

The world's first commercial Full Recovery DesalinationSM Enviro Water Minerals (EWM)



Location
El Paso, Texas

Capacity
1.25 MGD

Value
\$45 Million

Constructed
2016

Feed Water Quality
3,800 mg/L TDS

NorrisLeal Role: Engineering, design,
construction and operations

The world's first commercial Full Recovery DesalinationSM plant is adjacent to El Paso Water's Kay Bailey Hutchinson Water Treatment facility will process waste brine that is currently being disposed of through deep well injection about 20 miles from the site.

The El Paso Full Recovery DesalinationSM plant was designed, constructed, and managed and operated by NorrisLeal. Overall, the project warranted more than 300 contracts/purchase orders with suppliers from around the world.

Construction began in February 2016 with completion and start-up in April 2017. This aggressive, 14-month construction timeline took a commitment and dedicated effort from the entire team of owners, engineers, contractors and suppliers.

The El Paso Facility is designed to:

- Produce approximately 2.1 million gallons per day (mgd) of potable quality water from 1 MGD brackish water combined with 1.25 MGD of waste brine concentrate
- Create marketable commodities from the brine, including hydrochloric acid, caustic soda, gypsum and magnesium hydroxide
- Generate no waste products from disposal Project received Award of Distinction at the Global Water Summit in Paris in April and the 2017 Innovate Water Supply Water Award from the TWDB



Global Water Summit, Paris,
France – Award of
Distinction, 2018



Texas Water Development
Board – Innovative Water
Supply Award, 2017