

Presentation to

NPS Plan Stakeholders

Meeting 1

October 31, 2013

Today's Meeting in Overview

- Primer on NPS Management Plans (5 minutes)
- Proposed CT NPS Plan Outline (5 minutes)
- Questions (5 minutes)
- Workshop Process

What's an NPS Plan and Why Update?

- Required for states to receive 319 grants
- Links impairments and improvements using nonregulatory methods
 - Grants
 - Watershed Planning
 - Technical Assistance
 - etc.
- Nonpoint source = no federal permit
- Regular updates, now is time!

EPA Guidance Requires

- Addressing key sources
- Establishing implementation recommendations and milestones
- Five-year plan with annual, trackable results

Project Schedule

Milestone	Task to be Completed the Week of the Following Dates
• Stakeholder Workshop	November 1, 2013
• Draft NPS Plan	November 29, 2013
• DEEP Work Team Meeting	December 6, 2013
• Revised NPS Plan	December 20, 2013
• Public meeting	January 10, 2014
• Comment summary and updated NPS Plan	January 24, 2014
• NPS Plan submitted to EPA	January 31, 2014

General Outline

- Executive Summary
- Background
- Planning Context
 - Relationship to Other Governmental Programs
 - Water Resource Management

General Outline—Major Source Categories

- Agriculture
- Silviculture (i.e., forestry)
- Resource Extraction (i.e., sand and gravel mining)
- Land Development and Planning for Development
- Materials Storage
- Boating Facilities and Activities
- Hydromodification and Habitat Restoration
- Climate Change
- Atmospheric Deposition
- Relationship of Energy Efficiency to Water Quality
- Pollution Prevention

General Outline—Watershed Management

- Watershed Management
 - Watershed Planning Process
 - Including Social Constructs and Input
 - Geographic and Management Priorities
 - Implementation Resources

General Outline—Results

- Summary of Recommendations, Five-Year Trackable Milestones, and Implementation Partners
 - Categorical Recommendations
 - Recommendation by Watershed
- Evaluation of Results
 - Monitoring, Modeling, and Other Methods of Measuring Results
 - Documenting Success for Agency Purposes
 - Communicating Success to Stakeholders and the Public
 - Adaptive Management

Common Recommendations

- Improve BMP guidance and regulatory control
- Prioritize assistance (tech and funding) geographically/categorically
- Encourage management innovation
- More sustainable management
- Enhance awareness and educate
- Outreach and technical assistance to partners
- Watershed planning
- Specific issues
- Economic approach (e.g., pollution credit trading)
- Measuring and reporting

Dot Selection and Café Workshop

DEVELOPING RECOMMENDATIONS

Introduction

- Discuss set up
- Conduct the café workshop
- Report and discuss results
- Add alternatives (if any are identified)

Purpose of the Café Workshop

- Examine your own ideas about nonpoint source management
- Have an open dialog about recommendations
- Leverage collective knowledge
- Lead to innovation and good decision making



Your Role as a Unique Participant

- Enter open conversation
- Listen more than speak
- Welcome differences
- Withhold judgment
- Avoid position taking
- Avoid being too PC



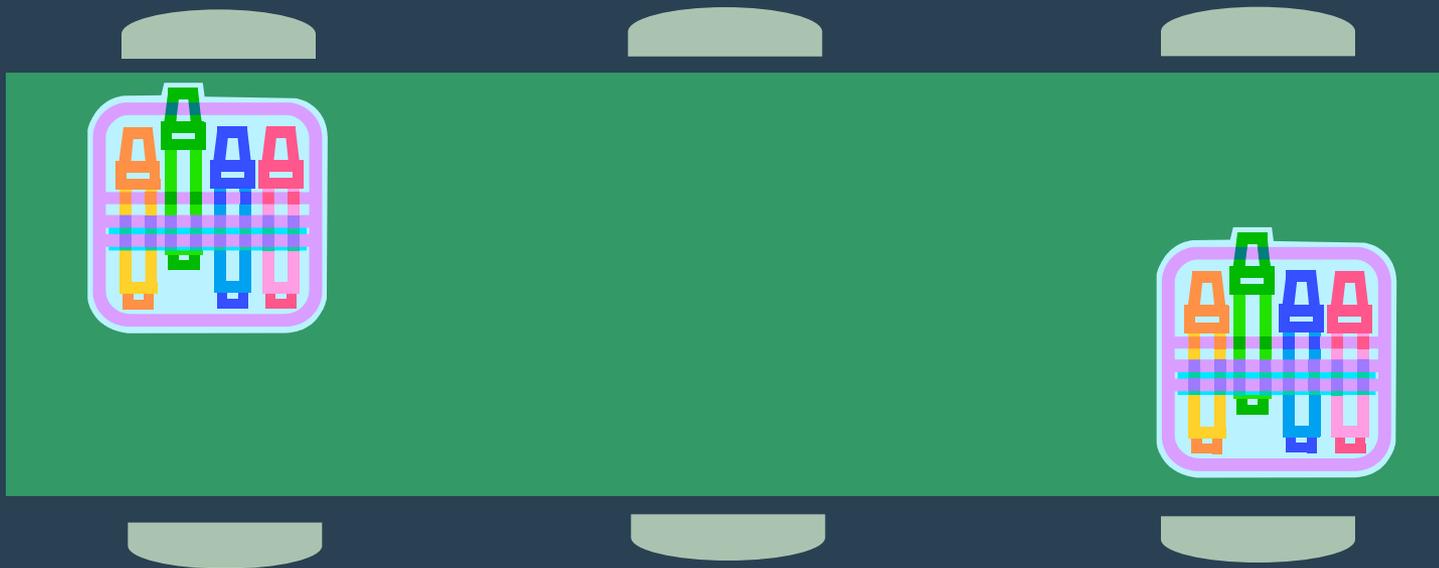
Cafe Workshop (90 mins)



