

2011 DRAFT HRM Revision Summary

- Added TMDL guidance including: a new section 2-6.4 and a reference to the GIS layer in Chapter 3.
- The Appendix 2A Engineering Economic Feasibility check list was revised to improve usability.
- Repetitive conditions were deleted for minimum requirement exemptions.
- The MGSFlood correlation factor was revised to reflect 15 minute step interval.
- Moved the Chapter 4 detailed hydrology discussion for HSPF and SBUH to the Hydraulics Manual Chapter 2.
- Retrofit guidance was revised to improve clarity.
- The Soil Suitability Criteria 5 was modified to allow a 12 in/hr infiltration rate when bioretention soils are used.
- Additional guidance was added for modeling infiltration ponds.
- The definition and description of several key terms was revised to improve clarity.
- Updated broken web links throughout the manual.
- Replaced the longitudinal and lateral slope limits for sheet flow BMPs with a resultant slope.
- Improvements and updates to the BMP selection process flow charts.
- Added guidance for sizing MFD underdrains.
- The MFD design guidance was revised to improve constructability including modifications to MFD Figures.
- Two new BMPs were added: Compost Amended Biofiltration Swale and Bioretention Area.
- Revised the embankment slope limits from 15% to 33% for dispersion and vegetated filter strips.
- Modified constructed stormwater wetland guidance to improve constructability and vegetation establishment.
- Most of the figures in Chapter 5 were updated to improve clarity.

- A one page summary or 'menu' was added to each BMP providing a quick overview of the BMP: function, limitations, requirements, maintenance needs, and TMDLs applicability.
- The freeboard height requirement for biofiltration swales was clarified.
- Chapter 6 was updated for consistency with permit changes as well as general improvement for clarity.