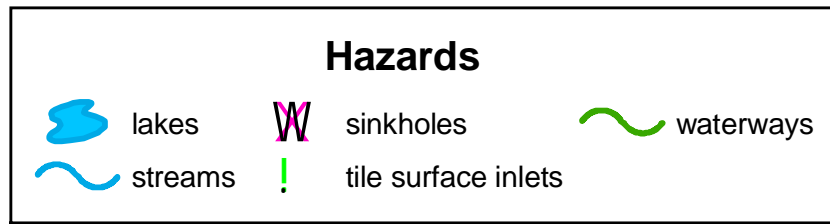


Manitowoc County Ordinance and Nutrient Management Restrictions



Ordinance manure prohibitions areas

§ Within 100 feet of wells, sinkholes & exposed bedrock

Restrictive Areas



Incorporate manure within 48 hours in these areas:

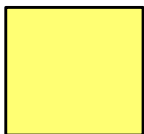
- § within 1,000 feet of lakes
- § within 300 feet of streams, ponds, tile surface inlets & sinkholes
- § slopes greater than 12 percent
- § within 50 feet of waterways & concentrated flow areas
- § drainage areas to sinkholes
- § *additional restrictive areas exists, but are not mapped*



Incorporate manure within 48 hours – slopes 6% - 12%

Exceptions:

- § Solid manure on 40% crop residue or hay
- § Liquid manure on 40% crop residue or hay between April 16 and November 30



Soils with high potential for nitrate leaching to groundwater

Summer applied manure for a crop that will be planted the following spring when soil temperatures > 50F

- § Delay application of solid or liquid manure until Sept 15, and limit available N to 90#/Ac.

OR

- § Limit liquid manure applications to 120# N or less available N; plus use nitrogen inhibitor

Summer applied manure for a fall seeded or perennial crop when soil temperatures > 50F

- § Limit solid or liquid manure applications to crop N use or 120# available N - whichever is less.

Fall applied solid or liquid manure when soil temperatures < 50 F

- § Limit available N applications to 120#/ acre or crop N requirement - whichever is less.

Commercial N applications

- § No fall commercial N applications, except for fall seeded crops. Commercial N application rates where allowed shall not exceed 30#/ac.

Additional N applications may be made in spring to meet crop requirements.