



MEMORANDUM

TO: LONZY WOOD, DIRECTOR OF FINANCE AND ADMINISTRATION

FROM: JENNIFER WHITAKER, DIRECTOR OF ENGINEERING AND MAINTENANCE

SUBJECT: EMERGENCY PROCUREMENT - AMENDMENT

DATE: AUGUST 10, 2021

Original Memo:

This memorandum serves as official notice of Emergency Procurement as required by the Rivanna Water and Sewer Authority procurement manual and Section 2.2-4303 of the Virginia Public Procurement Act.

On April 9, 2021 Bill Mawyer, the RWSA Executive Director, at the request of staff, provided an emergency declaration concerning the need to repair gas leaks in Digesters #1, #2 and #3 at the Moores Creek Advanced Water Resource Recovery Facility (MCAWRRF). The gas leaks are a safety concern and are causing significant concrete degradation which has led to Digester #2 being taken out of service thereby reducing solids processing redundancy. Following external and internal inspections by our engineering consultants, it has been decided that installation of rubber seals in the manways and sample ports will mitigate gas leaks into the annular roof space and decrease concrete degradation. Due to the confined space entry requirements, this work cannot be done by in-house staff without significant impact to other needed work efforts.

On April 12, 2021, RWSA procured the emergency services of Waco, Inc. a general contractor that specializes in heavy mechanical and process piping construction. Waco will provide all material and labor associated with the successful installation of the rubber seals in the manways and sample ports in the MCAWRRF Digesters #1, #2, and #3.

Amendment:

Waco installed the seals in Digester #2 in early July 2021. After Digester #2 was placed back into service in mid-July, it continued to leak gas. The engineers at Hazen recommended that we proceed with further investigative work to try and determine the source of the leaks and evaluate the condition of the concrete in the annular roof space. Additional recommended work may include, but not be limited to, core drilling the roof and inspecting the annular space in between the old roof and new roof, laboratory sampling, gas sampling, smoke testing, CCTV, and additional sealing or repairs of any damage discovered to stop the gas leaks or repair concrete. As previously outlined, gas leakage poses a safety issue and further concrete degradation of the structures may result in the need for them to be taken out of service, leaving RWSA at risk without enough

capacity to properly digest solids. In consideration of the urgency of this issue and Waco's familiarity with the work that they have begun, staff recommend that Waco continue the proposed investigative and repair work under the current Emergency Declaration and Bill Mawyer, the RWSA Executive Director, approved the work on August 3, 2021.