



## AGENDA

### Potomac River Basin Drinking Water Source Protection Partnership

**August 17, 2017**  
**10:00 a.m. – 2:00 p.m.**

Interstate Commission on the Potomac River Basin  
30 W. Gude Drive  
Rockville, MD 20850  
Lower Level Conference Room

#### **10:00 am – Welcome and Introductions**

Lisa Daniels, Pennsylvania Department of Environmental Protection

#### **10:10 am – DWSPP Strategic Plan Update - Pam Kenel, Loudoun Water (1hr 50min)**

- DWSPP Strategic Plan Review and Update
- Results from June 19<sup>th</sup> Strategic Plan Review Meeting
- Workgroup Strategy, objectives, makeup, and discussion

#### **12:00 noon – Lunch**

#### **1:00 pm – Workgroup Strategy, wrap-up - Pam Kenel, Loudoun Water (15min)**

#### **Active project updates**

- Forest cover/treatment cost study update – Heidi Moltz, ICPRB (20 min)
- Monocacy-Catoctin spill exercise – Pat Bowling, PaDEP (5 min)
- Algae workshop status - Cathy Magliocchetti, EPA (5 min) Spill Monitoring Plan Development – Niffy Saji (5 min)
- NPDES permit renewals, NRG and Luke Paper Co. – Jim Palmer (5 min)
- WaterSuite governance – Steve Bieber, MWCOG (5 min)
- 2018 Work Plan – Jim Palmer, ICPRB (5 min)
- Other On-going efforts

#### **2:00 pm - Adjourn**

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Potomac DWSPP Annual Meeting:  
**Wednesday, November 15**



# Potomac River Basin Drinking Water Source Protection Partnership

Quarterly Meeting Summary for August 17, 2017  
Location: ICPRB Office, Rockville, Maryland

## Attendees

### Utilities

Berkeley County:  
Steve DeRidder

Fairfax Water:  
Greg Prelewicz  
Niffy Saji

Loudoun Water:  
Cathy Cogswell  
Pam Kenel

Washington Aqueduct:  
Anna Hayden  
Tom Jacobus  
Anne Spiesman

Town of Leesburg:  
Russell Chambers

WSSC:  
Julie Karceski  
Jin Shin  
Priscilla To

### State and Local Agencies

DOEE:  
Joshua Rodriguez

MDE:  
John Grace  
Robert Peoples

PA DEP:  
Patrick Bowling  
Lisa Daniels  
Kristina Peacock-Jones

WV BPH:  
Alan Marchun  
Monica Whyte

VDH-ODW:  
Aaron Moses

### Federal and Regional Agencies

EPA Region 3:  
Cathy Magliocchetti  
Karrie Crumlish

ICPRB:  
Renee Bourassa  
Curtis Dalpra  
Carlton Haywood  
Heidi Moltz  
Jim Palmer

MWCOG:  
Steve Bieber

USGS:  
Mat Pajerowski

### Other

Cacapon Institute:  
Frank Rodgers

Upper Potomac  
Riverkeeper Network:  
Brent Walls

## Welcome and Introductions

*Lisa Daniels, Pennsylvania Department of Environmental Protection*

## Business Meeting

### 1. DWSPP Strategic Plan Update

*Pam Kenel, Loudoun Water*

A small group of DWSPP members met on June 19<sup>th</sup> to discuss updates/changes needed to the partnership's framework and Strategic Plan documents.

#### **A. Areas to explore:**

##### **a. Membership**

Ideas include: identify potential members (possibly outside of the utilities/gov't organizations), provide a variety of ways for non-members to engage with the group, partnerships that are not fee-based, committees/advisory groups outside of the members, bring in experts serving in an advisory capacity.

##### **b. Operations**

Should specific programmatic goals be mentioned? Should the special and specific intent of the annual meeting be described in the documents?

##### **c. Fees**

What should be included in this section since fees are not currently mentioned?

##### **d. Threats**

Keep them general or list them for institutional knowledge?

The "dots" exercise in the June 19<sup>th</sup> meeting identified the top priorities as (in order): emergency response/early warning, dialogue between agencies/utilities/others, monitoring and data sharing, emerging contaminants, research activities/new initiatives, and agricultural issues.

#### **B. Discussion:**

Transportation was not included in previous list of threats.

Further clarification is needed on the responsibility of DWSPP communications during an emergency response/early warning. Does DWSPP provide information to the public or to the agencies involved? Carlton Haywood suggested that "emergency response" should be fully defined. Lisa Daniels noted that "emergency response" and "early warning" are actually two different things and should be considered as such.

Anne Spiesman suggested an annual discussion on workgroup priorities.

