

U.S. DEPARTMENT OF AGRICULTURE
NATURAL RESOURCES CONSERVATION SERVICE
OREGON

**Operation and Maintenance Requirements
Irrigation Reservoir
CODE 436**

Landowner/Operator _____

Job Location _____

County _____ SWCD _____ Farm/Tract No. _____

Referral No. _____ Prepared By _____ Date _____

Operation and Maintenance Items

A properly operated and maintained Irrigation Storage Reservoir is an asset to your farm. This structure was designed and installed to store water until needed at a later time for irrigation purposes. The estimated life span of this installation is at least 10 years. The life of this installation can be assured and usually increased by developing and carrying out a good operation and maintenance program.

This practice will require performance of periodic maintenance and operational items to maintain satisfactory performance. A good operation and maintenance program includes:

- ⇒ Periodically inspect the spillways and control gates for proper functioning for their ability to maintain the water level to design elevations. Immediately remove any blockage or obstructions in spillways. At approximately 3-month intervals exercise gates and valves to help assure proper function.
- ⇒ Maintain vigorous growth of vegetative coverings. This includes reseeding, fertilization, and application of herbicides when necessary. Fertilize the established stand with at least 200 lb of 21-0-0 per acre or equivalent annually or as needed to maintain a uniform vigorous stand. Periodic mowing or controlled grazing may also be needed to control height of vegetation.
- ⇒ If fences are installed, they shall be maintained to prevent unauthorized human or livestock entry.
- ⇒ Immediately repair any vandalism, vehicular, or livestock damage to any earthfills, spillways, outlets or other appurtenance.
- ⇒ Removal of debris that may accumulate in the reservoir and immediately upstream or downstream from inlet and outlet facilities.
- ⇒ Removal of accumulated sediment as necessary.
- ⇒ Make sure all structure drains are functional and soil is not being transported through the drainage system. Keep screens and/or rodent guards maintained and in place.
- ⇒ Eradicate or otherwise remove all rodents or burrowing animals and repair any damage caused by their activity.

