

NATURAL RESOURCES CONSERVATION SERVICE

VIRGINIA

OPERATION AND MAINTENANCE REQUIREMENTS

POND SEALING OR LINING, FLEXIBLE MEMBRANE

CODE 521A

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 20 years. The life of the practice can be assured and usually increased by developing and carrying out a systematic operation and maintenance program.

The design capacity of the impoundment is _____.

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

- Maintain warning signs, fences, ladders, ropes, bars, rails, and other safety devices.
- Periodically inspect the liner for ballooning. This indicates the presence of gas beneath the liner. Seek professional assistance immediately. Do not allow smoking or open flames in the area.
- Inspect monitoring wells and other leak detection systems monthly. The allowable leakage rate for this site is _____. If leakage rates exceed the allowable rate, consult a professional engineer for assistance.
- Periodically inspect the visible portions of the liner for tears, punctures, or other damage. Also check the liner interface with inlets, outlet, ramps, and other appurtenances. Promptly repair any damage to the liner and cover soil. Conduct an inspection each time the impoundment is emptied.
- 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.