### **C. Partnership Objectives**

There were seven objectives in the 2005 Strategic Plan. At the June 19th meeting, the group combined them into 4 objectives:

1. Identification of regional priorities
2. Coordination of efforts
3. Establish/maintain dialogue among systems
4. Identification and development of new initiatives

How has DWSPP been effective as far as these objectives?

Identification of regional priorities have been effective in the Metro D.C. area but looking outside the centralized location is an area of opportunity.

### **D. Final Notes on Strategic Plan/Framework**

Mission, Vision, and Principles of the group are good, but the operational documents need to be updated. Fees, workgroups, and priority projects need to be examined and discussed.

Ideas that were discussed: Focus on workgroup restructuring, working outside the quarterly meetings, leadership, having educational seminars/meetings outside of the quarterly meeting.

Next iteration of the strategic plan should concentrate on marrying the priority projects and the workgroups, possibly designed to have a 6-year outlook. Each workgroup would have a workplan with a defined timeframe (possibly 1-2 years). This would be re-evaluated on a regular basis. Priority projects could run across workgroups. It was discussed that flexibility is important in the workgroups as well as priority issues as those topics are dynamic.

Greg Prelewicz suggested that workgroups should have a mix of government and utilities members. It was discussed at the June 19<sup>th</sup> meeting that the workgroups could benefit from bringing in people from outside organizations when specific issues warrant the need.

Washington Aqueduct put together a diagram on work products and issue tracking and education as they relate to workgroups.

Government and utility committees will meet on an as-needed basis on specific issues.

Bringing in outside organizations and experts needs to be discussed.

### **E. Action Items**

A conference call is to be scheduled to discuss bringing in outside organizations and/or experts.

Jim Palmer will send out a survey to DWSPP members to identify the group's priority issues. Once priorities are identified, the workgroup reorganization will begin.

A group of 4-5 people will meet to hash-out the changes to the framework documents. Pat Bowling, Cathy Magliocchetti, and Pam Kenel volunteered for the group.

A PDF of the PowerPoint presentation can be downloaded [here](#).

## **2. Cacapon Institute**

*Frank Rodgers, Director*

Cacapon Institute was formed in 1985 to protect and preserve the Cacapon River and has since expanded to a more regional organization. The organization monitors the Cacapon River. The area has the fastest rate of urban growth in the Chesapeake Bay watershed. The Cacapon Institute is also the coordinating organization for the Potomac Watershed Partnership.

Carlton Haywood asked about the Save the Water Harper's Ferry project. The first meeting is coming up in September. It is a watershed-wide perspective that looks at the overlap between the Harper's Ferry Source Water document and the Elk Run Watershed Plan to target money at the most effective projects. Curtis Dalpra is the ICPRB representative on the project.

## **3. Potomac Riverkeepers**

*Brent Walls, Upper Potomac Riverkeeper*

There are three riverkeepers in the Potomac Basin. Potomac Riverkeeper, Upper Potomac Riverkeeper and Shenandoah Riverkeeper. In addition, a Lower Potomac Riverkeeper may be added in the near future. The Riverkeepers are a non-profit advocacy organization to protect the Potomac River and its tributaries. They monitor the river, current legislation, permit applications, and more. They also respond to tips from the public regarding pollution and other issues. The organization can be a partner in funding for future DWSPP projects/research.

Jim Palmer asked if the Riverkeepers collect water quality data. Mr. Walls replied that they do collect data, but it is generally for legal action or to figure out a pollution source.

## **4. Annual Meeting**

*Jim Palmer, ICPRB*

The annual meeting will be held in D.C. at a location TBD. Jim requested suggestions for topics for the annual meeting in November. They can be emailed to him at [jpalmer@icprb.org](mailto:jpalmer@icprb.org).

## **5. Forest Cover/Treatment Cost Study Update**

*Heidi Moltz, ICPRB*

The major research questions: Do forests play a role in source water quality conditions (nutrients, TOC, and sediments) in the Potomac River basin? If so, what is the relationship between forests and drinking water treatment costs?

The technical aspect of the study will be wrapped up soon. The draft report is coming out this October. A presentation to AWRA Annual Conference will be in October. The final report will be available in January, 2018. The project is scheduled for completion in October, 2018.

The research looked at five different water quality scenarios: (1) baseline for CBP projected land-use for 2030, (2) conserving 50% of the forestland expected to be lost between now and 2030, (3) conserving 100% of the forestland expected to be lost between now and 2030, (4) protecting riparian areas at current state and county requirements, and (5) protecting riparian areas within 100 feet of the Potomac and major tributaries. The water quality conditions were translated into dosages for treatment chemicals used by utilities. The largest daily difference in dose from Scenario 1 was calculated at 1.60%. The cost savings, on average, are ~\$1.00 per acre/year. While these results may make the economic rationale for forest protection appear limited, this section of the research narrowly focused on the economic impacts that forest protection has on drinking water utility treatment chemicals. To this end, the take-home message of this task will be carefully prepared in collaboration with participating utilities, the Project Advisory Committee, and the WRF.

