

**NATURAL RESOURCES CONSERVATION SERVICE
OPERATION AND MAINTENANCE PLAN FOR
POND SEALING OR LINING
COMPACTED CLAY TREATMENT**

CODE 521D

Name _____
Legal Desc. _____

Ident. No. _____
County _____

A properly operated and maintained pond lining is an asset to your farm. This was designed and installed to reduce seepage losses from the pond or waste storage impoundment. The estimated life span of this installation is at least 15 years. The life of this installation can be ensured and usually increased by developing and carrying out a good operation and maintenance program.

This practice will require you to perform periodic operation and maintenance for satisfactory performance. Here are some recommendations to help you develop a good operation and maintenance program.

General Recommendations

- Maintain the required depth of soil cover on the liner.
- Limit the use or travel of any equipment in the area that was covered with a liner.
- Prevent all livestock from using any area of the pond that was sealed by a liner.
- Maintain fences to prevent unauthorized human access or uncontrolled livestock grazing.
- Determine and eliminate causes of settlement or cracks in the soil because these weaken earthen sections. These may accelerate the development of flow paths and might result in structural failure. Immediately repair damage.
- Immediately remove any debris that may harm or reduce the effectiveness of the liner.

- Inspect the liner for damage by rodents or burrowing animals. Immediately repair any damage and take corrective actions to avoid further damage.
- Remove/control trees and shrubs from the bottom and side slopes of the pond or waste impoundment to prevent the roots from penetrating the liner.
- Repair immediately any damage due to vandalism, vehicles, or livestock that has been done to any earthfills, spillways, outlets, or appurtenances.
- Repair any damage caused by agitation, pumping operations, wave action, and the removal of solids and/or sludge.

Specific Recommendations

If you need additional technical assistance to implement the operation and maintenance plan for this structure, contact the Natural Resources Conservation Service (NRCS) at your local USDA Service Center (listed in the telephone book under United States Government).