

Meeting Notes

Subject	Peirce Island WWTF Upgrade – Monthly Public Construction Meeting
Date	September 19, 2018
Time	11:00 AM
Location	Portsmouth, NH

A public meeting was held at 11:00 AM on September 19, 2018 at Portsmouth City Hall for the subject project. A record of the discussion follows:

Terry Desmarais, City Engineer, gave an introduction to the meeting and outlined the topics of discussion, including work completed since the last meeting, work to be completed in the coming month, work anticipated in the next six months, construction cost to date, summary of Consent Decree milestones, events and recreation, and public input.

The members of the Project Team in attendance introduced themselves, and included:

- Terry Desmarais, City Engineer
- Patrick Wiley, Wastewater Operations Manager
- Jon Pearson, AECOM Project Manager
- Robert Dahlinghaus, AECOM Resident Representative
- Andy Brodeur, Methuen Construction, Project Manager

Terry noted that to obtain additional information regarding the project, there is a project website that can be accessed through www.cityofportsmouth.com/publicworks/wastewater/peirce-island-wastewater-facility/peirce-island-wastewater-facility-upgrade-project. The website is updated weekly with news and recreational information and contains a link to a reporting form that can be used to provide feedback or notify the City of any issues associated with the project.

Jon discussed work that has been completed this month. He noted areas where work is ongoing at the site, including:

- Yard Piping / Utility Service
- Grit Building
- Solids Building
- Biological Aerated Filter (BAF) Building

Jon reviewed photos of construction progress, including:

- Site Overview – Existing conditions of the Peirce Island Wastewater Treatment Facility in November 2016. Prior to construction, the treatment process consisted of the Aerated Grit Chambers, followed by the Primary Clarifiers and Chlorine Contact Tanks.

- Grit Building & Aerated Grit Chambers – Work to install new mechanical process equipment within the Aerated Grit Chamber No. 1 is in progress, including a new grit collection system, and new aeration equipment. Work to install the new aluminum covers on Aerated Grit Chamber No.1 is in progress. Work to install new mechanical process, HVAC and electrical equipment in the Grit Building is in progress; this includes but is not limited to the new grit pumps and grit classifier. Structural and architectural modifications to the building are also in progress. Efforts to keep the Grit Building operational during equipment replacement are ongoing.
- Solids Building – Reinforcing, formwork, and concrete placement for the foundation slab, elevated slabs, walls, and columns are in progress. Installation of mechanical process piping and placement of mechanical process equipment in the Pump Gallery is underway; this includes but is not limited to the Aerated Sludge Tank blowers, Secondary Influent pumps, and sludge piping.
- BAF Building – Reinforcing, formwork, and concrete placement for the elevated slabs, columns, above ground walls, cell walls, and Pipe Gallery roof slab is in progress. Installation of BAF Stage No. 1 nozzle decks is in progress. Installation of mechanical process piping within the BAF cells, Pipe Gallery, and mechanical process spaces is in progress. Work to install the mechanical process valves and slide gates is in progress. Masonry work, including installation of CMU walls on both ends of the building, is in progress.
- Yard Piping / Utility Service – Work to install yard piping between the Grit Building, Solids Building and BAF Building is in progress.

Andy discussed work anticipated for the coming month, including:

- Continue minor finish work in the Headworks Building.
- Continue architectural, structural, mechanical process, HVAC, plumbing, and electrical construction in the Grit Building.
- Continue work on process equipment installation and startup in Aerated Grit Chamber No. 1.
- Continue installation of reinforcing, formwork, and concrete placement for the BAF Building elevated slabs, columns, and walls.
- Continue installation of mechanical process piping in Stage No. 1 and No. 2 of the BAF Building.
- Continue installation of mechanical process piping throughout the BAF Building.
- Continue masonry work on the BAF Building.
- Continue installation of reinforcing, formwork, and concrete placement for the Solids Building foundation slab, elevated slabs, columns, and walls.
- Continue installation of equipment and process piping in lower level of the Solids Building.
- Continue underground piping installation between the Grit Building, Solids Building, and BAF Building.

Andy then discussed the work anticipated through September and into March 2019, including:

- Headworks Building – Complete minor finish work.
- Grit Building – Interior: Continue selective architectural, structural and mechanical process modifications, including installation of mechanical process piping and equipment, in the Grit Building. Continue installation of electrical, control, and fire alarm wiring, including startup of the motor control center. Complete installation of new chemical systems (ferric chloride and polymer). Complete modifications in Grit Chambers No.1 and No. 2. Exterior: Complete work

on the new roof, yard piping associated with the building, and installation of exterior features such as doors and windows.

- Underground Piping and Utility Services – Complete yard piping from the Primary Clarifiers to the BAF Building, Solids Building and Primary Clarifier Effluent Distribution Box. Complete the electrical and communication ductbanks towards the BAF and Solids Buildings.
- BAF Building – Complete reinforcement, formwork, and concrete placement for the elevated slabs, walls, and columns. Complete installation of the precast channel covers and nozzle decks for the Stage 1 and Stage 2 cells. Complete installation of steel pipe support beams and monorails in the pipe gallery. Continue installation of mechanical process piping and equipment, electrical, plumbing, and HVAC systems, this includes the Boiler Room, Mechanical Room, and Blower Room. Complete masonry work, including installation of CMU walls on both ends of the building for the stairways and buildout of rooms. Complete installation of precast roof planks, roofing system and brick façade. Complete installation of yard piping associated with the BAF Building and backfilling around the building.
- Solids Building – Complete installation of yard piping and underground utilities in and around the Solids Building. Complete reinforcement, formwork, and concrete placement for the foundation, elevated slabs, walls, and columns. Complete masonry work, including installation of CMU walls. Complete installation of precast roof planks, roofing system and brick façade. Continue work on interior mechanical process piping and equipment.
- Sanitary Pump Station No. 1 – Complete associated yard piping and installation of pumps within the structure.

Jon provided an update on the project construction cost:

- 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
- Total Contract: \$74.206 million

Jon provided a summary of the project milestones set by the Consent Decree:

- Execute Contract to Construction Upgrades - Date: 9/1/2016 - Status: Complete
- Submit Two Additional Millstones for EPA Review and Approval - Date: 12/1/2016 - Status: Complete
- Additional Milestone 1: Transfer of the Existing SCADA system to the New Headworks Building - Date: 11/21/2017 - Status: Complete
- Additional Milestone 2: Startup and Testing of the Secondary Influent Pump Station in the New Solids Building - Date: 5/9/2019 - Status: On Schedule
- BAF Substantial Completion - Date: 12/1/2019 - Status: On Schedule
- Achieve Compliance with NPDES Permit Limits - Date: 4/1/2020 - Status: On Schedule

Jon noted that the project team is continuing to coordinate construction with community events. Upcoming events this month include Granite State Wheelmen Inc. – Seacoast Century Bicycle Ride, Friends of the South End Fairy House Tour, Musical Performances at Vaughan Mall Stage, Seacoast Walk to End Alzheimer's, Bottomline Technologies 5K Road Race, Portsmouth Maritime Folk Festival, 6th Annual Memorial Bridge 5K, NH Film Festival, and Strawberry Banke Events.



There were no questions or comments from the public during the public input portion of the meeting.

The next public construction meeting will be on October 17, 2018 at 11:00 AM in Conference Room A at Portsmouth City Hall.

These notes present a summary of the items discussed at the meeting and are not a transcript of the meeting.