

Dept. of Facilities and Environmental Services	Albemarle County
Environmental Quarterly Report	Q4-FY17

This report includes environmental program updates for April, May and June 2017.

General:

- The Department of Environmental Quality (DEQ) audited the County's MS4 Program on May 30; this audit involved multiple departments. DEQ concluded that the County is compliant in most respects but issued a request for two minor corrective actions.
- Staff has been working with the consulting firm Amec Foster Wheeler on the development of a stormwater utility. Completed work includes developing an implementation process and schedule, settling issues related to processes and technologies, conducting staff brainstorming sessions to formulate draft rate and credit policies, and establishing a stakeholder advisory panel.
- The Division was informed of an \$85,200 grant award by the Virginia Department of Conservation and Recreation (DCR) to support the design of the Hollymead Dam spillway improvements.

Environmental Compliance:

- Chris Green Lake Park and Ivy Creek Natural Area well water systems both successfully met Department of Health water quality testing standards for bacteria.
- Parks and Recreation Department received new permits from Department of Health for existing well water systems at Beaver Creek Lake Park, Greenwood Community Center, Mint Springs Valley Park, Walnut Park, and Simpson Park.
- ACPD Regional Firearms Training Facility waterworks system successfully met Department of Health inspection and water quality testing standards for bacteria and metered usage.
- Facility inspections at COB McIntire, 5th Street, and ACPD Firearms Training Facility.

Energy Management:

- Energy Performance Contract program (Public Schools and Local Government)
 - This program, administered by the Virginia Department of Mines, Mineral, and Energy (DMME), couples government entities with pre-approved private energy service companies to finance and install energy conservation measures to achieve future energy cost avoidance.
 - The technical data and projects were presented April 18th to staff for the next steps. Both Schools and Local Government were presented with viable positive cash flow projects. June meetings were conducted with Executive Leadership and financial advisors. Project Contract would need to be signed by September 30, 2017. Therefore, it would need to be scheduled at School Board July 17, Board of Supervisors August 2 and September 6, 2017.

- The chart below represents “Baseline” energy comparisons to the most current 12-month average ending June, 30 2016 for the three county office buildings. The baseline year for energy is 2005. The change is represented in percentage from baseline annual usage; negative percent equals reduction in use and positive percent equals additional usage from baseline amounts.

	Electricity	Natural Gas	Total Energy
McIntire COB	- 35%	- 50%	- 41%
5 th Street COB	- 17%	-2%	- 14%
Court Square	- 12%	- 25%	- 18%
Combined	- 25%	- 30%	- 27%

- Staff and SolSmart advisor Tish Tablan submitted an application for SolSmart Bronze Designation through the certification program. This program focuses efforts within local government purview to ease and remove barriers to solar photovoltaic installations in the community. The US Department of Energy (DOE) and the International City/County Management Association (ICMA) sponsor the program.
- Staff are exploring the development of a program to facilitate long-term financing for private investments in clean energy projects. Staff participated in a public outreach event on June 15 at CitySpace to assess local demand for the program.

Solid Waste and Recycling

- Division staff are preparing an Invitation for Bids (IFB) for ongoing recycling services at the two County office buildings.
- Division staff continue to support the Solid Waste Alternatives Advisory Committee (SWAAC).

Water Quality Protection:

- Under new on-call contracts for professional services, the Division has initiated several task orders to begin design work on capital projects, including stream restorations and repairs or enhancements to existing stormwater facilities.
- A new temporary, part-time position filled during the previous reporting period has enabled the County to enhance the performance and appearance of many County owned/operated stormwater management facilities.
- Staff have executed additional MOUs with other County departments to meet DEQ MS4 Program expectations.
- In cooperation with the Department of Parks and Recreation and the Rivanna Conservation Alliance (formerly StreamWatch), staff have been finalizing the development of public-facing webmaps of water quality monitoring data.

Infrastructure Management:

- Staff continue to map area stormwater infrastructure using GIS, primarily using temporary staffing. The GIS includes various attributes characterizing the infrastructure. Staff have already mapped approximately 200 miles of infrastructure in the urban areas and estimate that 70% of the infrastructure has been mapped.

- Staff conducted new inspections of 170 private and public stormwater management facilities to ensure proper operation and maintenance by the owners.
- Several small drainage infrastructure maintenance and repair projects were completed.

Staff Development and Training:

-
-

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

MS4 – Municipal Separate Storm Sewer System

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