

Making Clean Water & Salt: USBR Demonstrates Zero Liquid Discharge

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/EINPresswire.com/ -- The United States Bureau of Reclamation (USBR) engaged [Saltworks Technologies](#) to demonstrate the zero liquid discharge SaltMaker at a US location. Zero liquid discharge involves treating 100% of the water flow to only produce two outputs: clean water and all contaminants reduced to a solid, which is salt in this case.

The USBR is dedicated to protecting the environment and has been intercepting saline water from entering an important American watershed. To demonstrate a full-scale solution for desalinating the saline water, known as brine, the USBR selected Saltworks' [SaltMaker Evaporator Crystallizer](#) after a comprehensive competitive review of brine management and ZLD technologies.



Saltworks' SaltMaker Evaporator Crystallizer Pilot

The demo plant was delivered in the winter and operated 24/7 to produce solid salts and freshwater. Project leader Malcolm Man said that, “we sent one of our SaltMaker pilots from our test fleet in a pre-packaged shipping container along with a team of operators. We are incredibly proud of the hard work demonstrated by our team that resulted in rapid ZLD solid salt production on day four and continues to deliver results that help protect US waters.”

“Site staff as well as the other Reclamation personnel who have visited the demonstration test have been very impressed with Saltworks employees’ communication, technical knowledge, and professionalism,” commented USBR Civil Engineer Frederick Busch.

The demonstration shows that rivers and lakes can be protected by ZLD, extracting contaminants of concern in a single, packaged plant that does not require pre-treatment or complex, multi-step processes.

About Saltworks Technologies

Saltworks Technologies treats the toughest water. Saltworks delivers modular, intelligent industrial desalination and zero liquid discharge (ZLD) water treatment plants. We reliably separate out the salt, so customers can focus on their core business. View timelapses and other technology videos on their [YouTube](#) channel.

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