

Post-Construction Erosion Control Best Management Practices

Post-construction erosion control best management practices (BMPs) are needed to reduce the amount of sediment that flows into the recently cleaned channel and to reduce the movement of loose material within the channel. Use the following BMPs on ADAP projects:

- 1) Minimize the area of disturbed soil over the course of the project. Undisturbed areas can reduce the cost of site stabilization and potentially revegetation.
- 2) Leave a sediment barrier in place at the downstream end of the channel for at least 24 hours after the reintroduction of water into the channel. Sediment barriers can be silt fences, coir logs, sediment dams, and/or short sections of the channel that have not yet been dredged.
- 3) Remove sediment collected upstream of the sediment barrier prior to removing the barrier.
- 4) Re-shape side slopes to eliminate vertical sides.
- 5) Spread grass seed on all exposed areas from the water surface to the top of the channel. If exposed areas beyond the top of the channel can flow into the channel, spread grass seed on the exposed areas or grade them to slope away from channel. Follow supplier's recommendations for application rate, rolling, and watering requirements.
- 6) Place ½"-1" of straw, mulch, or similar biodegradable product over grass seed from the water surface to the top of the channel. If installation occurs before September 1, the straw or mulch covering above the jute fabric is not needed but may still be included to reduce irrigation needs to establish grass seed germination and establishment.
- 7) Place jute fabric over the straw starting at the water surface and stake or staple to ground according to manufacturer's requirements. Jute fabric shall extend a minimum of three feet up the slope from the water surface or to the top of the channel whichever is less. If grass seed is not spread before October 1, extend jute fabric to the top of the channel with the higher row of jute fabric overlapping on top of the lower row by one foot.
- 8) Alternatively, a commercially available erosion control blanket or mat may be used in place of the straw and jute fabric for the lower three feet of the channel or top of the channel if installed after October 1.
- 9) For fields that are subject to flooding, extend the jute fabric or erosion control blanket to the top of the slope for all low areas in the banks where water will flow back into the channel as flood waters recede.
- 10) Alternatively, all exposed areas above the high water mark can be hydroseeded with no additional jute fabric or straw/mulch required.
- 11) Inspect erosion control measures after significant rainfall. If erosion control measures are not preventing erosion and the eroded material is entering the channel, repair/replace the existing erosion control measures and/or implement additional erosion control BMPs.