PORTLAND WATER BUREAU

IMPROVED CORRORION CONTROL TREATMENT PROJECT QUARTERLY REPORT

JULY 10, 2018

PROJECT BACKGROUND

On May 5, 2017, the Oregon Health Authority-Drinking Water Services (OHA) approved the Portland Water Bureau's (PWB) modified schedule to implement improved corrosion control treatment. The approved schedule includes multiple phases and milestones over a period of five (5) years. The improved corrosion control treatment facility must be on-line by April 30, 2022. The total project budget is estimated at $20,000,000.

Action	Due Date	Date Completed
Complete Water Quality Corrosion Study	3/31/17	3/31/17
Review study data and agree with OHA on treatment options; submit recommendation to City Council for consideration	3/31/17	3/31/17
Submit Water Quality Corrosion Study final report to OHA	4/12/17	4/12/17
Submit Corrosion Control Treatment Pilot Study Plan to OHA	6/30/17	6/30/17
Implement recommendations to improve the lead hazard reduction program elements as identified by OHA	12/31/17	12/31/17
Submit Corrosion Control Treatment Pilot Study results and treatment recommendation to OHA	7/31/18	
Begin Improved Corrosion Control Treatment Facility Detailed Design	8/1/18	
Submit Improved Corrosion Control Treatment Plans and Specifications to OHA	4/30/20	
Begin Corrosion Control Treatment Facilities Construction	8/1/20	
Complete Corrosion Control Treatment Facility Construction	4/30/22	

PROJECT ACTIVITIES: APRIL – JUNE 2018

- Confluence Engineering Group continued work on the Corrosion Control Treatment Pilot. Testing is complete and the pilot study report and treatment recommendation are being finalized. The treatment recommendation is pH and alkalinity adjustment using soda ash and carbon dioxide.
- Stantec Consulting Services and PWB continued work on preliminary design tasks in preparation for beginning detailed design.
- PWB began development of a Request for Proposals (RFP) for a Construction Manager General Contractor (CM/GC).

PLANNED ACTIVITIES: JULY – SEPTEMBER 2018

- PWB will submit the pilot study report and treatment recommendation to OHA by July 31, 2018.
- Stantec Consulting Services and PWB will begin detailed design and plans to complete a Basis of Design Report (BDR) in September 2018.
- PWB will continue work on the CM/GC RFP. PWB plans to advertise the RFP in October 2018.

BUDGET

The total budget for the project is $20,000,000. The project is under budget in fiscal year (FY) 2017-2018 because preliminary design work began later than anticipated.

	FY 17/18 Budget	***YTD Spending***
FY 2017-18	$533,000	$315,000
FY 2018-19	$1,820,000	

SCHEDULE

The PWB is on schedule to meet project milestones in the next quarter.

Action	**Due Date**	**Planned Date**
Submit Corrosion Control Treatment Pilot Study results and treatment recommendation to OHA	7/31/18	7/31/18
Begin Improved Corrosion Control Treatment Facility Detailed Design	8/1/18	Started

CONNECTION TO BULL RUN FILTRATION PROJECT

PWB is committed to reducing lead at customer's taps and meeting OHA's schedule for providing improved corrosion control treatment by April 30, 2022. The commitment to reducing lead at customer's taps will continue into the future as PWB implements a new filtration treatment system on the Bull Run Supply by September 30, 2027. Improved corrosion control will also be part of the filtration treatment system and will require construction of new corrosion control facilities. PWB is aware of the short-term life of the current Improved Corrosion Control Treatment project, the cost impact of this facility and the potential for stranded assets. PWB is working with its contractors to identify opportunities to reduce project costs on the current project and evaluate opportunities to install system components that could be reused as part of the filtration treatment system. The filtration treatment system development will include additional testing to identify the best long-term corrosion control approach. PWB will work with the contractors for the Bull Run Filtration Project to evaluate the best value alternatives for ensuring improved corrosion control into the future.