



Orange County
Sanitation District
70th Anniversary

Digesters Rehabilitation at Plant No. 2, Project No. P2-137

Presented by:

Mike Dorman, Director of Engineering

Operations Committee

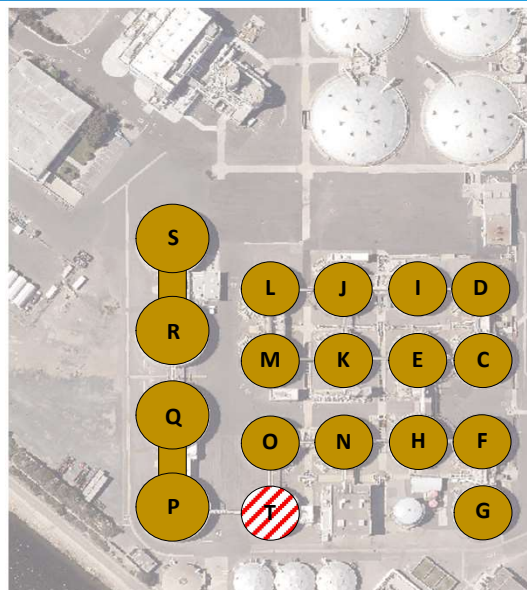
November 6, 2024

Professional Design Services Contingency Increase

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Plant No. 2 Digesters

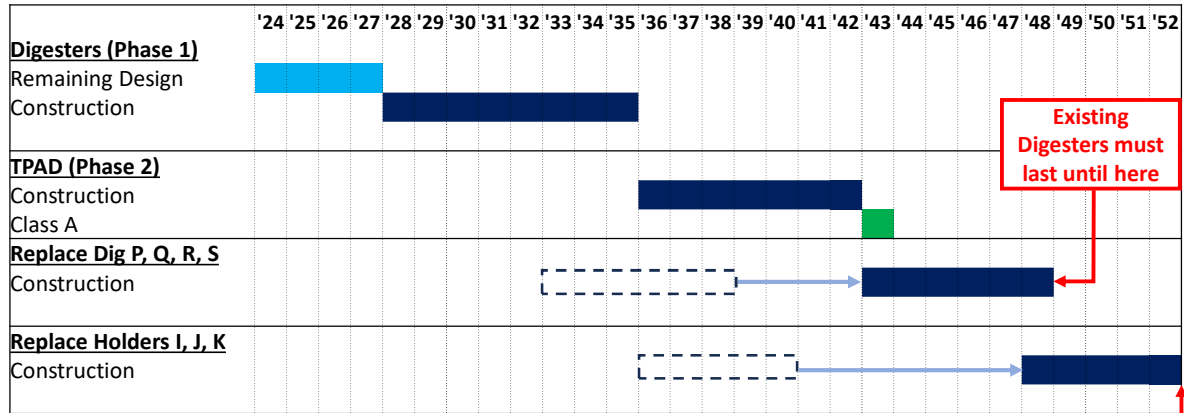
- 18 digesters
- Built from 1959 through 1979
- Converts sludge to biosolids and biogas for reuse
- April 2024 Operations Committee Information Item to postpone replacement of existing digesters
- Rehab to extend useful life until digesters are replaced



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Future Project Phasing



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View Port Issues



- Corrosion
- Leaking/extra O&M labor
- Not functioning
- One instead of three per digester



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Flame Arrestors Access Issue



Add Platform
(4 locations)

Currently requires man-lift to access

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Gas Balance Line Issue



- Severe corrosion
- Requires replacement
- Located between Digesters P, Q, R and S



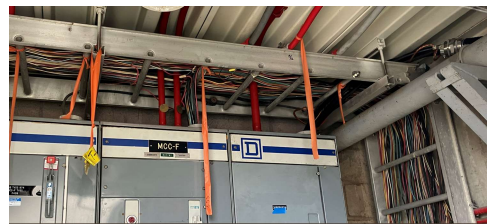
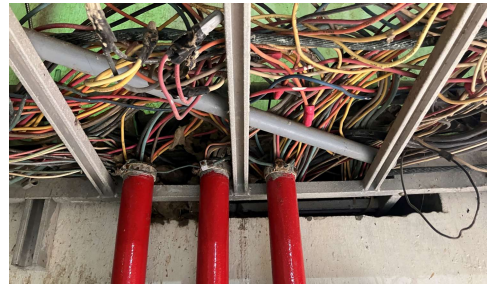
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Cable Tray Improvements



Non-tray rated cables require replacement



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Project Budget Summary



Description	Cost
Additional Design Costs	\$1,200,000
Additional Design Contingency	\$96,000
Total Contingency Increase	\$1,296,000

Description	P2-137	P2-137A	Additional
Design	\$2,970,000		\$1,296,000
Total Design w/ Contingency			\$4,266,000
Construction	\$23,181,024	\$2,597,864	\$6,600,000
Total Construction			\$32,378,888

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Recommendation



Recommend to the Board of Directors to:

Approve a Contingency Increase of \$1,296,000 (48%) to the existing Professional Design Services Contract with CDM Smith, Inc., for the Digesters Rehabilitation at Plant No. 2, Project No. P2-137, for a total contingency of \$1,566,000 (58%).

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Questions?

1954 - 2024

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