

**NATURAL RESOURCES CONSERVATION SERVICE**  
**Wyoming**  
**CONSTRUCTION SPECIFICATIONS**  
**FOR**  
**POND SEALING OR LINING**  
**SOIL DISPERSANT TREATMENT**

(Owner/Operator)	(Project Title)
<p><b>GENERAL</b></p> <p>Installation shall be in accordance with an approved design and plan. Details of construction shown on the drawings but not included herein are considered as a part of this specification. Construction activities shall be in accordance with applicable OSHA regulations.</p> <p>Personnel on site during the application or the mixing of the soil dispersants shall wear a mask and goggles.</p> <p><b>MATERIALS</b></p> <p>The dispersant shall be of the type specified on the drawings or in the ADDITIONAL SPECIFICATIONS. When laboratory tests are required to determine application rates of the soil dispersant to meet a specified permeability, the laboratory tests shall be performed using the specific soil dispersant of the same source and type proposed for use and soil materials proposed for constructing the liner. Dispersant materials for liners shall comply with all federal, state and local laws, rules and regulations.</p> <p><b>SITE PREPARATION</b></p> <p>The area to be treated shall be cleared of all vegetation, organic materials, rocks or other objects that will interfere with the operation of the mixing or compaction equipment. The subgrade for the liner shall be compacted to provide a firm, unyielding foundation.</p> <p><b>PLACEMENT</b></p> <p>The soil dispersant material shall be distributed evenly at the specified rates over the surface of each layer to be treated. The dispersant shall be thoroughly mixed into each soil layer by mixing</p>	<p>with a disk, rototiller, pulverizer or similar equipment. The moisture content of the soil materials shall be in the range of optimum moisture for compaction to 2 percent above optimum. Water shall be added by sprinkling after the mixing operation if the soil moisture content is too low. Soils that are too wet will be dried by discing or other suitable means before the spreading of the dispersant.</p> <p>A sheepfoot or tamping type roller equipment is preferred for compacting the individual liner layers.</p> <p>Unless otherwise specified the maximum thickness of individual lifts prior to compaction shall be 9 inches.</p> <p><b>COMPACTION</b></p> <p>Unless otherwise specified each layer of the liner shall be compacted to at least 90 percent of maximum standard proctor density.</p> <p>Liner materials not meeting the required minimum density or not within the specified moisture range shall be removed, replaced and/or reworked to achieved the specified moisture content and density.</p> <p><b>PROTECTION</b></p> <p>Unless otherwise specified a 6-inch minimum thick soil cover shall be placed over the surface of the compacted soil liner.</p> <p><b>ADDITIONAL SPECIFICATIONS</b></p>