




695 MOORES CREEK LANE
CHARLOTTESVILLE, VA 22902-9016
TEL: 434.977.2970
FAX: 434.293.8858
WWW.RIVANNA.ORG

MEMORANDUM

TO: LONZY WOOD, DIRECTOR OF FINANCE AND ADMINISTRATION

FROM: THOMAS L. FREDERICK, EXECUTIVE DIRECTOR 

CC: RICHARD W. GULLICK, DIRECTOR OF OPERATIONS

SUBJECT: EMERGENCY DECLARATION FOR REPAIR OF 54-INCH LINE AT THE MOORES CREEK AWRRF

DATE: FEBRUARY 23, 2016

This memorandum confirms my declaration of an emergency status for repair of the 54-inch wastewater pipeline at the Moores Creek Advanced Water Resource Recovery Facility (AWRRF). A leak was observed in this line that carries the secondary effluent across the Moores Creek AWRRF property, under the creek, and over to the filter system.

Staff dug around the pipe and observed a relatively large shift in a joint that created open spacing. Temporary plugs have been inserted into the open spacing. There is a possibility of further damage to the 54-inch pipe at other joints, and some level of risk of pipe failure. We need to investigate the extent of possible damage to the pipe, and implement the necessary repairs as soon as possible. Given this is the only pipe conveying the secondary effluent to the filtration and disinfection systems, this repair is absolutely essential and must be accomplished as soon as is practical.

I declared this to be an emergency repair, based upon eminent risk that pipe failure could lead to environmental damage and violation of permit conditions.

RWSA is contracting with Godwin Pumps of America (aka Xylem Dewatering Solutions, Inc.) to set up temporary bypass piping and pumping so that the water line can be inspected and repaired. The preliminary estimate for the cost of material and equipment rental, installation, tear down, and transportation is \$88,196.66. The cost may change depending on the time that the temporary bypass piping system is needed.

The pipe is expected to be inspected using a CCTV (closed-circuit television) system by Tri State Utilities.

The extent of the necessary repair is expected to be determined by the results of the CCTV inspection. It will be determined at that time whether RWSA can repair the pipe with its own staff and equipment, or whether a contractor will be needed to do the repair.