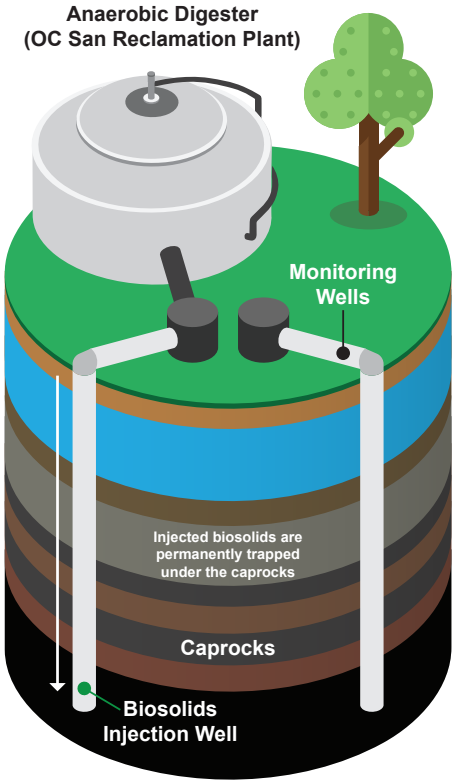
ORANGE COUNTY SANITATION DISTRICT

DEEP WELL INJECTION PROJECT

In an era where environmental concerns are at the forefront of global discussions, finding sustainable solutions for managing biosolids is more critical than ever. The proposed Deep Well Injection (DWI) project presents an innovative approach to managing biosolids, which are the solid organic matter recovered from the sewage treatment process. DWI provides a forever home for these carbon- and nutrient-rich residuals which also contain trace amounts of harmful substances like PFAS (per- and polyfluoroalkyl substances), microplastics, and pharmaceuticals.



OC San is currently conducting a feasibility study to show that Deep Well Injection of biosolids will:

- Inject biosolids, which are the solid organic matter recovered from the sewage treatment process, more than 5,000 feet down into a sand layer below several rock layers.
- Create a natural digester that converts biosolids to methane and carbon dioxide.
- Create a local biosolids management option.
- Be segregated and safe from the aquifer that supplies drinking water.
- Return carbon deep underground, permanently reducing greenhouse gas emissions.
- Follow proven technology: The City of Los Angeles has been doing this exact process for 17 years at its Terminal Island Treatment Plant.
- Ensure that trace contaminants (PFAS/ microplastic/pharmaceuticals) are safely sequestered deep underground, preventing their release into the environment and safeguarding public health for generations to come.
- Reduce/eliminate transport costs, long-haul truck traffic and associated air pollution.
- Reduce treatment costs and user fees.

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