

# POND SEALING OR LINING COMPACTED SOIL TREATMENT

## INSTRUCTIONS FOR USE OF SPECIFICATION PA 520

### 1. APPLICABILITY

Construction Specification PA 520 is applicable to installation of compacted soil liners for ponds and waste storage impoundments.

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

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| <ul style="list-style-type: none"> <li>a. Material requirements, including but not limited to the type and source of soil, bentonite, dispersant, and their respective 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 or dispersant, if any, per Section 4.</li> <li>f. Allowable/desired moisture content of soil 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 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. PA606, PA313, PA382, PA342), where applicable.</li> <li>r. PA One-Call SN#</li> </ul> |
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