

SDHM Instructional Course

Instructor: Clear Creek Solutions, Joseph Brascher, EIT

43 Part Video Course – Main Training

1. Bonus Introduction – Getting Started in SDHM

- a. Installing the SDHM
- b. Introduction and File Paths
- c. Map Controls
- d. Help Files
- e. Elements

2. Module 1: Introduction to SDHM Presentation

- a. Introduction and Changes from Version 3.0
- b. Background and Theory
- c. Capabilities and HSPF
- d. Elements and How SDHM Works
- e. SDHM Applications Steps 1-4
- f. SDHM Applications Steps 5-8
- g. SDHM Applications Steps 9-12
- h. After Facility Sizing
- i. File Types and LID Options

3. Module 2: Using the Software

- a. Opening Screen and Map Options
- b. Schematic and Landuse basin
- c. Basin Management, Landuse Area, Point of Compliance
- d. USGS Calculations
- e. HMP Modeling
- f. HMP Analysis
- g. Additional Pond Iterations and AutoPond
- h. Drawdown Time
- i. Analysis Tab
- j. PDF Report
- k. Basic SDHM Elements
- l. Sand Filter and Gravel Trench Bed

4. Module 3: Advanced Theory

- a. Introduction and Advanced Topics
- b. Infiltration Facility Modeling
- c. LID Modeling
- d. Impervious Runoff and Lateral Flow Basins
- e. Porous Pavements Example
- f. Biofiltration Element
- g. Biofiltration Example Steps 1-6
- h. Biofiltration Example Steps 7-12

5. Module 4: Advanced Modeling Presentation

- a. Infiltration Modeling
- b. Partial Infiltration
- c. Impervious, and Lateral Flow Basins
- d. Porous Pavement
- e. Biofiltration Modeling
- f. Biofiltration Project Example
- g. Drawdown Time
- h. Review, Reports and Saving the Project

6. Bonuses

- 61. Bonus 1 – Project Template Pack
- 62. Bonus 2 – Sample Projects
- 63. Bonus 3 – USGS Runoff Spreadsheet
- 64. Bonus 4 – California Hydromod Table