

**NATURAL RESOURCES CONSERVATION SERVICE  
CONSTRUCTION SPECIFICATIONS**

**POND SEALING OR LINING  
SOIL DISPERSANT TREATMENT**

**1. Scope**

The work shall consist of all construction activities and furnishing all materials as required by the construction plans and specifications for the installation of the soil dispersant treatment.

**2. Location**

Location of the pond, water storage, or waste storage structure where the dispersant-treated soil liner should be installed shall be as specified on the construction plans or as staked in the field.

**3. Site Preparation**

The area to be treated shall be drained and free of standing water. All vegetation, trash, stones, and other objects large enough to interfere with the operation shall be removed. Holes shall be filled with compacted on-site material.

**4. Excavation**

Topsoil shall be stockpiled for spreading on the fills as needed to help establish vegetation. Excavate below the finished grade to allow for construction of the liner and the cover layer as shown on the construction plans.

**5. Application**

Soil dispersant shall be spread uniformly at the specified application rate. The soil dispersant may be applied using an agricultural seed or fertilizer spreader or other approved equipment.

**6. Mixing**

Soil dispersant shall be thoroughly mixed with a disk, roto-tiller, or other suitable approved mixing equipment.

**7. Moisture**

Water shall be added to the soil (or dried if too wet) as required to reach the recommended moisture content. The moisture shall be as stated in the construction plans or construction details. The minimum moisture content shall be such that, when kneaded in the hand, a ball will form readily.

**8. Compaction**

The method of compaction shall achieve a minimum of 90 percent of the maximum density as determined by the Standard Proctor Test of American Society for Testing and Materials (ASTM) D 698.

The thickness of each lift shall be a maximum of 9 inches loose material to be compacted to a layer approximately 6 inches thick.

A protective cover layer of 6 inches of on-site material shall be applied and properly compacted over the dispersant-treated soil liner to protect it from drying cracks.

**9. Safety**

Dust mask and goggles shall be worn by personnel on-site during soil-dispersant application and mixing for protection against soil-dispersant dust.

**10. Measurement**

Unless otherwise specified in the construction details, measurement shall be to the units shown in the construction plans.

**11. Construction Details**