

## Meeting Notes

Subject	Peirce Island WWTF Upgrade – Monthly Public Construction Meeting
Date	June 20, 2018
Time	11:00 AM
Location	Portsmouth, NH

A public meeting was held at 11:00 AM on June 20, 2018 in Conference Room A 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](http://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:

- Headworks Building
- 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.

- Headworks Building – The Headworks Building has been brought online and is in service. Wastewater from the New Castle and Mechanic Street Pump Stations is flowing through the Headworks Building and undergoing screening to remove larger, inorganic material. Minor finish work is near completion.
- Grit Building & Aerated Grit Chambers – Work to install new mechanical process equipment within the Aerated Grit Chamber No. 1 is progress, including new slide gates, a new grit collection system, and new aeration equipment. Work to install new mechanical process, HVAC and electrical equipment in the Grit Building is in progress. Structural and architectural modifications to the building are in progress, work to install the new ferric chloride feed system is in progress, and work to install process piping for the new Aerated Grit Chamber blowers is in progress.
- Solids Building – Reinforcing, formwork, and concrete placement for the foundation slab, elevated slabs, walls, and columns are in progress.
- BAF Building – Reinforcing, formwork, and concrete placement for the elevated slabs, columns, above ground walls, and cell walls is in progress. Installation of the precast nozzle decks in Stage 1 is in progress. Installation of mechanical process piping is continuing in Stage 1 of the BAF. Masonry work, including installation of CMU walls on both ends of the building, is in progress. On the east end of the building, construction of CMU walls for the Blower Room, Electrical Room, and Mechanical Room has begun.
- 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 selective demolition and architectural, structural, mechanical process, HVAC, plumbing, and electrical construction in the Grit Building.
- Continue work on process equipment installation 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 1 of the BAF Building.
- Begin installation of process piping in the BAF Building Gallery.
- 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 underground piping installation between the Grit Building, Solids Building, and BAF Building.

Andy then discussed the work anticipated through June and into December 2018, 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 the new motor control center. Complete installation of new ferric chloride and polymer chemical systems. 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 doors.

- 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 installation of the precast channel covers and nozzle decks for the Stage 1 cells. Complete installation of steel pipe support beams in the pipe gallery. Complete masonry work, including installation of CMU walls on both ends of the building for the stairways and buildout of rooms. Complete installation of yard piping associated with the BAF Building and backfilling around the building. Continue reinforcement, formwork, and concrete placement for the elevated slabs, walls, and columns. Continue installation of mechanical process piping and equipment, electrical, plumbing, and HVAC systems, this includes the Boiler Room, Mechanical Room, and Blower Room. Begin installation of brick façade and precast roof planks and roofing system
- 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, walls, and columns. Complete masonry work, including installation of CMU walls. Complete installation of precast roof planks and roofing system. Begin installation of brick façade. Begin 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

A public tour of the WWTF Upgrade construction site is tentatively scheduled for July 24, 2018 from 5 – 7 pm. More information will be provided once the date is finalized.

Jon noted that the project team is continuing to coordinate construction with community events. Upcoming events this month include the Susan G. Komen New Hampshire Race, Portsmouth Pride 2018, Solo Guitar and Piano Performances, St. John's Lodge March, Portsmouth Professional Firefighters Local 1312 Boot Drive, Pro Portsmouth Summer in the Street Music Series, Veteran's



Count Pack & Boots Run, Cystic Fibrosis Foundation CF Cycle for Life, Fife & Drum Corps Concert, and Strawberry Banke Events including the Independence Day Celebration on July 1st.

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 July 18, 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.