

# **WEAVERVILLE COMMUNITY SERVICES DISTRICT (CSD) SELECTS OSEC® L SYSTEM FOR MUNICIPAL DRINKING WATER**

**WEAVERVILLE, CALIFORNIA, US**

The Weaverville Community Services District (CSD) is a publicly owned municipal water agency located in Weaverville, CA. The facility needed to retrofit in existing building and switch from a gas feed system to an onsite hypochlorite system. The conversion from gas to hypochlorite is a trend being seen in many Northern California districts as regulations on chlorine gas increase.

## **The Challenge**

Weaverville CSD wanted to convert their existing gas chlorine system to a safer and more effective hypochlorite system; but because of small ppd requirements and a remote location, bulk hypochlorite delivery was determined to be too expensive. General Manager Wes Scribner started looking for onsite technologies as a cost saving alternative. Part of his challenge included finding the right hypo technology that is accessible and not too expensive for the plant capacity required. Traditionally, on-site generation systems have been too expensive for customers with lower chlorine demands to recognize a significant return on investment. The new design of the OSEC® L system not only met the tight footprint restrictions, but also offered a turnkey solution that is affordable to install and operate.

The OSEC L system is a low capacity bipolar brine-based hypochlorite generator. It is an inherently safe alternative to chlorine, sodium hypochlorite and calcium hypochlorite; the OSEC L system does not require handling of any hazardous chemicals. The generator produces a dilute hypochlorite solution <1.0 wt% concentration using saturated brine (salt), water and electricity in an electrochemical process. With an embedded process controller the system is fully automated and works in batching operation mode.

## **Weaverville CSD**

**DRINKING WATER PLANT:**  
302 million gallons of treated water annually

**EQUIPMENT:**  
1 - OSEC L 20 ppd full system



# WEAVERVILLE COMMUNITY SERVICES DISTRICT (CSD) SELECTS OSEC® L SYSTEM FOR MUNICIPAL DRINKING WATER

WEAVERVILLE, CALIFORNIA, US

## Footprint

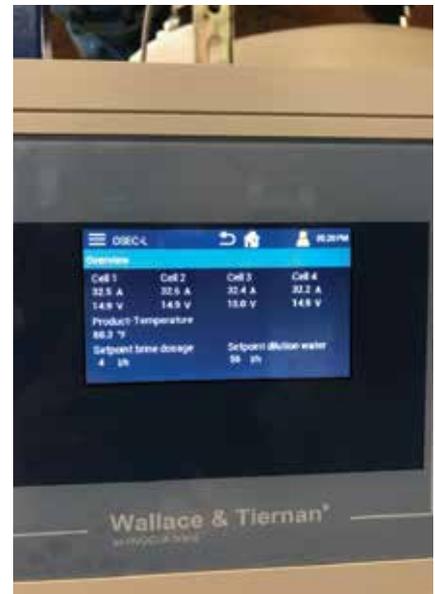
Renovation and retrofit projects can often be challenging due to space restrictions. The Weaverville CSD facility required an On Site Electro Chlorination unit with a compact footprint to fit the existing floorplan. Evoqua's OSEC® L system is relatively compact compared to competitors, taking up approximately 50% less space, and fit perfectly within Weaverville's space requirements.

"The unit is clean, simple, and professional. We really appreciate the modular nature of it as well to allow it to fit into a challenging space." said Scribner, "We are happy to be the first unit to be installed and have been bragging about it."

## Summary

Since adding the OSEC L system, the Weaverville CSD has been able to address their move away from gas and has realized significant savings by sourcing their salt through local hardware stores. They also no longer need to transport chemicals to their remote location, saving additional cost and effort.

"With the increasing regulations on chlorine gas, it has worked out well for us." said Scribner. "We look forward to installing another unit at our other treatment plant."



558 Clark Road Tewksbury, MA 01876

+1 (800) 832-8002 (toll-free)

+1 (401) 821-2200 (toll)

[www.evoqua.com](http://www.evoqua.com)

Wallace & Tiernan and OSEC, are trademarks of Evoqua Water Technologies LLC its subsidiaries or affiliates in some countries.

All information presented herein is believed reliable and in accordance with accepted engineering practices. Evoqua makes no warranties as to the completeness of this information. Users are responsible for evaluating individual product suitability for specific applications. Evoqua assumes no liability whatsoever for any special, indirect or consequential damages arising from the sale, resale or misuse of its products.

© 2018 Evoqua Water Technologies LLC

Subject to change without notice

WT-WEAVERVILLECSD-CS-1018