



County of Fairfax, Virginia

MEMORANDUM

DATE: February 1, 2017

TO: Board of Supervisors

FROM: Kambiz Agazi
Environmental Coordinator

SUBJECT: Summary Notes for Environmental Committee Meeting of October 11, 2016

Attendance:

Fairfax County Board Members:

Board Chair Sharon Bulova
Committee Chair Penelope A. Gross, Mason District
Supervisor John Cook, Braddock District
Supervisor John Foust, Dranesville District
Supervisor Pat Herrity, Springfield District
Supervisor Cathy Smith, Sully District
Supervisor Linda Smyth, Providence District
Supervisor Dan Storck, Mount Vernon District
Supervisor Cathy Hudgins, Hunter Mill District

Others Present:

Ed Long, CEX
Dave Molchany, CEX
Rob Stalzer, CEX
Kambiz Agazi, CEX
Marcia Pape, BOS, Braddock District
Goldie Harrison, BOS, Hunter District
Randy Bartlett, DPWES
Shahram Mohsenin, DPWES
James Patteson, DPWES
Juan Reyes, DPWES
Judy Fincham, DPWES
Emily Burton, DPWES
Noel Caplan, DPZ
Ken Lanfear, EQAC
Stella Koch, EQAC
David Kepley, FACS
Ellen Volo, Government Relations
Marc Gori, OCA
Frederick Stuhrke, Virginia Center Lake Maintenance Assoc.

The following is a summary of the highlights of the discussion from the **October 11, 2016** meeting.

AGENDA

Item I Supervisor Gross called the meeting to order at 1:05 p.m.

A Review of Meeting Summary (May 24, 2016) was presented and accepted into the record.

Item II Environmental Vision Update Process: Overview of public input received through the on-line survey and the July 2016 public meetings

Kambiz Agazi, Environmental Coordinator, CEX
Noel Kaplan, Senior Environmental Planner, Planning Division, DPZ

Kambiz Agazi and Noel Kaplan provided a general overview of community involvement and the results of the public survey and community meetings that took place in June and July of 2016.

Kambiz provided the committee with a schedule of activity and events regarding past and future community involvement. Future activity included working with both Board member offices and EQAC prior to posting a draft Vision on the county's dedicated web page for public review and comment, which is anticipated early next year.

Noel Kaplan provided an overview of the results of the online survey and public meetings. The presentation included the number of respondents and participants and an overview of the categories identified based on the participation.

Responses to questions from the board's committee:

Gross January 2017 staff intends to publish a draft on-line?

Kambiz Before we publish, staff will touch base with the BOS offices and EQAC.
Also, Sustainability Initiatives FY 2017 now live on county web page.
This is the new version and is downloadable in PDF format.

Noel This presentation is identical to that posted on the county's dedicated web page.
On-line survey and a series of public meetings. All comments now displayed for
easy review. Every comment posted.

Smyth Had a question about LED blue lights being hard on eyes.

Gross Staff will need to look at standard.

Item III Public Maintenance of Private Storm Water Management Facilities

Karlee Copland, Chief, Maintenance and Stormwater Management, DPWES

Karlee provided the committee with a recap of a conversation staff has had with the committee since 2013 regarding the issue of the county looking to take over maintenance of certain qualified stormwater management facilities.

The presentation highlighted that currently the county is only considering residential wet and dry pond facilities located on HOA property or specified outlots. It's estimated that the total number of facilities admitted into the program would be less than 20 per year. It was also mentioned that once the voluntary program is approved, new pond facilities will be given the option during development to be publicly maintained.

Some additional program highlights included:

1. Voluntary program to include residential wet and dry ponds on outlots are eligible.
2. Facility must be in "functional" condition before transfer.
3. Cost-Share Program.
4. Extensive program outreach.
5. Ongoing maintenance responsibilities defined.

Responses to questions from the board's committee:

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| Gross | It has been a year since the Board last discussed this item so today will be an update. DPWES will bring this back at the next Environmental Committee meeting prior to it being a regular board item. |
| Cook | Don't agree with the county tax payers taking over and fixing private properties however maybe the county can provide assistance under a contract similar to the county trash service. I do like the county's contractors list. |
| Storck | List of contractors is a wonderful list. Try to connect the list with some of the data we already have for those companies such as information in Consumer affairs. |
| Randy | Next steps, staff will prepare a memo – explaining: The communities that have already requested assistance. Discuss the impacts off site drainage on some facilities. Discuss off site credits. Discuss contract options with the County Attorney. Offer individual briefings to Board members and plan to come back at the next BOS EC meeting. |

Item IV Stormwater Updates – Consolidated MS4 Program Plan and Annual Report, Upcoming Draft TMDL Action Plans

Kate Bennett, MS4 Program Coordinator, Storm Water Planning, DPWES

Kate provided updates on the status of MS4 permits in Virginia, which have now all been renewed.

The county's renewed permit required an update of the MS4 program plan, and staff used the efforts that had gone into the tactical planning process to re-engage the agencies and partners involved in implementing the MS4 program. The updated program plan was submitted to DEQ on September 30, 2016.

Kate also provided a brief update on the Chesapeake Bay TMDL Action Plan being developed by the county and on the 2017 mid-point assessment of the Chesapeake Bay TMDL. The county is also developing TMDL Action Plans for local TMDLs.

Finally, Kate provided an update on the replacement TMDL for Accotink Creek, which will be developed for sediment and chloride (primarily from road salts).

