

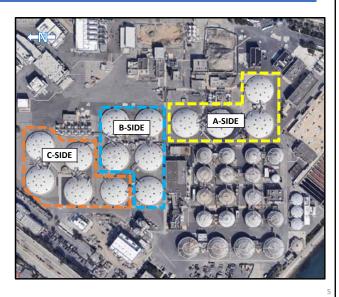


# **Primary Treatment Rehabilitation**

**P2-98A** Replace four A-Side Clarifiers

**P2-98B**: Interim repairs for B- & C-Sides (Construction Complete June 2021)

P2-98C (now P2-133): Major Rehab for B- & C-Sides (Construction Start 2031)



5

### **A-Side Primary Clarifiers Require Replacement**



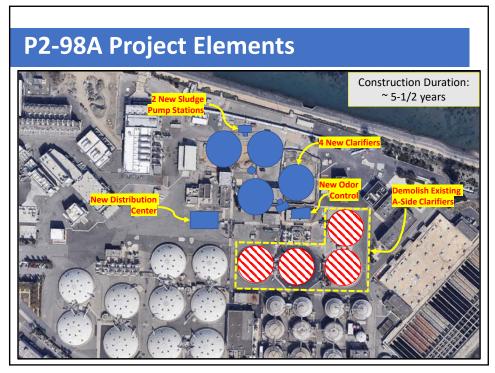


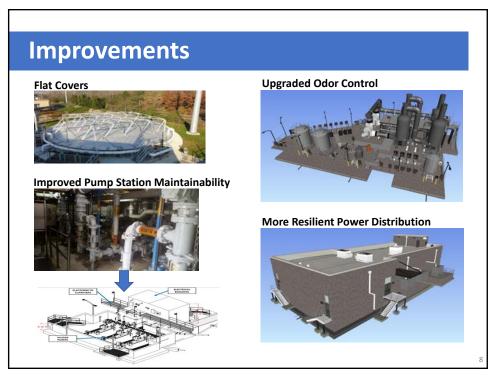
Built between 1960-1963

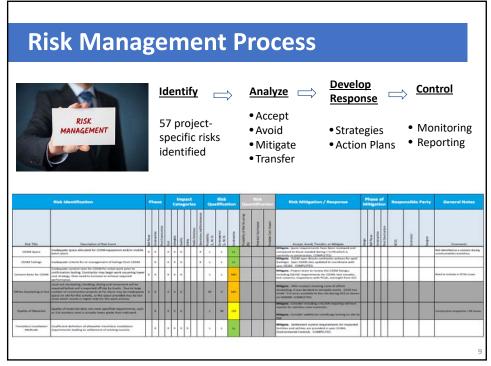












a

## **Construction Dewatering Risk**

- Construction delays
- · Extended overhead costs
- More wells needed, higher costs
- Potential structural damage

#### Design Phase Responses

- Learn lessons from Plant 2 projects
- Performed dewatering study
- Specified stringent dewatering reqmts

#### Construction Phase Responses

- Geotech inspection of dewatering wells
- Weekly review of dewatering performance
- · Review sampling data for biofouling
- · Scope for as-needed support



Installation of dewatering well

10

11

## **Bid Results**

Require 60-day shutdown notices
Dedicated shutdown coordinators:
Engineering, O&M, Contractor

Bidder	Amount of Bid	
Engineer's Estimate	\$129,000,000	
PCL Construction, Inc.	\$111,405,880	*
Kiewit Infrastructure West Co.	\$112,849,000	
J.F. Shea Construction, Inc.	\$119,360,000	

## **Construction Contingency**

Construction Cost	\$111,405,880
Contingency	\$6,684,353
% of Construction Cost	6%

13

13

### **Recommended Action**

Recommend to the Board of Directors to:

- Receive and file Bid Tabulation and Recommendation for A-Side Primary Clarifiers Replacement at Plant No. 2, Contract No. P2-98A;
- Award a Construction Contract to PCL Construction, Inc. for A-Side Primary Clarifiers Replacement at Plant No. 2, Contract No. P2-98A, for a total amount not to exceed \$111,405,880; and
- Approve a contingency of \$6,684,353 (6%).

