

**OPERATION AND MAINTENANCE PLAN  
IRRIGATION SYSTEM, MICROIRRIGATION  
CODE 441**

Landowner/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:

- Only operate the system when needed to furnish water for plant growth, salt management, or to store moisture within the rooting depth of the plant. Monitor the crop noting areas of moisture stress and repair or adjust system operation as needed. Periodically examine each outlet (drip emitter, spray head, etc.,) for proper operation. Clean plugged application devices and replace defective parts.
- Operate the system at the design pressure, discharge rate, and irrigation duration and frequency.
- Repair all leaks in delivery facilities.
- If necessary during non-seasonal use, place appurtenances in a secure area where they will not be damaged.
- Maintain all screens, filters, valves, timers, and other electrical and mechanical equipment in good operating condition following the electric code and manufacturers' recommendations. Drain and protect equipment from freezing, as necessary.
- Remove all rodents and/or burrowing animals that have or may damage any part of the delivery, or application facilities. Repair any damage caused by their activity.
- Repair any vandalism, vehicular, or livestock damage.

Other \_\_\_\_\_  
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