BMP "Nesting"

March 20, 2018
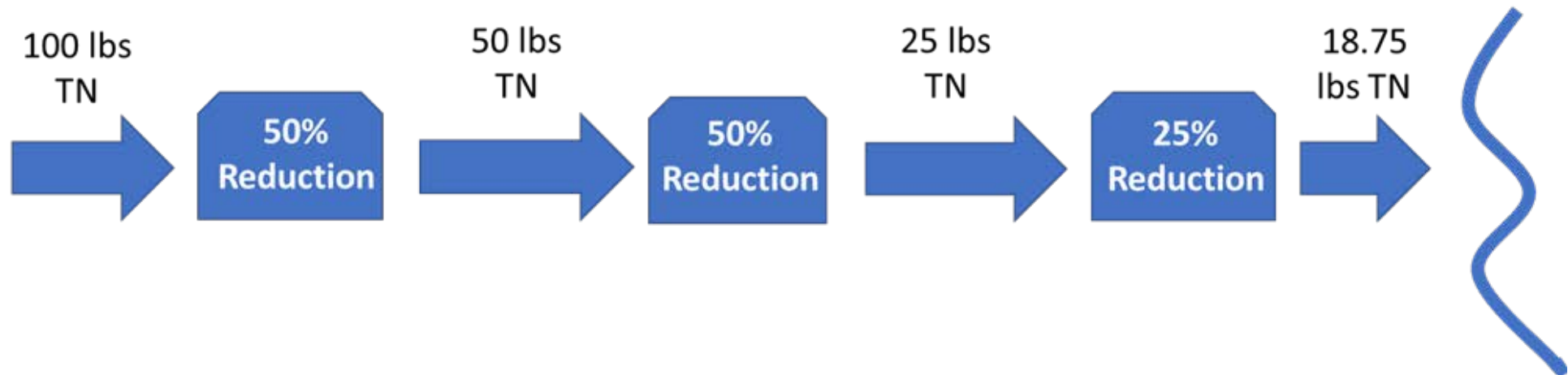
Urban Stormwater Workgroup

What are "Nested" BMPs

- Chesapeake Bay Program approved BMP that is implemented within the contributing drainage area of another Bay Program approved BMP

- Could have been implemented together, or one could be a legacy BMP

What's the problem?

- Older BMPs may be reducing the effectiveness of newer LID practices that are nested within the contributing drainage area

- How are nested BMPs simulated in the Model?

- How does "nesting" effect future decisions about:
  - implementation,
  - BMP accounting,
  - maintenance/verification

Nested BMPs in the Model

- All BMPs are at the LR scale, so all BMPs at LR scale are technically "nested"

- Nested BMPs are multiplicative:

Performance Standards

- Another option to help deal with "nested" BMPs

- Report predominant BMP type (RR or ST) for the entire site