

# BRISTOL VIRGINIA QUARRY LANDFILL: SIGNIFICANT PROGRESS MADE

SPRING 2025

The City of Bristol remains committed to transparent and fact-based communications as it actively manages the remediation process at the Bristol Quarry Landfill while also trying to mitigate the associated odor issues. Many significant milestones have been achieved since our last mailer was distributed to citizens and stakeholders in 2023. Below is a list of important work completed in 2024 through Spring 2025:



*Quarry Landfill as of October 2024*

- Completed remediation and closure of the older 498 landfill and planted vegetative cover
- The Virginia General Assembly approved funds to reimburse the City for monies already spent on remediation efforts at the Quarry Landfill
- Through May 2025, the City will have received \$16.2 million of the state funds for project reimbursement
- Added new Geographic Information System-based odor reporting form to website
- Installed additional flow meters
- Added and moved soil to address settlement issues
- Sealed part of the rock face to limit odors
- Installed a new temporary flare with additional flow capacity
- Environmental Protection Agency (EPA) staff visited the landfill on August 23 and cited no elevated emissions
- Identified and fixed faulty temperature probes
- Expanded wellhead temperature system by installing additional sensors to wellheads previously without a sensor
- Added eight (8) new pumps to the well system
- Installed two new larger compressors in the Benzene Extraction System
- Cleaned the tanks in the Benzene Extraction System and sent the extracted waste to an offsite treatment facility
- Replaced clogged piping to the stormwater flow meters
- Realigned the Sidewall Odor Mitigation System (SOMS) header pipe to create efficiencies by reducing condensation and maximizing flow.

## WHAT'S STILL TO COME

While crews have completed a litany of projects and upgrades to landfill systems in 2024, there is still much more remediation work left to be done. Below is a snapshot of projects the City anticipates undertaking in 2025:

The Virginia Department of Environmental Quality (DEQ) extended the deadline for installation of the EVOH vinyl cover.

Installation of a new permanent flare and an emergency generator to operate critical equipment during a power outage.

- The City is in the process of bid selection for new permanent flare work.
- An air permit application has already been submitted to DEQ for the flare. An amendment will be needed for the emergency generator, and the amendment application can't be submitted until we know what make/model of generator is selected. That information will be known once the bid is awarded.
- The City is currently working on the renewal process for our Title V air permit, which is required every five (5) years by DEQ.

Installation of two equalization tanks to pretreat leachate prior to discharging to the POTW (publicly owned treatment works- BVU).

- Engineering consultants designed the treatment system with two 500,000 gallon tanks to provide excess capacity in the event of a hurricane or a large rain event. Two 500,000 gallon tanks will also permit operations to continue while maintenance occurs.
- The City is currently in the design phase of the equalization tank project and hopes to have the installation completed by mid-2026. City officials are working to expedite the process where it makes sense to do so.
- The tanks will require the air permit to be amended. The tanks will be enclosed to capture the volatiles that are "off-gassed" from the leachate, and the gases will be directed to the flare for destruction. The modification to the permit will be minor.

Installation of additional cleanouts in the landfill piping to help remove buildup within the piping system allowing for more efficient operation and ultimately increasing collection of landfill gases and liquids. This process is similar to a cleanout system for residential sewer systems, but on a larger scale.

**Learn more about progress at the Quarry Landfill  
on our website – [BristolVALandfill.org](https://BristolVALandfill.org).**