

E-2 Grant Funding Update Corrective Action Plan

Corrective Action Plan

Water System: Juniper Riviera CWD – AR 6227 (CA 3600222), TA Provider: Office of Water Programs at CSUS, Subconsultant: NV5
Date: 12/31/2024

1 – Proposed Solution for Arsenic and Fluoride MCL Violation

Juniper Riviera CWD is currently receiving Technical Assistance from the State Water Board Division of Financial Assistance (DFA) to evaluate system improvements to address the Arsenic and Fluoride MCL violations. An engineering report has been developed by NV5 which proposes system improvements to increase system efficiency in terms of water quality, production, storage, and system monitoring. The proposed alternative includes construction of a new well (well no. 4), improving wells 1 and 2, and adding new storage tanks as well as rehabilitating several existing storage tanks within the system. An additional water source in combination with well improvements will give the district the ability to meet the MCLs for fluoride and arsenic as well as water demands within its service area while maintaining long term sustainability and reliability.

2 – Proposed Project Schedule Overview

Project Phase	Deliverable	Scheduled Completion Date
P01 - System Engagement & Corrective Action Plan	Approved CAP	1/17/2025
P02 - Technical Assistance (TA)	Approved TA Workplan	TA Approved: Amendment In Progress
P03 - Project Evaluation	Approved Feasibility Study or Engineering Report	Draft: Completed on 1/4/2022 Final: 6/20/2025
P04 - Technical Studies	Completed Technical Studies	9/26/2025
P05 - Legal and Environmental Documents	Completed CEQA	Draft Bio Report: Completed on 8/21/2024 Final Environmental Package: 9/27/2025
P06 - Project Design	Approved 90% Plans and Specifications	9/27/2025
P07 - Construction Funding Application	Funding Application Deemed Complete	1/30/2026
P08 - Secure Funding	Executed Construction Funding Agreement	1/30/2027
P09 - Pre-Construction	Notice to Proceed w/ Construction	7/30/2027
P10 - Project Construction	Project Complete & Water System RTC'd	7/30/2028

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May 6, 2025

Hello JRCWD Team,

This letter serves as a reminder of the Juniper Riviera County Water District's Grant Project Details and updates from the April 2025 teleconference between JRCWD and State Agencies.

Project Background – Juniper Riviera County Water District has three wells that supply the system. Well No. 2 has been issued citations and compliance orders for exceeding the maximum contaminant level (MCL). Well No. 3 is currently utilized on a limited basis due to the water quality exceedances of MCLs for fluoride and arsenic. The District has also received citations for exceeding the total Coliform MCL.

Scope Definition – The scope of The Office of Water Programs (OWP) Technical Assistance project is to complete the following work for Juniper Riviera County Water District to address system deficiencies in water quality, supply, and storage infrastructure deficiencies:

- *Construction Application (General, Technical, Environmental and Financial Packages)*
- *TMF Assessment*
- *Engineering Report*

Some potential alternatives to be examined in the engineering report include but are not limited to:

§ DRILLING OF A NEW WELL

§ PROVIDING WELLHEAD TREATMENT

§ CONSOLIDATION

Path Forward – *James Owens, a P.E. at NV5* will move forward with design and spec development in addition to the environmental portions of the project. A request was made to include funding for a backup generator/s in this technical assistance project listed in the Preliminary Engineering Report (PER) with estimated costs.

Jason Heltzel, a Research Engineer at Sacramento State provided relevant information to the project team. The latest version of the PER developed by NV5 includes a mainline extension to loop a southern portion of Juniper Riviera's system. *NOTE: If easements are not given to JRCWD by those property owners, this portion of the grant may be removed*). It is worth noting that the DRAFT Biological Report is also completed. The work plan amendment continues in its process for approval for an extension of both time and an increase in NV5 costs as the project anticipated deadline dates have passed with continued work efforts to keep the project

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active. NV5 is requesting an additional \$40,000 with the extension and allocating contingency funding to complete the work plan tasks.

James Owens with NV5 mentioned at the March call that there may be additional regulations regarding setback requirements for Joshua Trees, which may affect the project's current design/layout. These Regulations are still in development at the County level with hopes of having more information later this summer.

CONTACT LIST – None. (8) participants were on the call at the May 6, 2025, teleconference.

FUTURE CALLS – June 3rd, 2025, at 9:00 am

CURRENT GRANT ACTION ITEMS -

John H. – Coordinate Work Plan Amendment (Provide Jason H. with updated Timeline for Amendment D)

James O. – Provide updated Proposal with easement effort reduced to align with technical package budget.

Daniel S. – Review revised Corrective Action Plan (CAP) with the Board of Directors and provide feedback during May meeting.

Sincerely,



Daniel B. Smith

General Manager, JRCWD