



Peirce Island WWTF Upgrade Construction  
Public Information Meeting  
September 16, 2020

# Topics of Discussion

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- 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:

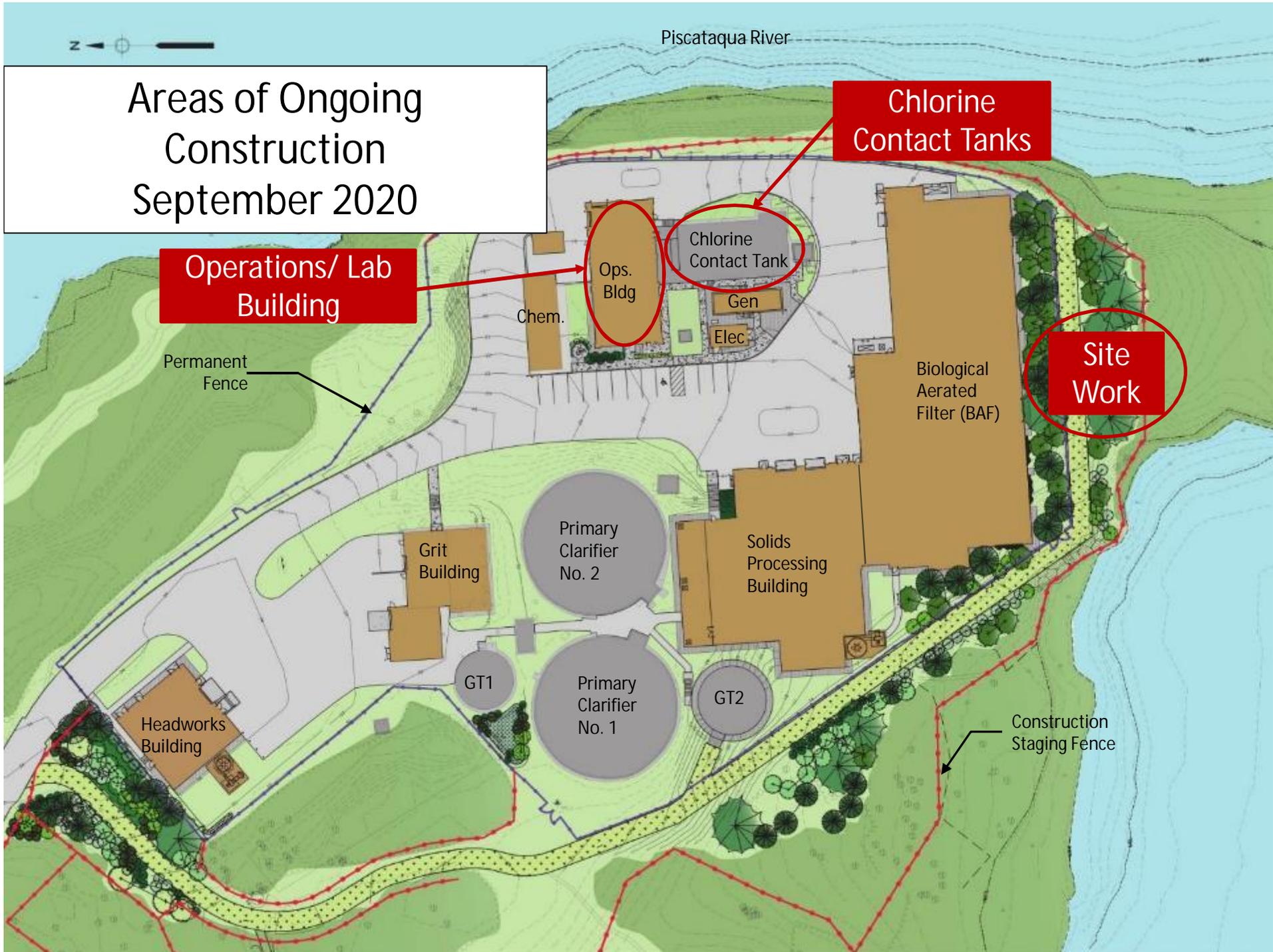
- Terry Desmarais, City Engineer, 603-766-1421  
tldesmarais@cityofportsmouth.com

- 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.





