

**NATURAL RESOURCES CONSERVATION SERVICE
CONSERVATION PRACTICE SPECIFICATION**

**POND SEALING OR LINING
SOIL DISPERSANT TREATMENT**

CODE 521B

SPECIFICATION

SITE PREPARATION

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

CONSTRUCTION

The moisture content of the soil must be near optimum for compaction. Sealing chemicals shall be distributed evenly over the surface to be treated with a drill, seeder, or fertilizer spreader or by hand broadcasting. If broadcast by hand, the area must be staked or otherwise marked in grids of 100 square feet.

The chemicals shall be thoroughly mixed into the 6 – 8 inch layer of soil being treated. Mixing shall be done with disk, rototiller, pulverizer, or similar equipment. A second mixing shall be perpendicular to the first mixing.

If moisture is inadequate for maximum compaction, water shall be added by sprinkling during the mixing operation. If the moisture content is too high, the soil shall be dried by disking or some other effective process.

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

PROTECTION

Treated areas shall be protected from puncture by livestock trampling. Areas near the normal waterline and at points of concentrated surface flow into the pond shall be protected against erosion.

Sediment coagulating chemicals, such as gypsum or iron sulfate, shall not be used to clear reservoir water after treatment.

**OVERALL QUALITY AND
WORKMANSHIP**

Construction shall be carried out in such a manner and sequence that erosion and air and water pollution are minimized and held within legal limits. The completed job shall present a workmanlike finish.