

# WASTE TREATMENT LAGOON

## INSTRUCTIONS FOR USE OF SPECIFICATION 359

### 1. APPLICABILITY

Construction Specification 359 is applicable to installation of lagoons for the treatment of agricultural wastes.

### 2. ITEMS TO BE INCLUDED IN SECTION 8 AND/OR DRAWINGS

- a. Material requirements, including but not limited to:
  - Reference to Specification 521A, B, C, or D as applicable if a flexible membrane, soil dispersant, bentonite, or soil liner is required.
  - Reference to Specification 313P if there are concrete, wood or fasteners included in the design, or a complete detailing of the requirements for those materials, including concrete strength, wood species and grade, or strength, and fastener requirements.
  - Complete detailing of other material requirements, such as geotextiles, as applicable.
  - Earth fill and clay liner descriptions & borrow sources.
- b. Core trench requirements, if any beyond those specified in Section 4.
- c. Excavation and fill work limits.
- d. Foundation requirements, including drainage, treatment of open joints, fractures, and solution channels.
- e. Borrow source(s) for embankment, pipe backfill, and liner as applicable.
- f. Placement method and moisture requirements for embankment and clay liner along with method of verification.
- g. Installation requirements for any materials or appurtenance not included in Specification.
- h. Reference to other practice specifications (e.g. 521, 313P, 606, 382, 634, 342 or others), if applicable.
- i. Safety components ( e.g. fence, signs, safety ropes)
- j. Erosion and sedimentation control plan during construction.
- k. Practices to keep off-site stormwater out of facility and safely convey.
- l. Vegetative requirements
- m. Protection against damage or scour from treatment equipment such as; aerators, etc.
- n. Gauge or other device to show key operating levels.
- o. Leakage monitoring system if required.