



Background and Description: Stockpiling of manure can be a relatively environmentally safe method of temporarily storing manure. This practice can be utilized when field and/or soil conditions are not suitable for spreading. This practice is not a substitute for adequate manure storage. It is intended for short term storage (6 months or less) of solid manure in the field in which it will be applied. Solid manure is defined as dry poultry manure or manure having a minimum of 25% solid content.

Purposes: (Check all that apply.)

- Better utilize manure nutrients.
- Greater flexibility in nutrient utilization.
- Reduce the risk of soil compaction.
- Reduce the risk of nutrients/contaminants reaching waters of the State.

Locating a manure stockpile: Locating an adequate site for a manure stockpile is very important and must be carefully considered. When rain or snow contacts the manure, the resultant leachate can carry contaminants and nutrients off-site into waters of the state or into ground water. This can have detrimental effects to the environment and/or to human health and result in a violation of federal and state regulations.



Requirements for a manure stockpile ¹¹: (Check to verify that all conditions have been met.)

- 1) Must be solid manure with bedding (minimum of 25% solids) or dry poultry manure.
- 2) Planned stockpile cannot be stored for more than a 6-month period.
- 3) If the storage period will extend beyond 4 months and/or over winter, a 75-foot-wide vegetative buffer will be required.
- 4) Must be located on soils that are deep to bedrock (> 40 inches to bedrock). ¹²
- 5) May not be located on soils with a rapid or very rapid permeability (> 2.0 in./hr.) in the topsoil, subsoil or substratum to a depth of 40 in. ¹²
- 6) May not be located on slopes greater than 6%. ¹²
- 7) May not be located on occasionally or frequently flooded soils or below the 100-year floodplain elevation. ¹²
- 8) Limit the height of the pile to 7' and shape it to shed precipitation.
- 9) Locate manure stockpiles in or near the field in which the manure is to be applied. The volume of manure should approximately equal the amount that will be applied to the field at agronomic rates.
- 10) Consider covering the manure stockpile if stored more than 4 months, or over winter.

Siting Setback Requirements

- 1) Must be located a minimum of 300 feet from spring water collection systems, wells or sink holes. ¹²
- 2) Must be located a minimum of 1500 feet from any public surface drinking water intakes.
- 3) Must be located a minimum of 500 feet from neighboring residences.
- 4) Must be located a minimum of 300 feet from areas of concentrated flow such as waterways or surface drains located down gradient of the stockpile.
- 5) Must be located a minimum of 300 feet from any ponds, streams or waters of the state.
- 6) Must be a minimum of 300 feet from a tile inlet or broken tile.
- 7) Must be a minimum of 100 feet from a public road.

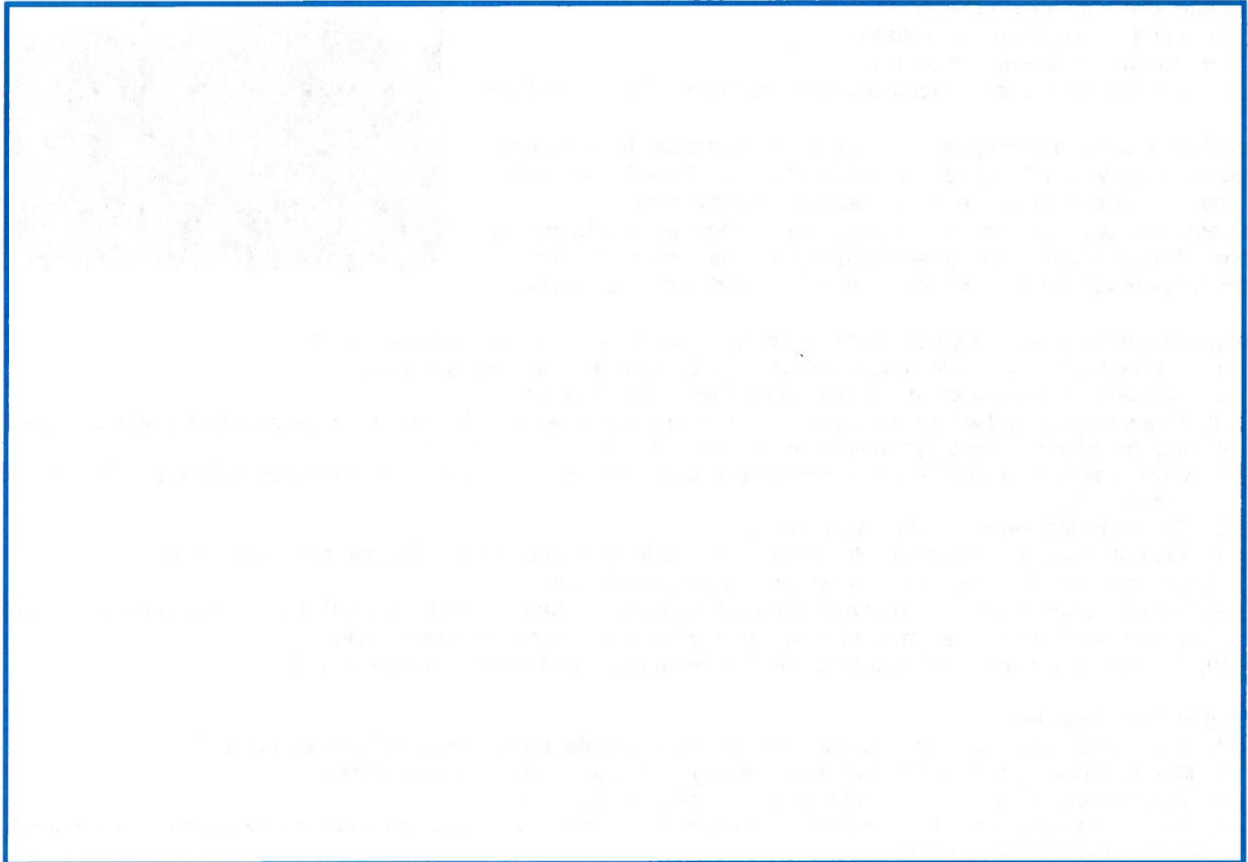
¹¹ **Other Regulations That May Apply:** Contact Ohio EPA-Division of Surface Water for sludge / biosolids stockpiling requirements or ODA regulations for permitted livestock facilities.

¹² **Information Sources:** Soil surveys and digital soils data contain information on flood frequency, hydric soils, depth to bedrock, soil permeability rates, and sink hole location.

Operations and Maintenance: Stockpiles should be inspected after significant rain events (½ inch or more) for leachate ponding or runoff. Take corrective action if needed. If tile lines are present, monitor the outlet for possible contamination and block or contain any flow. Monitor stockpile for flies, beetles and other pests and apply needed remedies. Possible remedies include chemical treatment of the manure or covering the stockpile for thermal treatment.

Producer:	
Farm Number / Tract Number:	

Map or Aerial Photo of Stockpile Location



Records:

Date manure was stockpiled:	
Volume of manure stockpiled:	
Dates stockpile was inspected (for pests and after rainfall)	
Date stockpile was land applied:	
Number of acres to which manure was applied:	

This Job Sheet was completed by: _____

Records are maintained by: _____