

ATCP 33

Fertilizer and Pesticide Bulk Storage

DATCP Notification

- Submit plans for new construction.
- Notify in advance of installing/replacing tanks.

Minimum Design Standards and Requirements

- Minimum Design Standard
 - Concrete mix and load pads and secondary containment structures
 - Based upon weight of vehicles, size of tanks, etc.
- Designed by PE



Sumps

- Newly Constructed Sumps
 - Liquid-tight
 - Capacity and size restrictions
 - No conduits or piping
 - Continuous pour with concrete
 - Concrete thickness same as elsewhere
- Existing Sumps
 - Liquid-tight
 - Conduits and piping: annually pressure tested



Mixing and Loading Pads

- Bulk dry fertilizer mixing and loading pad
 - No tarps
 - Dust control on unload chute < 2 feet gap
- Liquid mixing and loading pads, new
 - 1,000 gallons or 125 % largest tank
 - Minimum 15' x 15' area AND 250 gallons - low area on pad with no concrete joints

Mixing and Loading Pads (cont.)

- Liquid mixing and loading pads, all
 - Pump available, tank with 200 gallons available
 - No precipitation drains, existing drains permanently sealed in 6 months

Secondary Containment Structures

- Wall height (new structures)
 - Maximum of 4 foot
 - Minimum of 4 inches
- Prohibits solid masonry block walls
- Allows use of tank-in-tank and bladder-tank
- Requires 2 foot separation between tanks and between tank and wall

Storage Containers and Connections

- Field-erected built and inspected per API standard
- Tanks anchored outside containment structure unless properly designed

Rainwater and Rinsate Management

- Rainwater within secondary containment and mix/load pads must be:
 - Recovered
 - Stored within a tank in containment
 - Used as a pesticide or fertilizer, or
 - Disposed of per applicable waste regulations

Structure Failure & Removal

- Department can test sumps, pads & containment structures.
- Removal of structure if structure cannot be adequately repaired



