

**UNITED STATES DEPARTMENT OF AGRICULTURE
NATURAL RESOURCES CONSERVATION SERVICE
_____, OKLAHOMA**

**OPERATION AND MAINTENANCE PLAN
IRRIGATION RESERVOIR**

Sponsor/Land user: _____ Date: _____

Address: _____

Legal description of practice location: SEC _____ T _____ R _____

A properly operated and maintained irrigation reservoir is an asset to your farm. This reservoir was designed and installed to provide storage for your irrigation system. The estimated life span of this installation is at least 15 years. The life of the structure can be assured and usually increased by developing and carrying out a good operation and maintenance program.

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.

GENERAL RECOMMENDATIONS

- Periodic cleaning and regrading of water storage facilities to maintain functionality.
- Periodic inspection, removal of debris, and repair if needed of trash racks and inlet and outlet structures to assure proper operation.
- Routine maintenance of mechanical components in accordance with manufacturer recommendations.
- Periodic inspection and maintenance of embankments and earth spillways to repair damage or control erosion and undesirable vegetation.
- Periodic removal of sediment from traps or storage facilities to maintain design capacity and efficiency.
- Periodic Inspection or testing of all pipelines and pumping plant components and appurtenances, as applicable.
- Remove debris that may accumulate at the reservoir and immediately upstream or downstream from the reservoir.
- Make sure all structure drains are functional and soil is not being transported through the drainage system. Repair if not functioning. The screens and/or rodent guards shall also be kept in place.

