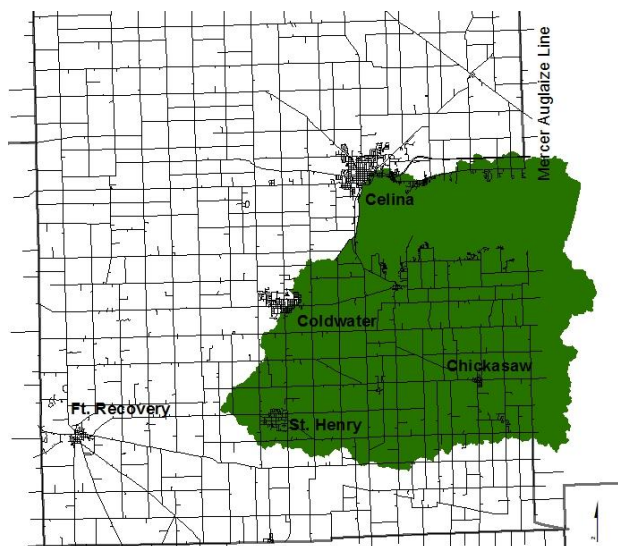


-Grand Lake St. Marys Watershed-

ALL MANURE MUST BE HANDLED ACCORDING TO NRCS PRACTICE STANDARD 590



◆ Manure Application

- ◆ Manure cannot be applied between December 15th and March 1st
- ◆ Before December 15th and after March 1st, manure cannot be applied on frozen ground or ground covered in more than one inch of snow.
- ◆ Before December 15th and after March 1st it is permissible to apply manure on frozen or snow covered ground only when manure is injected or incorporated within 24 hours of surface application.
- ◆ Manure cannot be surface applied if forecast for land application area contains greater than 50% chance of precipitation exceeding 0.5 inch for a period of 24 hours at the projected start of manure application.

◆ Records

- ◆ Keep records of manure storage volumes and ensure a minimum manure storage capacity of 120 days on December 1st of each year.
- ◆ Records of the local weather forecast shall be kept and made available upon request. Local weather forecasts and hourly weather graph information is available at www.weather.gov.
- ◆ Weather forecasts, manure tests, soil analyses, and manure storage volume records shall be kept for a minimum of five years and be made available upon request by the ODA Director or the designee.

◆ Nutrient Management Plan

- ◆ Operations producing, applying, or receiving 350 tons or 100,000 gallons of manure annually are required to have a Comprehensive Nutrient Management Plan or equivalent Nutrient Management Plan.
- ◆ Plans are to be updated every 3 years and/or with every 10% increase in animal units and/or a change in ownership.
- ◆ Nutrient management plans will be submitted to the ODA Director or the Soil and Water Conservation District Board of Supervisors for approval.
- ◆ The ODA Director or the designee will visit the operation every three years.

◆ Commercial Fertilizer Requirements

- ◆ Certification for fertilizer (non manure) application on 50 or more acres.
- ◆ Certification valid for 3 years.
- ◆ Commercial Fertilizer rules follow Senate Bill 150.
- ◆ Record application of fertilizer. Include: name, date, location of application, rate, type/analysis of fertilizer, application method, soil condition, weather as application, and forecast of next day.

PRODUCERS ARE REQUIRED TO FOLLOW THE NRCS NUTRIENT MANAGEMENT 590 STANDARD

For the complete Natural Resources Conservation Services Nutrient Management 590 document, go to the following link:

http://www.oardc.ohio-state.edu/ocamm/images/OH_590_Standard_2012.pdf

Senate Bill 150 can be found at:

<http://www.lsc.ohio.gov/analyses130/14-sb150-130.pdf>

For additional information, please contact the Mercer SWCD office at 419-586-3289 or the Auglaize SWCD office at 419-738-4016.

Table 4 from the NRCS Nutrient Management 590 Standard Ohio Document

Type of Sensitive - Setback Area	Setbacks Based on Methods of Manure Application	
	Surface Application	Surface Incorporation W/1 24 Hours OR Direct Injection
Residences / Private Wells down slope from the application area.	100 ft.	100 ft.
- Sinkholes	300 ft.	100 ft.
- Pond or Lake	- 35ft. Vegetative Barrier 1/ with the remaining 100 ft. setback in non- vegetative Setback 2/	- 35ft.Vegetative Barrier 1/
- Streams - Ditches - Surface Inlets	One of the following: - 35ft. Vegetative Barrier 1/ - 100 ft. setback in non- vegetative Setback, 2/ - 35 ft. in non-vegetative setback 3/	None
Grassed Waterway	35 ft.	None
Field Surface Drains	35 ft. 4/	None
Public Wells	300 ft.	100 ft.
Developed Springs	300 ft. upslope	300 ft. upslope
Public Surface Drinking Water Intake	300 ft.	300 ft.

1/ Permanent vegetation consisting of grass, grass/legume mix, trees/shrubs, or trees/shrubs and grass/legumes. Measured from top of bank.

2/ Includes 100 ft. total setback. The setback must include a minimum of 35 ft. of vegetative cover from top of bank with the remainder of the 100 feet with no vegetative requirement. The setback is measured from the top of bank.

3/ Applies if the manure application area has at least 50% vegetation/residue cover at the time of application.

4/ No setback required for field surface drains if the Additional Criteria to Protect Water Quality, Item 5 is applied from this standard.

5/ CAFO's must follow the setbacks defined in the Ohio Department of Agriculture (ODA) rules regarding manure application. See Table 5 – ODA Setbacks - Appendix A Table 1 of rule 901:10-1-14: Land Application Restrictions and Setbacks

6/ Excludes sludge that is regulated by the Ohio Environmental Protection Agency (OEPA) and septage regulated by the Ohio Department of Health.

Updated November 1, 2016