

AG. WATER QUALITY ACT



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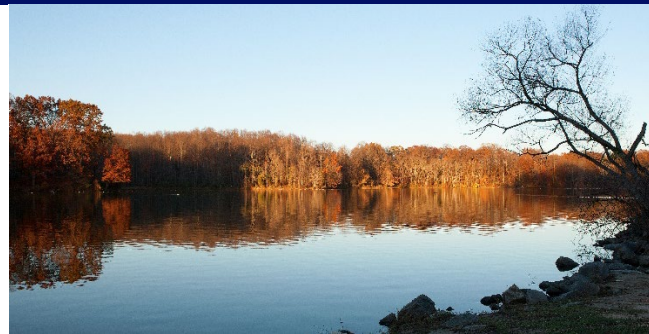


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TECHNICAL ASSISTANCE

FUNDING ASSISTANCE

IMPORTANT CONSIDERATIONS

STORAGE OF LIQUID BULK FERTILIZER

PESTICIDE & FERTILIZER BMP #2



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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, proto-

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. The sump or collection point shall not be greater than (2) feet deep and shall not contain more than 109 gallons. 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 502-564-2380 or 800-928-2380.

Funding Assistance Options

State Cost Share

- See your local Conservation District to [apply](#).

Kentucky Ag. Development Fund (KADB/KAFC)

- 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](#))