Responses to questions from the board's committee:

- Gross EPA is working with state and local governments to determine how much progress has been made toward the Chesapeake Bay restoration goals. Virginia is taking the lead and working with local governments to develop a Phase III watershed implementation plan (WIP).
- John Cook Would street sweeping help with Road salt? Street sweeper leaves behind a lot of sediment.
- Kate At the frequency that the county currently sweeps, the Majority of chloride is washed away before sweeping occurs.
- Randy We'll be looking at a lot of options.
- Smyth Offsite credit – are we seeing more of those? How many more builders are asking for those?
- James We're starting to see a lot of them.
- Foust Credits for stream restoration - we're having a hard time getting those.
- Bartlett 2010 – we couldn't get them. Stream restoration – most cost effective way. The amount of credits we're getting has changed. With local stream TMDLs – we actually get more credit.

Item V **Stormwater Program Business Plan Development**
James Patteson, Director, DPWES

James indicated in his presentation that the stormwater program business plan was a multi-year plan with the goal of documenting stormwater program drivers, needs and wants. It was anticipated that the kick-off for the business plan would be June 2017.

Responses to questions from the board's committee:

Q/A – none

Item VI **Virginia Tech/Old Dominion University Stormwater Research Center**
James Patteson, Director, DPWES

James indicated that staff has been working with Virginia Tech on the idea of developing a Center for Stormwater Research to help advance the science of effectively treating stormwater. Currently no such center exists in Virginia. The main purpose of the center would be to:

- Improve the science of stormwater to facilitate better decision making on what practices provide the best bang for the buck.
- Promote studies / information on performance of practices over time and what maintenance protocols should be employed.
- Create a partnership between the Commonwealth, local governments, VDOT, the private sector, and state universities to support a research center to better address national and state clean water goals.

James indicated that ultimately the research center would be used by the Commonwealth to guide future decision making in ordinance and permit requirements and:

- Improve the science – with improved knowledge comes better decision making, smarter investments, and more predictable outcomes.
- Support adaptive management feedback – with DEQ partnership and stakeholder governance research will be directed and utilized to improve implementation of clean water goals.
- Provide credibility of results - state universities bring an unbiased and heightened scientific rigor to the research efforts and performance results.
- Prepare future thought leaders – partnership with the universities will fund graduate level research that will help prepare future leaders.

- Provide for a path forward for innovative practices and technology development – research center can support the acceptance of innovative practices.
- Provide a Virginia solution to water quality issues unique to Virginia.
- Provide outreach and education to the practicing community.
- Foster stakeholder partnerships.

James indicated that the next step would be to draft a bill which the county could support.

Responses to questions from the board’s committee:

- Gross Draft a bill to put together a Virginia Center populated with local jurisdictions?
- Bulova Research Center housed in Virginia Tech?
- James Also talking with Old Dominion University because they have a strong Tidewater presence.
- Storck Are there other models?
- Dr. Tom Yes – State of Washington
- Storck Similar design?
- Dr. Tom Yes
- Storck How long have they been in business?
- Dr. Tom 10 – 15 years
- Herrity On the surface, I like it. I need to look a little more at it.
- Foust We also have a Virginia Tech campus – why Blacksburg?
- James We’re having meetings later this month with Blacksburg
A goal of a Tidewater, NOVA and Blacksburg presence.
Definitely only us would be in the Northern Virginia area.
- Gross DPWES Director has asked for permission to continue with the study. Any objections with James moving forward with discussions? Okay everybody clear? Good.

Item VII Overview of the County's Wastewater Asset Management Program and CIP Prioritization

Randy Bartlett, Deputy Director, DPWES

Randy outlined the county's wastewater asset management program which includes the goal of establishing appropriate balance between optimal cost and desired level of service at acceptable risk level. This translates into cost effective decisions on maintenance, rehabilitation and replacement

Responses to questions from the board's committee:

Q/A - none

Item VIII Small Private Sewer Main

Randy Bartlett, Deputy Director, DPWES

Randy provided background into an issue with undersized sewer lines located in roughly 18 Subdivisions in the county and constructed between 1965 and 1984. The smaller lines (5") were permitted to be installed in lower to moderate income housing. The lines were not part of county system and privately maintained.

Responses to questions from the board's committee:

Bulova Explained how back in time developers were allowed to build sub-standard stuff as an incentive.

Cook/Gross A review of potential liability and responsibilities should be performed by the CAO

Item IX Wastewater Education and Community Outreach Program

Juan Reyes, Director, Wastewater Management Environmental Services, DPWES

Presentation provided an overview of the Wastewater Management Program's (WMP) community-based outreach and school-based education programs that aims to (1) inform county residents about wastewater management and the importance of sustainable water quality, and (2) stimulate interest in science and technology and promote professional and trades career opportunities in the field for students in the Fairfax County Public School system.

Responses to questions from the board's committee:

Chairman Bulova expressed her appreciation for these efforts and complemented the program for its successes. She requested that WMP work with her office to produce a summary of these

efforts that could be published in her monthly newsletter, the Bulova Byline. The article was published in the November 2016 edition at: <http://myemail.constantcontact.com/November-Bulova-Byline.html?soid=1110463407829&aid=knm6d46EbWk>

Meeting adjourned at 3:15p.m.

Next Meeting is Tuesday, February 7, 2017, at 10:00 a.m.