



Peirce Island WWTF Upgrade Construction

Public Information Meeting

July 15, 2020

Topics of Discussion

- Introductions
- Work Completed Since Last Meeting
- Work to be Completed in Coming Month
- Work Anticipated in Next 6 Months
- Project Construction Costs
- Consent Decree Schedule
- Events & Recreation
- Public Input/Comments/Concerns
- Next Meeting



Introductions

- City Staff:
 - Terry Desmarais, City Engineer, 603-766-1421
tldesmarais@cityofportsmouth.com
- Website:
<https://www.cityofportsmouth.com/publicworks/wastewater/peirce-island-wastewater-facility/peirce-island-wastewater-facility-upgrade-project>
 - News and Updates
 - Recreational Info
 - Project Info
 - Report Form
 - Etc.





Piscataqua River

Areas of Ongoing Construction July 2020

Operations/ Lab Building

Chlorine Contact Tanks

Permanent Fence

Ops. Bldg

Chlorine Contact Tank

Gen

Elec

Chem.

Site Work

Biological Aerated Filter (BAF)

Grit Building

Primary Clarifier No. 2

Solids Processing Building

BAF Building

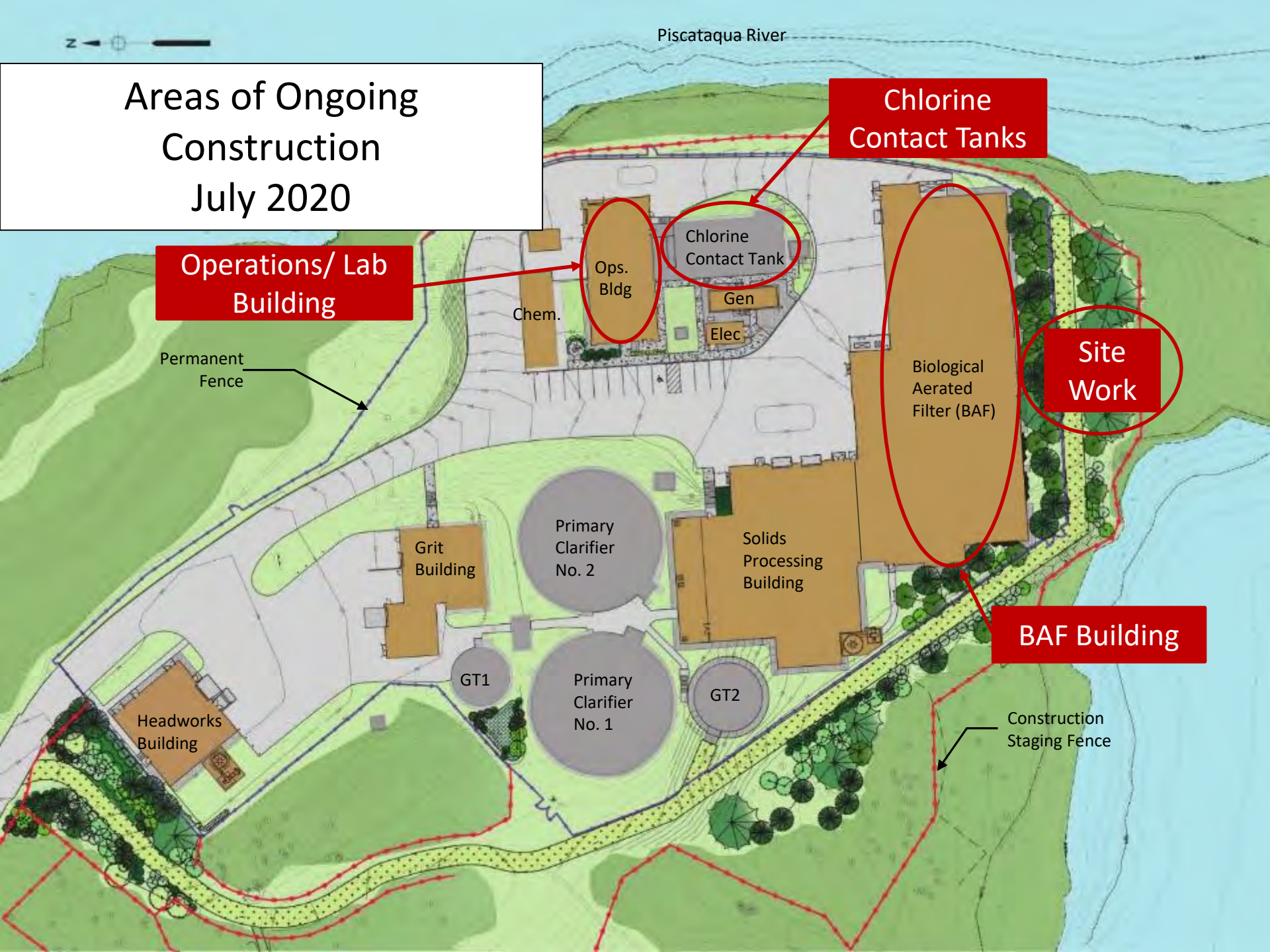
GT1

Primary Clarifier No. 1

GT2

Headworks Building

Construction Staging Fence



Site Overview November 2016



Work Completed Since Last Meeting



Work Completed Since Last Meeting



Site Work



Work Completed Since Last Meeting



Site Work



Work Completed Since Last Meeting



Site Work



Work Completed Since Last Meeting



Site Work



