

## Secondary Containment for Farms

- ✓ Existing farm fertilizer storage tanks that must dike by January 1, 2007 are those that:
  - ☞ have a storage tank of 5,000 gallons or more at one location; or
  - ☞ have more than one storage tank with an aggregate capacity of more than 5,000 gallons at one location; and
  - ☞ store fertilizer for more than 30 days.
  
- ✓ All new farm fertilizer storage tanks over 5,000 gallons that store fertilizer for more than 30 days must have secondary containment.
  
- ✓ Plans for secondary containment must meet all applicable zoning regulations, building standards, and fire codes.
  
- ✓ Plans for secondary containment must be approved by the Ohio Department of Agriculture.
  
- ✓ The storage tanks must comply with the following requirements:
  - ☞ the tanks must be equipped with a lockable liquid level gauging device;
  - ☞ the tanks must be secured to prevent flotation;
  - ☞ each tank must have its designed capacity and the identity of its contents stenciled on a visible side of the tank;
  - ☞ each tank must have a lockable shutoff valve.
  
- ✓ Appurtenances (plumbing, pumps, valves, gauges, fittings, etc.):
  - ☞ must be in the diked area or have a separate means of containment;
  - ☞ all hoses for loading and unloading must have a shut-off valve;
  - ☞ must be supported to prevent sagging & protected to prevent damage.
  
- ✓ All secondary containment shall:
  - ☞ have 10% more volumetric capacity than the largest storage tank located within the containment area;
  - ☞ not have a tank over 15 feet tall less than four feet from the base of the containment;
  - ☞ be constructed of materials to prevent vertical movement of fertilizer at a rate not to exceed thirty five hundredths of an inch per day.
  
- ✓ Checks and/or inspections are needed:
  - ☞ weekly for equipment;
  - ☞ monthly for a visual inspection of the exterior surfaces;
  - ☞ monthly for all spill equipment;
  - ☞ yearly using an API 653 checklist for the exterior of the tanks;
  - ☞ once every five years using an API 653 checklist for the interior of the tanks.
  
- ✓ Records are required:
  - ☞ weekly for recording the liquid level of each tank with fertilizer in it;
  - ☞ whenever there is a discharge of fertilizer outside the containment area;
  - ☞ for all repairs and maintenance work performed on each tank.