

Erosion and Sediment Control Plans (see checklist – next page)

ESC plans must be prepared in accordance with LFUCG Ordinances, the Stormwater Manual, and Engineering Standard Drawings. Engineered components must be prepared by a KY PE. ESC Plans must be implemented. ESC plans must include (LFUCG Erosion and Sediment Control Ordinance: Sec. 16-101):

- A description of the project, including purpose, location, and size of disturbed area
- Topography, land cover, soils, percent impervious area, before/after drainage patterns
- Land use and land cover conditions of adjacent property
- Schedule of work, beginning/end dates, sequencing (clearing, grading, revegetation)
- List of ESC BMPs, including location, installation schedule, rationale
- List of stormwater pollution control practices for non-sediment pollutants
- Discussion of inspection, maintenance, and BMP repair activities
- Site map showing areas of disturbance, BMP locations, utilities, pavement construction entrance(s), streams, wetlands, sinkholes, basins/ponds, culverts, and storm inlets
- 50 foot natural vegetation buffer must be maintained around streams, wetlands, sinkholes, etc.
- Must minimize the area and length of any disturbance in the buffer zone
- Must post a copy of the LDP at the work site in a conspicuous location
- Revise the plan if there are significant changes; PE must OK changes to engineered items

LFUCG Erosion and Sediment Control Plan Review Steps (see checklist)

- Look over the ESC Plan Review Checklist to ensure that the required items are included.
- Get a sense of the topography of the site (slopes and drainage patterns), and note the existing land cover.
- Identify any critical areas (habitat, woodlands) and buffers (50 ft for streams, wetlands, sinkholes).
- Review the construction procedure/schedule, and identify any project phases (clearing, mass grading, etc.)
- See whether or not upgradient diversion berms or ditches are included, or needed (site run-on).
- Check downgradient perimeter / runoff protection (silt fence, fiber logs, rock berms, etc.).
- Evaluate ditch and channel construction and stabilization approach (seeding, mats/blankets, etc.)
- Look for ditch or pipe discharge areas where outlet protection / splash pads / armoring might be needed.
- Review protection approach for stormwater inlets at the site (drop, curb, pipe, etc.).
- Review sizing and criteria for sediment traps and basins (volume, stabilization, outlet protection, etc.)
- Look for post-construction BMPs and make sure there is appropriate sediment control protection.
- Ensure that any stream crossings have USACE CWA Sec. 404 permits and proper design.
- Identify site exits, and ensure proper stabilization (rock, geotextile, drainage to BMP onsite, etc.)
- Check housekeeping details – concrete washout, material storage, fuel/other tank locations, dust, etc.
- Look for standard notes on stabilization (after 14 inactive days, or immediately for ditches, traps, basins), inspections (weekly or every 14 days and after ½ inch of rain), keeping public roads clean (daily), use of blankets/mats (for ditches, channels, and slopes), protection for soil stockpiles (downgradient silt fence), protection for pollutant-leaching materials (tarps, etc.), keeping records at site (permits posted, ESC Plan and inspection reports available), removing temporary BMPs (as needed and upon completion).

LFUCG Land Disturbance Permit Application & Erosion and Sediment Control Plan Checklist

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Permittee (Owner or Contractor):	Date:
Contact Person:	Contact Phone:
Site Address:	Zone:
Contractor Name: Reg #:	Contractor Phone:
Mailing Address:	Email:

Permitting Information and ESC Plan Narrative	Yes	No	N/A	Page#	Notes
KY DOW Construction NOI / KYR10 Permit					Required for disturbance \geq 1 acre
US ACE Section 404 Permit					Required for stream crossings, wetland fills
KY DOW Stream Construction Permit / WQ Certif.					Required for stream crossings / encroachment
FEMA LOMR or CLOMR					If applicable
Project description and purpose					Brief summary
Land cover, soils, percent impervious area					Pre and post construction
Land cover / land use of adjacent property					Can designate on plan sheets
Work schedule with start/end dates					Sequencing, clearing, grading, revegetation
Phasing plan for large projects					25 acre limit on total disturbed area
BMP installation schedule					Can be included on plan sheets (see below)
Inspection and BMP maintenance schedule					Every 7 days, or every 14 days and after 1/2" rain
Material storage, waste & litter pollution prevention					Covered, away from drainage system, etc.
Fueling / vehicle maintenance pollution prevention					Conducted away from drainage system, etc.
Spill prevention, control, and countermeasures					If reportable quantities present at the site
Dust control plan					Consider if neighbors are present
Stabilized site exit inspection plan					For keeping offsite pavement clear of soil/debris
Stabilization plan and schedule for site areas					Seed/mulch/etc. within 14 days of inactivity

ESC Plan Site Map and Drawing Detail (See LFUCG Stormwater Manual for BMP Design and Installation Information)

Plans stamped by a licensed professional					Required for engineered plan components
Location of the project; property lines					Include small locational map; street address
Limits of construction, disturbed area location/size					Flag off "no disturbance" areas
Topography and drainage patterns (pre and post)					1" = 50 ft; 2 ft contours
Buildings, utilities, paved areas, ditches, culverts					Show stormwater inlets within 100 ft of site
Retention ponds, detention basins, sediment traps					Stabilize immediately after construction
Access and haul roads					Consider dust control where neighbors present
Stabilized exit (50 ft #2 rock pad, shaker rack, etc.)					Must drain to a sediment control BMP
Silt fence or etc. at downslope perimeters					Super silt fence along critical areas
Diversion ditches/berms above disturbed areas					Stabilize immediately after construction
Protection for post-construction BMPs					Keep sediment out of post-construction BMPs
Slope stabilization (seed with mulch/blanket/mat)					See Figure 11-1 in Stormwater Manual
Inlet protection measures					Specify type(s) and location(s)
Outlet erosion protection measures					Specify type(s) and location(s)
Ditch stabilization (sod, or seed with blanket/mat)					Stabilize immediately after construction
Sediment basins (> 5 ac) and traps (< 5 ac)					Stabilize immediately after construction
Dewatering sites and methods					Must use sediment controls
50 ft natural vegetated buffer for all critical areas					Applies to streams, wetlands, sinkholes
Stream crossings					Crossing type, detail; USACE 404 permit req'd
Stockpile areas, equipment storage/fueling areas					Keep away from drainage system if possible
Waste and concrete wash water storage/disposal					Show initial area; can be moved as needed

LFUCG Use Only: Review Date: _____ Status – In Compliance: Yes No Additional Info Needed: Yes No

Reviewed By: _____ Department: DOE DWQ DES

Comments / Missing Items: