



## MEMORANDUM

**TO:** FILE

**FROM:** WILLIAM I. MAWYER, JR., EXECUTIVE DIRECTOR

**Cc:** DANIEL G. CAMPBELL, DIRECTOR OF OPERATIONS AND ENVIRONMENTAL SERVICES

**SUBJECT:** EMERGENCY PROCUREMENT – GLENMORE UV SYSTEM

**DATE:** MARCH 6, 2025

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

The Trojan UV disinfection system at Glenmore WRRF is 31 years old and was identified as reaching the end of its service life during the 2023 Needs Assessment completed by Wiley-Wilson. The UV disinfection system was scheduled to be replaced in the first phase of the Glenmore WRRF improvement project, which is currently under design by Short Elliott Hendrickson. On February 19, 2025, a Trojan UV technician visited the Glenmore WRRF to help troubleshoot the UV system. This technician told RWSA Wastewater management staff that three of the ten modules have failed in the current Trojan UV system. The current Trojan UV system has several components that are no longer being produced or supported. It is undetermined the exact cause of the module failures, but the full capacity of the current Trojan UV system is reduced by 30 % with the failed modules. Each module has four bulbs. Currently, the Trojan UV system is operational, the UV system is 31 years old and has components that are no longer being produced or supported by Trojan. The replacement of the current Trojan UV system will need to be initiated prior to the CIP project, because the current system is unreliable. The Glenmore WRRF is not set up to use any other means of disinfection and without a new UV system the Glenmore WRRF is not operational.

  
Executive Director

  
Date