

NATURAL RESOURCES CONSERVATION SERVICE
VIRGINIA
OPERATION AND MAINTENANCE REQUIREMENTS
IRRIGATION SYSTEM, TAILWATER RECOVERY
CODE 447

Land Owner/Operator_____

County_____ SWCD_____ Farm/Tract No. _____

Prepared By_____ Date_____

OPERATION AND MAINTENANCE ITEMS

A properly operated and maintained irrigation tailwater recovery system can be an asset to the farm. The system was designed and installed to conserve irrigation water supplies and/or improve offsite water quality. Estimated life span of this installation is at least 15 years. The life of the irrigation tailwater recovery system 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:

- Periodically clean and re-grade collection facilities to maintain proper flow lines and functionality.
- Periodically check and remove debris as necessary from trash racks and structures to assure proper operation.
- Periodically remove and plan placement of sediment from traps and/or storage facilities to maintain design capacity and efficiency.
- Inspect or test all pipeline and pumping plant components and appurtenances, as applicable.
- Perform routine maintenance on all mechanical components in accordance with manufacturer's recommendations. Repair or replace damaged components as necessary.
- Periodically land level or grade surface irrigated fields as required to maintain uniform field grades for application uniformity.
- Immediately repair any vandalism, vehicular, or livestock damage to any earthfills, spillways, outlets or other appurtenances.
- Eradicate or otherwise remove all rodents or burrowing animals and repair any damage caused by their activity.

