                                                                                                                     |
| NR                                               | Not required                                                                                                                                                                                                                                                         |
| NTU                                              | Nephelometric turbidity units                                                                                                                                                                                                                                        |
| N/A                                              | Not applicable                                                                                                                                                                                                                                                       |
| ppm                                              | parts per million or milligrams per liter (mg/L)                                                                                                                                                                                                                     |
| ppb                                              | parts per billion or micrograms per liter (µg/L)                                                                                                                                                                                                                     |
| ppt                                              | parts per trillion                                                                                                                                                                                                                                                   |
| pCi/L                                            | picocuries per liter (a measure of radiation)                                                                                                                                                                                                                        |
| µS/cm                                            | Microsiemens per centimeter                                                                                                                                                                                                                                          |

## 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, 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.

## 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:** 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. North Edwards Water District is responsible for providing high quality drinking water and removing lead pipes but cannot control the variety of materials used in plumbing components in your home. You share the responsibility for protecting yourself and your family from the lead in your home plumbing. You can take responsibility by identifying and removing lead materials within your home plumbing and taking steps to reduce your family's risk. Before drinking tap water, flush your pipes for several minutes by running your tap, taking a shower, doing laundry or a load of dishes. You can also use a filter certified by an American National Standards Institute accredited certifier to reduce lead in drinking water. If you are concerned about lead in your water and wish to have your water tested, contact North Edwards Water District and Fernando Saenz, Chief Plant Operator, at 559-623-2457. Information on lead in drinking water, testing methods, and steps you can take to minimize exposure is available at <http://www.epa.gov/safewater/lead>.

### **2025 Lead Service Line Inventory (LSLI)**

The Lead and Copper Rule Revisions (LCRR) published by the U.S. Environmental Protection Agency (EPA) require all water systems to complete an initial lead service line inventory (LSLI) by October 16, 2024. NEWD reviewed historical building records and prioritized their focus on homes built prior to the 1986 lead pipe material ban. NEWD then conducted field surveys to identify all customer service lines in the service area built prior to 1986. 244 service lines were verified. 169 were deemed plastic/non-lead. 33 were identified as galvanized. 41 were identified as copper and 1 was unidentifiable due to inaccessibility. A copy of the 2024 Lead Service Line Inventory is available at the District office for review and published by the EPA.

## **About Your Drinking Water Quality**

### **Drinking Water Contaminants Detected**

Tables 1, 2, 3, 4, 5 and 6 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, is more than one year old. Any violation of an AL, MCL, or MRDL 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 | AVEK                      |                            | MCL | MCLG | Typical Source of Bacteria   |
|------------------------------|---------------------------|----------------------------|-----|------|------------------------------|
|                              | Highest No. of Detections | No. of Months in Violation |     |      |                              |
| <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**

| NEWD          |      |                          |                                   |                        |     |     |                                                                                                                               |
|---------------|------|--------------------------|-----------------------------------|------------------------|-----|-----|-------------------------------------------------------------------------------------------------------------------------------|
| Lead & Copper | Date | No. of Samples Collected | 90 <sup>th</sup> Percentile Level | No. Sites Exceeding AL | AL  | PHG | Typical Source of Contaminant                                                                                                 |
| Lead (ppb)    | 2025 | 20                       | ND                                | 1                      | 15  | 0.2 | Internal corrosion of household water plumbing systems; discharges from industrial manufacturers; erosion of natural deposits |
| Copper (ppm)  | 2025 | 20                       | 0.130                             | 0                      | 1.3 | 0.3 | Internal corrosion of household plumbing systems; erosion of natural deposits; leaching from wood preservatives               |

Note: Data provided in Table 2 is from the NEWD. AVEK is not subject to the lead and copper rule.

**Table 3. Sampling Results for Sodium and Hardness**

| Chemical or Constituent (reporting units) | AVEK |                |       | MCL  | PHG (MCLG) | Typical Source of Contaminant                                                                                        |
|-------------------------------------------|------|----------------|-------|------|------------|----------------------------------------------------------------------------------------------------------------------|
|                                           | Date | Level Detected | Range |      |            |                                                                                                                      |
| Sodium (ppm)                              | 2024 | 40             | NA    | None | None       | Salt present in the water and is generally naturally occurring                                                       |
| Hardness (ppm)                            | 2024 | 210            | NA    | 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<br>(reporting units) | AVEK        |                |           | MCL<br>[MRDL<br>] | PHG<br>(MCLG)<br>[MRDLG] | Typical Source of Contaminant                                                                                                                                                   |
|----------------------------------------------|-------------|----------------|-----------|-------------------|--------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                              | Date        | Level Detected | Range     |                   |                          |                                                                                                                                                                                 |
| Arsenic (ppb)                                | 2025        | 4.4            | 2.6-8.8   | 10                | 0.004                    | Erosion of natural deposits; runoff from orchards; glass and electronics                                                                                                        |
| Barium (ppb)                                 | 2024        | 29             | 100 - 110 | 1000              | 2000                     | Discharges of oil drilling wastes and from metal refineries; erosion of natural deposits.                                                                                       |
| Total Chromium (ppb)                         | 2024        | ND             | ND        | 50                | (100)                    | Discharge from steel and pulp mills and chrome plating; erosion of natural deposits                                                                                             |
| Fluoride (ppm)                               | 2024        | 0.002          | 0.2-0.3   | 2.0               | 1.0                      | Erosion of natural deposits; water additive that promotes strong teeth; discharge from fertilizer and aluminum factories                                                        |
| Nitrate (as N) (ppm)                         | 2025        | 3.9            | 1.2-6.0   | 10                | 10                       | Runoff and leaching from fertilizer use; leaching from septic tanks and sewage; erosion of natural deposits                                                                     |
| Selenium (ppb)                               | 2024        | 2.7            | 5.2-10    | 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) |
| Gross Alpha Particle Activity (pCi/L)        | 2024        | 6.1            | NA        | 15                | (0)                      | Erosion of natural deposits                                                                                                                                                     |
| Gross Beta Particle Activity (pCi/L)         | 2018 - 2021 | 2.2            | ND-4.7    | 50                | N/A                      | Decay of natural and man-made deposits                                                                                                                                          |
| Uranium (pCi/L)                              | 2024        | 6.3            | 4.1-8.4   | 20                | 0.43                     | Erosion of natural deposits                                                                                                                                                     |

