

WORKSHOP

Nutrient Trading & Implications on Mid-Atlantic Waters



A Look At Nutrient Trading in the Mid-Atlantic

- ◆ What is nutrient trading?
- ◆ Do we have enough science to ensure its effectiveness?
- ◆ Will it meet state water quality goals?
- ◆ Are there any efforts in the Mid-Atlantic?
- ◆ What do we need to do to make nutrient trading work?

While water quality credit trading can produce economic and water quality benefits, it may not be the best solution in every watershed. Designing trading programs to achieve desired outcomes and ensuring that they accurately measure those outcomes is a key to successful implementation. This workshop will introduce the audience to the theory of water quality credit trading, its goals, and the implications of putting trading into practice on Mid-Atlantic waters. Presentations will also provide updates on efforts to develop trading programs in the Chesapeake Bay watershed and suggest the necessary steps to make these programs successful.

March 22, 2007

8:00 a.m.—4:00 p.m.

**Holiday Inn Frederick - Ft. Detrick
999 W. Patrick Street
Frederick, MD 21701**

For room reservations please call Karen Gibbs at (301) 570-0800 x153

Room Rate: \$89.00 plus taxes and fees

**CONTACT: Jake Vandevort, Mid-Atlantic Water Program
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NUTRIENT TRADING WORKSHOP

March 22, 2007

- 8:00 am **Registration and Morning Refreshments**
- 8:30 am **Welcome** *Doug Parker, University of Maryland*
- Brief overview of the Mid-Atlantic Regional Water Program and the day's agenda
- 8:40 am **Why Trading? Why Now?** *Doug Lipton, University of Maryland*
- Trading as a tool in pollution control (air and other markets)
 - Reaching limits in pollution control
 - Population growth in the region
- 9:00 am **Key Economic Ideas for Water Quality Credit Trading Programs** *Marc Ribaldo, USDA Economic Research Service*
- What is trading?
 - Elements of a trading program
 - Scope of program
- 9:30 am **Evaluation of Trading Programs** *Doug Parker, University of Maryland*
- What are the goals of a trading program
 - How do we define and evaluate success?
- 10:00 am **Break**
- 10:15 am **Alternative Non-Point Source Trade Partners** *Kurt Stephenson, Virginia Tech*
- Trading outside of agricultural BMPs (e.g. Stormwater, Tidal wetland restoration, stream restoration, oysters ...).
- 10:45 pm **Moving to Practice with Limited Science: Challenges in Implementing Water Quality Trading Programs in the Mid-Atlantic** *Jim Shortle, Penn State*
- Theory versus practice of water quality trading
 - Achieving reliability in water trading programs
- 11:15 am **Trading Implications on Tributary Strategies** *Stakeholder Panel (Beth McGee, Chesapeake Bay Foundation; Russ Perkinson, Virginia Department of Conservation & Recreation; Mark Dubin, University of Maryland/Chesapeake Bay Program)*
- If you allow trading of items listed in Tributary Strategies, where are the offsets coming from?
 - What should be the baseline for trading where Tributary Strategies exist?
 - Can a trading program work for multiple pollutants.
 - How do we make sure trades are worthwhile?
- 12:15 pm **Lunch**
- 1:15 pm **EPA Trading Policy** *Ginny Kibler, US EPA*
- History of Water Quality Trading Policy
 - Purpose of Trading Policy
 - Current National Status of Trading Programs
- 1:45 pm **NRCS Trading Policy and the Proposed NRCS/EPA Pilot Trading Project within Chesapeake Bay Region** *Carl Lucero, USDA NRCS*
- USDA/NRCS Trading Policy
 - Current Status of Proposed Pilot Program
- 2:15 pm **Mid-Atlantic Trading Activity** *Jim Pease, Virginia Tech*
- Current Trading Policy in Mid-Atlantic States
 - Trading Activity in Mid-Atlantic States
- 2:45 pm **Potential for Trading in Mid-Atlantic Region** *Stakeholder Panel (Cy Jones, CH2M HILL; Bob Rose, US EPA; Dennis King, University of Maryland Center for Environmental Science)*
- Can trading help us obtain water quality goals in the Mid-Atlantic?
 - What would a successful program in the Mid-Atlantic look like?
 - What is preventing us from having a successful program?
 - What is needed to make progress?
- 3:45 pm **Closing Comments** *Doug Lipton, University of Maryland*
- 4:00 pm **Adjourn**



Registration Form

The registration fee for attending this forum is \$20.00/person.
Checks should be made payable to: University of Maryland

To register, complete this form and mail with check to:

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