- No specific leader.
- No note taker...Everyone writes.
- Split into groups (about 5 people per group) and pick a “reporter.”
- Open café (3 x 15 minutes).
- Document results (3 x 2 minutes).
- Reporter presents findings and notes any new alternatives (3 x 1 x 8 minutes)



Station Setup



Context for Discussion

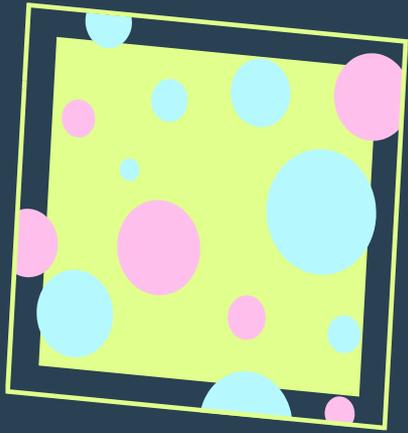
- Consider These Questions
 - *What's appropriate for Connecticut?*
 - *Do the example recommendations give you ideas for things that Connecticut should include in its NPS Plan?*
 - *Are the recommendations organized appropriately for your needs?*
 - *Are there categories of management or sources of pollution, which are not currently included, that you would like to see included?*
 - *Is there a simpler or more concise way to represent these recommendations that maintains the essential meaning?*

Dot Selection

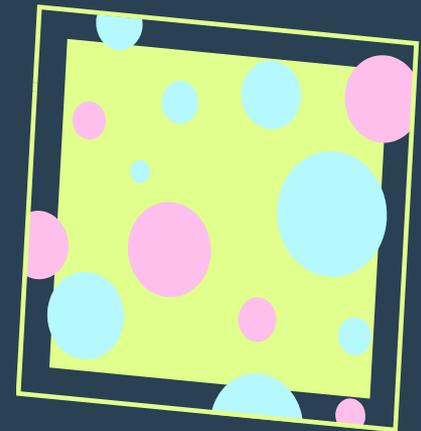
- You help develop recommendations for three sources
- Help DEEP make NPS management decisions
- Determine direction of NPS program for the next 5 years



Dot Selection(10 mins)



- You will be given 3 dots
- Write your initials on the dots
- Select your first source
- Consider results as a group
- Select next two sources



Dot-Voting Setup

Nonpoint Source Category	Select Your Three Preferred Source Categories (Place Your Dots in this Column)
4.1. Agriculture	
4.2. Silviculture	
4.3. Resource Extraction	
4.4. Land Development and Planning for Development	No Dots Here
4.4.1. Management of Runoff Quantity and Quality from Developed Areas	
4.4.2. Growth Planning and Creative Land Management	
4.4.3. Transportation	
4.4.4. Construction, Postconstruction, and Water-Quality Retrofits	
4.4.5. Lawn and Grounds Management	
4.4.6. Wastewater	
4.4.7. Land Disposal	
4.4.8. Underground Discharges	
4.4.9. Industrial	
4.4.10. Legacy Remediation and Brownfields	
4.4.11. Domestic Animals	
4.4.12. Wild Animals	
4.5. Materials Storage	No Dots Here
4.5.1. Storage Tanks	
4.5.2. Hazardous Materials	
4.5.3. Other Materials	
4.6. Boating Facilities and Activities	
4.7. Hydromodification and Habitat Restoration	
4.8. Climate Change	
4.9. Atmospheric Deposition	
4.10. Relationship of Energy Efficiency to Water Quality	
4.11. Pollution Prevention	

Agriculture Recommendations

- Field Office Technical Guide; other BMP manual?
- AFO/CAFO permitting/enforcement?
- Other regulatory controls?
- Integrated crop/pest management?
- Geographic targets?
- Work with NRCS, conservation districts, ag industry groups, interested farmers?
- Sustainable certification programs?

Silviculture

- Notification/permitting of cutting operations, particularly in wetlands?
- BMP manuals?
- In-field evaluations (e.g., spot checks)?
- Monitor operations and BMP effectiveness?
- Educate municipal officials?
- Educate landowners?
- Encourage stewardship?
- Work with conservation districts?

