

PA 309 - AGRICHEMICAL HANDLING FACILITY

INSTRUCTIONS FOR USE

1. APPLICABILITY

Construction Specification 309 is applicable to installation of Agrichemical Handling Facilities. This includes, but is not limited to, structures composed of reinforced concrete, wood, plastic, steel, masonry and combinations thereof. It applies to site specific designs which may include component standard detail drawings and specifications prepared by others and concurred in by NRCS.

- (15) Masonry type and reinforcing
- (16) Drainage and bedding materials

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

- a. Material requirements, including but not limited to:
 - (1) Concrete strength other than 5000 psi with a w/c ratio of less than or equal to 0.40
 - (2) Cement type if other than II or V
 - (3) Reinforcing steel grade, if > 40 ksi
 - (4) Any special concrete admixture requirements
 - (5) Any special curing requirements
 - (6) Specific type of surface coating or sealant if used
 - (7) Specific type of preformed expansion joint filler if required
 - (8) Specific type of waterstop material if required
 - (9) Precast or cast in place sump details
 - (10) Metal type and grade
 - (11) Wood species and grade, or strength
 - (12) Truss span and loading conditions
 - (13) Geotextile type
 - (14) Pressure treated wood and fastener requirements

- b. Applicable dimensions, plan view, work limits, excavation/fill limits, finished grades and elevations
- c. Structural requirement limitations and restrictions such as:
 - (1) fill requirements, including compaction
 - (2) Spoil location(s)
 - (3) foundation and drainage requirements
- d. Safety components (e.g. shower, eyewash, ventilation, fences, steps, gates, locks)
- e. Identify permit needs where applicable
- f. Erosion and sediment control
- g. Temporary and permanent vegetative requirements
- h. Reference to other practice specifications (e.g. 313, 342, 362, 558, 560, 561, 382, 606, 620, 516, 533), if applicable.
- i. Any requirements for approval by the Engineer.

References:
 National Engineering Handbook, Part 642,
 Construction Specification 31- Concrete for Major Structures
 "Design and Control of Concrete Mixtures" Portland Cement Association, Current Edition