



Pond Sealing or Lining – Flexible Membrane, Code 521A

Landowner/Operator: _____ Date: _____

NRCS Service Center: _____ Conservation District: _____

Location of Practice: Lat: _____ Long: _____

UTM Coordinates: _____

SEC: _____ TS: _____ R: _____ Field ID: _____

Inspections and maintenance are required to achieve the intended function, benefits, and life of the practice. The landowner/operator is responsible to establish and implement an inspection and maintenance program.

Pond Sealing or Lining-Flexible Membrane is a complementary practice to the Pond (378) or Waste Storage Facility (313) practice. The following operation and maintenance items specifically related to Pond Sealing or Lining- Flexible Membrane should be added to the operation and maintenance plan for the individual Pond or Waste Storage Facility application:

1. Where erosion has damaged the flexible membrane liner and/or soil cover, identify the source of the water causing the erosion, repair liner damage and soil cover, and implement corrective measures to divert the water or control the erosion.
2. Where the soil cover has slipped along the sides of the pond and the flexible membrane liner is exposed, consult a qualified professional to determine the cause of the slippage, identify any needed corrective measures, and implement the corrective measures.
3. Repair any settlement or erosion that occurs with soil and reseed or resurface, as needed.
4. Check frequently for burrowing animals. When found, remove the burrowing animals, and, where needed repair flexible membrane liner, replace soil cover, and reseed or resurface.
5. Install and maintain a fence to prevent damage to the flexible membrane liner from animals, humans, vehicles, and/or equipment.
6. Include the following in inspections of the pond or waste storage facility:
 - a. Check visible portions of liner for tears, punctures or other damage
 - b. Check visible portions of liner interface with inlets, outlets, ramps, and other appurtenances for damage.
 - c. Check for bulging or ballooning (“whales”) of the liner indicating the presence of gas or water accumulation beneath the liner
 - d. Check venting system ensuring there is no blockage of vent outlets or damage to venting system that would allow water or waste to get behind the liner.
7. Follow manufacturer’s monitoring procedures for leak detection systems, including alarm level leakage rates and actions to be taken if these rates are exceeded
8. Repair any damage as soon as possible. Follow liner manufacturer’s recommendations for liner repairs.



Operation and Maintenance Plan



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Additional Operation and Maintenance Requirements Specific to this Plan: _____

Multiple horizontal lines for writing additional requirements.

CONTACT YOUR LOCAL NRCS OFFICE FOR ANY ADDITIONAL TECHNICAL ASSISTANCE YOU MIGHT NEED FOR IMPLEMENTATION OF THIS O&M PLAN FOR YOUR CONSERVATION PRACTICE.

This O&M Plan was discussed and a copy provided to the landowner/operator.

Date:

Signed by the Responsible Landowner/Operator

Date:

Signed by the Responsible NRCS Employee/Conservation Partner