Resource Extraction

- Enable/encourage local ordinances?
- Model ordinance and BMP standards?
- Educate municipal officials?
- Technical assistance to the industry?
- Targeted enforcement?
- Address legacy extraction problems?

Land Development: Runoff

- Update stormwater and soil erosion manuals?
- BMP research on nutrient and bacteria management?
- Work directly with municipal officials?
- Encourage/enable stormwater utilities?
- Work with industry partners?
- Broader use of LID?
- Streambank stabilization and use of buffers?
- Better tracking of development projects?
- More efficient permitting?
- Identification/elimination of illicit discharges?

Land Development: Growth Planning

- Sensible growth management standards for local officials?
- Better understand the impacts of growth using GIS?
- Sustainability: Balance growth, life quality, public health?
- Build in financial incentives to sustainable growth?
- Work within the structure of comprehensive planning?
- Balanced wastewater management?
- Innovative ordinances at the local level?
- Coordinate efforts of industry, regulators, and proponents

Land Development: Roads, Hgwys, Bridges

- Develop better stormwater BMP guidance materials and O&M materials?
- Support better management of roads?
- Develop safe, efficient, environmental sensitive deicing practices?
- Encourage more appropriate driver habits
- Coordinate state, municipal, and private maintenance and deicing

Land Dev: Construction, post, retrofits

- Link state BMP standards to local regulation?
- Encourage adoption of better municipal ordinances and standards (e.g., LID)?
- Support implementation of municipal regulatory programs?
- Encourage better O&M (e.g., utilities)?
- Encourage use of sustainable materials/approaches (e.g., regulation, cert programs)?
- Enhance awareness through conferences and symposiums?
- Evaluate the effectiveness of current initiatives?

Land Development: Lawn and Grounds

- Develop lawn and grounds management standards?
- Determine what BMPs work most effectively?
- Establish certification programs and regulation?
- Work with industry groups?
- Better irrigation management?
- Better nutrient management?

Land Development: Wastewater

- Evaluate the effectiveness of existing regulatory programs and standards?
- Encourage use of simple innovations (e.g., effluent filters, double tanks, dipper Dboxes, etc.)?
- Consider need to ban phosphate detergents and garbage disposals?
- Consider designer licensing and soil-based siting?
- Support local decision making and work with communities with interest in delegation?
- Support local program development (e.g., WWMDs)?
- Encourage repair at property transfer?

Land Development: Land Disposal

- Encourage local prohibitions (e.g., junkyards, landfills) in sensitive areas?
- Ensure appropriate stormwater management?
- Encourage better closure approaches by providing money?
- Encourage/enhance recycling?

Land Development: UIC

- Enhance standards and regulation?
- Research improved BMPs?
- Conduct targeted evaluation in high-priority areas?
- Enhance state tracking?
- Financial assistance for remediation?

Land Development: Brownfields

- Establish a specific plan?
- Select and target brownfields for focused implementation?
- Provide financial assistance?

Land Development: Animals

- Develop and enable a model pooper scooper law?
- Develop a waterfowl BMP manual and assistance program?
- Provide education to the public: Don't feed the birds?
- Encourage restoration of anadromous habitat

Materials Storage: Tanks

- Confirm the extent of the problem?
- Targeted compliance activities?
- Encourage municipal regulation?
- Provide funding assistance for risk reduction and abatement?

Materials Storage: Hazardous Materials

- Improved standards for industry?
- Model ordinances for municipal officials?
- Encourage management/collection of household hazardous waste?
- Work with industry groups?
- Evaluate existing program effectiveness?

Boating

- Update clean marina guidance?
- Enhance regulation of marinas?
- Engage the marine industry and partner marinas?
- Evaluate the effectiveness of the clean marina program?
- Evaluate zero discharge programs?

Hydromodification and Restoration

- Develop and project planning and BMP manual?
- Coordinated approaches with linear projects, forestry, and agriculture?
- Coordinate with federal programs and initiatives?
- Coordinate with private partners?

Climate Change

- Standardized approach and BMPs?
- Prioritize geographic focus?
- Identify key partners in government, industry and nongovernmental agencies?
- Establish coordinated funding?

Water Conservation

- Standardized approach and BMPs?
- Prioritize geographic focus?
- Identify key partners in government, industry and nongovernmental agencies?
- Establish coordinated funding?

Atmospheric Deposition

- Determine extent and source of the problem?
- Standardized approach and BMPs?
- Prioritize geographic focus?
- Identify key partners in government, industry and nongovernmental agencies?
- Establish coordinated funding?

Pollution Prevention

- Determine extent of the problem?
- Standardized approach and BMPs?
- Prioritize geographic focus?
- Identify key partners in government, industry and nongovernmental agencies?
- Establish coordinated funding?

Contact Information

Jim Riordan, AICP, LEED AP

Project Manager

Fuss & O'Neill

jriordan@fando.com

401/861-3070 ext. 4571