# Site Overview November 2016



September 16, 2020



Peirce Island WWTF Upgrade Construction

# Work Completed Since Last Meeting



Chlorine  
Contact Tanks

Site Work

Operations/Lab  
Building

September 16, 2020



Peirce Island WWTF Upgrade Construction

# Work Completed Since Last Meeting



Site Work



# Work Completed Since Last Meeting



Site Work

September 16, 2020



Peirce Island WWTF Upgrade Construction

# Work Completed Since Last Meeting



Ops/Lab Building

September 16, 2020



Peirce Island WWTF Upgrade Construction

# Work Completed Since Last Meeting



Ops/Lab Building



# Work Completed Since Last Meeting



Ops/Lab Building



# Work Completed Since Last Meeting



Ops/Lab Building

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Peirce Island WWTF Upgrade Construction

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# Work Completed Since Last Meeting



Ops/Lab Building



# Work Completed Since Last Meeting



Ops/Lab Building

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# Work Completed Since Last Meeting



Ops/Lab Building

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# Work Completed Since Last Meeting



Ops/Lab Building

September 16, 2020



Peirce Island WWTF Upgrade Construction

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# 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 integration of the BAF control system with the plant's SCADA system
- Continue installation of the new Operations/Lab Building upper level metal wall façade and metal roof coping
- Continue installation of tile and rooftop equipment at the new Operations/Lab Building

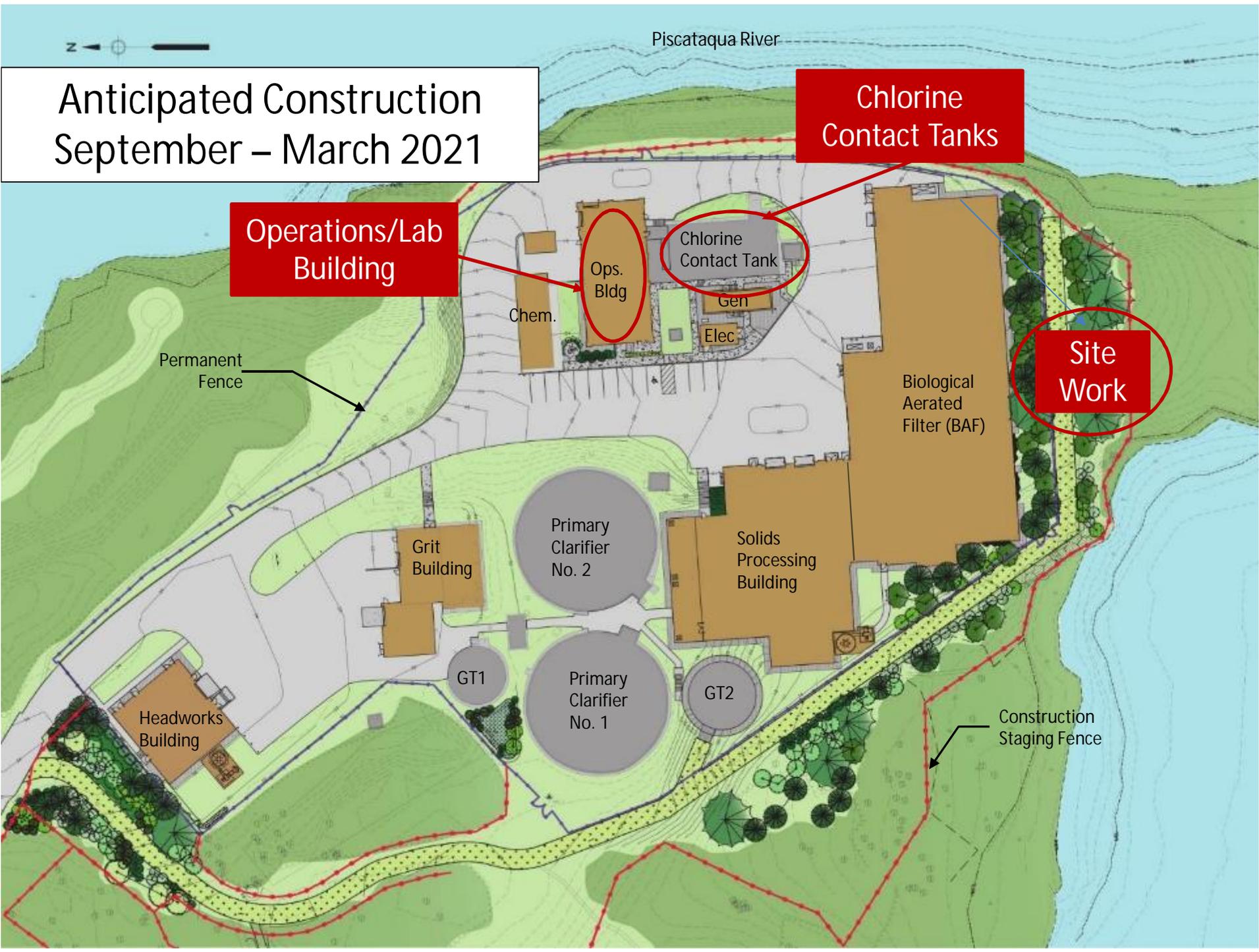


# Work to be Completed in Coming Month

- Begin installation of lockers, interior doors, and acoustic ceiling tiles at the Operations/Lab Building
- Begin plumbing finish work in the upper level of the Operations/Lab Building
- Continue mechanical process work at the new Operations/Lab Building
- 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 site restoration, plantings and seeding



Anticipated Construction  
September – March 2021



Operations/Lab  
Building

Chlorine  
Contact Tanks

Site  
Work

Permanent  
Fence

Construction  
Staging Fence

Chem.

