For tutorial, please go to Online Help under SSOAP Toolbox->Help->Content. Then select "Quick Start".

Quick Start Tutorial

This tutorial describes how to use the SSOAP Toolbox to perform some typical tasks. This tutorial does not attempt to provide examples of all SSOAP Toolbox functions or combinations thereof. This tutorial assumes basic familiarity with the elements that compose a collection system, rainfall and flow monitoring, and terms used with RDII RTK unit hydrograph method. Suggested background reading is available in:

- EPA SWMM5 User Manual – Chapter 3
- EPA Review of Sewer Design Criteria and RDII Prediction Methods – Chapters 2 and 4
- EPA Computer Tools for Sanitary Sewer System Capacity Analysis and Planning – Chapters 4 and 5

The tutorial includes the following:

1. Example Study Area
2. Example Task 1 – Import Rainfall and Flow Monitoring Data
3. Example Task 2 – Define a Sewershed with RDII Areas
4. Example Task 3 – Analyze DWF
5. Example Task 4 – Analyze RDII
6. Example Task 5 – Setup Scenario and Generate RDII Hydrographs
7. Example Task 6 – Generate Hydrographs for SWMM5 Model Input
8. Example Task 7 – Setup RDII Reduction Scenario for SWMM5 Model Input
9. Example Task 8 – Compare Scenarios
10. Example Task 9 - Using SSOAP Toolbox in Supporting Continuous Simulation

Each example task includes the information requirements, steps involved to complete the task, and links to related information. Completing examples in the order presented will ensure the appropriate pre-requisites are satisfied before proceeding to the next task.

Data used in the examples can be found in the Example sub-directory under the EPA SSOAP Toolbox directory. The default location of these examples is c:\Program Files\EPA SSOAP Toolbox\Example

Flow_Monitor.csv - flow monitoring data used in the examples
Rain_Gauge.csv - rainfall data used in the examples.
SSOAP_SWMM5_0_018.inp - SWMM5 input file used in the examples.