Conservation Practice Standard Overview

Pond Sealing or Lining, Soil Dispersant Treatment (521B)

Pond sealing or lining is the installation of a liner for a pond or waste impoundment consisting of a compacted soil-dispersant mixture.

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 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.

The dispersant tetrasodium pyrophosphate (TSPP), sodium tripolyphosphate (STPP), or soda ash must be used unless laboratory tests using other dispersant types are used in the design.

Operation and maintenance required for this practice include operations necessary to prevent and/or repair damage to the dispersant-treated soil liner. This includes, but is not limited to; excluding animals and equipment from the treated area; repairing damage to the liner occurring from erosion during initial filling. 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, Soil Dispersant Treatment (521B) 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.