

BMP G14 - Maintenance of Soil Slopes (Roof runoff drainage)

Soil slopes shall be maintained with landscaping stabilization materials or temporary sheeting. Maintain surface flows and use energy dissipaters to control and reduce erosion of slope face.

Pollution Prevention Guidelines:

- Vegetation or slope stabilization 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 controlled by implementing standard measures such as securing a cover over the soils and diverting runoff flows around the slopes.



Design Guidelines:

- Protection of slopes typically is accomplished through permanent or temporary cover, planting or soil binders to stabilize vegetation, and/or installing sandbags, silt fences, or other measures to prevent runoff of sediment.
- At the end of each roof runoff drainage line - install an energy dissipater to help reduce the flow velocity. This will help reduce the rate of erosion from the exposed soil slope surface.
- Track the slope face to create depressed surfaces and grooves into the sediment to help reduce erosion rates.
- Use appropriate drainage structures to carry stormwater flows away from the slopes surfaces.

Inspection Guidelines:

- 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.