

Primary Sedimentation Basins No. 3-5 Replacement at Plant No. 1 Project No. P1-126

Presented by:
Don Cutler
Engineering
Supervisor

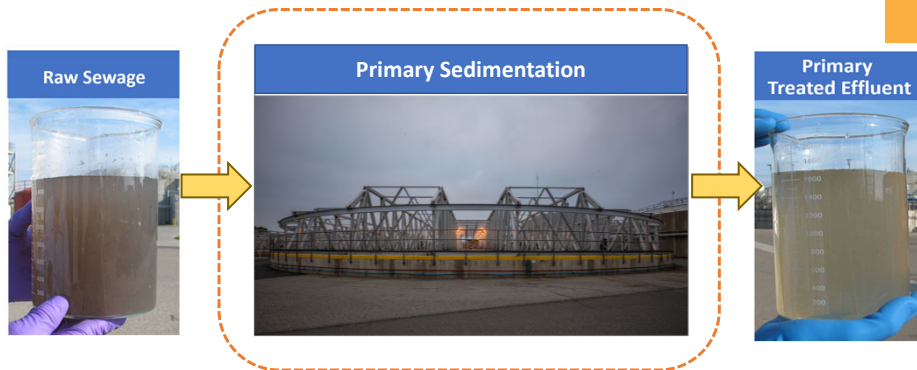
Operations
Committee
April 6, 2022

Consultant Award



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What is Primary Sedimentation?



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Project Overview

Rectangular Basins

Project No. P1-126

Primary Treatment Odor Control

Circular Basins

Boardroom

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What is the Problem?

- Circular basins are in very poor condition
- 60+ years old

4<93

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What is the Problem?

The left photograph shows a worker in a white protective suit and a yellow hard hat inside a dark tunnel. A white pipe is visible in the foreground. Below the photo is the text "Sub du/#110000#G Mhu/rq#Er/#".

The right photograph is a close-up of a pipe structure with a red circle highlighting a specific area. Above the photo is the text "Sub du/#E0vzq#7". A date stamp "APR/30/2019" is visible in the bottom right corner of the photo.

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Proposed Solution

An aerial photograph of a wastewater treatment plant with five numbered callouts:


- 1. Replace Circular Basins
- 2. Replace Odor Control
- 3. Replace/Rehab Pipes and Boxes
- 4. Demolish Clarifiers 1 and 2
- 5. Remove Primary Effluent Pump Station

A yellow box labeled "Secondary Treatment" is also present in the diagram.

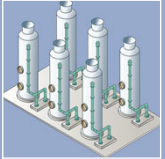
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Construction Cost Increase


- Construction estimate increased
 - \$75M (Original) → \$119M (Updated)




2017
Concept Report
\$67M




2021
Add Odor Control
\$75M



2022
PDSA RFP
Consultants Indicate
Construction
Estimate Low



2022
OC San Reviews and
Validates New
Estimate
\$119M



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Proposed Budget


Current Budget	\$127 Million
Proposed Budget*	\$183 Million
Construction	\$119 Million
Non-construction cost	\$ 64 Million

* To be requested as part of the FY 22-23 and 23-24 Budget

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Selection Process

- Three proposals received
- Interviews conducted with top two firms
- Black & Veatch selected



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Negotiations

	Original Proposal	Negotiated
Total Hours	69,996	70,451
Total Fee	\$15,404,103	\$14,163,000

- Project management hours adjusted to allocate less to senior level staff
- Meeting and workshop assumptions coordinated to reduce overall effort
- Various minor additions to scope

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Recommendation

Recommend to the Board of Directors to:

- A. Approve a Professional Design Services Agreement with Black & Veatch to provide engineering services for Primary Sedimentation Basins No. 3-5 Replacement at Plant No. 1, Project No. P1-126, for an amount not to exceed \$14,163,000; and
- B. Approve a contingency of \$1,416,300 (10%).

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Questions



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