

**STATE OF RHODE ISLAND AND PROVIDENCE PLANTATIONS
PUBLIC UTILITIES COMMISSION**

**In re: City of Woonsocket Water Division
- Application to Implement Multi-
Year Rate Plan**

Docket No. 4879

**CITY OF WOONSOCKET WATER DIVISION'S
("WWD") SUPPLEMENTAL 2-3(a) RESPONSE TO THE DIVISION OF PUBLIC
UTILITIES AND CARRIERS' 2ND SET OF DATA REQUESTS**

2-3:	Regarding the new treatment facility, discussed on page 3, of Mr. Bebyn's testimony,
(a)	Please provide an update of the status of the construction of the new facility.
WWD Supplemental Response 2-3:	
(a)	Please see the April 2019 Status Report for the City of Woonsocket – Drinking Water Treatment Facility Capital Improvements Project, attached as Supplemental Exhibit 2-3(a) .
Respondent:	Robert Otoski, P.E.
Date:	May 15, 2019

CITY OF WOONSOCKET, WATER
DIVISION
By its Attorneys,

/s/ Alan M. Shoer
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Dated: May 15, 2019

CERTIFICATE OF SERVICE

I hereby certify that on May 15, 2019, I delivered a true copy of the foregoing supplemental 2-3(a) response to the Division of Public Utilities and Carriers' SECOND Set of Data Requests via electronic mail to the parties on the attached service list.

/s/ Alan M. Shoer

SUPPLEMENTAL EXHIBIT 2-3(A)

Status Report No. 15

City of Woonsocket - Drinking Water Treatment Facility Capital Improvements Project

Date: April 23, 2019

Prepared by: CDM Smith

On July 31, 2017 the City of Woonsocket, Rhode Island (“City”) entered in to an Agreement with Woonsocket Water Services, LLC (“Company”); note that, during the proposal review process, the “Company” was also referred to as “the AECOM Team”. The Agreement is for the Company to design, construct and operate a new water treatment facility with a design capacity of 7.0 million gallons per day, expandable to 10.5 million gallons per day, on the City-owned property on Jillson Avenue. Construction is to be complete and the facility fully operational no later than December 31, 2020.

Status Report No. 15 details the work completed from March 23, 2019 through April 23, 2019.

PROJECT SCHEDULE

All design packages have been delivered to the City and stamped by RIDOH, which completes the design phase of the project. The City has issued to the Company a full notice to proceed with construction of Capital Improvements. It is anticipated the new water treatment plant will be fully operational on December 31, 2020.

PROJECT BUDGET

Original Contract Sum	\$ 56,752,800.00
Change Orders	\$ (109,572.00)
Current Contract Sum	\$ 56,643,228.00
Total Paid to Date	\$ 21,698,186.03
Current Retainage	\$ 1,066,988.31
Current Payment Under Review	\$ -

PROJECT CHANGE ORDERS

PROPOSED

PCO No 8 - Natural Gas Booster Station: The Company has proposed change order of \$108,000 to design and construct a gas booster station required to operate HVAC equipment at the treatment plant due to low line pressures in the distribution system. Final design details are being coordinated between WWS and National Grid.

PCO No 9 - PCB and PAH Remediation: Work under Change Order No 2 has been completed. Confirmatory soil samples indicated additional remediation work will be required. The Company is proposing a fixed Engineering Services cost of \$9,574 plus the cost of excavation, disposal, sampling and lab costs associated with the removal of contaminated material within the defined area at a unit cost of \$106.80 per ton.

FUTURE

30" Line Stop - During pressure testing of the offsite pipelines, a connection to an existing line was discovered. This connection needs to be isolated in order to connect new pipe lines from the WTP. It has been determined a line stop is required to cap the existing line.

Sick Leave Act - A new law passed in the State of Rhode Island regulating the minimum sick leave time employees in the State must receive. WWS is evaluating the act and estimating the cost impacts it may have in the project.

EXECUTED

Change Order No. 1 – PCB and PAH Notification and Delineation: \$41,868.00

This change order covered the compensation for the Preparation/review of Notification to RIDEM and resulting RIDEM response and conduct the required site delineation of the PCB and PAH contamination to determine the extent of excavation required along the facility's primary access road.

Change Order No. 2 – PCB and PAH Remediation: \$114,919.00

Field work to further delineate the PCB and PAH contamination along the facility's primary access road was completed (CO-01). Lab results showed reportable levels of PCB were found to a depth of 3-feet, while PAH contamination were found to a depth of 6-feet. The Company has proposed Change Order No 2 (CO-02) to "Dig and Haul" contaminated soil off-site, conduct confirmatory sampling, development of reports and management activities during excavation for a total cost of \$114,919.00. If confirmatory samples show additional remediation is required a proposed change order would be developed.

Change Order No 3 – Excavation/Removal Hazardous Materials: \$100.70/Ton (Time & Material) Covers handling of hazardous materials while installing new water mains along Joffre Ave, Acres Ave, Reservoir Ave and Manville Rd. Company will only be compensated for material removed for disposal at a rate of \$100.70 per ton.

