

<b>Dept. of Facilities and Environmental Services</b>	<b>Albemarle County</b>
<b>Environmental Quarterly Report</b>	<b>Q4-FY18</b>

*This report includes environmental program updates for April, May and June 2018.*

**General:**

- In response to Board direction received at the April 11 work session, staff have concluded work related to the consideration of a stormwater utility.

**Environmental Compliance:**

- Parks and Recreation Chris Green Lake Park, Greenwood Community Center, 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.
- ACPD Regional Firearms Training Facility waterworks system successfully met DOH water quality testing standards for quarterly bacteria test and monthly metered usage.

**Local Climate Action Planning and Energy Management:**

- Presented a plan for developing a Climate Action Plan to the Board of Supervisors on June 6, 2018.
- Utilizing Innovation Funds, completed a procurement 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. A contractor – Sigora Solar – has been selected. Installation is anticipated in the summer of 2018.

**Solid Waste and Recycling:**

- Division staff continue to support the Solid Waste Alternatives Advisory Committee (SWAAC). SWAAC submitted Semi-Annual Report covering activities January – June 2018 for the August 1, 2018 Board of Supervisors Consent Agenda.
- The Committee has been primarily involved in evaluating public education and outreach opportunities using funding provided through the Facilities and Environmental Services Department, culminating in the hiring of Ty Cooper, of Lifeview Marketing and Pictures, to prepare two videos for the Committee and County staff to use for public education. The first video focuses on the recent transition to single stream residential recycling offered by private haulers, as well as other local recycling opportunities. The second video looks ahead to future Sustainable Material Management initiatives that were approved by the BOS in 2015: additional recycling centers; county/city composting program; expand curbside recycling within HOAs.

**Water Quality Protection:**

- Completed design of several water quality capital projects, including two stream restoration projects. Requests for bids will be issued during the months of July and August. Construction is expected to begin this summer.

- Began responsibility for the operation and maintenance of the Branchland Basin (corner of Greenbrier and Hillsdale) following reconstruction by the City as part of the Hillsdale Extension roadway project.
- Working with Park and Recreation Department and the TJSWCD to investigate and attempt to address possible sources of nutrients causing the algae bloom at Chris Green Lake.
- Continuing technical support for Rivanna Conservation Society's StreamWatch monitoring program throughout the Rivanna River basin.
- Successfully resolved an illicit discharge complaint in the Woodbrook neighborhood.

#### **Infrastructure Management:**

- Developing data, processes, procedures, and agreements to initiate drainage system assessment in a pilot watershed. The pilot watershed includes much of the area encompassed within the Hydraulic/Rio Road loop and the Fashion Square Mall and Glenwood Station properties. The contractor – Tri-State Utilities Company – is anticipated to access approximately 20,000 linear feet of pipe during the month of August.
- Substantially completed maintenance and repair work at the Colonial Basin using Finish Line Construction
- Conducted new inspections of 67 private and public stormwater management facilities to ensure proper operation and maintenance by the owners.
- Investigated a number of drainage issues – many due to the intense storms that occurred in late May – and provided assistance to property 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)

TMSWCD – Thomas Jefferson Soil and Water Conservation District