WHAT IS THE BRINE LINE?



The Inland Empire Brine Line is an effective, economical way to dispose of salty wastewater, which is sometimes produced through manufacturing and water treatment processes. Salt removal is important for protecting water quality and meeting regulatory requirements. Like much of the Inland Empire, wastewater treatment plants in inland areas have total dissolved solids (TDS) restrictions, which may prevent your industry from discharging its waste to the municipal sewer. The Brine Line removes 500,000 pounds of salt per day from the watershed by transporting salty wastewater to a wastewater treatment plant operated by the Orange County Sanitation District. After treatment, the water is discharged into the Pacific Ocean. With the Brine Line, businesses can now dispose of salty wastewater locally at a substantial cost savings, without trucking it outside of the region.

PROTECTING THE WATERSHED

The Brine Line offers many benefits to the Santa Ana River Watershed, including:

- Allows industries that produce salty wastewater high in total dissolved solids to locate their operations inland, away from the coast.
- Enables customers to utilize the highest levels of water conservation, which allows better use of groundwater resources and expands the ability to reclaim water.
- Protects and improves groundwater quality through salt and contaminant removal.
- Currently removes 500,000 pounds of salt per day from the Inland Empire portion of the watershed.

WHAT OUR CUSTOMERS ARE SAYING:

"The Brine Line is important to us because we discharge about 145,000 gallons of water per day. If we didn't have a way to dispose of that much water to the Brine Line, we would have to shut down the plant." -Viviano Del Villar | Vice President of Operations | Del Real Foods

"Part of our mission statement as a company is to conserve the world's energy and resources. I think conserving water and being able to use the Brine Line is part of that mission statement. The Brine Line has been the most reliable, low cost option for us to remove water from the site."

-Rick Glasmann | General Manager | International Rectifier

"We wouldn't be able to operate without the Brine Line." -Ben Strassohofer | District Operations Manager | Mission Linen Supply

"There are no other feasible alternatives to the Brine Line." -Inland Empire Energy Center

CALL TODAY TO LEARN MORE



SANTA ANA WATERSHED PROJECT AUTHORITY (SAWPA) 11615 Sterling Avenue | Riverside, California | 92503 t: 951.354.4220 | f: 951.688.8030 | e: IEBrineline@SAWPA.gov www.sawpa.gov/brineline

The Inland Empire Brine Line is a joint effort of SAWPA and the following agencies:

















INLAND EMPIRE BRINE LINE

A valuable resource for businesses, the Inland Empire, and the environment.







THERE ARE TWO WAYS TO CONNECT:

TRUCKED DISPOSAL

- Customers who typically generate a small amount of salty wastewater or who cannot connect directly to the Brine Line due to location.
- Disposal of salty wastewater occurs at one of the four Brine Line Collection Stations using a permitted trucker. A complete list of permitted truckers is available from SAWPA.
- Everyone within the SAWPA service area is within 20 miles of a Collection Station (refer to map on right).



IS THE BRINE LINE RIGHT FOR MEP

Industries that typically benefit from disposal of salty wastewater to the Inland Empire Brine Line include:

- Biotech Manufacturing
- Pharmaceutical Companies
- Electronic Parts Manufacturers
- Power Plants
- Co-Generation Plants
- Medical Supply Manufacturing
- Water Purification Plants
- Bottled Water Facilities
- Ion Exchange Facilities
- Computer Chip Manufacturers
- Commercial Laundries
- Food and Beverage Processing

Any industries that generate wastewater high in total dissolved solids, or use any of the following:

- Large Water Softeners
- Large Cooling Towers
- Large Boilers
- Ultra-pure water

"Brine Line capacity has a high value; we are researching the option of leasing future capacity."

-City of Corona **Department of Water and Power**

HOW MUCH DOES IT COST?

The cost of salty wastewater disposal is based on four components:



Volume Discharged



Concentration of Biochemical Oxygen Demand



Concentration of Total Suspended Solids

Type of connection

DIRECT DISPOSAL

Customers who produce a higher volume of salty wastewater and are located close enough to construct a direct Brine Line connection

DISPOSAL LIMITS

Your waste must meet established limits for certain elements. For more information on disposal limits, please visit:

www.sawpa.gov/brineline/moreinformation, then click on "Disposal Limits."

Brine Line customers have a significant cost advantage compared to those in the rest of the Los Angeles Basin:

- Salty wastewater disposal into the Brine Line is approximately \$0.05 per gallon (low concentration of Biochemical Oxygen Demand and Total Suspended Solids).
- Salty wastewater disposal elsewhere in the LA basin can be as high as \$0.25 per gallon.
- Brine Line customers could realize up to 500% reduction in disposal costs.





