



# Peirce Island WWTF Upgrade Construction

Public Information Meeting

December 20, 2017

# 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
- 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 December 2017

New Electrical  
Facilities

BAF Building  
Rebar and  
Concrete

Yard Piping and  
Utility Service

Solids Building  
Underground  
Utilities

Construction  
Staging Fence

GT 2/Temporary  
Sludge Pump  
Station

Headworks  
Construction

Grit Building  
Construction

Chem.

Ops.  
Bldg

Chlorine  
Contact Tank

Gen

Elec

Biological  
Aerated  
Filter (BAF)

Permanent  
Fence

Grit  
Building

Primary  
Clarifier  
No. 2

Solids  
Processing  
Building

GT1

Primary  
Clarifier  
No. 1

GT2

Headworks

# Work Completed Since Last Meeting



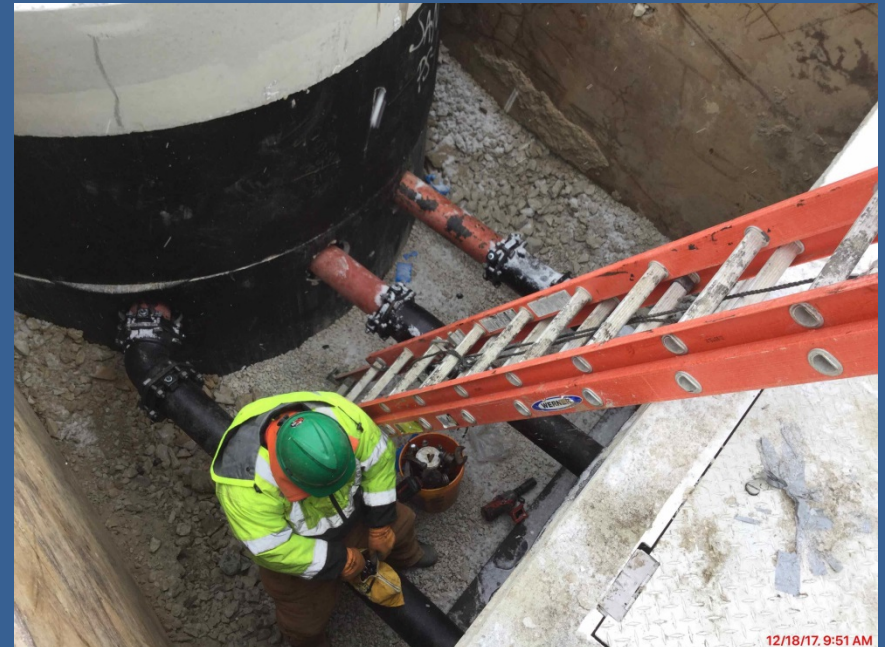
# Work Completed Since Last Meeting



# Work Completed Since Last Meeting



# Work Completed Since Last Meeting





# Work Completed Since Last Meeting



# Work Completed Since Last Meeting



# Work Completed Since Last Meeting



# Work Completed Since Last Meeting



# Work Completed Since Last Meeting



# Work to be Completed in Coming Month

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- Continue interior work at the Headworks Building, including doors, windows, mechanical, HVAC, plumbing, and electrical.
- Continue selective demolition and structural, mechanical process, HVAC, plumbing, and electrical work construction in the Grit Building
- Continue installation of reinforcing steel and concrete for the BAF Building slabs and walls
- Continue installation of utilities under new Solids Building
- Install slide gate in Primary Effluent Distribution Box
- Begin installation of reinforcing steel and concrete for the Solids Building foundation



# Work to be Completed in Coming Month, Cont.

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- Continue interior work at the Electrical Building
- Energize new transformer, switchgear and standby generator
- Continue installation of the temporary primary sludge pump station in Gravity Thickener No. 2
- Continue underground piping installation near the Grit Building





Piscataqua River

# Anticipated Construction December 2017 – May 2018

New Electrical  
Facilities

Ops. Bldg  
Chem.  
Chlorine  
Contact Tank  
Gen  
Elec

BAF Building  
Construction

Biological  
Aerated  
Filter (BAF)

Yard Piping and  
Utility Service

Headworks  
Construction

Solids  
Processing  
Building

Solids Building  
Construction

Primary  
Clarifier  
No. 2

Grit  
Building

Primary  
Clarifier  
No. 1

GT1

GT2

Construction  
Staging  
Fence

Temporary Sludge  
Pump  
Station

Grit Building  
Construction

Permanent  
Fence

Headworks



# 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
- Total Contract: \$73.793 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	On Schedule
BAF Substantial Completion	December 1, 2019	On Schedule
Achieve Compliance with NPDES Permit Limits	April 1, 2020	On Schedule



# Events and Recreation

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- Upcoming
  - First Night
  - Strawberry Banke Events





Public Input / Comments / Concerns

# Next Meeting

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- Public Construction Meeting
  - Next Meeting: January 17, 2018, 11:00 AM

