



**WATER  
AGENCY**

# **MGBP AND MOCHO WELLFIELD PFAS COMPLIANCE CONCEPTUAL DESIGN**

Zone 7 Board Meeting  
April 17, 2024

Mona Olmsted, Acting Engineering Manager

# Supports Multiple Strategic Plan Initiatives



## Water Reliability

### Initiative 3

Continue to effectively implement infrastructure projects in the Water System CIP



## Water Quality

### Initiative 6

Assess treatment requirements and strategy for PFAS and Chromium 6

# PFAS Regulatory Update

On April 10, US EPA established national standards for six per- and polyfluoroalkyl substances (PFAS), including five individual maximum contaminant levels (MCLs) and an MCL for a mixture of four PFAS

Public water systems must monitor for these PFAS and have three years to complete initial monitoring and begin reporting

- Zone 7 has been actively monitoring for PFAS since late 2018 and reporting results in the annual Consumer Confidence Report (CCR)

Public water systems have five years to comply with the new MCLs

- Zone 7's groundwater wells are either taken out of service or treated to below the new MCLs before delivery to customers

State of California has advisory response levels and is in the process of developing its own PFAS standards



# Zone 7 is Proactively Addressing PFAS



**Proposed Mocho  
PFAS Treatment Plant**



**Stoneridge PFAS Treatment Plant  
Ribbon Cutting Ceremony, Sept. 2023**



**Chain of Lakes PFAS Treatment Plant  
Constructing Tank Pad, April 2024**

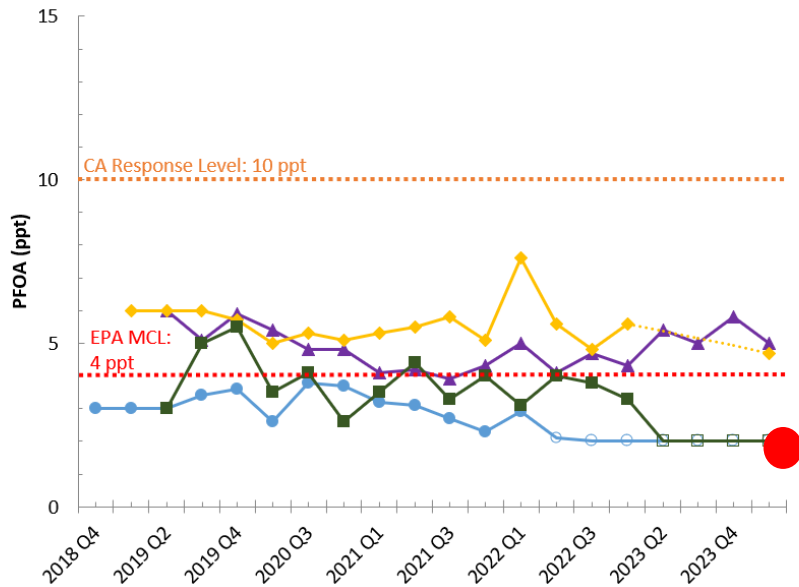


# PFAS Levels at Mocho Wells

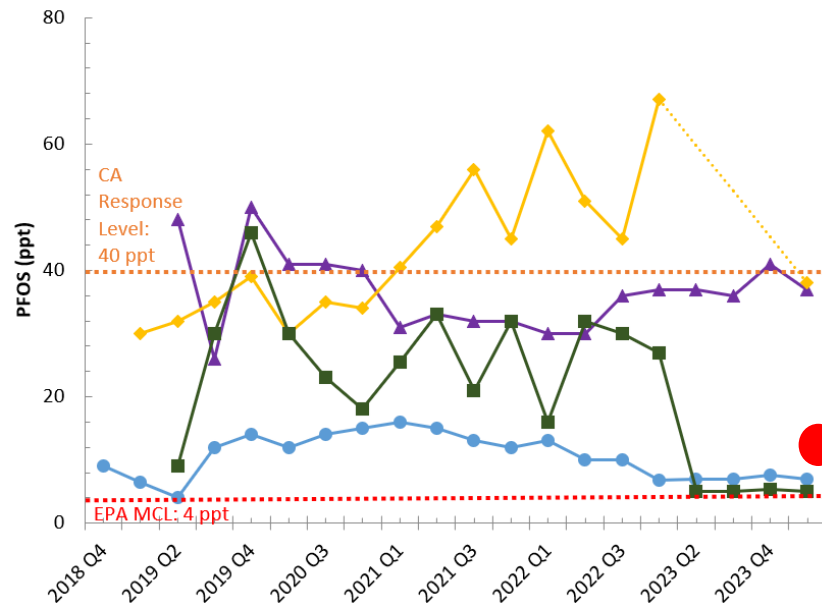
**Legend:**

- Mocho Well 2 (offline since 2/7/24)
- Mocho Well 3 (offline since 4/7/24)
- Mocho Well 4
- Blended MGD and Online Wells (actual)
- Blended MGD and All Wells (projected)

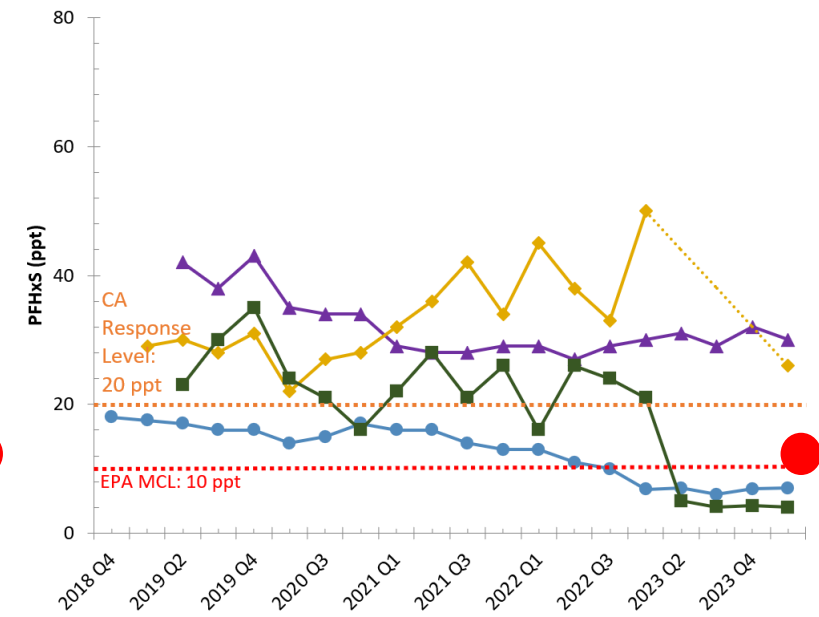
## PFOA



## PFOS



## PFHxS



# Proposed Mocho Wellfield PFAS Treatment Facility Project

## Conceptual Design

- Identify optimal conceptual treatment configuration
- Evaluate site requirements
- Develop interim modifications
- Complete by December 2024

## Construction

Begin in 2026



## Design

Begin in early 2025

# Mocho Groundwater Demineralization Plant (MGDP) and Mocho Wells



## Recommended Action

- Adopt Resolution to authorize the General Manager to negotiate, execute, and amend, as needed, a professional services agreement with Carollo Engineers, Inc., for engineering services for the MGD and Mocho Wellfield PFAS Compliance Conceptual Design in an amount not-to-exceed \$320,000, which includes a 10% contingency





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**Questions?**