



Maryland
Department of
the Environment

Stormwater Regulatory Update

Stewart R. Comstock, P.E.

Program Review Division Chief

Sediment, Stormwater, & Dam Safety Program, WSA

CWEA 2019 Stormwater Seminar:
Proven Strategies for Stormwater Program Success:
Challenges and Solutions from Design to Implementation



Changes to COMAR (2019)





Stormwater Management Measures

(July 29, 2019)

- COMAR 26.17.02.09D
- Allows the use of specific standard plans to meet stormwater management requirements:
 - Agricultural Structures (SSDS-SP01);
 - Poultry House Development on Maryland's Eastern Shore (SSDS-SP02); and
 - Single Lot Residential Construction (SSDS-SP03)



Standard Plans

 **Maryland**
Department of
the Environment

Larry Hogan, Governor
Boyd K. Rutherford, Lt. Governor
Ben Crumblins, Secretary
Horacio Tablada, Deputy Secretary

Standard Stormwater Management Plan for Agricultural Structures (SSDS-SP01)

Property Owner Information

Last Name: _____ First Name: _____ State: _____
City/Town: _____ Email: _____
Street Address: _____ Cell: _____
Phone: _____

Project Information


Description: _____
Street Address: _____
City/Town: _____ ☐ square feet ☐ acres
Total Lot Size: _____ square feet
Total Disturbed Area: _____ square feet
Total Impervious Area: _____ feet
Distance of disturbed area from nearest waters of the State (e.g., perennial stream, tidal/nontidal wetland): _____

Contractor Information

Last Name: _____ First Name: _____
City/Town: _____
Street Address: _____ Cell: _____
Phone: _____ Year Issued: _____
Responsible Personnel Certification Number: _____

The Code of Maryland Regulations (COMAR 26.17.02) requires that an approved stormwater management plan be obtained for any land development or construction activity that disturbs 5,000 square feet or more. This standard plan (SSDS-SP01) is designed to address stormwater runoff from individual or contiguous lots and structures within a single limit of disturbance (LOD). Where the plan is used for grading and improvements within a single limit of disturbance, the plan must be approved by the local government. The plan may be used to address stormwater management requirements. The plan must be included in the application of this standard plan if it is not part of the same project.

1800 Washington Boulevard | Baltimore, MD 21230 | 1-800-455-6008 | 410-537-7555
www.mde.maryland.gov

 **Maryland**
Department of
the Environment

Larry Hogan, Governor
Boyd K. Rutherford, Lt. Governor
Ben Crumblins, Secretary
Horacio Tablada, Deputy Secretary

Standard Stormwater Management Plan for Single Lot Residential Construction (SSDS-SP03)

Owner Information

Last Name: _____ First Name: _____ MI: _____
City/Town: _____ State: _____ Zip: _____
Street Address: _____
Phone: _____ Cell: _____ Email: _____

Project Information

Street Address: _____
City/Town: _____ State: _____ Zip: _____
Tax Map: _____ Liber: _____ Folio: _____ Parcel: _____ Block: _____
☐ square feet ☐ acres (check one)
Total Lot Size: _____ square feet
Total Disturbed Area: _____ square feet
Total Impervious Area: _____ square feet
Distance of disturbed area from nearest waters of the State (e.g., perennial stream, tidal/nontidal wetland, mean high water line): _____

Contractor Information


Last Name: _____ First Name: _____ MI: _____
City/Town: _____ State: _____ Zip: _____
Street Address: _____
Phone: _____ Cell: _____ Email: _____
Responsible Personnel Certification Number: _____ Year Issued: _____

The Code of Maryland Regulations (COMAR 26.17.02) requires an approved stormwater management plan be obtained for any land development or construction activity that disturbs 5,000 square feet or more. This standard plan (SSDS-SP03) is designed to address stormwater runoff from residential structures and associated grading. The requirements for stormwater management found in COMAR and the 2000 Maryland Stormwater Design

1800 Washington Boulevard | Baltimore, MD 21230 | 1-800-633-6101 | 410-537-3000 | TTY Users 1-800-755-2258
www.mde.maryland.gov

Standard Stormwater Management Plan for Poultry House Sites (SSDS-SP02)

September 2018

 **Maryland**
Department of
the Environment



Agricultural Structures (SSDS-SP01)





Agricultural Structures (SSDS-SP01)

- Conditions:
 - The intended use of the structure is in connection with implementing agricultural land management practices as defined in COMAR 26.17.02. (e.g., storage and basic processing of products produced on the farm, livestock propagation);
 - The agricultural structure is not to be used for human occupancy or be open to the general public for commercial, recreational, or other uses;
 - The agricultural structure and associated grading and improvements will not cause flooding of adjacent property, structures, or roadways;
 - The construction activity is not part of a larger common plan of development;
 - No more than 1 acre (43,560 square feet) of earth will be disturbed during construction; and
 - No disturbance or construction shall occur within 100 feet of any perennial stream, water body, tidal wetland, or mean high water line to tidal waters.



