

Intermediate Cover

Current regulations require all landfills to increase soil cover to a total thickness of at least one foot of compacted cover on filled areas of the sanitary landfill which are idle for more than 60 days. No active, intermediate or final slope shall exceed 33 1/3 percent.

Landfill owners are required to submit for approval from the Missouri Department of Natural Resources, procedures to establish and maintain vegetative growth to combat erosion and improve appearance of idle and completed areas. Procedures shall include seeding rate, fertilizer rate, soil conditioning rate and provisions for mulching. The procedure must also contain provisions to maintain a cover integrity, for example, regrading and recovering as necessary.

This photo shows an intermediate slope with the appropriate amount of cover applied as required; with the establishment of vegetative growth as soon as weather conditions allow.



Sufficient Intermediate Cover

This slope has reached intermediate status. The slope contains a sufficient amount of cover with only a few small rocks visible.



Sufficient Intermediate Cover (cont.)



Sufficient Intermediate Cover (cont.)



Insufficient Intermediate Cover





MISSOURI
DEPARTMENT OF
NATURAL RESOURCES

Insufficient Intermediate Cover



Insufficient Intermediate Cover (cont.)



Insufficient Intermediate Cover (cont.)

While a few rocks can be tolerated on intermediate slopes, too many rocks will prevent the establishment of vegetative cover, promote infiltration of precipitation, erosion, venting of landfill gas and prevent regular maintenance, such as mowing on the slopes.

It would be appropriate to require the facility to grade down mounds of piled rock, apply additional soil cover and regrade the slopes before reapplying vegetative seed to the affected areas.

