

Trickling Filter Media Replacement at Plant No. 1, Project No. P1-142

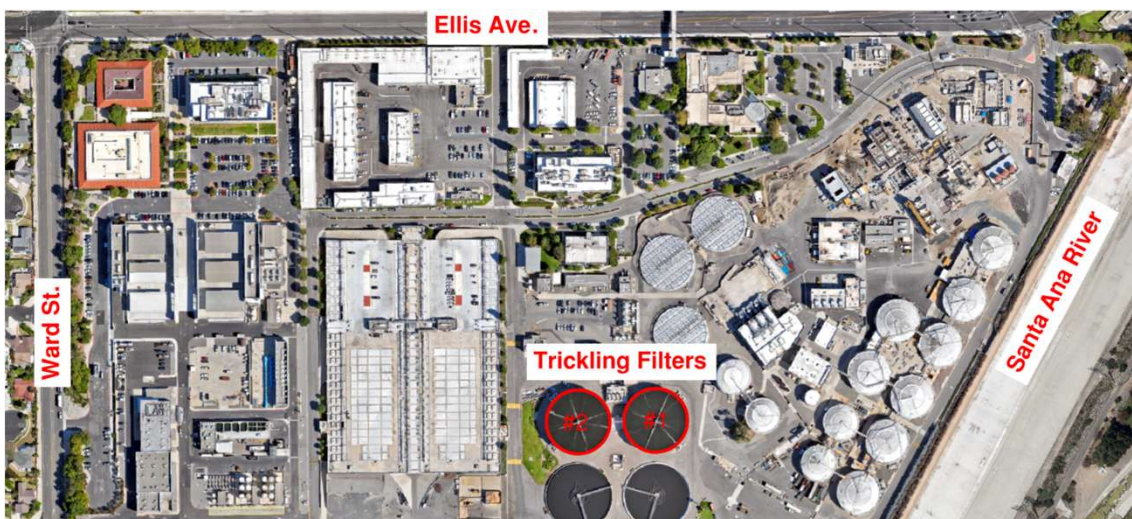
Presented by:
Mike Dorman
Director of Engineering

Steering Committee
October 22, 2025

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ORANGE COUNTY SANITATION DISTRICT

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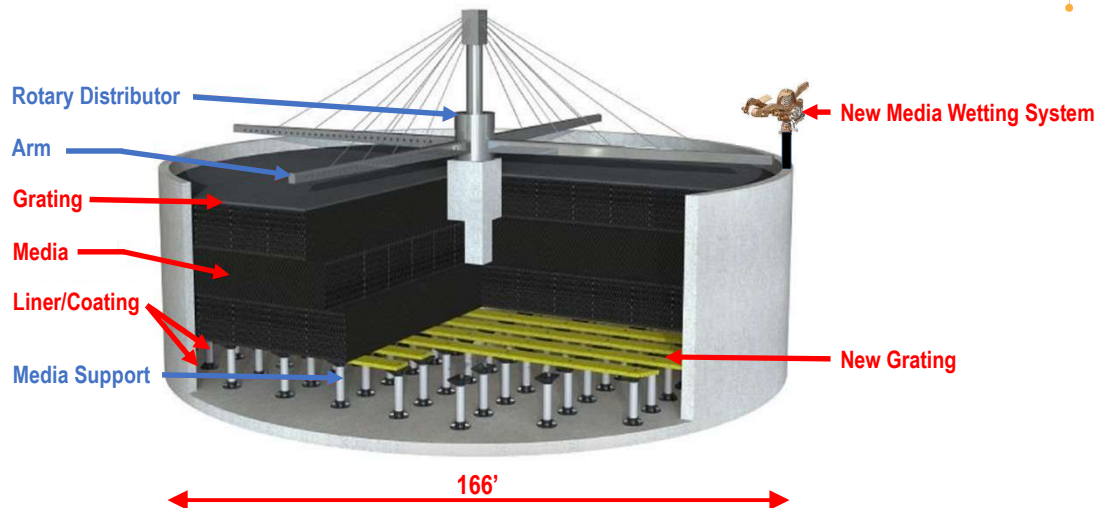
Project Location: Plant No. 1