Change Order No 4 – Raw/Finished Piping Modifications: \$202,988.00 (CREDIT)

Company is deleting from the design ~620 linear feet of 24” ductile iron water main. The finished water main runs from the intersection of Acres Ave and Reservoir Ave to Joffre Ave and Logee St. The Company had proposed deleting ~450 linear feet of 24” ductile iron main between Manville Road and Lydia Avenue. However, deleting the ~450 linear feet of 24” ductile iron main would have meant transmission of raw water through an existing 100 year old main and the loss of redundancy.

Change Order No 5 – Interior Process Piping Material Change: \$129,600 (CREDIT)

Company will credit \$129,600 by installing epoxy line carbon steel pipe in lieu of ductile iron pipe within all facilities. This includes piping within the WTP, Raw Water Pump Station and Finish Water Pump Station.

Change Order No 6: National Grid Natural Gas Service: \$66,239

National grid has provided an invoice totaling \$114,740 to complete the installation of new gas main and gas service required at the new treatment facility. A utility allowance of \$50,000 was placed into the construction contract. CO No 6 will cover the remaining balance plus bond and insurance increases incurred by WWS.

PROJECT SUBMITTALS

- All design packages have been approved for construction.

PROJECT PERMITTING

- All RIDEM and RIDOH permitting activities have been completed for the project.

FIELD WORK/CONSTRUCTION ACTIVITIES

- Work on structural foundations at the WTP site has continued.
- Started installing primary and secondary electric duct bank.
- Placed and compacted subgrade at CCT slab
- For further details, refer to WWS Update, attached.

Water Treatment Plant

DESIGN-BUILD-OPERATE PROJECT UPDATE

WOONSOCKET WATER SERVICES, LLC



Water Treatment Plant Timeline

Project Introduction. The City of Woonsocket, Rhode Island issued a request for proposals (RFP) in August 2015 for the design and construction of a new water treatment facility. Woonsocket Water Services, LLC, (WWS) a team comprised of AECOM, C.H. Nickerson, and Suez, submitted a proposal in February 2016 for the design-build-operate project and was awarded the project in July 2017. The project is currently in the construction phase.

Design. Once the contract was signed, the project was kicked off with the City in August 2017 with the initiation of design packages and permitting with local and state regulatory agencies. The design packages consist of the following packages: Package 1 - Early Site Work; Package 2 - Raw Water Pumping Station, connecting pipelines, and structural foundations of the Water Treatment Plant; and Package 3 - Water Treatment Plant.

RIDOH approved Package 1 on May 30, 2018; Package 2 on July 20, 2018; and Package 3 on September 28, 2018. All packages have been stamped and approved by RIDOH, which completes the design phase of the project.

Permitting. All RIDEM and RIDOH permitting activities have been completed for the project. The RIDOH participates in monthly progress review meetings with the project team and the City and will continue to participate and monitor the project throughout construction and startup. Representatives from the RIDEM make periodic site visits to the WTP site to conduct site inspections related to construction storm water controls.

WWS submitted a permit modification to the original Freshwater Wetlands permit. The permit modification request is to modify the amount of off-site compensation that would be provided, to include the impervious area that will be created with the sidewalk improvements on Jillson Avenue and the extension of Acres Avenue to the new Secondary Access Road from the new WTP.

Construction. In April, the following activities were conducted:

1. Started rock excavation for admin building
2. Continued installing formwork and reinforcement for DAF walls
3. Continued placing concrete on DAF walls
4. Installed and backfilled electrical handholes for primary power
5. Continued installing formwork and reinforcement for the CCT south slab
6. Continued installing formwork and reinforcement for the CCT north slab
7. Continued placing sections of the CCT south slab
8. Installed transformer pad

Upcoming Activities (3 Month Look Ahead)

- Continue review of construction submittals
- Continue concrete formwork, reinforcement installation and concrete placement at the Chlorine Contact Tank area (CCT)
- Continue concrete formwork, reinforcement installation and concrete placement at DAF walls
- Start installing concrete formwork and reinforcement for admin building footings
- Start pulling wire and cable for primary power
- Start clearing and sitework at Raw Water Pump Station.

Site Photographs

The following project photographs were taken in April 2019. These photographs depict the ongoing activities related to site work and concrete work for the operations/process building and the chlorine contact tank area.



Chlorine Contact Tank - South Slab Reinforcement and Placement of Slab Sections



Chlorine Contact Tank - North Slab Reinforcement and Completed South Slab Concrete



Process Building- DAF Walls Formwork and Reinforcement



Process Building- Trough Slab Reinforcement

Design-Build-Operate Contract Update

TOTAL CONTRACT AMOUNT	\$56,643,228
EXPENDED THROUGH MARCH 18 2019	\$21,698,186
PERCENT COMPLETE	38%
ANTICIPATED TREATMENT PLANT COMPLETION DATE	No Later than 12/31/2020