

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

**OPERATION AND MAINTENANCE WORKSHEET
WATER-HARVESTING CATCHMENT
CODE 636**

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

Operation and Maintenance Items

A properly operated and maintained water-harvesting catchment is an asset to your ranch. This structure was designed and installed to provide drinking water for livestock and/or wildlife. 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:

- ⇒ Repair or replacement of damaged components. Repair storage tank and pipeline leaks, and damage to apron surfaces caused by livestock and wildlife.
- ⇒ Insure all lap joints and edges are properly sealed to prevent water loss and wind from gaining access under membranes type catchments. Maintain uniform depth by rearranging or replacing aggregate covering materials when needed.
- ⇒ Apply asphalt emulsion seal coats on asphalt and asphalt-fabric catchments at regular 3 - 5 year intervals, or shorter intervals if required.
- ⇒ Seal cracks in concrete, asphalt, wax, and rock or paving catchment aprons.
- ⇒ Remove debris and litter from the catchment apron, outlet pipe, storage tank and area around the facility.
- ⇒ Periodically check elevations of earthfills and restore grade, if necessary.
- ⇒ Restrict growth of damaging plant vegetation.
- ⇒ Maintain installed fences to prevent unauthorized human and livestock access to apron surfaces
- ⇒ Eradicate or otherwise remove all rodents or burrowing animals and repair any damage caused by their activity.
- ⇒ Immediately repair any vandalism, vehicular, or livestock damage.

Special Operation and
Maintenance Requirements