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Secondary Treatment: Trickling Filters

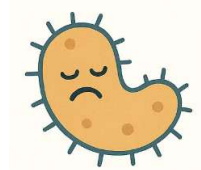


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Reasons for the Project

- ✓ Age and wear
- ✓ Clogging and uneven flow
- ✓ Reduced performance
- ✓ Poor air flow and odor complaints
- ✓ Coating and concrete liner failure



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Media Replacement

- Nearly 10 Olympic swimming pools of media
- New media wetting system

Example of media



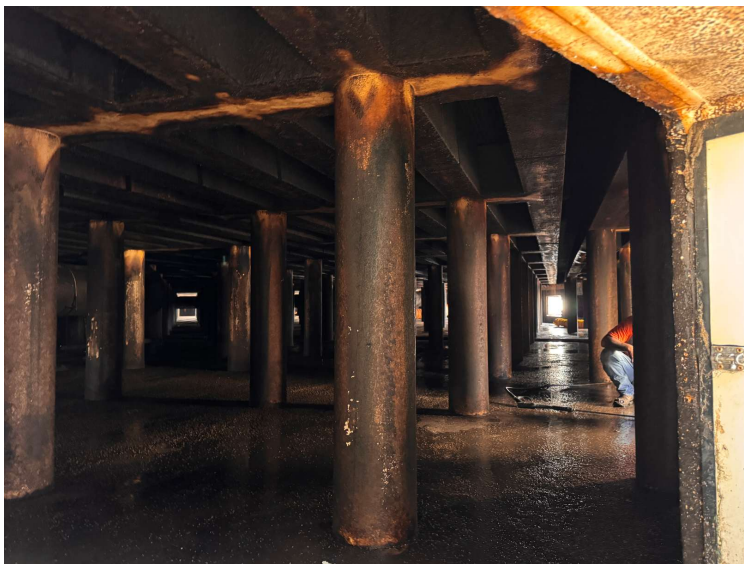
Media Installation at Plant No. 2



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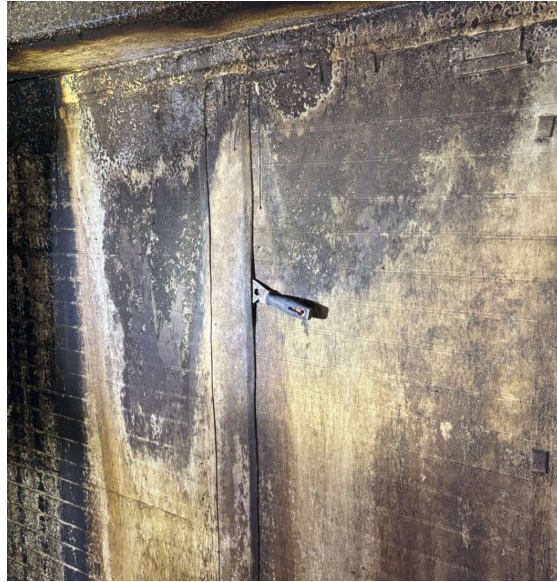
Coating Repair



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Liner Repair



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Bid Results

Engineer's Estimate: \$30,200,000

Bidder	Amount of Bid
Innovative Construction Solutions	\$ 19,972,000
Shimmick Construction Company, Inc.	\$ 20,019,620
* GSE Construction Company, Inc.	\$ 21,565,292
Garney Pacific, Inc.	\$ 22,949,801
Steve P. Rados	\$ 24,840,000
Olsson Construction, Inc.	\$ 27,582,689

* Lowest, responsible, responsive bidder

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Recommendation

Recommend to the Board of Directors to:

- A. Receive and file Bid Tabulation and Recommendation for Trickling Filter Media Replacement at Plant No. 1, Project No. P1-142;
- B. Award a Construction Contract Agreement to GSE Construction Company, Inc. for Trickling Filter Media Replacement at Plant No. 1, Project No. P1-142, for a total amount not to exceed \$21,565,292; and
- C. Approve a contingency of \$2,156,529 (10%).

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Questions?

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