

**NATURAL RESOURCES CONSERVATION SERVICE
OPERATION AND MAINTENANCE PLAN
ARIZONA**

**IRRIGATION SYSTEM, MICROIRRIGATION
(No. and Ac.)**

CODE 441

Cooperator _____ Date _____

Address _____

Location: Section _____ Town _____ Range _____ Field No. _____

NRCS Field Office _____ County _____

This conservation practice is an asset to your farm or ranch. This practice will need periodic operation and maintenance to maintain satisfactory performance. The life of this practice or system is at least 10 years. The life of this practice can be assured or extended by thorough and timely operation and maintenance.

GENERAL RECOMMENDATIONS

This practice will require you to perform periodic maintenance and may also require operational items to maintain satisfactory performance. Here are some recommendations to help you develop a good operation and maintenance program.

- Install flow meter and monitor water application.
- Clean or backflush filters when needed.
- Flush lateral lines at least annually *or more frequently as needed to maintain an acceptable EU*
- Check applicator discharge often; replace applicators as necessary.
- Allow the pipe to fill gradually when being put into use after shut down or draining. Filling at the specified rate requirements and opening/closing valves to prevent excessive water hammer.*
- Check operating pressures often; a pressure drop (or rise) may indicate problems.
- Check pressure gauges to ensure proper operation; repair/replace damaged gauges.
- Inject chemicals as required to prevent precipitate buildup and algae growth.
- Check chemical injection equipment regularly to ensure it is operating properly.
- Check and assure proper operation of backflow protection devices.
- Check and re-apply protective coating on all above ground PVC materials as needed (minimum every two years).*
- Maintaining erosion protection at outlets and around facilities to prevent surface ponding by grading to remove depressions.*
- Checking for debris, minerals, algae and other materials which may restrict system flow;*
- Requirements for cleaning and repairing of screens and structures, including the periodic check and repair all valves, gates and regulators to the system requirements following the manufacturer's recommendations.*
- Remove all foreign debris that hinders system operation.*
- Requirements for off-season storage and handling of pipe, including draining and/or providing for cold weather operation of the system.*
- Limit livestock usage to periods that permit use without damage.*
- If fences are installed, they shall be maintained to provide warning and/or prevent unauthorized human or livestock entry.*

