

# Primary Clarifiers F and G Rotating Mechanism Rehabilitation at Plant No. 2, Project No. FE23-09, Specification No. S-2024-612BD

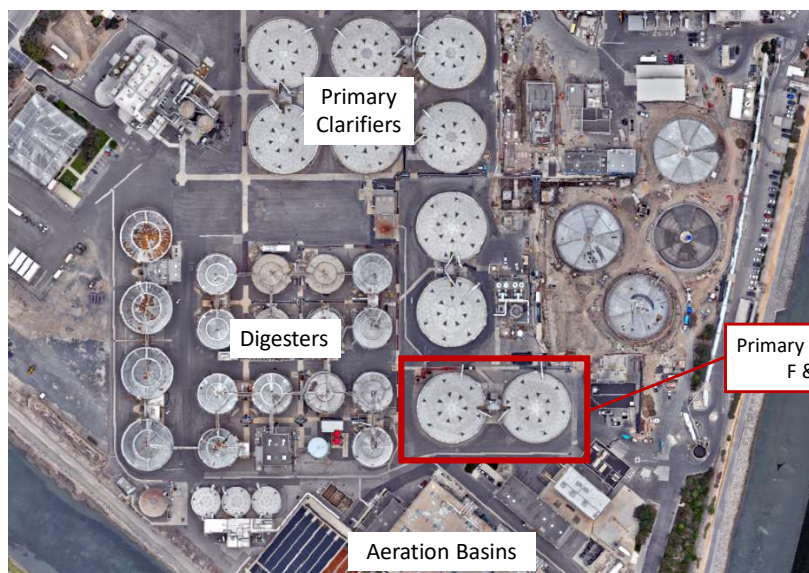
Presented by:  
Brad Moore  
Engineering Supervisor

Operations Committee  
July 2, 2025

**OC SAN**  
ORANGE COUNTY SANITATION DISTRICT

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## Project Site: Plant No. 2



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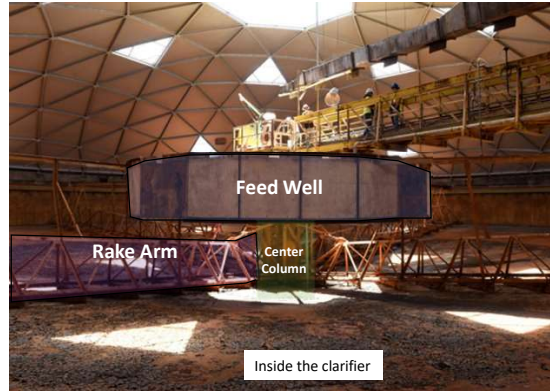
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## Project Scope

- Replace corroded sections of metal within the feed well area
- Apply coating to replaced sections, and sections with coating loss in the feed well area
- Apply coating as needed to the rotating rake arms to increase reliability



Feed well truss before sandblasting



Inside the clarifier

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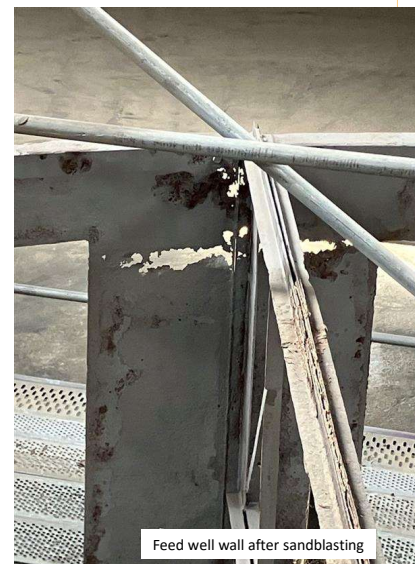
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## Current Condition

- Both Clarifiers F and G are not operational due to corrosion
- P2 does not have a redundancy for the clarifiers at this time
- Contractor sandblasted the corroded steel



Feed well wall after sandblasting



Feed well wall after sandblasting

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## Additional Repairs

More damage to the steel than what was initially anticipated (feed well area, rake arm, center column)



Exterior of center column before sandblasting



Interior of center column after sandblasting



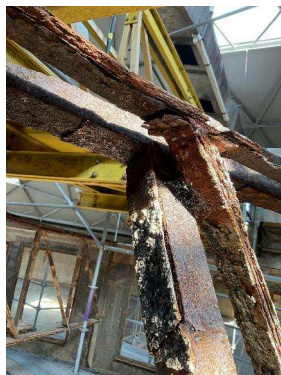
Angle iron attached to rake arm and scum scraper

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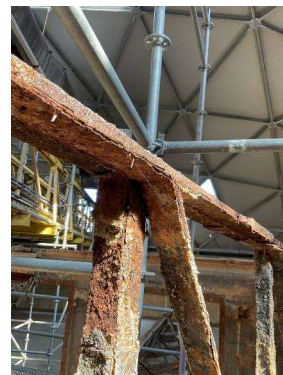
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## Repair Quantities per Clarifier

Description	Contract Qty		After Sandblasting Qty		% increase
Steel	6,500	lbs	9,225	lbs	42%
Metal repair material	400	kilograms	1,178	kilograms	195%
Welding	1,425	inches	8,079	inches	467%



Condition of steel before sandblasting

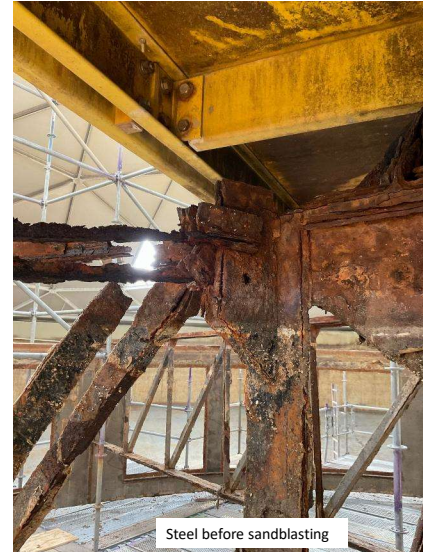


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## Construction Contract Status

Summary	Amount (\$)
<b>Board Approved Contingency</b>	<b>\$472,500</b>
Pending Changes	\$196,400
<b>Remaining Board Approved Contingency</b>	<b>\$276,100</b>
Anticipated Additional Repair Cost	\$740,860
Additional Contingency (for anticipated/unknowns)	\$385,740
<b>Requested Contingency Increase</b>	<b>\$850,500</b>



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## Recommendation

### Recommend to the Board of Directors to:

Approve a contingency increase of \$850,500 (27%) to the existing Services Contract with Vicor Enterprises, Inc., for Primary Clarifiers F and G Rotating Mechanism Rehabilitation at Plant No. 2, Project No. FE23-09, Specification No. S-2024-612BD, for a new total contingency of \$1,323,000 (42%).

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# Questions?

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