



Conservation Practice Standard Overview

May 2016

Pond Sealing or Lining-Concrete (Code 522)

Pond sealing or lining is used for a pond or waste storage impoundment using reinforced or nonreinforced concrete.

Practice Information

The purpose of this practice is to reduce seepage losses from water and waste impoundments constructed for water conservation and environmental protection.

This practice applies where—

- In-place natural soils have excessive seepage rates.
- Construction of a compacted soil liner is not feasible with available soils.
- Use of impoundment requires concrete both as a liner and a protective subgrade cover.

Maintenance activities required for this practice consist of those operations necessary to prevent and/or repair damage to the concrete liner. This includes, but is not limited to—

- Visually inspecting liner annually.
- Excluding animals.
- Repairing damage to concrete liner, as necessary. Repairing liner to its original condition.
- Preventing damage from roots of tree and large shrubs by removing such vegetation at first appearance.
- Preventing and/or repairing rodent damage to concrete subgrade.

Common Associated Practices

Pond Sealing or Lining-Concrete (Code 522) is commonly applied with conservation practices such as Irrigation Reservoir (Code 436), Pond (Code 378), Waste Storage Facility (Code 313), and Waste Treatment Lagoon (Code 359).

For further information, contact your local NRCS field office.

