

**Due to the Coronavirus (COVID-19) State of Emergency, the April 15, 2020 Public Information Meeting was previously recorded and posted online. Questions on this presentation will be received by email to Terry Desmarais, City Engineer at [tldesmarais@cityofportsmouth.com](mailto:tldesmarais@cityofportsmouth.com) until April 17, 2020. Answers will be posted on the City's website at <https://www.cityofportsmouth.com/publicworks/wastewater/public-meetings>**



# Peirce Island WWTF Upgrade Construction

## Public Information Meeting

### April 15, 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

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- 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 April 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

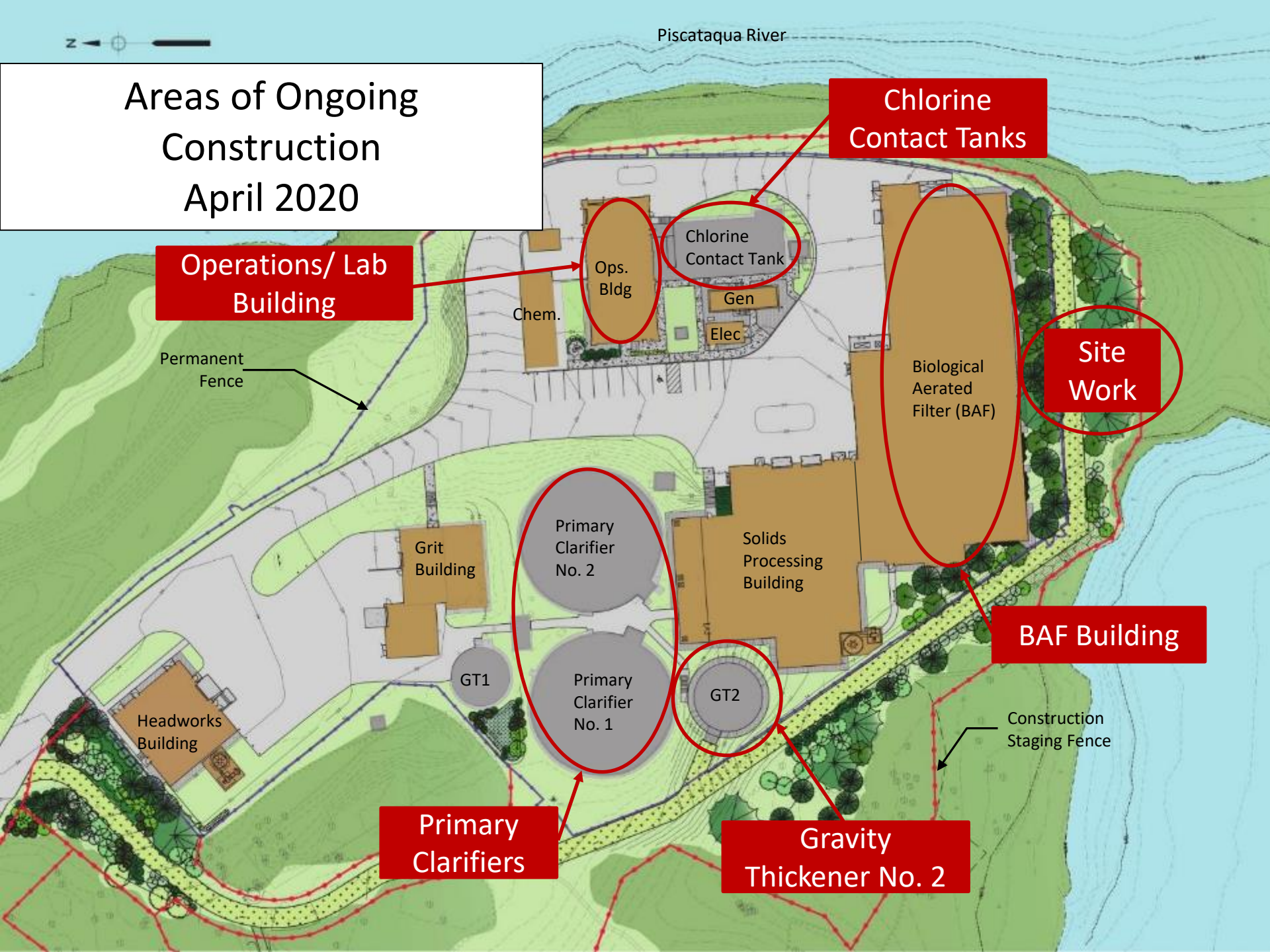
GT2

Construction Staging Fence

Headworks Building

Primary Clarifiers

Gravity Thickener No. 2



# 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



**Primary Clarifier**



# Work Completed Since Last Meeting



# 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



**Gravity Thickener No. 2**



# Work to be Completed in Coming Month

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- Continue minor finish work at the Headworks Building, Grit Building, Solids Building, and BAF Building
- Continue startup 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
- Complete installation, check out, and startup of Gravity Thickener No. 2 mechanism and scum pumps
- Continue structural and architectural modifications to the new Operations/Lab Building
- Begin mechanical process work at the new Operations/Lab Building
- Prepare site for planting and begin installation of landscaping





