

POND SEALING OR LINING – FLEXIBLE MEMBRANE INSTRUCTIONS FOR USE OF SPECIFICATION 521A

1. APPLICABILITY

Construction Specification PA521A is applicable to installation of flexible membrane liners for ponds, and waste storage impoundments.

2. ITEMS TO BE INCLUDED IN SECTION 15 AND/OR DRAWINGS

- a. Material requirements, including but not limited to:
 - (1) Liner thickness
 - (2) Cushion geotextile, if required
 - (3) ASTMs of other membranes not in Spec PA521A
- b. Dimensions of the area to be lined
- c. Special foundation requirements, including drainage, and treatment with a soil sterilant where needed.
- d. Location and type of outlet for leak detection system
- e. Venting requirements, if other than per manufacturer
- f. Sealing requirements at pipes, ramps, or other appurtenances
- g. Any special field quality control testing requirements; e.g. ASTMs
- h. Reference to other practice specifications (e.g. PA606, PA313P, PA382, PA342), if applicable.
- i. Safety components, including means of emergency egress, fence, signs
- j. PA One-Call SN#
- k. Erosion and sediment control
- l. Vegetative requirements