

**OPERATION AND MAINTENANCE PLAN
IRRIGATION SYSTEM - TAILWATER RECOVERY
CODE 447**

Land Owner/Operator _____

Job Location _____ GPS _____

Prepared By _____ Date _____

OPERATION AND MAINTENANCE ITEMS

Operation and maintenance (O&M) is necessary for all conservation practices and is required for all practices installed with the Natural Resources Conservation Service assistance. The land user is responsible for proper O&M throughout the life of the practice and as may be required by federal, state, or local laws or regulations.

Operation refers to operation of the practice in compliance with all laws, regulations, ordinances, and easements; and in such a manner that will result in the least adverse impact on the environment and will permit the practice to serve the purpose for which it was installed. Maintenance includes work to prevent deterioration of the practice, repairing damage, or replacing components which fail.

Necessary operation and maintenance items for this practice include:

- Control field soil erosion to help minimize sediment deposits in tail water facilities.
- Minimize erosion in collection ditches and pipeline inlets. Controlling erosion helps minimize sediment deposits in storage facilities, sumps, and low velocity pipelines and ditches.
- Periodically clean trash racks, sediment traps, sumps, reservoirs, and ditches to maintain design capacity and efficiency.
- Prevent, and, if necessary, remove crop residue and foreign debris from entering water conveyance facilities. Properly cleaned and maintained screens help minimize required system maintenance.
- Periodically check all above ground pipeline connections and structures for leaks and proper operation. A one-gallon per minute leak totals over 10,000 gallons per week.
- Perform motor and engine maintenance according to a fixed schedule based on hours of operation in addition to “as needed” maintenance based on observation.

Other _____

