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# Meeting Notes

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| Subject | Peirce Island WWTF Upgrade – Monthly Public Construction Meeting |
| Date | February 21, 2018 |
| Time | 11:00 AM |
| Location | Portsmouth, NH |

A public meeting was held at 11:00 AM on February 21, 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
- 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:

- Headworks Building
- Yard Piping / Utility Service
- Grit Building
- Gravity Thickener No. 2
- New Solids Building
- Electrical Facilities (Standby Generator and Electrical Building)
- Biological Aerated Filter (BAF) Building

Jon reviewed photos of construction progress, including:

- Electrical Facilities – The standby generator was started up, tested and placed into service. The main switchgear, including the automatic transfer switch, which will transfer power over

to the generator in the event that normal power is lost, was also put into service. The facilities at the WWTF are now running on permanent power. The existing overhead electrical system has not yet been removed however, it has been de-energized.

- Headworks Building – Interior: HVAC, plumbing, electrical, and mechanical process work is in progress. Work to test and startup the screens is in progress.
- Grit Building – Interior: work to construct the concrete masonry unit (CMU) partition walls is in progress and the walls partitioning the new ferric chloride room have been completed. Selective demolition of equipment and piping is in progress.
- Underground Piping and Utility Services – Underground yard piping beneath the Solids Building is in progress as well as underground piping and ductbank work around the site. The excavation, installation, and concrete encasement of the 36" force main that runs underneath the Solids Building is 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 is in progress.

Andy discussed work anticipated for the coming month, including:

- Continue interior work in the Headworks Building, including doors, windows, mechanical, HVAC, plumbing, and electrical work.
- Continue startup of process equipment at the Headworks Building.
- Continue selective demolition and modifications (structural, mechanical process, HVAC, plumbing, and electrical) in the Grit Building, including installing the new Motor Control Center.
- Continue reinforcing, formwork, and concrete placement for the BAF Building elevated slabs, columns, and walls.
- Continue installation of utilities under the new Solids Building.
- Begin reinforcing, formwork, and concrete placement for the Solids Building foundation.
- Continue interior work at the new Electrical Building, including HVAC and lighting.
- Complete the transfer of buildings to permanent power.
- Remove temporary overhead electrical system, temporary generator and temporary switchgear.
- Continue underground piping installation near the Grit Building.

Andy then discussed the work anticipated through January and into June 2018, including:

- Headworks Building – Complete all work in and around the Headworks Building, including but not limited to, exterior envelope work, exterior mechanical work on the roof, and installation of process piping and equipment, odor control piping and equipment, HVAC, and plumbing. Complete testing, training, and turnover activities so that the building can be put into service and turned over to the City.
- Grit Building – Interior: Continue selective architectural, structural and mechanical process modifications, complete installation of new ferric chloride chemical system, continue installation of interior mechanical process equipment and piping, electrical control equipment, including the Motor Control Center, and the fire alarm equipment and wiring. Exterior: complete work on the new roof, yard piping associated with the building, and begin installation of exterior doors.
- Gravity Thickener No. 2 – Continue work on permanent yard piping associated with Gravity Thickener No. 2.

- Electrical Facilities – Remove the existing temporary overhead electrical system, and continue to extend the electrical and communication ductbanks towards the BAF and Solids Buildings.
- Underground Piping and Utility Services – Continue installation of yard piping near the south end of the Grit Building by the Primary Clarifiers and Effluent Distribution Box that will extend towards the Solids Building and BAF Building.
- BAF Building – Continue reinforcement, formwork, and concrete placement for the elevated slabs, walls, and columns. Continue installation of process piping and equipment, installation of precast channel covers and nozzle decks, and backfilling around the building. Begin installation of CMU walls on both ends of the building for the stairways, installation of electrical and plumbing systems, and installation of yard piping. Begin interior mechanical process, electrical, plumbing and HVAC work.
- Solids Building – Continue yard piping and underground utilities in and around the Solids Building. Complete work for the concrete encased 36", 24", 14" and 8" pipes which run underneath the Solids Building. Begin reinforcement, formwork, and concrete placement for the foundation, walls, and columns, and begin work on interior process piping and equipment.
- Sanitary Pump Station No. 1 – Continue associated yard piping and complete installation.
- Complete installation of the new slide gates at the Primary Clarifier Effluent Distribution Box.

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
- Total Contract: $73.956 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 Strawbery 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 March 21, 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.