## Kentucky Erosion Prevention and Sediment Control Guide

## **Site Inspection Checklist**

EPSC Practices	Field Indicators for Compliance
Project Operations	<ul> <li>Grading and clearing conducted in phases and according to plan to minimize exposed soil areas</li> <li>No vegetation removal or other land disturbance operations in stream or sinkhole buffer zone <ul> <li>See KYR10 part 2.5 for further information on required buffer zones</li> </ul> </li> <li>Rock construction entrance/exit in place where vehicles enter paved roads</li> <li>No sediment, mud, or rock on paved public roads in project area</li> <li>Dust control if needed when working in residential areas during dry conditions</li> <li>Inspection of all controls weekly during construction; -OR <ul> <li>Inspection of all controls every 14 days and after each rain exceeding ½ inch during construction.</li> <li>KYTC projects may have different inspection frequencies. Check the current Standard Specifications for more information transportation.ky.gov/Construction/StdSpecsWSupplSpecs/2019%20Standard%20Spec%20with%20Supplemental%2</li> <li>OSpec%20July%202019.pdf</li> </ul> </li> </ul>
Drainage Management	<ul> <li>Upland runoff diverted around or through bare soil areas with lined ditches or grassed berms</li> <li>Drainage channels exiting the site are seeded and stable, with no muddy flow after rains</li> <li>Discharges from dewatering operations cleaned in silt fence enclosure or filtered</li> <li>No unmanaged muddy runoff leaving site after rains up to 1½ inches</li> </ul>

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Erosion Protection for Bare Soil Areas	<ul> <li>Exposed soil areas seeded after two weeks if no work is planned for next 7 days.</li> <li>Soils on flat ground or moderate slopes seeded at approved rate</li> <li>Soils on steep slopes stabilized with seed, and mulch and/or other erosion control products</li> </ul>
Sediment Filters	<ul> <li>Silt fence, rock filter, or other sediment control below all bare soil areas</li> <li>Sediment filter installed across slope on the contour, trenched in, posts on downhill side</li> <li>Silt fence posts are 6 feet apart or closer; ends of fence turned uphill</li> <li>Multiple sediment filters 110 feet or less apart on unseeded slopes steeper than 4:1</li> <li>J-hook interceptors along silt fence where muddy runoff flows along fencing</li> <li>No visible undercutting or bypassing of sediment filter, failures found and repaired promptly</li> </ul>
Slope Protection	<ul> <li>Slopes tracked, disked, or conditioned along the contour after final grade is established</li> <li>Slopes seeded, mulched, or covered with blankets within 21 days, no unmanaged gullying</li> <li>Heavy downslope flows controlled by lined downdrain channels or slope drainpipes</li> <li>No gullies, no muddy runoff from slopes entering streams, rivers, lakes or wetlands</li> </ul>
Inlet Ponding Dams	<ul> <li>Ponding structure located at storm drain, culvert, and channel inlets receiving muddy flows</li> <li>No visible undercutting, overtopping, or bypassing of inlet ponding structure</li> <li>Accumulated sediment is less than halfway to the top of the ponding structure</li> </ul>

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Outlet Protection	<ul> <li>High flow discharges have rock or other flow dissipaters of adequate sizing at outlet</li> <li>Channel and culvert outlet areas show no visible signs of erosion, bank failure, or collapse</li> <li>Outlet discharging to lined, stable ditch or vegetated area</li> </ul>
Ditch Stabilization	<ul> <li>No unmanaged ditch bank erosion or bottom scouring visible within or below site</li> <li>Ditches with slopes greater than 3% have silt checks, spaced closer as slope increases</li> <li>Ditches with slopes up to 3% are thickly seeded with grass</li> <li>Ditches 3% to 10% are lined with thick grass and erosion control blankets</li> <li>Ditches 10% to 20% are lined with thick grass and turf mats or other approved product</li> <li>Ditches exceeding 20% are lined with rock, concrete, or other approved erosion control products</li> </ul>
Sediment Traps and Basins	<ul> <li>Storage volume is at least 134 cubic yards for each acre of bare soil area drained</li> <li>Outlet structure is stable and consists of rock lined overflow, outlet riser pipe or skimmer</li> <li>Rock overflow has 6" depression to control discharges</li> <li>Discharge area is stable</li> <li>Outlet riser pipe has concrete and rock base, ½ inch holes every 3" to 6", and trash rack</li> </ul>
Maintenance of EPSC Management Practices	<ul> <li>Sediment behind silt fence and other filters does not reach halfway to top</li> <li>Sediment traps and basins are less than half full of sediment</li> <li>Gullies noted and repaired</li> <li>Silt fences and other controls inspected and repaired/replaced</li> <li>Written documentation of controls installed, inspection results, and repairs performed</li> <li>All controls removed and control areas graded, seeded, and stabilized before leaving site</li> <li>Regulatory requirements for stormwater permitting, etc. addressed as needed</li> </ul>