Work Completed Since Last Meeting



Site Work



Work Completed Since Last Meeting



Ops/Lab Building



Work Completed Since Last Meeting



Ops/Lab Building



Work Completed Since Last Meeting



Ops/Lab Building



Work Completed Since Last Meeting



Ops/Lab Building



Work Completed Since Last Meeting



Ops/Lab Building



Work Completed Since Last Meeting



Ops/Lab Building



Work to be Completed in Coming Month

- Continue minor finish work at the Headworks Building, Grit Building, Solids Building, and BAF Building
- Continue optimization of the BAF Building process
- Continue minor interior touch up painting in the BAF, Solids and Grit Buildings
- Continue integration of the BAF control system with the plant's SCADA system
- Begin installation of exterior windows, doors and drywall at the new Operations/Lab Building
- Continue mechanical process work at the new Operations/Lab Building



Work to be Completed in Coming Month

- Continue HVAC, electrical, plumbing, and fire protection rough in work at the new Operations /Lab Building
- Continue installation of chain link fence and gates
- Continue installation of granite curb, sidewalks and pavement



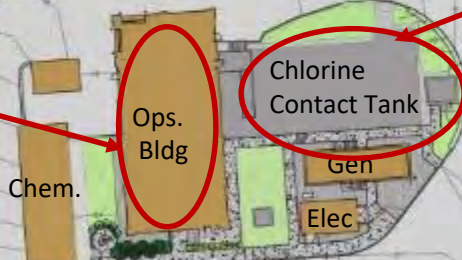


Piscataqua River

Anticipated Construction
July – January 2021

Chlorine
Contact Tanks

Operations/Lab
Building



Site
Work

Permanent
Fence

Biological
Aerated
Filter (BAF)

