

MPCA GENERAL MANAGEMENT REQUIREMENTS FOR AGRICULTURAL SITES

The following separation distances must be maintained from each of the following features if they exist at the application site for the given application method.

Criteria	Surface Applied	Incorporation within 48 hrs.	Injection
Allowable slopes	0%-6%	0%-12%	0%-12%
Distance to wells			
Private supply	200 ft.	200 ft.	200 ft.
Public supply	1000 ft.	1000 ft.	1000 ft.
Irrigation	50 ft.	25 ft.	25 ft.
Distance to residences ¹	200 ft.	200 ft.	100 ft.
Distance to residential development ¹	600 ft.	600 ft.	300 ft.
Distance to public contact site	600 ft.	600 ft.	300 ft.
Surface Water Features			
Down Gradient² Lakes, Rivers, Streams, Type 3,4, and 5 Wetlands, Intermittent Streams³, Tile Inlets connected to these surface waters, and Sinkholes			
Slope 0%-6%	200 ft.	50 ft.	50 ft.
Slope >6%-12%	not allowed	100 ft.	100 ft.

Grassed Waterways⁴			
Slope 0%-6%	100 ft.	33 ft.	33 ft.
Slope 6%-12%	not allowed	33 ft.	33 ft.

¹Separation distances may be reduced with written permission from all persons responsible for residential developments and places of recreation and all persons inhabiting within the otherwise protected distance.

²If downgradient surface water does not receive runoff because the site is bermed, separation distances can be reduced to 33 feet.

³For the purpose of this item, intermittent stream means a drainage channel with definable banks that provides for runoff flow to any of the surface waters listed in this item during snow melt or rainfall events.

⁴Separation distances are from the centerline of grassed waterways. For grassed waterways which are wider than these separation distances, application is allowed to the edge of the grass strip. Grassed waterways are natural or constructed, typically broad and shallow, and seeded to grass as protection against erosion.

Frozen or Snow-Covered Ground

During the time the ground is frozen or snow-covered, application of biosolids is allowed only on land with slopes of 0 to 2%. In addition to the slope requirement, application of liquid biosolids is restricted to a maximum rate of 15,000 gallons per acre and the separation distance to Surface Water Features in the table above increases to 600 ft.

Public Access

Access to agricultural application sites by the general public must be controlled for 30 days. The MPCA considers private farm land inaccessible to the general public due to the Minnesota Trespas Law. However, if the site is located in an area where public access is not easily controlled, signs or fences may be necessary to prevent the public from trespassing.

Application Rates

The application rate of biosolids is based on the nitrogen needs of the crop to be grown on the site. All other forms of nitrogen fertilizers that may be applied for the same crop must be taken into account when determining the biosolids application rate. This is done to ensure that excess nitrogen, which could potentially impact our water resources, is not applied.