Maryland Department of the Environment

Antidegradation Applicant Review Checklist
Enhanced Best Management Practices for Tier II Waters

Nontidal Wetlands and Waterways Tracking # : _____

Applicant Signature: _____ **Date Complete:**

☐ **All Tier II watersheds impacted by the proposed activity HAVE assimilative capacity.**

Use the interactive Tier II webmap located at:
https://mdewin64.mde.state.md.us/WSA/TierIIWQ/index.html
to assist you. On the map, Tier II watersheds colored orange have NO assimilative capacity.

Background

Applicants must utilize enhanced BMPs or additional controls, potentially above those minimally required in the 2011 Maryland Standards and Specifications for Soil Erosion and Sediment Control, to protect high quality Tier II stream resources.

Incorporate applicable items, check off practices incorporated, and identify the practice locations in plans. Some practices may be marked N/A (e.g. no sediment traps are used). The list below is not exhaustive, and you may summarize in an attachment, additional information related to avoidance and minimization in Tier II watersheds. Address sections A, B, and C.

MDE may provide additional comments during the course of the review depending upon application specific circumstances.

A. Erosion and Sediment Plan

☐ To the maximum extent practicable activities should take place during times when sediment transport are likely to be lower as predicted by National Oceanic and Atmospheric Administration 1 or 3 clear day weather forecast

☐ Conduct inspections on a daily basis. Log books may be reviewed.

Grading and Stabilization	**Plan Sheet Locations**
☐ If limit of disturbance allows, locate stockpiles > 100 ft from stream resources	
☐ Permanent mulch application depth shall not exceed 6". Temporary mulch spreading and matting to minimize compaction is allowable.	

A. Erosion and Sediment Plan, continued	
Filtering	**Plan Sheet Locations**
☐ Near streams upgrade silt fencing to super silt fencing or an equivalent measure (for example large compostable filter logs)	
Sediment Trapping (traps/basins)- implement 1 or more of the following:	**Plan Sheet Locations**
☐ For road adjacent work include: Trash rack, oil/water separator, and/or skimmers	
☐ Forebays or designs to maximize detention time (for example includes baffle boards)	
☐ Flocculants or other chemical additives (may require additional approvals or conditions for use)	
Dewatering	
☐ Discharges take place beyond the existing stable vegetated buffer of 100 ft ☐ Discharges within the buffer occur through Agency approved secondary or redundant control (for example sediment bag treated with sediment filtration aid)	
Miscellaneous Practices	
☐ Signage and flagging within buffer zone. Text: Tier II Waters: High Quality Waters Erosion & Sediment Control Measures Strictly Enforced & Monitored ☐ Temporary access bridges shall be utilized over fords ☐ Vehicles operating within the stream buffer must carry oil/gas/grease clean up kits for spill accidents	

B. Stormwater Management Plan, if required for activity
☐ ESD to the MEP, and all other practices required by the Maryland Stormwater Design Manual, Volumes I & II (Effective October 2000, Revised May 2009), and ☐ On Plans - Delineate Tier II riparian environmental buffers: 100 foot minimum, based on slopes and soils, according to Table 1. Provide documentation of protection.

Table 1: Expanded Tier II Riparian Buffer

Adjusted Average Optimal Buffer Width Key (in Feet)				
	Slopes (%)			
Soils	0-5%	5-15%	15-25%	>25%
ab	100	130	160	190
c	120	150	180	210
d	140	170	200	230

C. Summary Project Land Use/Land Cover Change

Ample watershed forest cover, sufficient riparian buffers, and lower levels of impervious cover are essential to maintaining high quality waters. This project may reduce on-site riparian buffers and forest cover, or increase impervious cover within the Tier II watershed. Such changes can lead to a decrease in water quality. Applicants must avoid or minimize impacts to these resources.

MDE will use the following information to document **permanent** impacts to Tier II watershed resources. For each Tier II watershed the proposed project may impact, complete the following. Some items may be marked N/A depending upon the proposed activity as not all activities involve clearing or new impervious cover.

Please attach additional sheets if the project overlaps with more than 2 Tier II watersheds.

Name of Tier II Watershed #1 _____

Riparian Buffer **Within Tier II Watershed #1** (in linear feet)	
1. Combined length of on-site stream segments:	
2. Combined length of on-site streams with an average of 100' wide buffers:	

Forest Cover **Within Tier II Watershed #1** (in acres)	
1. Total on-site forest cover (existing):	
2. Total on-site forest cover (post-project) including on-site forest creation:	
3. Total off-site mitigation (for example Conservation Act requirements):	
4. Portion of previously forested area treated with ESD practices (post-project):	

Impervious Cover **Within Tier II Watershed #1** (in acres)	
1. Total on-site imperious cover (existing):	
2. Total on-site impervious cover (post-project):	
3. Total on-site impervious cover treated with ESD practices (post-project):	

Name of Tier II Watershed #2 _____

Riparian Buffer **Within Tier II Watershed #2** (in linear feet)	
1. Combined length of on-site stream segments:	
2. Combined length of on-site streams with an average of 100' wide buffers:	

Forest Cover **Within Tier II Watershed #2** (in acres)	
1. Total on-site forest cover (existing):	
2. Total on-site forest cover (post-project) including on-site forest creation:	
3. Total off-site mitigation (for example Conservation Act requirements):	
4. Portion of previously forested area treated with ESD practices (post-project):	

Impervious Cover **Within Tier II Watershed #2** (in acres)	
1. Total on-site imperious cover (existing):	
2. Total on-site impervious cover (post-project):	
3. Total on-site impervious cover treated with ESD practices (post-project):	

Direct any questions regarding this form to Angel Valdez at angel.valdez@maryland.gov.