

Emergency Extension Justification

Project Number: 040-010-105

Project Description/Location: Emergency Upgrade of Domestic Water System

Project Manager: Chris MacGibbon

Vendor(s): BRiC Partnership, LLC and Doyle Plumbing & Heating Co.

Emergency Posted Date: 10/1/2015

Brief Description: Quincy Veterans' Home (IVHQ) experienced an outbreak of Legionella attributed to poor potable water quality. The project is necessary to mitigate various plumbing issues promoting the growth of Legionella at IVHQ and protect against the threat to public health. The scope of work includes repair, replacements, and upgrades to the domestic water system at the IVHQ in order to treat the domestic water system with chemicals and heat, and to eliminate non-circulating plumbing (dead-legs).

Current Status: Design and construction are progressing concurrently. BRiC Partnership, LLC (Bric) has been surveying the campus and designing major scope items that include the chemical treatment station at the Garage, the decentralization of the domestic hot water system, new water service and elimination of dead-leg plumbing. They are also providing direction and material submittal proposal and review to the Contractor, Doyle Plumbing and Heating Company (Doyle). Doyle and their subcontractors are installing point-of-use mixing valves and dual/double check valves campus-wide, excavating and installing new water services, demolishing dead-leg piping, renovating the Garage for the new chemical treatment facility, prepping for hot water system modifications, and abating asbestos as necessary to accommodate the upgrades.

Justification for Need of Extension: While the project is progressing, the nature of the emergency and the extensive design required to remediate the elements contributing to growth of Legionella requires additional time beyond the 90 day duration. Legionella affects the entire domestic water system at IVHQ which extends to nearly all plumbing fixtures in approximately thirty-eight buildings and includes two central loop systems that serve those buildings. Location and investigation of the existing systems on campus has proven to be difficult. Specifically, the complexity of design and analysis of the chemical treatment facilities and the domestic hot water system/distribution and the lead time for specialized plumbing accessories and treatment equipment necessitate the extension of the emergency. Anticipated completion dates for scope items that will exceed the 90 day emergency duration are as follows: double/dual check valve installation to be completed by 1/29/16, garage water treatment facility to be completed on 1/25/16, domestic hot water upgrades and decentralization to be completed by 2/8/16, and dead leg elimination is scheduled to be

complete by 2/8/16. General site restoration and de-mobilization is expected to extend through April, 2016 due to the time of year in which the work is occurring. Substantial Completion is projected to be March 1, 2016 with Final Acceptance by April 29, 2016.