

## AGENDA AND SYLLABUS

# BMPTRAINS Model Training WORKSHOP

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## OBJECTIVES

1. Provide each participant with knowledge to understand and use BMPTRAINS to assist in the analysis and design of Stormwater Best Management Practices for nutrient removal.
2. Understand the theory and principles essential for estimating nutrient removal and implementation of 15 Best Management Practices.
3. Define input data required for the BMPTRAINS program.
4. Solicit comments and improvements to BMPTRAINS.

## CLASSROOM MATERIALS

For maximum benefits, each participant must have a computer with the BMPTRAINS model loaded on it

## AGENDA and Sequence of presentations

Title	Descriptions
<b>Introduction</b>	Value of BMPTRAINS, Training Expectations and Evaluation, Review of computer models, series and parallel, BMPs, Effectiveness Annual Basis, State Climate zones
<b>Background</b>	Retention and Detention, Pre and Post, Catchment characteristics, Event Mean Concentration, Watershed Conditions, basis for nutrient removal calculations for different classes of BMPs
<b>Methodologies</b>	For calculation of removal effectiveness including swales, reuse, green roofs, bio-retention and others

### **BMPTRAINS examples from the user's manual, depends on training needs**

1. Swales
2. Retention
3. Effluent filtration
4. Wet Detention
5. Reuse (Harvesting)
6. Treatment Trains
7. Others as defined by participants

## Discussion and Comments

**Review** What was learned and Follow-on Information

**The Future:** Cost Optimization and Groundwater Considerations