



Restoring 100s of Millions of Gallons of Nitrate-Contaminated Water for California

In California, the U.S. EPA estimates that 10 percent of all drinking water wells are contaminated with nitrate that exceeds safe standards.

At Sunny Slope Water Company (SSWC), this meant purchasing Tier 2 replenishment water at a significant cost to blend with water from its existing wells.

SSWC needed to find a cost effective solution to alleviate the additional concentrated waste stream found with conventional technologies such as ion exchange (IX).

The Microvi MNE™ process for nitrate removal, developed from the [MicroNiche Engineering](#) platform, is approved by the California Division of Drinking Water (DDW) and NSF/ANSI 61 certified. The technology converts nitrate into harmless nitrogen gas instead of a waste stream.

For SSWC, Microvi MNE™ lowers nitrate levels to >3 mg/L and SSWC is able to use water from its own wells, without having to purchase expensive replenishment water. The installation produces 200 million gallons of clean water annually.

Project Details

Site Owner: Sunny Slope Water Company (SSWC)

Engineer: Microvi

Issue: High levels of nitrate

Solution: [Microvi MNE™](#) for Nitrate

Key Results:

- Reduction of nitrate to less than 3 mg/L
- No secondary waste stream, alleviating disposal costs
- High water recovery
- Low energy requirements
- Significant savings over conventional treatment

CONTACT US TO LEARN MORE →

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