

# Manure Storage Requirements in Morrison County

## **Manure management plans are required:**

- When manure from a feedlot capable of holding 300 or more animal units is applied by someone other than a certified animal waste technician
- When applying for a Conditional Use Permit from the County (feedlot greater than 300 animal units)
- When a feedlot applies for an interim permit and has 100 or more animal units.

## **What are Manure Management Plans?**

Manure Management Plans describe how the manure generated at a feedlot facility is going to be used during the upcoming cropping year(s) in a way that meets all regulations, protects waters of the state, and maximizes the benefits of applying manure to cropland (MPCA Fact sheet Wq-f8.07)

## **What are Manure Land Application Records?**

They account for how the manure generated was utilized (field locations, total amount applied, rate of application, and crop nitrogen needs). Manure land application records are required for feedlots with 100 or more animal units.

## **Liquid Manure Pits**

- Require a land use permit from the County.
- If they are designed for liquid manure and have the capability of storing over 20,000 gallons of manure they need to be designed by a MN licensed professional engineer.
- If it is designed to hold less than 20,000 gallons then it does not require an engineer to sign the plans, but plans and specs are still required.
- If the feedlot is greater than 300 au and generates liquid manure, the lot must have 9 months of liquid manure storage.

## **Solid Manure Storage Areas (Stacking Slabs)**

- Require a land use permit from the County prior to construction.
- There is no storage requirement for solid manure.

## **Stockpiles**

- Must be removed within 12 months of piling
- Must not be located within 300 feet of flow distance or 50 horizontal distances of waters of the state, tile intakes, road ditches, sinkholes, non-farmed wetlands, and rock outcroppings.
- 100 feet from a private well or 200 ft if the well has less than 50 ft of watertight casing and is not cased through a confining layer at least 10 ft thick.
- 1,000 feet from a Public Supply Well
- 100 feet from drain tile with less than 3 ft of cover
- Maintain 2 ft of separation from the seasonal high water table.
- Must have vegetation cover or cropping history re-established at least one full growing season prior to the re-use of the site.
- Stockpiles cannot be located:
  - In shoreland (300 ft of a public river or stream) or floodplain
  - On land with greater than 6 percent slopes
  - On land with greater than 2 percent slopes without clean water diversions  
Land where the soil texture to a depth of five feet, except the plow layer, is entirely coarser than a sandy loam.