

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

STRUCTURE FOR WATER CONTROL

(No.)

CODE 587

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 structure(s) periodically to ensure that the structure functions as planned.*
- Inspect structures for deterioration and capacity. Remove any blockage of trash and debris that could affect flows through the structure. Repair or replace materials that have deteriorated, including rock used for outlet protection.*
- Determine and eliminate causes of settlement or cracks in the earthen sections and repair damage.*
- 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*
- Prevent surface ponding by grading area adjacent to structures to remove depressions.*
- Make sure that all structural drains are functional.*
- Repair spalls, cracks and weathered areas in concrete surfaces.*
- Repair or replace rusted or damaged metal and paint.*
- Check all valves, gates, and other appurtenances for proper functioning. If worn or damaged, repair or replace following the manufacturer's recommendations.*
- Replace weathered or displaced rock riprap to constructed grade.*
- Check all timber or lumber sections for decay and other damage, especially, sections in contact with earth or other materials. Promptly repair any damaged sections and apply protective coatings, as needed.*
- Limit livestock usage to periods that permit use without damage to the structures and appurtenances.*
- Inspect for safety of people or animals using the area near the structure.*
- Inspect vegetation on all earthfills. Mow when vegetative growth becomes excessive. Repair and/or fertilize damaged vegetation as needed.*
- 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.*

