

## Birch Creek and Dan River Watersheds TMDL Implementation Plan

### First Public Meeting

August 29, 2017, 6:00 p.m. - 8:00 p.m.

Danville Regional Airport Eastern Conference Room, Danville, VA

1. Introduction- Paula Main
  - Introduction of participants- name and affiliation
    - Need volunteers to be a part of the different working groups— residential, Ag, and government
    - Throughout the presentation think about your willingness to participate. We will fill out cards near the end
2. Presentation- Louis Berger
  - Goal is to develop a plan to clean-up the stream
  - The presentation addressed the overall project plan and process, reviewed the TMDL, Public participation overview and implementation plan development timeline
  - Review TMDL
    - TMDL has been completed but this meeting represents the beginning of the Implementation Plan
    - Explanation of the Total Maximum Daily Load (TMDL)
    - Relevant water quality standards—E. Coli standard is geometric mean 126cfu/100mL and 235 CFU/100 mL instantaneous standard
    - Two relevant TMDL reports: [Birch Creek bacteria TMDL in 2004](#) and [Dan River bacteria TMDL in 2008](#)
    - TMDL is what we need to do and IP is how.
    - IP guidance manual will be used to formulate IP
    - Goals= reduce pollutants,, restore waterbodies to attain use standard, and delist from 303(d) list
    - Requirements: data of expected achievement, measurable goals, corrective actions, associated costs, benefits and environmental impact
  - Watershed overview- TMDL describes sources but modifications will be made to WLA, LA
    - Updates will be made to land us/cover
    - Overview of sources- humans, livestock, wildlife, and pets
  - Public participation- 2 public meetings and working group meetings, steering committee meeting during draft stage
    - Responsibilities= review implementation constraints,
    - Next steps= working groups- Agricultural, Residential, and Governmental
      - AG= implementation strategies from agricultural perspective
      - Residential= evaluate corrective actions, outreach from homeowner's perspective
      - Government= identify regulatory controls in place, measure goals and timeline for achievement

- Steering committee= meet one time during plan, review results, address community concerns/suggestions
- 1<sup>st</sup> working group meetings in Oct. 2017; 2<sup>nd</sup> meeting Feb. 2018; Final report/ public meeting in May
- Questions
  - What does sewage sludge refer to?
    - Considered industrial waste
  - How recent is the data?
    - These sites were sampled recently and still listed on the 303D list
  - Are the sources weighted equally or ranked?
    - Yes, land use is factored in and how much E. coli per animal is taken into account in the modeling.
  - What are the residential processes referring to?
    - Failing septic systems
  - What is the success rate for these IPs?
    - Compared to many states VA has been very successful in delisting waters
  - What are the harms of high levels of E. Coli- human health concern but also a concern with groundwater and irrigation practices?
    - Major concern is for human health and that's how the standards were designed but E. Coli can effect groundwater and crops irrigated with high E. coli concentration water.
  - Concern about locating exactly where biosolids are spread and can't find information from DEQ
    - Locations where biosolids are applied are in the applicators permit but must be accessed via a FOIA request.

Contact James Moneymaker if you are interested in being on a working group or have any questions:

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**Meeting Adjourn**