

BMP G12 - Maintenance of Exposed/Open Slopes

The CSUSM campus is surrounded by a large area of open space. Slopes that are more than five feet in height, more than 250 square feet in total area, and steeper than 3:1 (run-to-rise) that have been disturbed at any time by clearing, grading, or landscaping, shall be protected from erosion prior to the first rainy season following completion of the slope, and continuously thereafter. Prior to the rainy season, CSUSM will remove or secure any significant accumulations of eroded soils from slopes previously disturbed by clearing or grading, of those eroded soils could otherwise enter the Storm Water Conveyance System during the rainy season.



Pollution Prevention Guidelines:

- Vegetation will be maintained at all times. All exposed surface areas will be protected with adequate vegetative ground cover at all times. Any unprotected surfaces in the storm system will be stabilized to prevent direct erosion.
- Securing eroded soils should be by implementing standard measures such as securing a cover over the soils and diverting runoff flows around the soils.
- Clean out the debris basins regularly to ensure operating capacity.
- Install fiber rolls, check dams and gravel bags and other temporary methods to reduce flow velocities across the slope face. The deployment of temporary BMPs shall occur prior to the rainy season to help stabilize exposed soil slopes and reduce sediment discharges from the campus.
- Hydroseeding and/or soil binders may also be applied if necessary and practical.

Design Guidelines:

- Protection of slopes typically is accomplished through covering the slopes, planting the slopes to stabilize vegetation, and/or installing sandbags, silt fences, or other measures to prevent runoff of sediment.
- Use appropriate drainage structures to carry stormwater flows away from the slopes surfaces.

Inspection Guidelines:

- Check temporary control BMPs as needed during rainy season and least monthly during the non-rainy season.
- Verify the requirements for BMPs, inspections, etc. if the State's Construction General Permit applies to a construction site.
- Removal of eroded soils should be to an approved and licensed disposal facility.
- Inspect significant accumulations of eroded soils from slopes.

Training Guidelines:

- Train staff to inspect and recognize signs of increased erosion potential.