



Chemical Containment Upgrades at the Mills Plant

Engineering & Operations Committee

Item 7-5

October 10, 2016

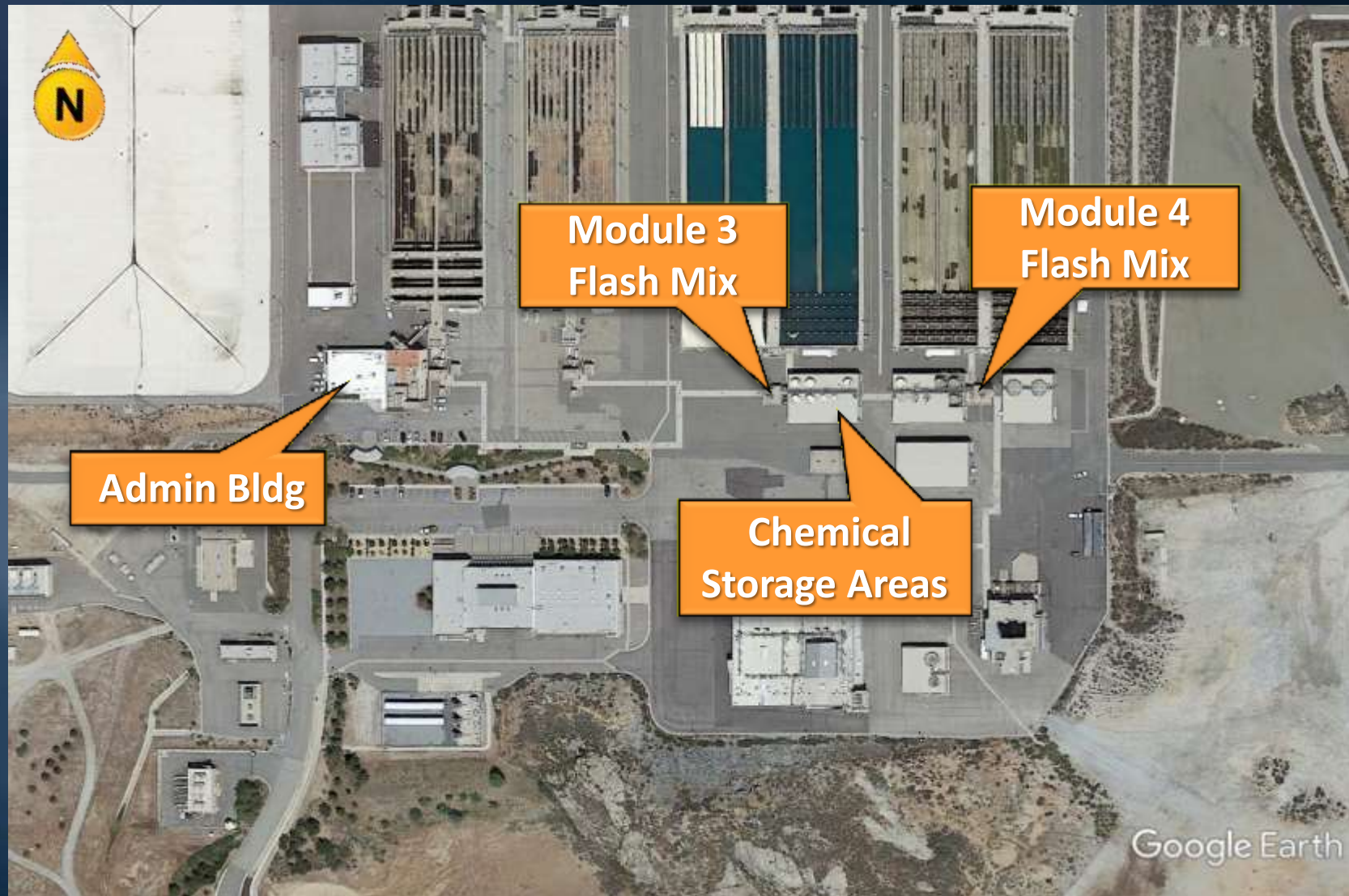
Current Action

- Adopt CEQA determination
- Appropriate \$180,000
- Authorize design to upgrade chemical containment at the Mills plant

