

**NATURAL RESOURCES CONSERVATION SERVICE**

**VIRGINIA**

**OPERATION AND MAINTENANCE REQUIREMENTS**

**POND SEALING OR LINING, COMPACTED CLAY TREATMENT**

**CODE 521D**

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 15 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:

- Use fencing to exclude animals and equipment from the treated area.
- For waste storage impoundments, maintain a minimum of 12 inches of soil cover over the treated liner. The soil cover and liner shall be inspected periodically, especially after heavy rains. Promptly repair damage to the soil cover and liner from erosion.
- For ponds, a minimum liner thickness of 12 inches shall be maintained for all areas in the vertical range of water fluctuation. A minimum of 12-inch compacted layer of untreated soil shall be placed over the treated liner where shoreline erosion or wetting and drying from fluctuating water levels exist.
- 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 during all emptying activities to prevent damage to the liner. Pumping ramps and pads shall be utilized to avoid damage to the liner. Promptly repair damages to the protective soil cover and pond liner.
- The water level established for the pond or waste impoundment shall not be manipulated to raise the water level above the planned elevation.
- Promptly remove woody vegetation from the soil cover and liner.

