



Emergency Liquid Manure Application Plan

ODNR Division of Soil and Water Resources

Producer Name: _____
 Producer Signature: _____
 Producer Address: _____

 Date: _____

This plan has been developed in response to the extremely wet conditions experienced in the fall and early winter of 2011. It is estimated that _____ gallons of liquid manure will need to be land applied in the winter of 2011/2012. This plan is only valid for the winter 2011/2012.

Application on frozen and snow covered soil is not recommended. However, if manure application becomes necessary on frozen or snow covered soils (winter applications), only limited quantities of manure shall be applied to address waste storage limitations until non frozen soils and/or suitable conditions are available for manure application. These situations shall be documented in the producer's records.

In all cases recommendations and guidance in Ohio NRCS Standard 633, Waste Utilization, shall be followed. This Emergency Liquid Manure Application Plan requires the application of liquid manure onto frozen or snow covered ground (winter applications) shall:

- a. Have maximum application rate limited to 5000 gallons/acre.
- b. Be made on land with at least 90% surface residue cover (hay or pasture field, corn grain w/ residue remaining after harvest).
- c. Not be applied on more than 20 contiguous acres. Contiguous areas for application are to be separated by a break of at least 200 feet. Utilize those areas for manure application that are furthest from streams, ditches, waterways, surface water, etc (areas that present the least runoff potential and are furthest from surface water).
- d. Use a minimum setback distance of 200 feet from all surface water features
- e. The rate of application shall not exceed the rates specified in Table 4 - Determining The Most Limiting Manure Application Rates for winter application.
- f. Be applied in alternating strips 60 to 200 feet wide generally on the contour in fields with slopes > 6%.

Type of Sensitive – Setback Area	Setbacks Based on Methods of Manure Application		
	Surface Application	Winter Application - Frozen or Snow Covered Ground	Surface Incorporation within 24 hours
Residences / Private Wells Downslope from the Application Area	100 Ft	200 Ft	100 Ft
Sinkholes	300 Ft	300 Ft	
Pond or Lake	35 ft Vegetative Barrier w/ Additional 65' non vegetative barrier	35 ft Vegetative Barrier w/ Additional 165' non vegetative barrier	35 Ft
Streams Ditches & Roadside Ditches Surface Inlets	35 Ft Vegetative Barrier Or 100 Ft non-vegetative w/o residue Or 35 Ft non vegetative w/ > 50% residue	200 Ft	None
Grassed Waterway	35 Ft	200 Ft	None
Field Surface Drains	35 Ft	200 Ft	None
Public Wells	300 Ft	300 Ft	100 Ft
Developed Springs	300 Ft Upslope	300 Ft Upslope	300 Ft Upslope
Public Surface Drinking Water Intake	300 Ft	300 Ft	300 Ft

***Application maps should be attached, and application records should be recorded on the following page.**

Where the aforementioned conditions cannot be met and a winter emergency manure application plan is needed, the Division of Soil and Water Resources Chief may approve other appropriate methods or management practices.

