

Dept. of Facilities and Environmental Services	Albemarle County
Environmental Quarterly Report	Q3-FY18

This report includes environmental program updates for January, February, and March 2018.

General:

- Stormwater Utility: Staff developed a draft rate structure, credit policy, and methodology to determine the amount of billable impervious surfaces. These were based on principles articulated by past Committee recommendations and constrained by utility law. This information was shared with Board members in individual meetings and interested groups, as requested. A fee lookup function was developed as part of the GIS-Web.

Environmental Compliance:

- The Department of Environmental Quality inspected McIntire County Office Building Underground Storage Tanks (UST) and no compliance issues were reported.
- Chris Green Lake Park, Simpson Park, Walnut Creek Park, and Ivy Creek Natural Area well water systems successfully met Department of Health (DOH) water quality testing standards for bacteria. Greenwood Community Center, Simpson Park and Walnut Park received violations within the period that were immediately resolved by submitting reports and water samples to meet standards.
- ACPD Regional Firearms Training Facility waterworks system successfully met DOH water quality testing standards for quarterly bacteria test and metered usage.
- Safer Chemical Waiver approved:
 - February 22, 2018 - Approved herbicide waiver for FES Environmental Services Division to treat invasive vegetation at the following stormwater management facilities and dams:
 - Birnam Basin
 - Church Road Basin
 - Crozet Wetlands
 - Monticello Dam
 - Key West Dam
 - Woodbrook Lagoon

Local Climate Action Planning and Energy Management:

- Developed an implementation plan for this effort.
- With assistance from new temporary staffing developed a new energy management data system to track energy usage and identify problems and opportunities for reductions.
- Utilizing Innovation Funds, procurement will soon be in process to place a solar array on the roof of the Crozet Library. Power generated by the panels will be used on site, resulting in direct cost savings and avoided greenhouse gas emissions. Installation is anticipated in the summer of 2018.

Solid Waste and Recycling:

- Expanded recycling collection began in late December at McIntire and 5th Street County office buildings. Every department at the two buildings received two recycling bins in addition to the existing waste collection containers. Paper recycling bins receive all types of paper products such as office, cardboard, brown, newspaper, and magazines. Comingled recycling bins receive aluminum, glass, and plastics #1 – 7, including plastic grocery bags.
- Division staff continue to support the Solid Waste Alternatives Advisory Committee (SWAAC).

Water Quality Protection:

- Contracted with Rivanna Conservation Alliance to implement new bacteria monitoring program in urban streams (this is in addition to our existing water quality sampling program in selected urban streams).
- Continuing technical support for Rivanna Conservation Society's StreamWatch monitoring program throughout the Rivanna River basin.
- Finalized agreement with the City of Charlottesville to share costs and water quality credits for inter-jurisdictional stream restoration project.
- Met with staff of the Virginia DEQ to explore options for stormwater management permitting and offsite compliance options for the Southwood Redevelopment project and Biscuit Run.
- Working with DEQ and City of Charlottesville staff to determine the feasibility of requiring local developers to purchase water quality credits from local nutrient banks.

Infrastructure Management:

- Made substantive repairs of County-owned stormwater facilities (Church Rd Basin and Woodbrook Lagoons)
- Bid opening for major maintenance and repair project at Colonial Basin; contractor: Finish Line Construction
- Continue to map area stormwater infrastructure using GIS, primarily using temporary staffing. The GIS includes various attributes characterizing the infrastructure. Staff have mapped approximately 14.2 miles of infrastructure during this period.
- Conducted new inspections of 52 private and public stormwater management facilities to ensure proper operation and maintenance by the owners.

Abbreviations

BMP – Best Management Practice (aka, stormwater management facility)

DCR - Virginia Department of Conservation and Recreation

DEQ – Virginia Department of Environmental Quality

DMME - Virginia Department of Mines, Mineral, and Energy

DOH – Virginia Department of Health

MS4 – Municipal Separate Storm Sewer System

TMDL – Total Maximum Daily Load (used to denote the process to clean up impaired waters)