

Conservation Practice Standard Overview

Pond Sealing or Lining, Flexible Membrane (521A)

Pond sealing or lining is the installation of a liner for a pond or waste impoundment consisting of a continuous synthetic flexible material.

Practice Information

The purpose of this practice is to control seepage from water and waste impoundments for the purposes of water conservation and environmental protection. This method of pond sealing is relatively expensive, but often necessary for sandy textured sites and projects that require a very effective sealant

This practice applies on ponds and waste storage structures that require treatment to control seepage rates within acceptable limits, and to prevent the migration of contaminants offsite. Subgrade materials must not contain sharp, angular stones or any objects that could damage the liner or adversely impact its function.

Operation and maintenance required for this practice include periodic inspection of the visible portions of the liner for tears, punctures, or other damage; and monitoring



the liquid level in the structure for the design capacity.

Common Associated Practices

Pond Sealing or Lining, Flexible Membrane (521A) is commonly applied with conservation practices, such as Irrigation Reservoir (436), Pond (378), Waste Storage Facility (313), and Waste Treatment Lagoon (359).

For further information, contact your local NRCS field office.