

**NATURAL RESOURCES CONSERVATION SERVICE**

**VIRGINIA**

**OPERATION AND MAINTENANCE REQUIREMENTS**

**POND SEALING OR LINING-BENTONITE TREATMENT**

**CODE 521C**

Land Owner/Operator\_\_\_\_\_

County\_\_\_\_\_ SWCD\_\_\_\_\_ Farm/Tract No. \_\_\_\_\_

Prepared By\_\_\_\_\_ Date\_\_\_\_\_

**OPERATION AND MAINTENANCE ITEMS**

A properly operated and maintained pond liner is an asset to the farm. The lining was designed and installed to control seepage from water and waste impoundments for water conservation and environmental protection. Estimated life span of this installation is at least \_\_\_\_\_ years. The life of the practice can be assured and usually increased by developing and carrying out a systematic operation and maintenance program.

This practice will require periodic maintenance and may also require operational items to maintain satisfactory performance. Your operation and maintenance program includes:

- A minimum of 12 inches of soil cover must be maintained over the treated liner. All protective measures including agitation pads, riprap, concrete chutes, and fencing must be maintained to protect the treated liner. Sealing of an existing pond and subsequent maintenance shall be in accordance with NRCS and manufacturer's recommendations.
- Where a soil cover is installed, it should be inspected periodically and especially after heavy rains to determine whether it is being maintained at a thickness of 12 inches. Needed repairs shall be made promptly.
- All inlets, outlets, ramps, and other appurtenances shall be maintained in a manner that does not damage or impair the proper operation of the liner. Care shall be taken during the initial filling of the pond and all emptying activities to prevent damage to the liner. Pumping ramps and pads shall be utilized to avoid damage to the liner.
- The water level established for the pond shall not be manipulated to raise the water level above the planned elevation.
- Appurtenances such as trash racks, outlet structures and gates shall be kept free of trash. Remove debris that may accumulate at the embankment and immediately upstream or downstream from the basin.
- All structures shall be fenced to protect the liner from damage and for the safety of humans, livestock, wildlife, and pets.

