



**Operation and Maintenance Plan  
Pond Sealing or Lining - Concrete, Code 522**



Landowner/Operator:				Date:	
NRCS Service Center:			Conservation District:		
Location of Practice:	Lat:		Long:		
UTM Coordinates:					
	SEC:		TS:		R:      Field ID:

GENERAL

A properly operated and maintained waste storage facility with a concrete liner protects the environment. This concrete liner was designed and installed to reduce seepage losses for water conservation and/or environmental protection. The estimated life span of this installation is a minimum of 20 years. The life of this installation can be assured and possibly increased by performing operation and maintenance (O&M) activities.

This practice will require you to perform the O&M activities as listed below.

O&M REQUIREMENTS

- Monitor water level for loses that could indicate a liner failure. Check appurtenant monitoring wells, if installed.
- The practice should be inspected routinely and especially after major rainfall events. All items needing maintenance should be repaired immediately.
- As a minimum, the concrete liner should be thoroughly visually inspected for integrity and signs of cracking at least once a year, preferably when the pond is pumped down.
- Inspect joints for signs of movement.
- Limit the use or travel of any equipment except in designated areas.
- Exclude animals and equipment from the treated area. If fences are installed, they shall be maintained to provide warning and/or prevent unauthorized human or livestock entry.
- Repair damage to the concrete liner as necessary. Repairs should be made to its original condition. Settlement or cracks in the concrete lining may accelerate the development of flow paths, which may result in structure failure. Investigate to determine the cause of cracking. Contact NRCS or a qualified consultant for assistance, if needed.
- Prevent damage that might be caused by roots from trees and large shrubs by removing such vegetation at first appearance.
- Eradicate or otherwise remove all rodents or burrowing animals and repair any concrete subgrade damage caused by their activity. (If threatened species are involved, follow policy on endangered or threatened species.)
- Immediately remove any debris that my harm or reduce the effectiveness of the lining.
- Immediately repair vandalism, vehicular, or livestock damage to any earthfills, spillways, outlets or other appurtenances.

