

## Scenario Builder Appendix Requirements Updates

November 6, 2013

11/6/2013 version 8.25

- Previously unapproved cover crops species' measurement names were revised from "NA" to "Release," and mapped to newly approved species.
- The BMP, "Disconnection of Rooftop Runoff" was previously mapped to the Scenario Builder BMP, "GrassBuffers." This mapping was changed to the more appropriate BMP, "ImpSurRed."
- MD functional equivalent practices added to Appendix as "Draft." These practices will need to be approved by the Partnership before their status is changed to "Release."
- Statuses for all records mapped to the Scenario Builder BMPs, "DecisionAg," "EnhancedNM," and "UrbanNutMan" were changed to "Retired." Jurisdictions should use the newly approved versions of these BMPs.

10/21/2013 version 8.25

- Record added with BMP Name, "Constructed Wetland" that maps to Scenario Builder BMP, "WetPondWetland." This record has a DefaultSBLandUse of "UrbanWithCss" and a Measurement Name, "Acres Treated." There was previously no measurement name for acres treated on urban land uses. This is a change from the October 8<sup>th</sup> version.
- Removed BMP Name, "Porous Pavement." This record was not approved in the previous version, so removal should have no impact on NEIEN reporting. States should continue to use the BMP Name, Permeable Pavement to report this type of BMP. This is a change from the October 8<sup>th</sup> version.
- Removed BMP Names, "Dry Hydrant," "Sediment Basin" and "Sediment Control Pond." These records were not approved in the previous version, so removal should have no impact on NEIEN reporting. This is a change from the October 8<sup>th</sup> version.
- Column, "ID" was reordered. This column is not used by NEIEN or Scenario Builder. It is for reference purposes only. This column will be reordered each time a new version of the Appendix is released. This is a change from the October 8<sup>th</sup> version.
- Added Measurement Names, "Forage Radish and Grass Normal Drilled" or "Forage Radish and Grass Normal Other."
- Revised stormwater BMP records to reflect Scenario Builder needs to credit stormwater performance standards. Each stormwater BMP now has the following three measurement names: "Volume," "Site Area," and "Impervious Area." The October 8<sup>th</sup> version would not have enabled jurisdictions to report "Impervious Area" as a separate measurement. Please remember that all three of these measurements are required to receive credit for the new stormwater performance standard BMPs.
- Revised agricultural nutrient management BMP records to reflect more appropriate default land uses. These records have been revised from the October 8<sup>th</sup> version. There are now only three

records for the newly approved agricultural nutrient management BMPs. Each record corresponds to a default land use group in Scenario Builder. For example, BMP Name, “Nutrient Management” is placed on the default land use group “CROPFERT.” Jurisdictions may submit more appropriate land uses or land use groups such as “ROW,” “PAS”, or “URS” if they have more specific information about operations for which plans were written.

10/8/2013 version 8.25

- All newly approved cover crop species were added.
- All newly approved stormwater BMPs were added.
- All newly approved agricultural nutrient management BMPs were added.
- Newly approved, High residue tillage management was added.
- All newly approved urban nutrient management BMPs were added.
- The previously approved cover crop species were added as measurement names: Rye Early Aerial Commodity following Soy; Rye Early Aerial Traditional following Soy; Wheat Early Aerial Commodity following Soy; Wheat Early Aerial Traditional Following Soy.

8/31/2013 version 8.24

- Added the following IDs at the request of DC:

ID	BMP Name	Default Land Use	DefaultSBLandUse	Measurement Name	Unit Name	State Specific Identifier	Scenario Builder BMP
1113	BaySaver	Urban	UrbanWithCss	Area Treated	ACRE	ALL	Filter
1114	Water Quality Inlet	Urban	UrbanWithCss	Area Treated	ACRE	ALL	Filter
1115	Regenerative Stormwater Conveyance	Urban	UrbanWithCss	Watershed Area	ACRE	ALL	ReGenSWConv
1116	Trash Removal	Urban	UrbanWithCss	Trash Trap	LBS	DC	
1117	Trash Removal	Urban	UrbanWithCss	Bandalong	LBS	DC	
1118	Trash Removal	Urban	UrbanWithCss	Water Skimmer	LBS	DC	
1119	CSO Separation	Urban	UrbanWithCss	Area Separated	ACRE	ALL	
1120	Cisterns & Rain Barrels	Urban	UrbanWithCss	Stormwater Reduction Volume	GALS	ALL	
1121	Permeable Pavement	Urban	UrbanWithCss	Stormwater Reduction Volume	GALS	ALL	
1122	Urban Forest Buffer	Urban	UrbanWithCss	Buffer Length	MILES	ALL	ForestBufUrban

3/11/2013 version 8.23

- Added new measure name (ACRE) for practice “Urban Forest Buffers” to correct an error in the PA submission.

#### 2/19/2013 version 8.22

- Priority number for “Waste Storage Facility” practice corrected from 12 to 13 to fix database load error (priority number 12 already in use).

