

ANIMAL WASTE STORAGE FACILITY PLAN CHECKLIST

Each application for a permit to construct an animal waste storage facility shall include an animal waste storage facility plan. The plan shall be in accordance with the current Natural Resources Conservation Service Technical Standard 313. Technical assistance for plan development can be made available to applicants upon request through the Land Conservation Department (LCD), the Natural Resources Conservation Service (NRCS), depending upon agency workload, or the services of an agricultural or civil engineer registered in the State of Wisconsin may be employed. The plan must include:

____1. A management assessment is required. As part of this assessment an initial determination shall be conducted to demonstrate that suitable land base is available for utilization of waste.

____2. A site assessment shall be conducted, documented, and incorporated into the design.

____3. The number and kinds of animals for which the waste storage facility is provided, the duration for which storage is to be provided, or daily gallons and/or cubic feet of waste and manure produced. Also, include other waste bi-products and quantities to be stored.

____4. A plan view of the facility and its location in relation to waste transfer inlet, all buildings, roads, wells, lot lines, soil test pit locations, and other features within three hundred (300) feet of the proposed facility. The plan view shall be drawn to scale, with a scale no smaller than 1 inch = 100 feet.

____5. The structural details, including but not limited to dimensions, cross-sections, and concrete thickness, concrete joint design and placement, design loads, design computations, reinforcement steel schedules, thickness, and placement of groundwater protection liners, and all material specifications.

____6. The soil test pit locations and soil descriptions outlined in a test pit log sheet to a depth of at least five feet below the planned bottom of the facility.

____7. Soil mechanics laboratory data report that shows results for atterburg limits, plasticity index and mechanical analysis for percent fines for adequate liners.

____8. The elevation of seasonally high groundwater or bedrock if encountered in the soil profile and date of any such determination.

____9. Provisions for adequate drainage and control of runoff to prevent pollution of surface water and groundwater. If a navigable body of water lies within 500 feet of the facility, the location and distance to the body of water shall be shown. Any flood plains and/or wetlands shall be located also.

____10. A copy of any other applicable permits/plans, such as erosion control plan, county planning and zoning permits, wetland permits, etc., shall be included with the plan.

____11. The scale of the drawing and a north arrow.

____12. A time schedule for construction of the facility.

____13. Safety requirements shall be included in the plan.

____14. Specify construction materials used to ensure a liquid tight transfer system, such as ASTM standards and specifications of pipe, concrete culverts, or tanks used.

____15. A description and construction plan of the method to be used in transferring animal waste into and from the facility.

____16. A cross section or profile of the facility that shows the transfer system, inside slopes, outside slopes, existing ground, proposed final grade and any other applicable information. Also, show test pit locations, depth to bedrock or groundwater and the separation distance between the facility and these features.

____17. Also, to be included in the plan shall be design storage volume, including freeboard for 25 year - 24 hour precipitation rain event, location of sump pits and agitation points, pumping and agitation locations,

elevations of top and bottom elevations of the facility and the transfer system.

____18. An operation and maintenance plan shall be developed that is consistent with the purposes of this practice, intended life of the components, safety requirements, and the criteria for the design.

____19. A 590 Nutrient Management Plan: the plan shall specify the utilization of the animal waste, including the amount of land available for the application of waste, identification of the areas where the water will be used, crops, crop rotation, application rates, soil types and any limitation on waste application due to soil limitations, type and proximity of bedrock or water table, slope of land, and proximity of surface water.

____20. A 590-plan agreement shall be completed by the landowner. The agreement states that the 590 plan shall be submitted to the LCD no later than March 15th of the year following installation of the animal waste storage facility and that the plan shall be updated annually for the life of the waste storage, or 10 years which ever is shorter.

____21. Any other additional information required by Technical Standard 313 to determine compliance with the Wood County Animal Waste and Manure Management Ordinance.

This checklist is meant to be used by plan developers to ensure that all the required information has been provided as part of the plan. Within 15 calendar days after receiving the completed application and construction plan, the LCD shall inform the applicant in writing whether the permit application is approved or disapproved. If additional information is required, the LCD shall notify the permit applicant. The LCD has 15 calendar days from the receipt of the additional information in which to approve or disapprove the application. If the LCD fails to approve or disapprove the permit application in writing within 30 calendar days of the receipt of the permit application or additional information, as appropriate, the application shall be deemed approved and the applicant may proceed as if a permit had been issued.