

NATURAL RESOURCES CONSERVATION SERVICE

VIRGINIA

OPERATION AND MAINTENANCE REQUIREMENTS

LAND RECLAMATION, LANDSLIDE TREATMENT

CODE 453

Land Owner/Operator _____

County _____ SWCD _____ Farm/Tract No. _____

Prepared By _____ Date _____

OPERATION AND MAINTENANCE ITEMS

A properly maintained landslide treatment project can be an asset to the property. The landslide treatment project was designed and installed to prevent or stabilize landslides by managing in-place natural materials, mine spoil, mine waste, or overburden. Estimated life span of this installation is at least 15 years. The life of the project can be assured and usually increased by developing and carrying out a systematic operation and maintenance program.

This practice will require periodic maintenance and may also require operational items to maintain satisfactory performance. Your operation and maintenance program includes:

- The treatment shall be inspected at least annually and especially after heavy rains to determine whether it is functioning properly or if repairs are needed. As a minimum, inspect for additional earth movement, failure of water disposal systems, vegetation, and other problems.
- Appurtenances, such as diversions, structures, and other conveyance systems, shall be kept free of trash and repaired when needed. Remove debris that may accumulate around the treatment area. If fences are installed, they shall be maintained to prevent unauthorized entry. Access roads shall be maintained, as needed.
- Erosion on the slopes shall be regraded, seeded, and fertilized, if possible. Should the slide area move, then adding material to the toe may be appropriate. Recognize that removal of slide debris from the toe may cause instability and further slide movement.
- The surface and subsurface drainage system around the treatment area must be maintained. Terraces, waterways, or other appurtenances must be maintained to their design dimensions. Supporting practices are to be maintained according to their specific Operation and Maintenance Plans.
- Maintain vigorous growth of vegetative coverings. This includes reseeding, fertilization, and application of herbicides when necessary. Fertilize as needed to maintain a uniform vigorous stand.
- Immediately repair any vandalism, vehicular, or livestock damage to the treatment area. Foot and vehicle traffic over the area should be controlled by fencing or other means.

