LA DWP Los Angeles Department of Water & Power

THE FUTURE OF WATER IN LA

Project Schedule
Spring 2022 – Summer 2024

Region
Northeast San Fernando Valley

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Mission Wells Chloramination Station

Project Background

The Los Angeles Department of Water and Power (LADWP) is committed to ensuring the highest possible water quality in Los Angeles. To maintain water quality and comply with water quality regulations, LADWP will construct the Mission Wells Chloramination Station (MWCS) to provide chloramine disinfection to the groundwater supply distributed by the Mission Wells Facility. The new station will replace the current chlorine system, and will be constructed within LADWP's existing property, located in the northeast San Fernando Valley at 12331 Havana Avenue, Sylmar, California.

Purpose and Benefits

Construction of the MWCS, with water serving communities in the northeast San Fernando Valley, is the final phase of a comprehensive city-wide program to switch from chlorine to chloramine as the secondary disinfectant for the city's water supply. Conversion to chloramine treatment is being achieved by adding ammonia to chlorine, and it is LADWP's response to comply with the drinking water regulation, known as the US EPA's Stage 2 Disinfectants and Disinfection Byproduct (D/DBP) Rule.

The advantages of expanding chloramine disinfection include:

- Compatibility with purchased water from the Metropolitan Water District, which is also disinfected with chloramine and enters the city at many locations
- Improving system reliability
- Providing water free of a chlorine taste or smell
- Lower disinfectant by-product formation

Project Scope

The MWCS project includes construction of a new Chloramination Station that will house an Ammoniation Station and on-site Hypochlorite Generating Station, improvements to the existing drainage channel, and construction of a new access road within the Mission Wells Facility.

Existing Mission Wells Pump Station

Existing Water Tank (100,000 gallons)

New Mission Wells Chloramination Station

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