

NATURAL RESOURCES CONSERVATION SERVICE
WEST VIRGINIA
OPERATION AND MAINTENANCE REQUIREMENTS
UNDERGROUND OUTLET
CODE 620

Landowner/Operator _____

County _____ CD _____ Farm/Tract No. _____

Prepared By _____ Date _____

A properly operated and maintained underground outlet is an asset to the farm. This practice was designed, and installed, to collect and convey surface water to a suitable outlet. The estimated life span of this installation is at least 20 years. The life of the practice can be assured, and usually increased, by developing and carrying out a systematic operation and maintenance program.

This practice requires periodic O&M to properly manage and keep the system in good repair. Items for consideration are:

- Periodic inspections, especially immediately following significant runoff events, to keep inlets, trash guards, and collection boxes and structures clean and free of materials that can reduce flow.
- Prompt repair or replacement of damaged components.
- Repair or replacement of inlets damaged by farm equipment.
- Repair leaks and broken or crushed pipe to insure proper functioning of the conduit.
- Repair of eroded areas at the pipe outlet.
 - Repair any settlement or erosion that occurs around the pipe with soil and re-seed as needed. If this problem persists, evaluate the pipe for leakage and erosion of the fill material into or along the pipe.
 - Maintain erosion protection at outlets; repair any eroded areas at the outlet.
- Maintenance of adequate backfill over the conduit.
- To maintain the permeability of surface materials on blind inlets, periodic scouring or removal and replacement of the surface soil layer may be necessary.
- Periodic Inspection of the outlet and animal guards to ensure proper functioning.
- Promptly repair or replace damaged or inoperable components.
- Protect the components from damage by farm equipment and livestock. Avoid damage to riser inlets by farm equipment. Mark risers so they are visible to prevent damage by equipment.
- Eradicate, or otherwise remove, all burrowing animals. Immediately, repair any damage caused by their activity.

