

# MANURE STORAGE FACILITY

## NEW CONSTRUCTION/ALTERATION PERMIT CHECKLIST

\_\_\_\_\_ Date Received from Zoning

\_\_\_\_\_ Date Approved by Conservation

Additional information requested:	Date Additional Information Received:
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**NEW CONSTRUCTION/ALTERATION PLAN REQUIREMENTS**

\_\_\_\_\_ The number, type, and size of animals for which storage is provided and the duration for which storage is to be provided.

\_\_\_\_\_ The type of bedding to be used in the operation and all aspects of handling and recovery of this bedding material.

\_\_\_\_\_ A plat plan drawn to scale (no smaller than 1 inch = 100 feet) showing:

- Facility location.
- Residences. The location of any residential buildings other than that of the owner of the premises, or owned by the owner of the premises but occupied by his/her family, agent or employee within 300 feet of the facility shall be identified.
- Property Lines. The location of any property lines within 350 feet of the facility shall be identified.
- Wells. The location of any wells within 500 feet of the facility shall be identified.
- Utilities. The location of all utilities within 500 feet of the facility shall be identified.
- State and federal highways, county and town roads, and public streets designated as roadways. The location of any roadway within 200 feet of the facility shall be identified.
- Navigable waters and drainage ways. The location of any navigable water and drainage ways within 300 feet of the facility shall be identified.
- Floodplains and other water bodies." The location of floodplains and other waterways within 100 feet of the facility shall be identified.

\_\_\_\_\_ Legal description of the proposed building site, scale of the drawings and a north arrow.

\_\_\_\_\_ Location, description and elevation of the temporary benchmark.

\_\_\_\_\_ The soil test pit locations and elevations all relating to the same temporary benchmark.

***Soil test pits must be verified by department staff at the time of investigation.***

Date of soils investigation: \_\_\_\_\_

Staff onsite: \_\_\_\_\_

\_\_\_\_\_ The soil test pit soil descriptions to a depth as required for the planned structure according to the NRCS Technical Standard 313. This would include the elevation of seasonally saturated soils, groundwater or bedrock if encountered in the soil profile and the date of any such determinations.

\_\_\_\_\_ The structural details of the facility, including, but not limited to:

- |   |   |
|---|---|
| <input type="checkbox"/> Dimensions         | <input type="checkbox"/> Reinforcing steel locations  |
| <input type="checkbox"/> Cross sections     | <input type="checkbox"/> Design loading details (when NRCS pre-approved designs and drawings are not used). |
| <input type="checkbox"/> Concrete thickness |   |

\_\_\_\_\_ The construction and material specifications, including, but not limited to applicable specifications for:

- |                                       |  |                                 |
|---------------------------------------|--|---------------------------------|
| <input type="checkbox"/> Earthen fill | <input type="checkbox"/> Concrete          | <input type="checkbox"/> Timber |
| <input type="checkbox"/> Excavation   | <input type="checkbox"/> Reinforcing steel | <input type="checkbox"/> Pipes  |

\_\_\_\_\_ Plans that address the safety requirements of the facility, including, but not limited to:

- Fence (unless facility has vertical walls 5 feet above the ground surface or the manure storage facility has a cover that will support foot traffic)
- Grate or tank cover, covering the opening to the pump or gravity flow collection pit, which is designed to withstand all load requirements. A barrier around the transfer system may be used in lieu of the grate only if the barrier provides protection to children and others.
- Proper ventilation is required in enclosed areas.
- Safety stops, gates, or both shall be installed at push-off ramps and load out areas of impoundments and structures to prevent accidental entry of tractors and other equipment.
- Manure storage facilities and their components shall have signs at all access points to warn of the danger of entry. The department may make such signs available.

\_\_\_\_\_ Provisions for adequate drainage and control of runoff to prevent pollution of surface water and groundwater.

\_\_\_\_\_ A time schedule for construction of the facility.

\_\_\_\_\_ An erosion control plan detailing how soil erosion will be handled during construction phases until seeding has become permanently established.

\_\_\_\_\_ The details and plans for the method and structures used in transferring manure into and from the facility.

\_\_\_\_\_ Plans that address the safety requirements of the facility as needed.

\_\_\_\_\_ An emergency response plan identifying the names and phone numbers of individuals or others to be notified in the event of any leaks, spills or other system failures that could discharge manure.

\_\_\_\_\_ A certification by a professional engineer registered in the State of Wisconsin, or an engineering practitioner certified by the Wisconsin Department of Agriculture, Trade and Consumer Protection (DATCP) or the NRCS that the plans meet technical and ordinance standards.

\_\_\_\_\_ An operation and maintenance plan for the facility.

\_\_\_\_\_ An updated or new nutrient management plan as per USDA Natural Resource Conservation Service (NRCS) Standard 590, which is based on the latest University of Wisconsin-College of Agriculture and Life Sciences research recommendations. This plan shall be updated on an annual basis.