| Chemical or Constituent<br>(reporting units) | AVEK |                |             | MCL<br>[MRDL] | PHG<br>(MCLG)<br>[MRDLG] | Typical Source of Contaminant                   |
|----------------------------------------------|------|----------------|-------------|---------------|--------------------------|-------------------------------------------------|
|                                              | Date | Level Detected | Range       |               |                          |                                                 |
| Total Trihalomethanes (ppb)                  | 2025 | 20             | 15 - 24     | 80            | None                     | Byproduct of drinking water disinfection        |
| Total Haloacetic Acids (ppb)                 | 2025 | 3.2            | 2.8 - 4.0   | 60            | None                     | Byproduct of drinking water disinfection        |
| Chlorine (ppm)                               | 2025 | 1.03           | 0.29 - 1.34 | [4]           | [4]                      | Drinking water disinfectant added for treatment |

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

| Chemical or Constituent<br>(reporting units) | AVEK |                |            | MCL   | PHG<br>(MCLG) | Typical Source of Contaminant                               |
|----------------------------------------------|------|----------------|------------|-------|---------------|-------------------------------------------------------------|
|                                              | Date | Level Detected | Range      |       |               |                                                             |
| Turbidity (NTU)                              | 2025 | 0.4            | 0.05 – 1.5 | 5     | None          | Soil runoff                                                 |
| Chloride (ppm)                               | 2024 | 70             | 49 - 110   | 250   | None          | Runoff/leaching from natural deposits; seawater influence   |
| Color (mg/L)                                 | 2024 | ND             | ND - 3     | 15    | None          | Naturally occurring organic materials                       |
| Iron (ppm)                                   | 2024 | 4.9            | ND - 28    | 300   | None          | Leaching from natural deposits; industrial wastes.          |
| Total Dissolved Solids (ppm)                 | 2024 | 390            | 330-550    | 1,000 | None          | Runoff/leaching from natural deposits                       |
| Specific Conductance (µS/cm)                 | 2024 | 660            | 560-870    | 1,600 | None          | Substances that form ions when in water; seawater influence |

| Chemical or Constituent<br>(reporting units) | AVEK |                |          | MCL | PHG<br>(MCLG) | Typical Source of Contaminant                            |
|----------------------------------------------|------|----------------|----------|-----|---------------|----------------------------------------------------------|
|                                              | Date | Level Detected | Range    |     |               |                                                          |
| Magnesium (ppm)                              | 2024 | 8.0            | 4.6 - 13 | N/A | None          | Runoff/leaching from natural deposits                    |
| Sulfate (ppm)                                | 2024 | 58             | 42-91    | 250 | None          | Runoff/leaching from natural deposits; industrial wastes |
| Foaming Agents (ppb)                         | 2024 | ND             | ND       | 0.5 | None          | Municipal and industrial waste discharges                |

**Table 6. Detection of Contaminants without a Drinking Water Standard**

| Chemical or Constituent<br>(reporting units) | AVEK |                |           | Typical Source of Contaminant                              |
|----------------------------------------------|------|----------------|-----------|------------------------------------------------------------|
|                                              | Date | Level Detected | Range     |                                                            |
| Alkalinity (ppm)                             | 2024 | 150            | 140 - 160 | Runoff/leaching from natural deposits; seawater influence. |
| Calcium (ppm)                                | 2024 | 70             | 50 - 100  | Runoff/leaching from natural deposits; seawater influence. |
| pH (no units)                                | 2025 | 7.7            | 7.6 – 7.9 | Runoff/leaching from natural deposits; seawater influence. |

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

| <b>Violation</b>            | <b>Explanation</b>                                                                                      | <b>Duration</b>          | <b>Actions Taken to Correct Violation</b>                                                      | <b>Health Effects Language</b> |
|-----------------------------|---------------------------------------------------------------------------------------------------------|--------------------------|------------------------------------------------------------------------------------------------|--------------------------------|
| Lead and Copper monitoring  | We failed to take our lead and copper samples during the prescribed monitoring period. We sampled late. | 01/01/2025 to 12/31/2025 | We repeated the lead and copper sampling and have set up a tracking system to monitor on time. | Unknown.                       |
| Lead Service Line Inventory | We failed to identify one service line because it is covered with concrete.                             | 01/01/2025 to 12/31/2025 | We are looking through records to determine pipe material.                                     | Unknown.                       |

For more information, please contact Debra Skelton at [dskelton@calruralwater.org](mailto:dskelton@calruralwater.org)