### STORAGE OF LIQUID BULK FERTILIZER

#### PESTICIDE & FERTILIZER BMP #2

**Description:**
Store liquid bulk fertilizer in a way that protects water quality by maintaining minimum distances from water resources.

**AWQA Minimum Requirements:**
- At a minimum, tanks should be confined within an earthen berm and bottom.
- Locate new storage facilities 100 feet minimum away from on-site wells and sinkholes, 200 feet from private domestic wells, 200 feet from springs and cisterns, and 400 feet from open-throated sinkholes and perennial streams.

You can find the definition of a sinkhole in 401 KAR 5:002 where it states that a sinkhole “means a naturally occurring topographic depression in a karst area. Its drainage is subterranean and serves as a recharge source for groundwater. It is formed by the collapse of a conduit or the solution of bedrock.” An open-throated sinkhole is a sinkhole with an internal opening or drain, including a cave, conduit, sub-conduit, or fissure, leading into the subsurface through which water and other materials can pass from the sinkhole into underlying solutional voids and conduits. Open throats may be air-filled or water-filled. Secondary containment structures should include a sump and/or collection point for temporary collection of spillage, leakage, rinsate, or other residues.

**Secondary Containment Structures shall be cleaned and rinsed within (72) hours after any release into the secondary containment.**

**Recommendations:**
- Uncontaminated precipitation collected should be discharged from containment areas. Contaminated precipitation collected should be applied to labeled target areas or disposed of by other approved methods.

### Technical References

- **Design Manual:** Designing Facilities for Pesticide and Fertilizer Containment
  Midwest Plan Service, Ag and Biosystems Engineering Department
  122 Davidson Hall, Iowa State University, Ames, IA 50011-3080.

- **REPORT A RELEASE IMMEDIATELY** to the Kentucky Energy & Environment Cabinet at 502-584-2380 or 800-929-2380.

### Funding Assistance Options

- **State Cost Share**
  - See your local Conservation District to apply.

- **Kentucky Ag. Development Fund (KADB/KACF)**
  - Select from available program options here.

- **NRCS Environmental Quality Incentives Program (EQIP)**
  - Select from available program options here.

### Important Considerations

**Water Quality Benefit ( – ):**
(KEY: =good, =best: see STEPL Model)