Distribution System

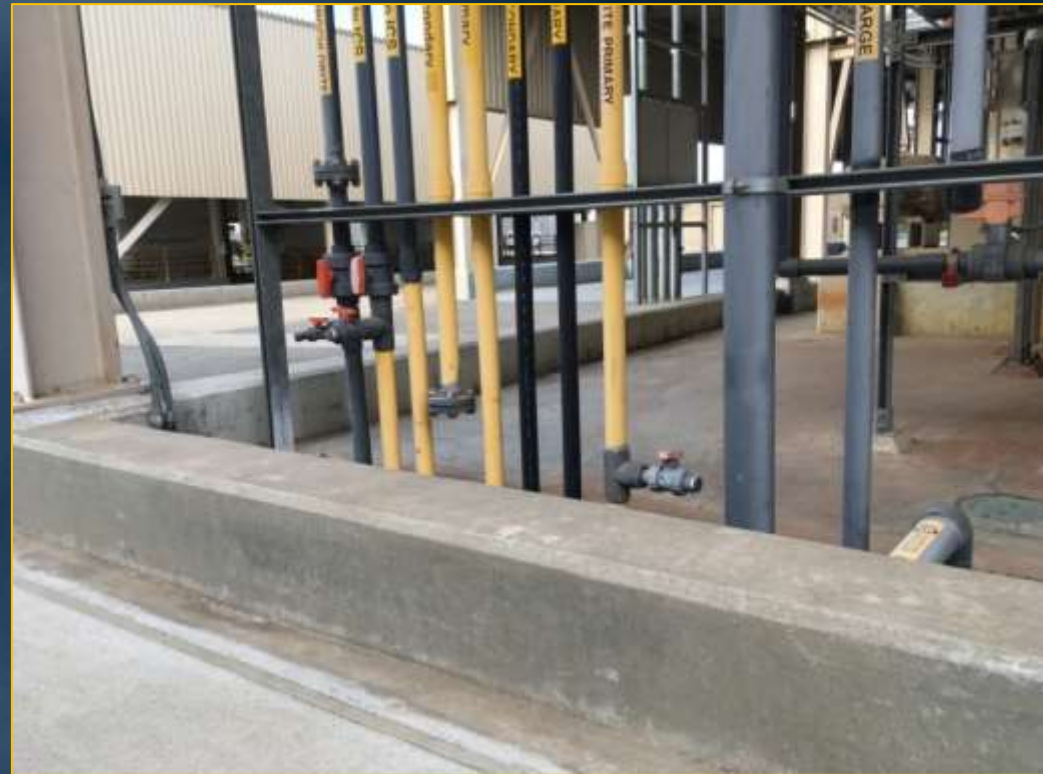


Project Location



Background

- Coagulant & polymer added at flash mix areas
- Sodium hypochlorite provides back-up disinfection
- Below & above-ground PVC piping & concrete curb designed for minor leaks – met standards when built
- PVC piping has deteriorated
- Piping & containment need to be replaced & brought to current standards



Planned Upgrades

- Replace piping & add double-wall containment
- Install leak detection
- Replace instrumentation
- Relocate electrical panels to perimeter of containment area
- Upgrades are consistent w/ other plants & meet current regulations



Scope of Work

- Conduct field surveys
- Prepare drawings & specs
- Prepare procurement docs
- Conduct Process Safety Review
- Develop const. cost estimate



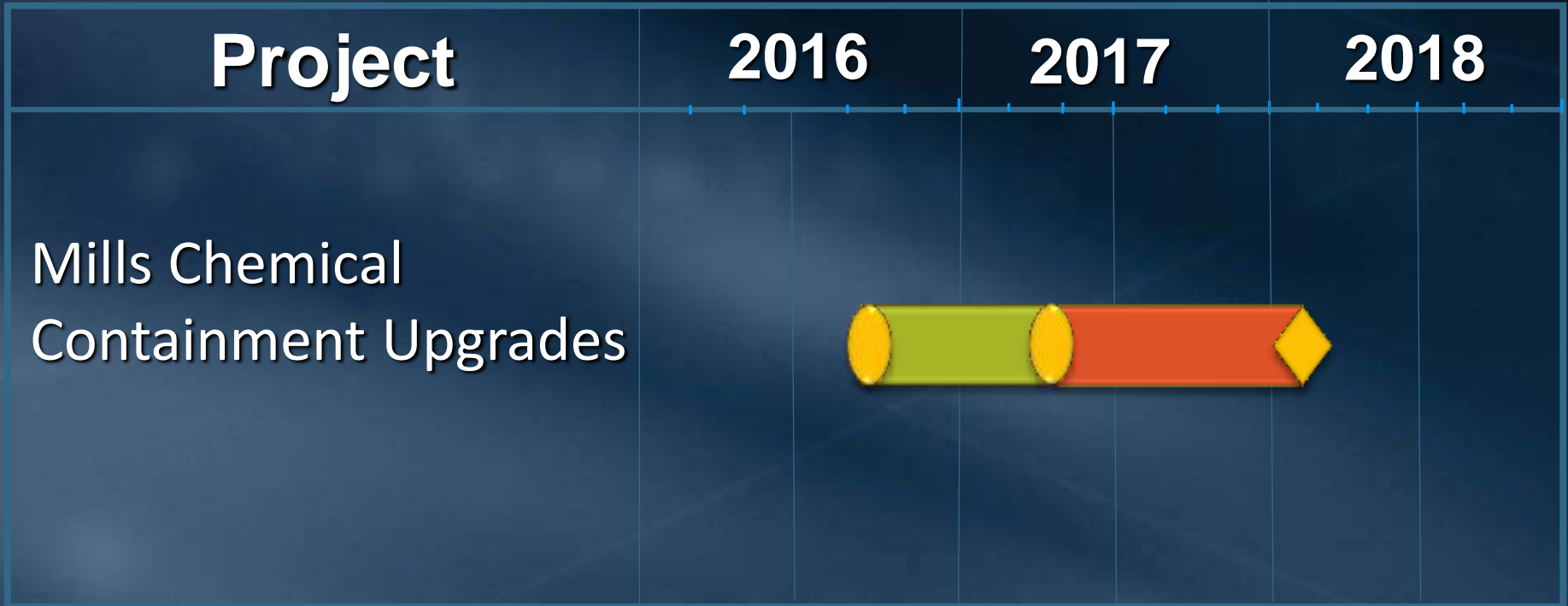
Requested Funds

Design	\$107,000
Process Safety Reviews, PM	45,000
Remaining Budget	28,000

Total \$180,000

Est. const. cost - \$ 800K to \$ 900K

Schedule



 Final Design

 Construction

 Board Action

 Completion

Board Options

- Option #1
 - Adopt CEQA determination that the proposed action is categorically exempt
 - Appropriate \$180,000
 - Authorize design to upgrade chemical containment at the Mills plant
- Option #2
 - Do not proceed with this project at this time

Staff Recommendation

- Option #1

