

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

**IRRIGATION DITCH LINING
(Ft.)**

CODE 428

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 20 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

- Inspect the lining periodically to ensure that it functions as planned. Remove any blockage of trash and debris that could affect flows through the structure.*
- Maintain adequate drainage of the foundation or embankments.*
- Maintain the widths and heights of soil berms adjacent to the ditch and/or lining. Avoid the use of tillage equipment adjacent to the ditch and/or lining that accelerates soil removal.*
- Drain all lined ditches when not being used.*
- Remove woody vegetation and perennials from areas adjacent to ditch and/or lining. Mow when vegetative growth becomes excessive. Repair and/or fertilize damaged vegetation in accordance with NRCS conservation practice standard Critical Area Planting, Code 342.*
- Inspect linings for deterioration and capacity. Repair or replace materials that have deteriorated.*
- Inspect for safety of people or animals using the area near the structure.*
- Periodically remove sediment if storage is less than the expected accumulation during the design life.*
- Periodic cleaning and re-grading of collection facilities (ditches, pipes, structures) to maintain proper flow lines and functionality.*
- Eradicate or otherwise remove all rodents or burrowing animals that have or may potentially damage any part of the delivery or application facilities. Immediately repair any damage caused by their activity.*
- Immediately repair any damage resulting from vandalism, vehicles, or livestock.*
- Install and maintain fences to prevent livestock access where excessive trampling of the lining, banks or ditch may occur.*

