

BMPTRAINS Model Training Workshop

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Instructors: Eric Livingston, Marty Wanielista, Harvey Harper and Mike Hardin

OBJECTIVES

1. Understand why nutrient removal is important.
2. 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.
3. Understand the theory and principles essential for estimating nutrient removal and implementation of 15 Best Management Practices.
4. Define input data required for the BMPTRAINS program.
5. Understand applications of the BMPTRAINS program.
6. Solicit comments for 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
Introduction	Why nutrient removal is needed, Why BMPTRAINS, Training Expectations, Rules & Regulations, BMPs in series and parallel as important elements of a stormwater plan, Effectiveness on an Annual Basis, Navigating the BMPTRAINS model.
Background	Retention and Detention, Pre and Post, Catchment Characteristics, Precipitation, Event Mean Concentration, Runoff Characteristics, Watershed Conditions, Treatment Trains, User Defined BMPs, EMC and Filter Media options, Chemical Treatment, BAM filtration.
Methodologies	Basis for removal using retention and detention, calculation of removal effectiveness for BMPs used in BMPTRAINS

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

1. Retention
2. Wet Detention
3. Reuse (Harvesting)
4. Effluent Sorption Filtration
5. Mixed land uses
6. Others as defined by participants

Discussion and Comments

Review What was learned and Follow-on Information