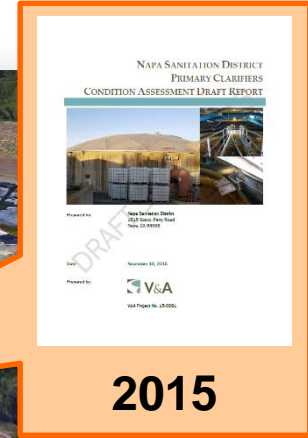
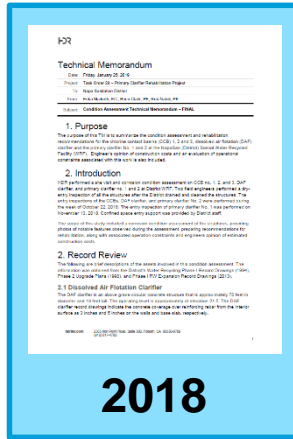


Primary Clarifier and DAF Clarifier Rehabilitation Project (CIP 16712)



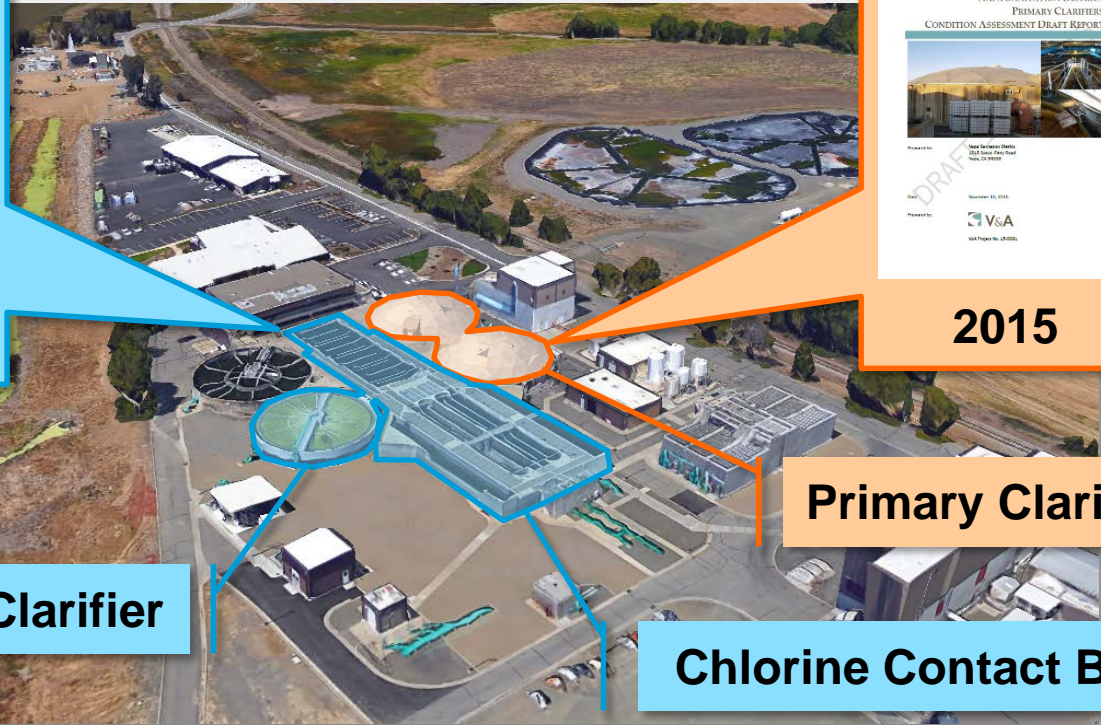
Background



DAF Clarifier

Primary Clarifiers

Chlorine Contact Basins



Condition Assessment Findings

Primary Clarifiers



Concrete coating



Mechanical components

Condition Assessment Findings

DAF Clarifier



Mechanical components

Condition Assessment Findings

Chlorine Contact Basins



Concrete coating



Equipment



Rehabilitation Priorities

1. Primary Clarifiers

- Risks of structural damage to steel mechanical components
- Corrosive environment

2. DAF Clarifier

- Risk of deterioration of steel mechanical components – increased cost of repair

3. Chlorine Contact Basins

- No immediate action required, rehabilitate within 5 years



Project Overview

General Project Scope:

- Primary Clarifiers
 - Repair and replace deteriorated mechanical components
 - Remove and replace protective coatings on mechanical components and concrete structure
- DAF Clarifier
 - Remove and replace protective coatings on mechanical components



Anticipated Schedule

Phase	Date
Design	February – July 2019
Bidding	August 2019
Construction	Summer 2020



Recommendation

Authorize the Purchasing Agent to execute Task Order 30 with HDR Engineering, Inc. to provide engineering design services for the Primary Clarifier and DAF Clarifier Rehabilitation Project (CIP 16712) in the amount of \$173,351.