Ops.  
Bldg

Chlorine  
Contact Tank

Gen

Elec

Biological  
Aerated  
Filter (BAF)

Grit  
Building

Primary  
Clarifier  
No. 2

Solids  
Processing  
Building

GT1

Primary  
Clarifier  
No. 1

GT2

Headworks  
Building

# 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
- Change Order No. 10: \$0.123 million
- Total Contract: \$75.145 million



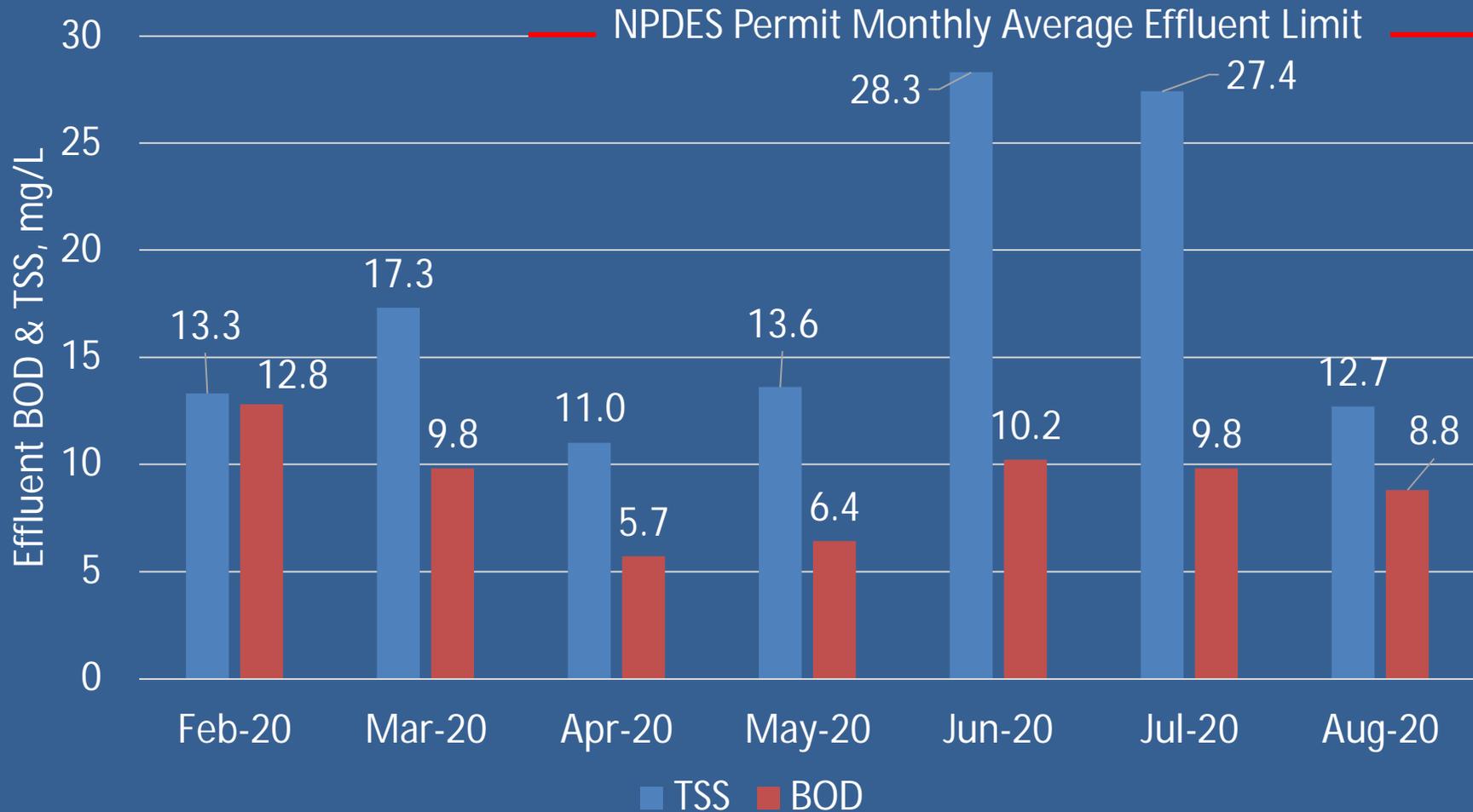
# Consent Decree Schedule

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	<del>December 1, 2019</del> 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

