

AGENDA for BMPTRAINS Model Training Workshop

September 17, 2015 @ UCF Continuing Education Workshop Room

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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, EMCs, Filter Media options, Chemical Treatment.

Methodologies Basis for removal using retention and detention, calculation of removal effectiveness for BMPs used in BMPTRAINS

BMPTRAINS examples from recent applications of the model

1. Disconnecting impervious areas using depression storage options such as rain gardens, tree wells, planter boxes, exfiltration, and swales to cite examples
2. Typical retention basins and wet detention ponds
3. Sorption Media applications
4. Reuse (Harvesting)
5. Pervious pavements

Others as defined by participants

Trends, Discussion and Comments

Review What was learned, what is trending, and future needs