



THE FUTURE OF WATER IN LA

Project Schedule

Remedial Design:
Completed April 2018

Remedial Action:
Estimated Completion Spring 2024

Region
East San Fernando Valley

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North Hollywood West Response Action

Project Background

The North Hollywood West (NHW) Response Action Treatment Project is an important part of LADWP's Interim Remedial Action for the NHW Operable Unit, which addresses the release of hazardous substances in the San Fernando Groundwater Basin (Basin).

Remediating the Basin is critical to protecting public health and helping to restore the beneficial uses of the Basin, which in turn will assist LADWP in meeting its target of producing 70 percent of LA's water locally by 2035, a goal of the Mayor's Sustainable City pLAN. The NHW Project is the first of several LADWP Basin remediation projects.

Currently, parts of the Basin are contaminated by industrial pollution. Once operational, the NHW Project will utilize remediation wells to capture a plume of hazardous substances, including 1,4-Dioxane (historically used as a solvent in industrial and laboratory applications, among other things) and other contamination encountered in groundwater in the NHW Well

Field. This groundwater will be treated at a state-of-the-art treatment facility. Once treated, the groundwater pumped from remediation wells will be blended with treated surface water from the LA Aqueduct Filtration Plant and served to our customers.

This project will help to restore the historic and planned use of the groundwater in the Basin, which in turn will reduce LA's reliance on costly imported water. The NHW Project is expected to operate year-round and treat nearly 16,000 acre-feet annually during the first several years of operation. This is equivalent to the volume of water used by 64,000 households in LA.

LADWP will monitor conditions and optimize remedial system operations as needed over time.

Project Status

LADWP has completed Remedial Design in accordance with the selected remedy approved on August 1, 2017. The project has entered into the Remedial Action phase, the construction of the Response Action treatment facility, which is estimated to be complete by spring of 2024.



North Hollywood West Response Action

The Division of Drinking Water (DDW) follows a 10-step evaluation process, conforming to their Process Memo 97-005-R2020, for assessing proposals, establishing appropriate permit conditions, and approving the use of an extremely impaired drinking water source. Steps 1 through 6 are technical evaluations and Steps 7 through 10 present the administrative components of DDW's issuance of a permit that approves the use of treated water in a public water system. One of these administrative steps is holding a public comment period on the 97-005 evaluation.

The North Hollywood West Wellhead Treatment (NHWWT) Facility will draw contaminated groundwater toward designated Remediation Wells where the impacted groundwater will be treated aboveground to permanently remove contaminants. The treatment process includes a pre-filtration system, an advanced oxidation process system consisting of ultraviolet and hydrogen peroxide, and a granular activated carbon system to remove the hydrogen peroxide. As groundwater in the vicinity of the NHW Well Field is impaired by hazardous substances, LADWP is required to demonstrate compliance with DDW Process Memo 97-005-R2020.

A Summary Report of Steps 1-6 of the 97-005 evaluation has been prepared and is available for review as part of the public comment period. Below is a description of the technical evaluation Steps in this technical evaluation:

- ❖ **Step 1: Drinking Water Source Assessment (SA) and Contaminant Assessment (CA):** The Step 1 Report documents the SA, which determines the extent to which the NHW Well Field is vulnerable to contaminating activities, and the CA, which provides a characterization of the contamination of soils and groundwater, and former contamination sites located within the water source for NHW Well Field.
- ❖ **Step 2: Full Characterization of the Raw Water Quality:** The Step 2 Report documents the raw water quality characterization (RWQC) study, which evaluates the NHW Well Field water source and the quality of water that will be delivered to NHWWT Facility, so that the treatment system is properly designed.
- ❖ **Step 3: Drinking Water Source Protection:** The Step 3 Report documents programs in place to control the level of contamination within the NHW Study Area and provides an evaluation of cleanups within the water source.
- ❖ **Step 4: Effective Treatment and Monitoring:** The Step 4 Report documents the evaluation of treated water goals for the proposed treatment system, the treatability assessment and proposed treatment process for contaminants within the water source, the proposed treatment and monitoring program for the remediation facility, and the proposed NHW Well Field Water Quality Surveillance Plan (WQSP) to conduct ongoing and future monitoring of the water source.
- ❖ **Step 5: Human Health Risks Associated with Failure of Proposed Treatment:** The Step 5 Report documents an evaluation of the risks of failure and an assessment of potential health risks associated with failure of the proposed NHWWT Facility treatment system.
- ❖ **Step 6: Completion of the California Environmental Quality Act (CEQA) Review of the Project:** The Step 6 Report documents the CEQA review for the Project.

In accordance with the DDW Process Memo 97-005-R2020, the evaluation process steps were conducted sequentially, with each step relying upon the findings and conclusions of the prior step.

Please visit www.ladwp.com/remediation and click on the North Hollywood West tab to access 97-005 Reports.