Cucamonga Valley® Water District

*Service Beyond Expectation*

# Wellhead Treatment Plant Project

July 1, 2021 Update

## What Customers Need to Know

The Cucamonga Valley Water District (CVWD) has constructed a new wellhead treatment plant referred to as the Nitrate Treatment Facility (NTF). This project is designed to remove nitrate, a contaminant associated with historical agricultural activities in the region, and will restore access to a valuable local water resource. CVWD is committed to providing reliable, high quality water to meet the needs of the community. Site landscape construction is being coordinated with the reservoir project on the adjacent southeast corner. The landscape design rendering is available for review on CVWD's website.


## Project at a Glance

- Construction of a new treatment plant to remove nitrate from groundwater and restore beneficial use of a local drinking water resource.
- Enhanced water-supply reliability for customers.
- Awarded Proposition 1 funding from the State of California for groundwater sustainability.

## Current and Future Work

- Testing and technology-demonstration of the NTF is in progress and is necessary for regulatory permitting.
- Construction of site landscaping is planned for the latter part of the project, in coordination with the adjacent reservoir project.

For comments or questions:
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## Frequently Asked Questions

### What is the purpose of this facility?

The local groundwater aquifer, known as Cucamonga Basin, is contaminated with nitrate in places. Nitrate contamination in groundwater is very common throughout California and the United States. Nitrate is generally a remnant of agricultural activities. This project is implementing an emerging technology developed to remove nitrate from drinking water utilizing a biological reduction process.

### When will the project be complete?

The current testing and demonstration phase is expected to span 2 to 8 months. This phase is required to ensure the process can reliably remove nitrate contamination and produce high quality drinking water. Concurrently, the final construction activities, including landscape, are being coordinated with the ongoing construction of the new drinking water reservoir project on the southeast corner. Completion of landscape construction is scheduled for late 2021; project testing, demonstration, and final drinking water permitting is anticipated in 2022.

### Why is there water running into the storm drain from the facility?

This water flowing from the project is not drinkable…yet. The project must be operated, which means processing water, for several months to test process performance and receive a permit for use as drinking water.

This water is NOT being wasted. Through close coordination with our regional partners, this water is being captured and recharged downstream in another groundwater aquifer accessible to CVWD. To the contrary, without this project, this local water resource would not be usable.

### What will the landscaping look like?

A rendering of the proposed landscape design is available on the district's website CVWDwater.com. The design utilizes native, drought tolerant species. Once established and mature, the landscape will provide screening and greatly improve the appearance of the project from the street view. The rendering is intended to represent the maturity of the landscape one year after planting.