



AG101 TRAINING

Potomac River Basin Drinking Water Source Protection Partnership August 21, 2008 USDA – Beltsville Agricultural Research Center Beltsville, MD

Goals of training:

- Establish a baseline of understanding about the beef cattle and dairy industry
 - Introduce the regulatory and political framework directed at the beef and dairy industries
 - Understand the economics and trends of agricultural livestock production systems
 - Start building a foundation of understanding that will allow the Partnership to devise a strategy
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8:00 am Registration and Refreshments

8:30 am Welcome and Opening Remarks

*Daphne Pee, Mid-Atlantic Water Program
John Grace, MD Dept. of Environment*

8:45 am *Cryptosporidium*: From Cattle to Surface Water

Presentation on *Cryptosporidium* and research that tracks its movement from the cattle to surface waters (30 minutes w/ Q&A)

Dr. Ron Fayer, USDA-ARS Beltsville Agricultural Research Center

9:15 am Understanding Farm Operations and Management

- Presentations on how the operation of these farms and the economic/political pressures that drive operational decisions

Beef Cattle Operations (30 minutes w/ Q&A)

Dr. John Currin, Virginia-Maryland College of Veterinary Medicine

Dairy Operations (30 minutes w/ Q&A)

Dale Gardner, Executive Director, Virginia State Dairymen's Association

10:15 am BREAK

10:30 am CAFO Permitting and Regulations

General Overview of CAFO Permitting (30 minutes w/ Q&A)

K.R. Young, Environmental Scientist, EPA Region 3

11:00 am CAFO Permitting and Regulations (cont'd)

- Presentations on state regulations and demonstrate differences across states

Virginia (20 minutes with Q&A)

Betsy Bowles, Coordinator, Animal Feeding Operations Program, VA Dept. of Env. Quality

Maryland (20 minutes with Q&A)

Patsy Allen, Coord., General Permits - Wastewater Permits Program, MD Dept. of the Env.

Pennsylvania (20 minutes with Q&A)
Jim Spontak, Program Manager, Watershed Mgt. Program, PA Dept. of Env. Protection

12:00 pm LUNCH

12:45 pm CAFO Permitting and Regulations (cont'd)

- Panel discussion of:
 - What is known about how these regulations may reduce run-off of *Cryptosporidium*,
 - What are the strengths and limitations of pollution reduction through these permitting processes, and
 - What are the biggest concerns with these limitations and what needs to be done to fix them

1:15 pm NRCS Conservation Programs and Best Management Practices

General overview of programs and best management practices (BMPs) promoted through federal cost-share programs (30 minutes with Q&A)
Eric Hines, NRCS District Conservationist

1:45 pm State Nutrient Management Programs and Best Management Practices

- Presentations on programs and BMPs promoted through state cost-share programs

Virginia (20 minutes with Q&A)
Russ Perkinson, Asst Director, NPS Programs, VA Dept. of Conservation and Recreation

Maryland (20 minutes with Q&A)
John Rhoderick, Dir. of Operations, Resource Conservation,, MD Dept. of Agriculture

Pennsylvania (20 minutes with Q&A)
Doug Goodlander, Director, Nutrient Management Program, PA Dept. of Agriculture

2:45 pm Cost-share Programs and Best Management Practices (cont'd)

- Panel discussion of:
 - What is known about how these BMPs may reduce run-off of *Cryptosporidium*,
 - What are the strengths and limitations of pollution reduction through these BMPs and cost-share programs, and
 - What are the biggest concerns with these limitations and what needs to be done to fix them

3:15 pm BREAK

3:30 pm TMDLs, Tributary Strategies, and Source Water Protection

Overview of TMDLs, TMDL implementation, and tributary strategies and their relevance to source water protection. (20 minutes w/ Q&A)
Ross Mandel, Interstate Commission on the Potomac River Basin

3:50 pm Wrap-up Discussion

4:10 pm Adjourn

