

# POND SEALING OR LINING BENTONITE TREATMENT

## INSTRUCTIONS FOR USE OF SPECIFICATION PA 521C

### 1. APPLICABILITY

Construction Specification PA 521C is applicable to installation of bentonite treated soil liners for ponds, wetlands, and agricultural waste storage and treatment facilities.

### 2. ITEMS TO BE INCLUDED IN SECTION 10 AND/OR DRAWINGS

- |   |   |
|---|---|
| <ul style="list-style-type: none"> <li>a. Material requirements, including but not limited to the type and source of bentonite and application rate.</li> <li>b. Dimensions of the area to be lined</li> <li>c. Maximum fill lift thickness.</li> <li>d. Total liner thickness.</li> <li>e. Allowable/desired moisture content of soil prior to adding bentonite, per Section 7.</li> <li>f. Allowable/desired moisture content of soil-bentonite mixture for compaction, per Section 8.</li> <li>g. Specify compaction Class A, B, or C per Section 8. For Class C, specify type and weight of compaction equipment and required number of passes</li> </ul> | <ul style="list-style-type: none"> <li>h. Special foundation requirements, including drainage where applicable.</li> <li>i. Location and type of outlet for leak detection system, where applicable.</li> <li>j. Sealing requirements at pipes, ramps, or other appurtenances.</li> <li>k. Any special field quality control testing requirements.</li> <li>l. Curing and/or protective soil cover over bentonite liner, per Section 9.</li> <li>m. Safety components, including emergency egress, fencing, signs.</li> <li>n. Erosion and sediment control.</li> <li>o. Vegetative requirement</li> <li>p. Special equipment needs</li> <li>q. Reference to other practice specifications (e.g. 606, 313P, 382, 342), where applicable.</li> </ul> |
|---|---|