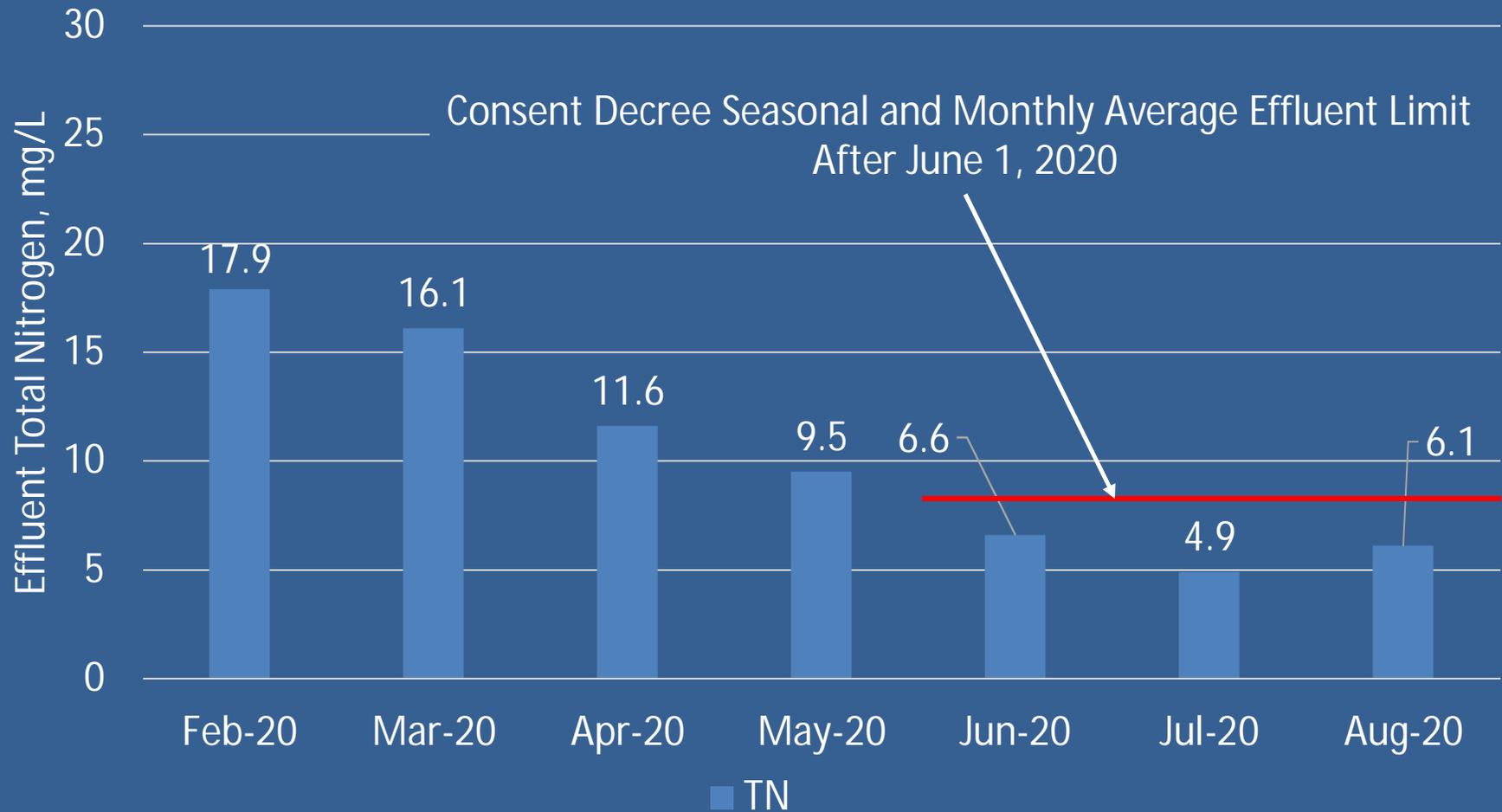
\*Seasonal Limit May through October



# Effluent Results



# Effluent Results



# Events and Recreation

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- Upcoming
  - No events scheduled.





Public Input / Comments / Concerns

# Next Meeting

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- Public Construction Meeting
  - Next Meeting: October 21, 2020, 11:00 AM

