



Secondary Effluent Pipeline Rehabilitation Project

Construction Along the Santa Ana River Trail
In Huntington Beach and Fountain Valley

ABOUT GWRS

The Groundwater Replenishment System (GWRS) is a joint project of the Orange County Water District (OCWD) and the Orange County Sanitation District (OCSD). It is the world's largest advanced water purification system for potable reuse, currently producing 100 million gallons of water per day (MGD), which is enough new water for nearly 850,000 residents. Water from the GWRS has enhanced the quality and reliability of OCWD's water supply which provides 77% of the drinking water for more than 2.5 million people in north and central Orange County.

The GWRS takes highly treated wastewater that would have previously been discharged into the Pacific Ocean and purifies it to meet or exceed federal drinking water standards using a three-step advanced treatment process consisting of microfiltration, reverse osmosis, and ultraviolet light with hydrogen peroxide.

THE GWRS FINAL EXPANSION

The GWRS Final Expansion (GWRSFE) project will increase treatment capacity from 100 to 130 MGD; enough water for 1 million people.

In order to produce 130 MGD, additional treated wastewater from OCSD is required. This additional water will come from OCSD's Plant No. 2, located in the city of Huntington Beach approximately 3.5 miles south of the GWRS. Facilities for the Final Expansion are being constructed at the GWRS plant in Fountain Valley, OCSD's Plant No. 2 in Huntington Beach, and a pipeline along the Santa Ana River trail between the two locations. The Final Expansion will be complete in 2023.

ABOUT THE PIPELINE CONSTRUCTION

As part of the GWRSFE, construction of a 3.5 mile pipeline will bring treated wastewater from Huntington Beach to Fountain Valley. Construction of the pipeline, scheduled to begin in late September, involves a process called slip-lining, which installs a new pipeline within an existing pipeline. The pipeline runs adjacent to the Santa Ana River Trail from OCSD's Plant No. 2 in Huntington Beach to the GWRS facility in Fountain Valley. The slip-lining method has less construction impacts than constructing a new pipeline and the location allows construction to stay out of the public right of way.



*Pipeline to be installed adjacent to
3.5 miles of Santa River Trail.*

WHAT TO EXPECT DURING PIPELINE CONSTRUCTION

OCWD's construction management team will closely monitor construction activities to minimize impacts to the community as much as possible. Please expect the following during this project:

- Construction is expected to begin in September 2020 and last approximately nine months
- Construction work hours from 7 a.m. to 5 p.m., Monday – Friday
- Heavy equipment and open pits along the river trail. Pits will be enclosed for safety.
- Increased truck/construction traffic
- Noise, possible dust and vibrations

All construction activities will comply with city of Huntington Beach and Fountain Valley permitting and noise ordinances and OCWD will work closely with city engineers and inspectors during construction.

COMMUNICATING WITH OUR NEIGHBORS

OCWD is committed to keeping our neighbors informed about the project, the activities and the schedule. We will continue to send notifications during construction and will be available to answer questions or address concerns throughout construction.

WHERE TO FIND MORE INFORMATION

For further information, please call the OCWD Construction Hotline at 714-378-8244, email info@ocwd.com or visit www.ocwd.com/news-events/construction-updates

To learn more about the GWRSFE you can watch a recording of a fascinating webinar, "An Insider's Look at Expanding the World's Largest Potable Reuse Facility". To view the webinar go to: www.ocwd.com/gwrs/final-expansion or you can watch on OCWD's YouTube channel at YouTube/ OCWD Water News.

For more information about OCWD please visit www.ocwd.com. For more information about OCSD please visit www.ocsd.com. For more information about GWRS please visit www.ocwd.com/gwrs/.

