

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

**OPERATION AND MAINTENANCE WORKSHEET
 DAM, DIVERSION
 CODE 348**

Landowner/Operator			
Job Location			
County		SWCD	
Farm/Tract No.		Referral No.	
Prepared By			Date

Operation and Maintenance Items

A properly operated and maintained diversion dam is an asset to your farm. This structure was designed and installed to prevent inundation of farmland, to help control flooding, or provide diversion of irrigation water. The estimated life span of this installation is at least 20 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.
- ⇒ Maintain a vigorous growth of vegetation, including reseeding, fertilization, and application of herbicides when necessary. Periodic mowing may also be needed to control height.
- ⇒ Maintain fences to prevent unauthorized human or livestock entry.
- ⇒ Removal of debris that has accumulated immediately upstream or downstream of the weir or headgates.
- ⇒ Immediately repair any vandalism, vehicular, or livestock damage to any earthfills, spillways, outlets or other appurtenances.
- ⇒ Make sure all structure drains are functional and soil is not being transported through the drainage system. The screens and/or rodent guards shall also be kept in place.
- ⇒ Eradicate or otherwise remove all rodents or burrowing animals and repair any damage caused by their activity.
- ⇒ Settlement or cracks in the earthen sections should be investigated to determine the cause and immediately repaired.
- ⇒ Check concrete surfaces for accelerated weathering, spalling, settlement, alignment or cracks and repair.

- ⇒ Check metal surfaces for rust and other damage especially sections in contact with earthfill and with other materials. Repair or replace damaged sections and apply paint as protective covering.
- ⇒ Check all rock riprap sections for accelerated weathering and displacement. Replace to original grades if necessary.

Special Operation and
Maintenance Requirements