

Developing Generalized Constituent TMDLs with HSPF

Workshop Agenda

July 28, 2001

1. Introduction to TMDLs..... 8:00 – 8:45
Exercise 1
2. BASINS / NPSM / HSPF Overview..... 8:45 – 9:15
Exercise 2
3. Developing HSPF Inputs
 - a. The HSPF Model Input File (*.uci) 9:15 – 10:00
 - b. Using the BASINS Interface
 - i. Getting up and running with BASINS
----- **Break** ----- **10:00 – 10:15**
 - ii. The BASINS Report Utility..... 10:15 – 11:00
 - iii. Using Local Data
Exercise 3
 - c. Using the NPSM Interface 11:00 – 12:00
 - i. Reaches (Characteristics, F-tables)
 - ii. Climatic Data and WDM Files (WDMutil)
Exercise 4
 - iii. Land Use
 - iv. Control Cards
 - v. Pollutant Selection
 - vi. Point Sources (MUTSIN vs. WDM inputs)
----- **Lunch** ----- **12:00 – 1:00**
 - vii. Default Data 1:00 – 1:30
 - viii. Data Editor
 - ix. Output Manager
Exercise 5
 - d. Parameter Evaluation
 - i. Hydrology 1:30 – 2:20
 1. PERLND, IMPLND, RCHRES Parameters in HSPF
 2. GIS Parameter Evaluation
 3. Calibration and Validation
Exercise 6
 - ii. Fecal Coliform 2:20 – 3:00
 1. Types of Loading
 2. PERLND, IMPLND, RCHRES Parameters in HSPF
----- **Break** ----- **3:00 – 3:15**
 3. Spreadsheet Calculations 3:15 – 3:30
Exercise 7
4. HSPF Data for TMDL Plans..... 3:30 – 4:00
 - a. Hydrology
 - b. Fecal Coliform
Exercise 8
5. Types of Model Runs Needed for a TMDL..... 4:00 – 4:30
6. Future Impacts on the TMDL Program
7. Discussion / Workshop Evaluation..... 4:30 – 5:00