BAF Building

Grit
Building

Primary
Clarifier
No. 2

Solids
Processing
Building

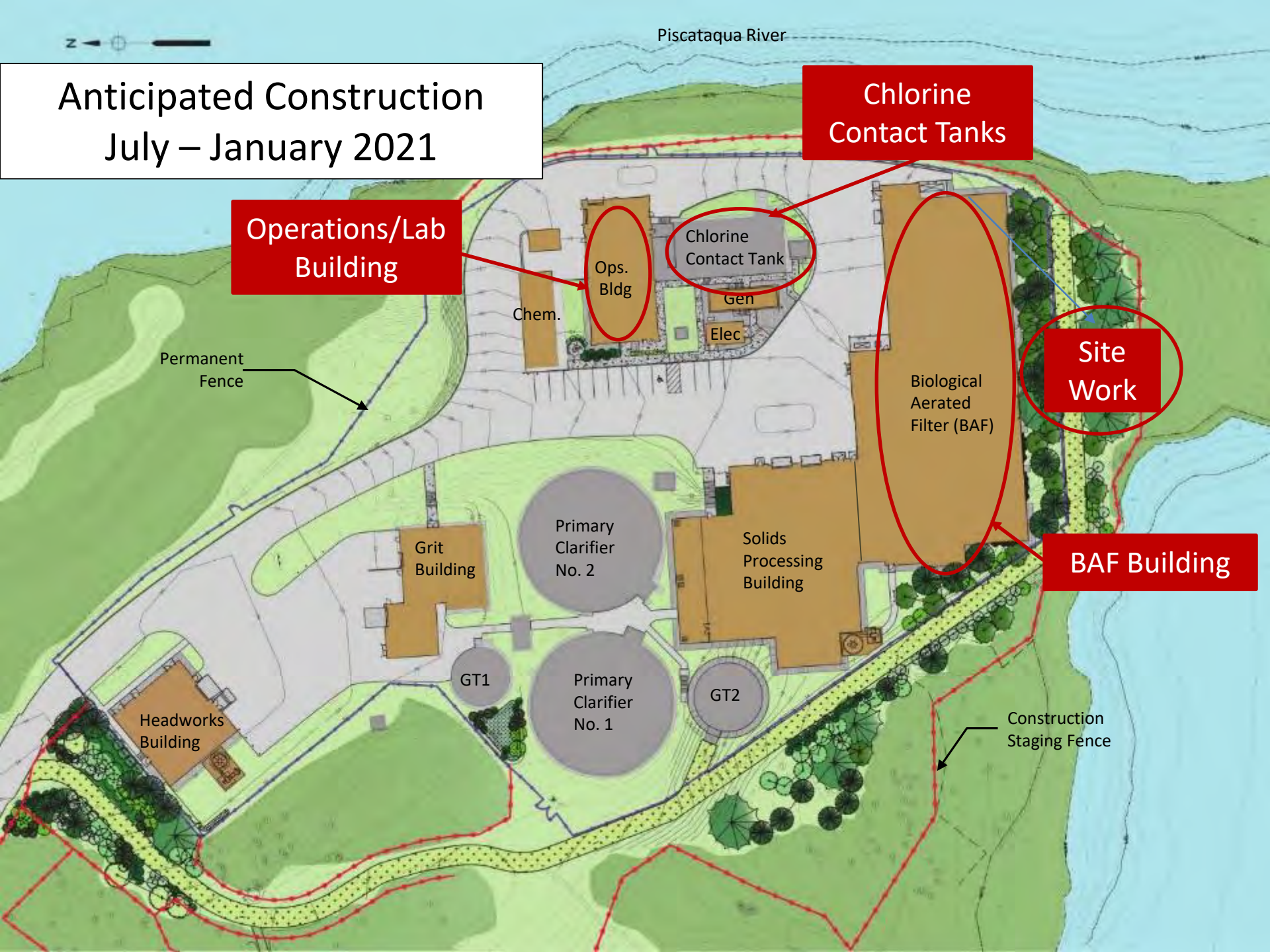
GT1

Primary
Clarifier
No. 1

GT2

Headworks
Building

Construction
Staging
Fence



Project Construction Costs

- Original Contract: \$72.786 million
- Change Order No. 1: \$0.367 million
- Change Order No. 2: \$0.547 million
- Change Order No. 3: \$0.093 million
- Change Order No. 4: \$0.163 million
- Change Order No. 5: \$0.250 million
- Change Order No. 6: \$0.292 million
- Change Order No. 7: \$0.169 million
- Change Order No. 8: \$0.113 million
- Change Order No. 9: \$0.242 million
- Total Contract: \$75.022 million