Poultry Houses (SSDS-SP02)





Poultry Houses (SSDS-SP02)

- Conditions:
 - The project consists of one to six poultry houses;
 - The project must be located on the Eastern Shore (i.e., Kent, Caroline, Queen Anne's, Talbot, Dorchester, Wicomico, Somerset, and Worcester Counties); and
 - This Standard Plan shall not be used in areas of special concern or if site conditions (e.g., soil type or high groundwater) present a challenge.



Residential Structures (SSDS-SP03)





Residential Structures (SSDS-SP03)

- Conditions:
 - The project is a single lot residential construction, not within a developing subdivision, and there is no contiguous land undergoing development;
 - Total site imperviousness shall not exceed 15% of the lot size;
 - Total disturbance during construction shall be less than 30,000 sf.;
 - Land area that is disturbed for septic system construction may be subtracted from the total disturbed area provided it is revegetated;
 - This plan shall not be used in areas of special concern or if site conditions such as slope, soil type, high groundwater, etc. present a challenge; and
 - Documentation must be submitted to show that environmental site design (ESD) has been implemented to the maximum extent practicable (MEP).



Soil Conservation & Water Quality Plan





Soil Conservation & Water Quality Plan (SCWQP)

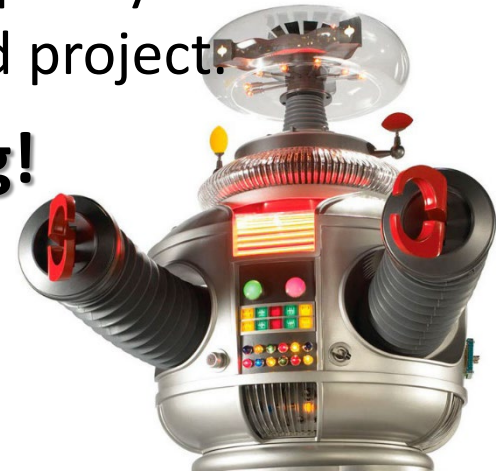
- Conditions:
 - Must be an agricultural structure, or associated access roads and parking areas;
 - Must comply with USDA NRCS Conservation Practice Standard Stormwater Runoff Control Code 570 (March 2013);
 - Is not located within the Chesapeake and Atlantic Coastal Bays Critical Area; and
 - Is not subject to:
 - General Discharge Permit for Stormwater Discharge Associated with Construction Activity;
 - General Discharge Permit for Animal Feeding Operations; or
 - Dam Safety Regulations or Requirements.



Standard Plans – Minimum Measures

- An approving agency may require more than the minimum control measures. An engineered plan may be required if:
 - Otherwise required by statute or regulation;
 - The plan fails to meet ESD to the MEP;
 - Hydrologic or topographic conditions warrant; or
 - Flooding, stream channel erosion, or water quality problems exist downstream from a proposed project.

Warning! Warning!





Stormwater Management Plans (July 19, 2019)

- COMAR 26.17.02.09F
- “Standard plans specified in Regulation .08D of this chapter are considered an acceptable stormwater management plan for satisfying the requirements of §E of this regulation”



Other Updates





Vegetation in Stormwater Best Management Practices (11/2019)

Vegetation plays a significant role in water quality improvement, and is an essential part of stormwater BMPs.

VEGETATION
IN STORMWATER
BEST MANAGEMENT PRACTICES

November 2019



Maryland
Department of
the Environment




Vegetation in Stormwater Best Management Practices (11/2019)

- This guidance:
 - Expands on guidelines set forth in Appendix A, Landscaping Guidance for Stormwater BMPs, of the 2000 Maryland Stormwater Design Manual, Volumes I & II;
 - Includes a literature review, as well as findings from interviews with academic researchers, local nurseries, and (MS4) permittees that are responsible for administering Maryland's stormwater management program; and
 - Provides clarification and additional information on various aspects of vegetation in stormwater BMPs.





Website Updates

[Maryland.gov](#) [Phone Directory](#) [State Agencies](#) [Online Services](#) [En Español](#)



MARYLAND
Department of the Environment






[HOME](#) [ABOUT MDE](#) [AIR](#) [LAND](#) [WATER](#) [MARYLANDER](#) [PERMITS](#) [NEWSROOM](#)


Stormwater Management Program

- › [Soil Erosion & Sediment Control](#)
- › [Stormwater Management](#)
- › [Dam Safety](#)
- › [SSDS Home](#)

Stormwater Management



Bioretention



Stormwater management is an integral component of Maryland's environmental consciousness. The State is home to numerous streams and rivers that ultimately drain to Chesapeake Bay, the largest inland estuary in the United States. These streams and the Bay not only provide drinking water, economic opportunities, and water for irrigation, but also a home for a diverse ecosystem. However, growing population and land use changes



Questions?

