

Land Application Regulations & Recommendations

Provisions for Waste Application

Bradshaw Enterprises, Newman Farms does not own or operate fields where manure may be applied. A third party applicator accepts all the liquid from the waste holding ponds and obtains agreements from adjacent (generally) landowners to apply waste water to fields they own., A listing of the fields the waste applicator may use is attached with the application rate calculations for each source type. It is recommended that no manure will be applied on fields unless the soil phosphorus test (Bray 1 or Mechlich) is 300 lb/acre or less.

The following provisions of 8 IAC 900.803 (o) through (u) shall be met or exceeded when applying waste. These and other restrictions are identified on the attached aerial photos or other field maps.

- o) *A provision that livestock waste applied within 1/4 mile of any residence not part of the facility shall be injected or incorporated on the day of application. However, livestock management facilities and livestock waste handling facilities that have irrigation systems in operation prior to May 21, 1996, or existing facilities applying waste on frozen ground, are not subject to the provisions of this subsection (o) [510 ILCS 77/20(f)(5)];*
- p) *A provision that livestock waste may not be applied within 200 feet of surface water unless the water is upgrade or there is adequate diking and waste will not be applied within 150 feet of potable water supply wells [510 ILCS 77/20(f)(6)];* **(EXCEPT CAFO's SHALL MAINTAIN 200' FROM A POTABLE WATER WELL)**
- q) *A provision that livestock waste may not be applied in a 10-year flood plain unless the injection or incorporation method of application is used [510 ILCS 77/20(f)(7)];*
- r) *A provision that livestock waste may not be applied in waterways. [510 ILCS 77/20(f)(8)]* For the purposes of this Part, a grassed area serving as a waterway may receive livestock waste through an irrigation system if there is no runoff, the distance from applied livestock waste to surface water is greater than 200 feet, the distance from applied livestock waste to potable water supply wells is greater than 150 feet; the distance from applied livestock waste to a non-potable well, an abandoned or plugged well, a drainage well, or an injection well is greater than 100 feet; and precipitation is not expected within 24 hours;
- s) *A provision that if waste is spread on frozen or snow-covered land, the application will be limited to land areas on which:*
 - 1) *land slopes are 5% or less; or*
 - 2) *adequate erosion control practices exist [510 ILCS 77/20(f)(9)];*
- t) For livestock facilities utilizing an earthen lagoon or other earthen waste storage structure, a provision that the owner, operator, or certified livestock manager shall inspect all bermtops, exterior berm sides, and non-submerged interior berm sides for evidence of erosion, burrowing animal activity, and other indications of berm degradation on a frequency of not less than once every two weeks; and
- u) A provision that livestock waste may not be applied during a rainfall or to saturated soil and that conservative waste loading rates will be used in the case of a high water table or shallow earth cover to fractured bedrock. Caution should be exercised in applying livestock wastes, particularly on porous soils, so as not to cause nitrate or bacteria contamination of groundwaters.

Professional waste applicators retained by the Defendant shall handle all wastes. All land application of waste shall be performed in a manner that prevents runoff and odor and in accordance with all applicable regulations and NPDES Permit.