

**NATURAL RESOURCES CONSERVATION SERVICE  
CONSERVATION PRACTICE SPECIFICATION**

**POND SEALING OR LINING**

**SOIL DISPERSANT TREATMENT  
CODE 521B**

**1. SITE PREPARATION**

The area to be treated shall be cleared of all vegetation and trash and all stones large enough to interfere with operation of the compaction equipment.

**2. DISPERSANT CHEMICALS**

a. Dispersant chemicals shall be distributed evenly over the treatment area with a drill, seeder, fertilizer spreader, or by hand broadcasting. If the chemicals are broadcast by hand, the treatment area must be staked or otherwise marked in grids no larger than 100 feet by 100 feet.

b. The chemicals shall be thoroughly mixed into the layer of soil to be treated. Mixing shall be done with a disk, rototiller, pulverizer, or similar equipment. A second mixing shall be perpendicular in direction to the first mixing.

**3. MOISTURE CONTENT**

a. The moisture content of the soil must be near optimum for compaction.

b. Required moisture shall be added by sprinkling prior to the chemical mixing process.

c. Excess moisture may be removed by disking.

**4. COMPACTION**

a. Each treated layer of soil shall be compacted to a dry density of 90 percent or more of maximum standard Proctor density with the soil at optimum or slightly higher optimum moisture content.

b. The compaction tests must be performed on each layer by a professional engineer registered to practice in New Mexico.

**5. CONSTRUCTION**

a. Construction shall be carried out in such a manner that erosion and air and water pollution are minimized.

b. The completed job shall present a workmanlike finish.

**6. TESTING**

Materials to be used for waste impoundment shall be tested for permeability by a professional engineer registered to practice in New Mexico. The test may be performed in a laboratory.

**7. MEASUREMENT**

Ponds shall be counted and measurement shall be by the square yard.

**8. DOCUMENTATION**

Documentation shall include cross section, thickness and type of lining, quality of materials used, compaction test results, and permeability test results, if applicable.

**9. OPERATION AND MAINTENANCE**

Guidelines for operation and maintenance are outlined in Conservation Practice Standard 521B.