#### 2/14/2013 version 8.21

- For the “Vegetated Treatment Areas” practice, the measures “BMP Acres (Acres) A/B soils, no underdrain” and “BMP Acres (Acres) C/D soils, no underdrain” were added for WV.
- For the “Waste Storage Facility” practice, added the measure “No. Animals mid-sized Beef” with a conversion factor of 0.679 to animal units. This conversion factor was calculated by averaging the factors for “beef heifer” and “other cattle”.

#### 2/5/2013 version 8.20

- Corrected units for practice: “Water and Sediment Control Basin” from ACRE to COUNT after discussion with PA. Measure name is Number, so acres not the appropriate unit. PA only submitter to date.
- Animal Trails & Walkways conversions standardized. Width assumption modified from 1 foot to 2 feet for measurement name of “Feet”

#### 1/30/2013 version 8.19

- For practices mapping to SB practice “LandRetireHyo” the default landuse values = “AG” were changed to “AGFERT” (AGFERT is the same as AG, except that hyo is not included in AGFERT).
- For practices mapping to SB practice “LandRetirePas” the default landuse values = “AG” were changed to “CROP” (The CROP lu group does not include the pasture land use).
- New measure name “Area Treated” added for Erosion & Sediment Control practice (for DE).
- New measure name “Urban Acres Treated” added for Filter practice, mapped to filter (the urban practice) instead of the agricultural mapping to grassbuffers.

#### 1/22/2013 version 8.18

- The status for BMP = “SWM to MEP on New Development” was modified from RELEASE to NA, as this is an interim practice, for E3 scenarios but not yet approved for progress scenarios.
- Practice “Decision/Precision Agriculture” which has long been marked as interim bmp, the status was modified from NA to RELEASE and mapped to “DecisionAg” practice in SB. Default LU specified was CROPFERT.
- Added cover crop combination for DE.

#### 1/15/2013 version 8.17

- The column “is annual BMP” was marked as hidden since its legacy purpose is expired.
- Added measurement name “Operations” for practice “Amendments for the Treatment of Agricultural Waste” mapped to SB practice “Alum.” Previously, was only reportable by animal units.

#### 1/7/2013 version 8.16

- For the BMP = “SWM to MEP on New Development” (which is MD-specific practice), the required but missing transformation details were added to handle the practice correctly.

- Conservation Tillage practice mappings modified to reflect new SB functionality to accept percentage, additional acres, and total acres.
- Biofiltration & Biorention practice mappings updated to reflect soil types assumed by SB when the soil type is not reported. The historic process is mapped to the default.
- For practices reported as “Amendments for the Treatment of Agricultural Waste” the SB mapping was modified from AmmoniaEmissionRed to Alum.

12/21/2013 version 8.15

- NonUrbStrmRest. Unit conversion of feet to acres disabled.
- Practices were updated to identify the default soil type and underdrain status when the information was not provided for Vegetated channels and treatment areas (VegOpChanNoUDAB).
- Record ID=516 contained a typo that was corrected in the BMP Name (Biomass to Biomass).

12/18/12 version 8.14

- Streambank & Shoreline Protection modification from Oct. (mapping changed from pasture to non-urban stream restoration). The documented conversion from feet to acres was disabled, as the new practice requires units in feet.

12/13/12 version 8.13

- 61 BMP and measure combinations added to reflect new codes coming in from the NRCS and FSA datasets.
- Conservation Cover practices were retired in error after the 2011 progress run. The status was modified to “Release”.
- Carbon Sequestration/Alternative Crops -> Retired per Olivia’s guidance that PA no longer uses or reports this practice.

12/6/12 – Appendix update v8.12

- Mapping for “Grass Buffers” on landuse “row” switched from GrassBufferstrp to GrassBuffers. There is a measure with default land use of trp and measure name of “Area on disturbed Pasture” that should be used if implementation was indeed on disturbed pasture.

10/23/12 – Appendix update v8.11: The mappings to the following practices were modified so that the planting method changed from aerial to other on request, since VA has no aerial application.

- Cover Crops - Early Planted Rye
- Cover Crops - Early Planting
- Cover Crops – Harvestable

10/9/12 – Appendix update v8.10: By request from WV added two new BMP names reflecting that their tracking system now change the way that “Dry Detention Ponds & Hydrodynamic Structures” will be tracked. The existing practice was split so that the two may be reported separately.

- Dry Detention Ponds
- Hydrodynamic Structures

Dry detention ponds are mapped to the existing Scenario Builder practice “DryPonds” and are considered Status=“Release”. Hydrodynamic Structures have not been described & documented and are not yet mapped to a practice in Scenario Builder. They are currently Status=“Draft”

10/9/2012 - A column was added and titled "Change history" so that colored highlights were not the only mechanism to view modifications. The column indicates new or modification and the version of the appendix. Details of changes are recorded in the "Comments" and "Status Comments" fields.

10/4/12 - Appendix update v8.9: Streambank and Shoreline Protection mapping changed from PastFence to NonUrbStrmRest.