



## Conservation Practice Standard Overview

May 2016

### **Pond Sealing or Lining, Compacted Soil Treatment (Code 520)**

Pond sealing or liner for a pond or waste storage impoundment constructed using compacted soil with or without soil amendments.

#### **Practice Information**

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

This practice applies where—

- In-place natural soils have excessive seepage rates, and
- An adequate quantity and type of soil suitable for constructing a compacted soil liner without amendments is available, or
- An adequate quantity and type of soil suitable for treatment with a soil dispersant or bentonite amendment is available for an amended soil liner. Alternatives to compacted clay liners should be considered for poor foundation conditions such as karstic bedrock, joints, and other discontinuities of the underlying bedrock.

Operation and maintenance required for this practice include operations necessary to prevent and/or repair damage to the compacted soil liner. This includes, but is not limited to, excluding animals and equipment from the treated area and repairing damage to the liner occurring from erosion during initial filling to its original thickness and condition. Damage that might be caused by roots from trees and large shrubs should be prevented by removing such vegetation at first appearance.

#### **Common Associated Practices**

Pond Sealing or Lining, Compacted Soil Treatment (Code 520) 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.