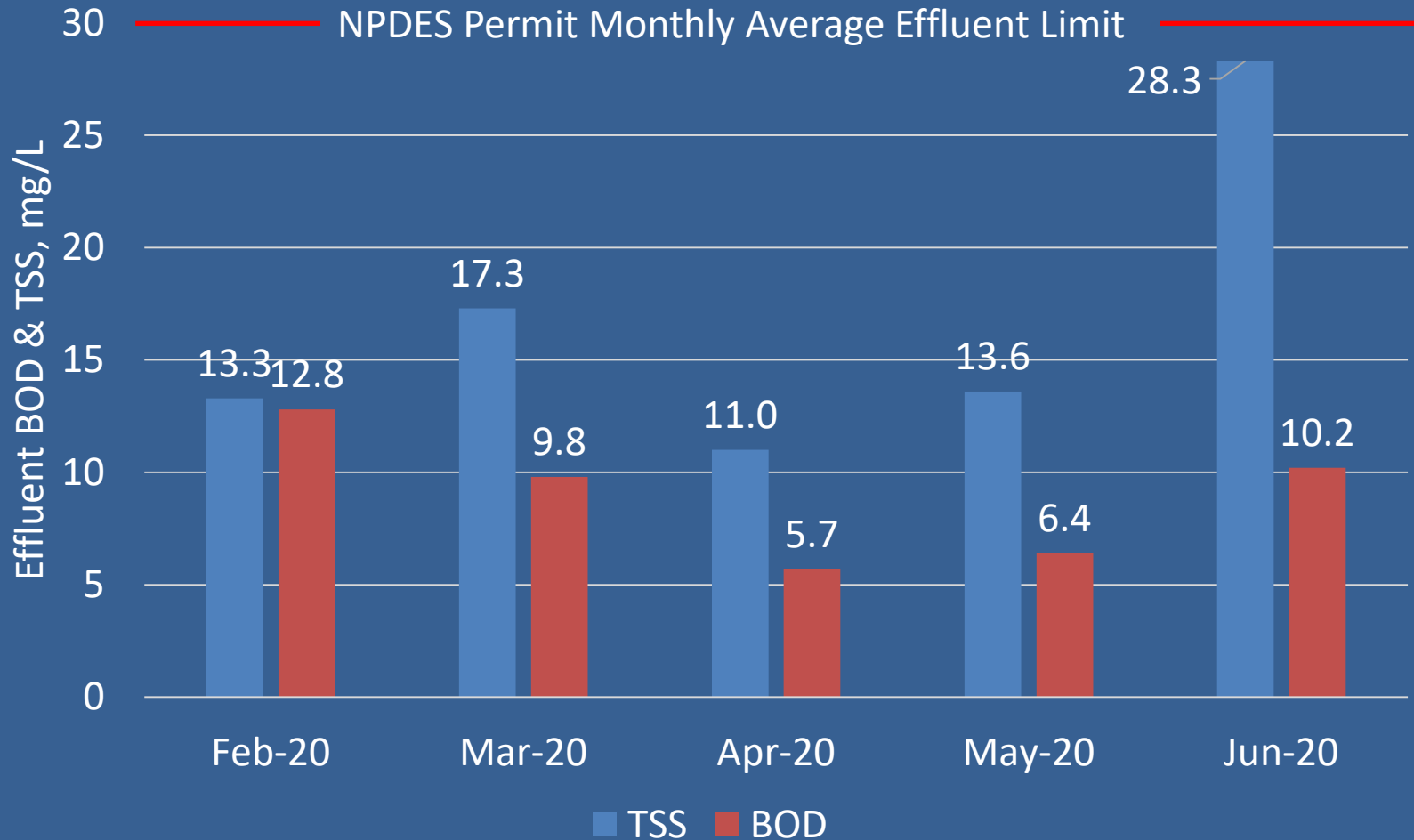
Consent Decree Schedule

Milestone	Date	Status
Execute Contract to Construct Upgrades	September 1, 2016	Complete
Submit Two Additional Milestones for EPA Review and Approval	December 1, 2016	Complete
Additional Milestone 1: Transfer of the existing SCADA system to the new Headworks Building	November 21, 2017	Complete
Additional Milestone 2: Startup and testing of the Secondary Influent Pump Station in the new Solids Building	May 9, 2019	Complete
BAF Substantial Completion	December 1, 2019 December 31, 2019	Complete
Achieve Compliance with NPDES Permit Limits	April 1, 2020	Complete
Achieve Compliance with Consent Decree Total Nitrogen Limits*	June 1, 2020	Complete

