

# SUCCESS STORY

## Effective support for seasonal water quality changes

Successfully deploying mobile water purification equipment to keep a refinery operational through seasonal water source issues

### CLIENT

Northern  
California  
Independent  
Refinery

### PRODUCTS + SOLUTIONS

Mobile Deionization  
(MODI) trailers  
Temporary carbon  
service vessels

### THE CHALLENGE

- Seasonal water source changes increase filtration needs
- Inadequate in-house water treatment threatens production
- Hot weather worsens problem by increasing water loss

### THE SOLUTION

- Rapidly deployed Mobile Deionization (MODI) water filtration fleet
- Customized water purification equipment delivered required quality and quantity
- Mobile equipment delivered an immediate, temporary solution for the duration of the seasonal need

### THE RESULTS

- Flexible and scalable mobile water filtration trailers provide an optimal solution for short-term and seasonal needs
- Delivered adequate water quantity and quality to keep the refinery meeting production goals
- Client contacted Puretec to deploy MODI water filtration solution the following year for both the Northern and Southern California refineries

## THE CHALLENGE

A large Northern California refinery struggled to maintain production through seasonal water changes while hot weather increased cooling tower evaporation.

The plant's raw water quality changed drastically as the surface water source experienced turbidity and inundation with excess organics.

These seasonal changes overtaxed the existing water treatment system clogging pretreatment equipment and negatively impacting reverse osmosis (RO) reliability and quality.

The struggling water treatment system couldn't keep up with the plant's water demands and reduced production capacity.

## THE SOLUTION

The customer needed an emergency solution and Puretec delivered within 24 hours.

We installed 630 cubic foot, 10 million grain Mobile Deionization (MODI) trailers to treat 200 gpm of raw water and effectively supplement the plant's low RO throughput.

With the emergency issue addressed, Puretec added temporary 45 cubic foot carbon service vessels to further improve filtration by reducing organics and color.



## EFFECTIVE & ON-DEMAND

Immediate action and highly effective mobile water treatment solutions allowed the refinery to maintain production with no disruption.

Once the seasonal surface water quality issues resolved, Puretec's mobile treatment equipment was disconnected, and the client returned to their in-house water purification processes.


The client's satisfaction and successful production schedule resulted in an extended contract to continue refinery support and similar support for the customer's other plant in Southern California.

[Learn more](#) about how Puretec delivers emergency, on-demand, and temporary water purification solutions for various industries and applications.



# Let's Build Something Together


Puretec has strategically located facilities in the Southwest to provide immediate service for your high purity water needs.

 **Oxnard, California**


3151 Sturgis Road  
Oxnard, CA 93030

 **Anaheim, California**


1815 S. Lewis Street  
Anaheim, CA 92805

 **San Diego, California**

7151 Ronson Road  
San Diego, CA 92111

 **San Jose, California**

1291 Oakland Road  
San Jose, CA 95112

 **Gilbert, Arizona**

1440 N. Hobson Street  
Gilbert, AZ 85233

## ABOUT PURETEC

We're an innovative industrial water service company providing high purity solutions with hundreds of uses across dozens of industries. Our pure water solutions include deionized water service, water softening, reverse osmosis, mobile trailers, and many other advanced filtration solutions.

An independent, family-owned business, Puretec believes in doing our best in everything we do, acting with integrity, and treating our clients and employees with respect. We're proud to be a certified "Great Place to Work."

It's not just water.

*It's Puretec!*

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