Alex Gorzalski of Washington Aqueduct analyzed the potential capital costs associated with the five scenarios and found that the scenarios are unlikely to trigger the need for capital improvements. Substances influenced by forest cover that are not treated by current conventional means (e.g. chlorides, bromides, perchlorates) may trigger costly capital improvements.

Several potential future research opportunities are being discussed as follow-up to this study, with potential funding mechanisms available through WRF. Heidi will send out a Doodle Poll to schedule a conference call for those interested in discussing future research opportunities and how to proceed.

Greg Prelewicz commented that this project has furthered the ball in these big picture issues and is a project that can be built on for further modeling.

## **6. WaterSuite Governance**

*Steve Bieber, MWCOG*

An agreement among the utilities for WaterSuite funding for the coming year is completed. A Concept of Operations and User Agreement is in draft form and being reviewed now and

should be in final form soon. The WaterSuite Users Group had their first call in July. These calls address what is working, what is not working, etc. Fairfax Water has added coverage of the Occoquan watershed to the WaterSuite agreement and will fund this effort independently.

## **7. Monocacy-Catoctin Spill Exercise**

*Pat Bowling, PaDEP*

Planning for a table top spill exercise is nearly complete with the assistance of EPA Region-3 and Headquarters, MDE, PaDEP, and Adams County Emergency Services Department. The workshop and spill exercise will be in Gettysburg, Pa., on September 12<sup>th</sup> at the Adams County Emergency Services building. Monocacy-Catoctin and upper Potomac water systems are invited. The group is working on getting Continuing-Education credits for the event.

## **8. Algae Workshops Status**

*Cathy Magliocchetti, EPA Region 3*

See “Upcoming Events” below for the listed events.

Lisa Daniels asked if the EPA would be amenable to a line item in Section 106 workplans titled “General/Technical Sessions TBD” for easier funding approval for workshops. EPA representatives indicated that should be OK.

## **9. Spill Monitoring Plan Development**

*Niffy Saji, Fairfax Water*

The last conference call was at the end of June. A framework/guideline was developed for spill monitoring, including all different aspects, identification, boots on the ground, etc. A sampling kit was created. The next step is to put all these pieces together to present to the larger group. The next conference call is the first week of September.

## **10. NPDES Permit Renewals, NRG and Luke Paper Co.**

*Jim Palmer, ICPRB*

An email was sent out to the members about these two permits that are up for renewal. A copy of the permit application and a background document were attached. At this point, comments should be submitted by individual organizations rather than collectively under DWSPP letterhead..

Potomac Riverkeeper Network has requested a public hearing which will extend the commenting period. Their comment on the Luke Paper Co. NPDES requests that the permit require specific communication to be shared with relevant organizations during a spill.

## **11. 2018 Work Plan**

*Jim Palmer, ICPRB*

A draft Work Plan was sent out for review. Membership fees have increased by 5 percent. Any requested changes should be emailed to Jim Palmer at [jpalmer@icprb.org](mailto:jpalmer@icprb.org). The 2018 Work Plan and fiscal year 2018 budget was approved by consensus.

## **12. Upcoming Events Mentioned in the Meeting**

August 24-25: Algae ID Workshop for Water Professionals at George Mason University.

September 8<sup>th</sup>: [Cyanobacteria Identification Workshop](#), Hood College, Frederick, Md. Registration is closed but please let them know you are interested and they may plan a second workshop.

September 9<sup>th</sup>: Cacapon Institute Annual Paddle from Great Cacapon to Hancock, Md.

September 12<sup>th</sup>: Spill response table-top exercise at Adams County Emergency Services Center - Gettysburg, PA. The spill scenario is an accident-related release of diesel fuel into Marsh Creek.

September, every Tuesday: Remote Sensing of Harmful Algal Blooms: One-Hour Webinars on each Tuesday in September, U.S. EPA

November 11-17: 9<sup>th</sup> Annual Symposium on Harmful Algal Blooms in Baltimore, Md. Dr. Todd Miller will talk about cyanobacteria in lakes and drinking water impacts.

November 15<sup>th</sup>: Annual DWSPP meeting in Washington, D.C.

December: Nutrients and Harmful Algal Blooms, 3-day workshop. Topics: Water quality standards, nutrient criteria, drinking water treatment and monitoring aspects