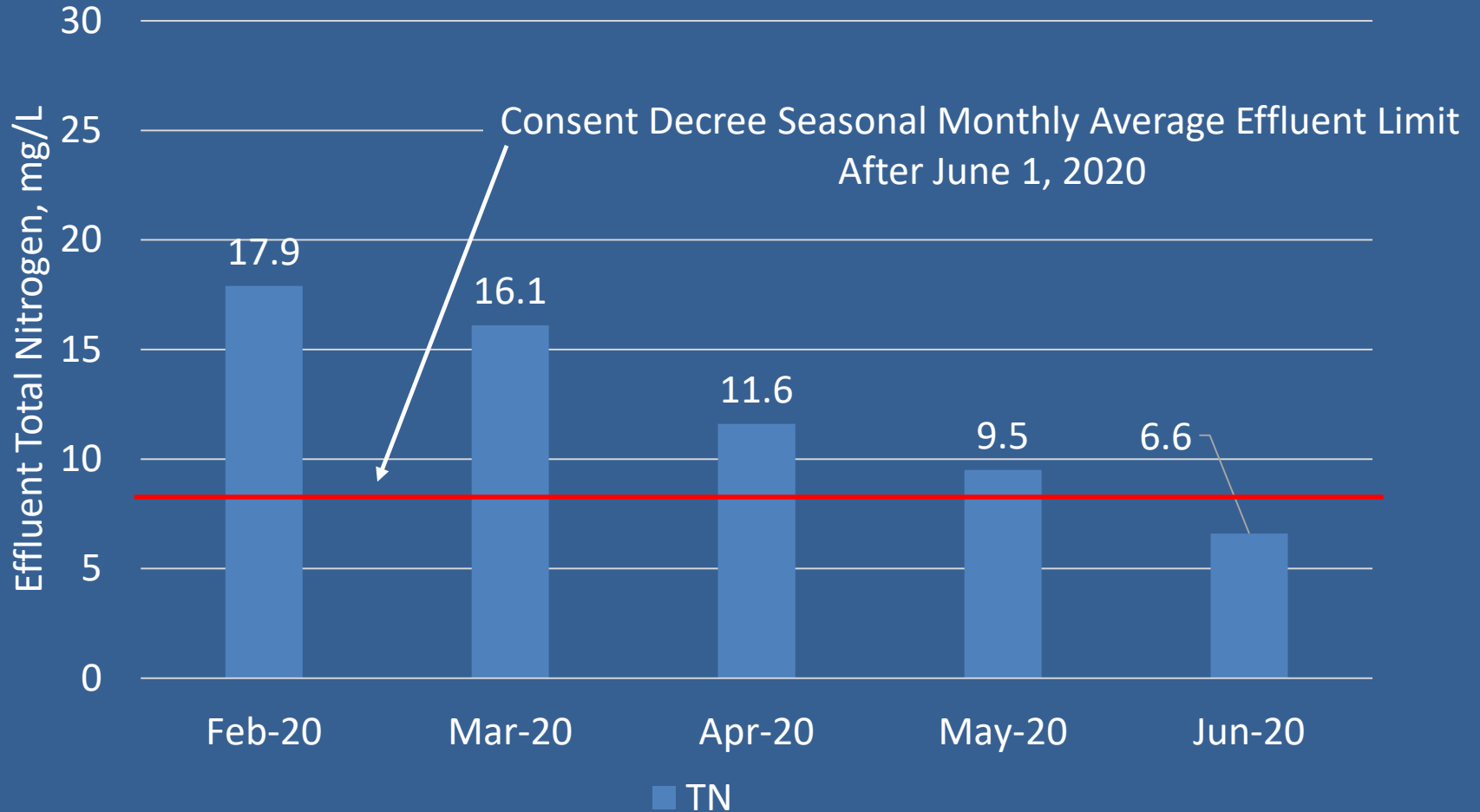
*Seasonal Limit May through October



Effluent Results



Effluent Results



Events and Recreation

- Upcoming
 - None scheduled at this time





Public Input / Comments / Concerns

Next Meeting

- Public Construction Meeting
 - Next Meeting: August 19, 2020, 11:00 AM

