



Office of
INDIANA STATE CHEMIST AND SEED COMMISSIONER

Protecting Indiana's Agriculture and Environment - Feed, Fertilizer, Hemp, Pesticide and Seed

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Bulk Storage & Containment Requirements for Fertilizers & Pesticides

1. Applies to any facility that stores or has containers capable of storing at least:
 - a. Liquid fertilizer: single tank greater than 2,500 gallons or multiple tanks total greater than 7,500 gallons.
 - b. Dry fertilizer: greater than 12 tons.
 - c. Liquid agricultural pesticide: single tank 500 gallons.
 - d. Dry pesticide: 4,000 pounds.
 - e. Pesticide facilities include refillers whose principal business is retail sales, custom blenders, and commercial applicators <https://www.epa.gov/sites/default/files/2015-06/documents/pest-containm-scope.pdf>.
2. Bulk tanks must:
 - a. Be stored in secondary containment dikes.
 - b. Be durably marked with a serial number or ID code.
 - c. Have a vent.
 - d. Have a locked shutoff valve(s) when facility is not occupied.
 - e. Have no leaks from tank or plumbing.
 - f. Have no sight gauges on pesticide tanks; have locked sight gauges on fertilizer tanks.
 - g. Be anchored unless the level in the tank is higher than the top of the dike wall.
 - h. Have appurtenances and repairs made of compatible materials.
3. Containment dikes must:
 - a. Protected: min. cap. 100% of largest tank plus displacement of everything stored in dike.
 - b. Unprotected from precipitation:
 1. Pesticide: 110% of the capacity of the largest tank.
 2. Fertilizer: 6" additional wall height beyond capacity of largest tank.
 - c. Be sloped or walled to intercept and collect liquid.
 - d. Have no drains or openings in containment dike floor or walls.
 - e. Contain all plumbing (pumps, manifolds, valves, flexible hoses, etc.)
 - f. Be kept free of debris or other materials or equipment.
4. Loading and unloading pads must:
 - a. Be constructed with an impermeable surface (concrete).
 - b. Fertilizer: min. 10' x 20' and 750 gallons (100 ft³).
 - c. Pesticides: 100% of the cap. of largest tank used on pad or max. 750 gallons.
 - d. Be sloped to capture liquid.
 - e. Have all spills or discharges cleaned up promptly.
5. Pesticides: conduct monthly inspections, initiate same day repairs, and keep records for 3 years.
6. Details regarding these rules and requirements are available at:
 - a. <https://oisc.purdue.edu/fertilizer/pdf/A00020.pdf>
 - b. <https://www.epa.gov/sites/default/files/2015-05/documents/regulations-glance-table-7.pdf>