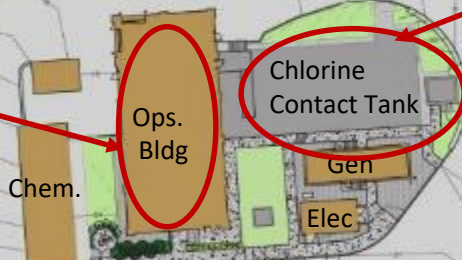


Piscataqua River

Anticipated Construction  
April – October 2020

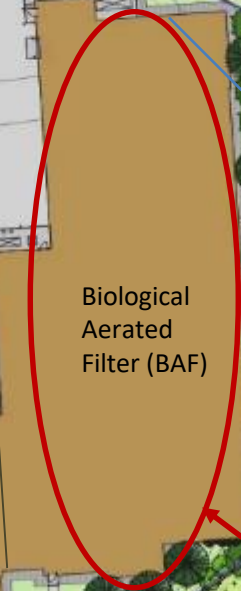
Chlorine Contact Tanks

Operations/Lab Building



Site Work

Permanent Fence

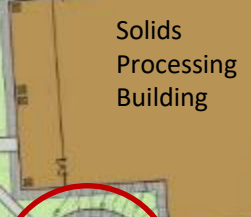
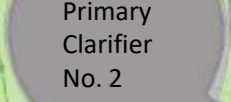


BAF Building



Gravity Thickener No. 2

Construction Staging Fence



# Project Construction Costs

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- 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
- Total Contract: \$74.780 million





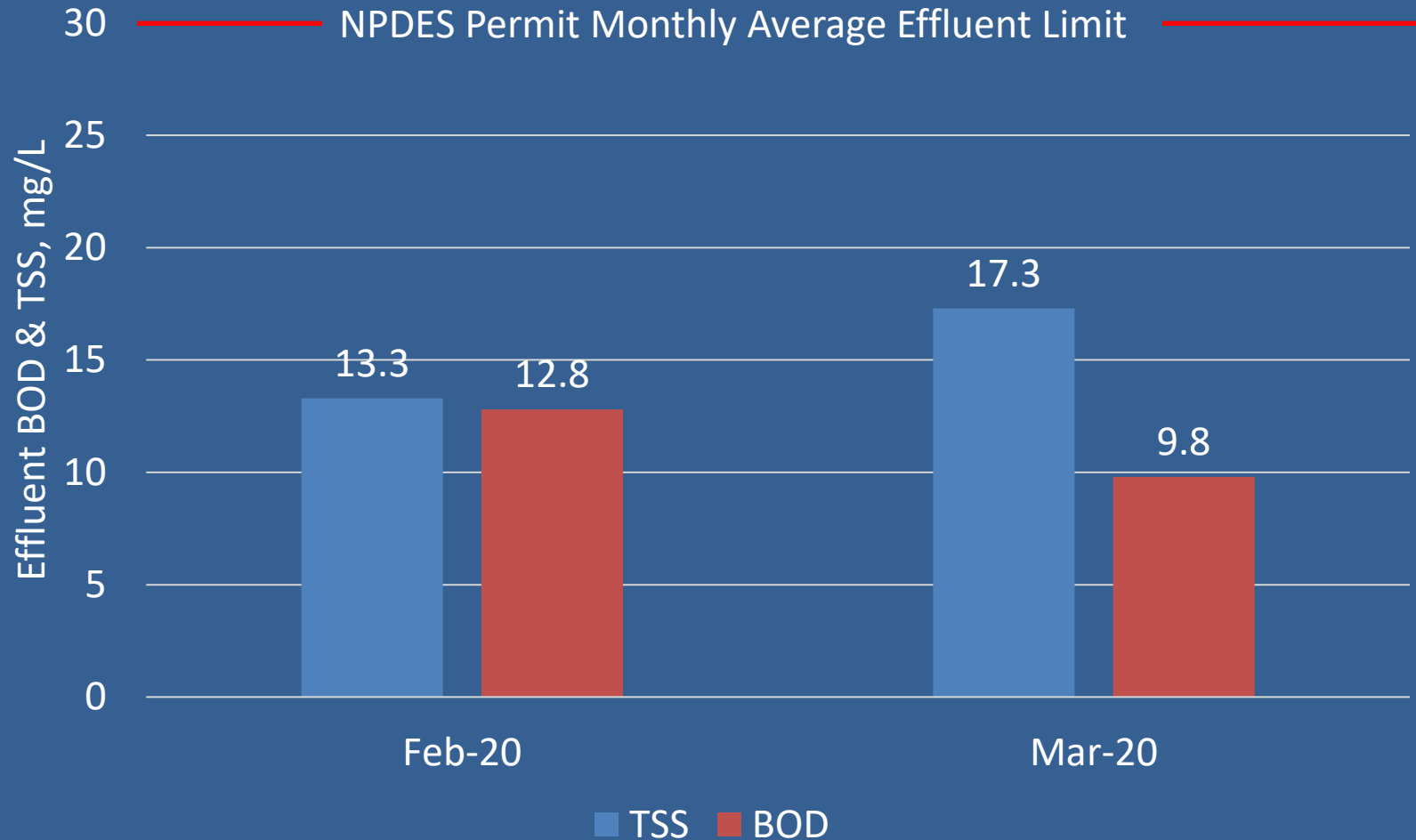
# Consent Decree Schedule

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	On Schedule

\*Seasonal Limit May through October



# Effluent Results





# Events and Recreation

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- Upcoming
  - None scheduled at this time





# Public Input / Comments / Concerns

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# Next Meeting

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- Public Construction Meeting
  - Next Meeting: May 20, 2020, 11:00 AM
  - Public Meeting is likely to be pre-recorded similar to this meeting

