

POND SEALING OR LINING – BENTONITE TREATMENT INSTRUCTIONS FOR USE OF SPECIFICATION 521C

1. APPLICABILITY

Construction Specification 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

- a. Material requirements, including but not limited to:
 - (1) Type and source of bentonite and application rate.
- b. Dimensions of the area to be lined
- c. Maximum fill lift thickness.
- d. Total liner thickness.
- e. Allowable/desired moisture content of soil prior to adding bentonite, per Section 7.
- f. Allowable/desired moisture content of soil-bentonite mixture for compaction, per Section 8.
- 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
- h. Special foundation requirements, including drainage where applicable.
- i. Location and type of outlet for leak detection system, where applicable.
- j. Sealing requirements at pipes, ramps, or other appurtenances.
- k. Any special field quality control testing requirements.
- l. Protective soil cover over liner, per Section 9.
- m. Reference to other practice specifications (e.g. 606, 313P, 382, 342), where applicable.