

**LARGE FARM OPERATION PERMIT APPLICATION**
*Appendix A-2: Waste Storage Facility (WSF) Form*

 (This form is to be filled out for **each Waste Storage Facility** associated with the LFO)

**I. Applicant and Location Information**

Business Name \_\_\_\_\_ Name of this Storage Structure \_\_\_\_\_

\*Facility Name / Address of Structure \_\_\_\_\_

\* include an aerial photo/map with location of waste management structures.

**II. Waste Storage Design and Capacity Information**

 Capacity Information (see Figure 1 on back) Gallons Cubic Feet

Design Storage Volume of WSF \_\_\_\_\_

Usable Volume for Waste Storage \_\_\_\_\_

Dimensions (LxWxH, side slopes, shape) \_\_\_\_\_

Total Surface Area of water that is collected and added to this Waste Storage Facility

Surface Area of WSF \_\_\_\_\_ Sq. Feet

Barnyard Area(s) \_\_\_\_\_ Sq. Feet

 Silage Bunk Area(s) \_\_\_\_\_ Sq. Feet Is high-flow silage runoff directed to WSF? \_\_\_\_\_ Yes \_\_\_\_\_ No

Roof Runoff \_\_\_\_\_ Sq. Feet

**III. Facility Certification**

Is this facility certified by NRCS, VAAFM or a third party registered to practice in Vermont to meet NRCS standards and specifications contained in the Vermont NRCS Field Office Technical Guide Section IV, as amended, or meet an equivalent standard?

\_\_\_\_\_ Yes \_\_\_\_\_ No

**If yes**, this structure is certified by \_\_\_\_\_ NRCS \_\_\_\_\_ VAAFM \_\_\_\_\_ Third Party

\*If certified include the following:

Name of Company: \_\_\_\_\_

Name of Engineer: \_\_\_\_\_

Contact Information: \_\_\_\_\_

Date of certification: \_\_\_\_\_

**If no**, is there a plan in place to certify this structure? \_\_\_\_\_ Yes \_\_\_\_\_ No

**If yes**, list the name of the organization or individual certifying this structure: \_\_\_\_\_

Date when certification is scheduled to be complete \_\_\_\_\_

\* Certification documents for each structure is required from NRCS, VAAFM or a Professional Engineer registered to practice in Vermont. Include certification documentation for each structure with your application.

**V. Additional Required Information**

Date of construction \_\_\_\_\_ Materials of construction \_\_\_\_\_

Describe the adequacy of the structure linings to prevent exfiltration of manure/waste contaminants to groundwater \_\_\_\_\_

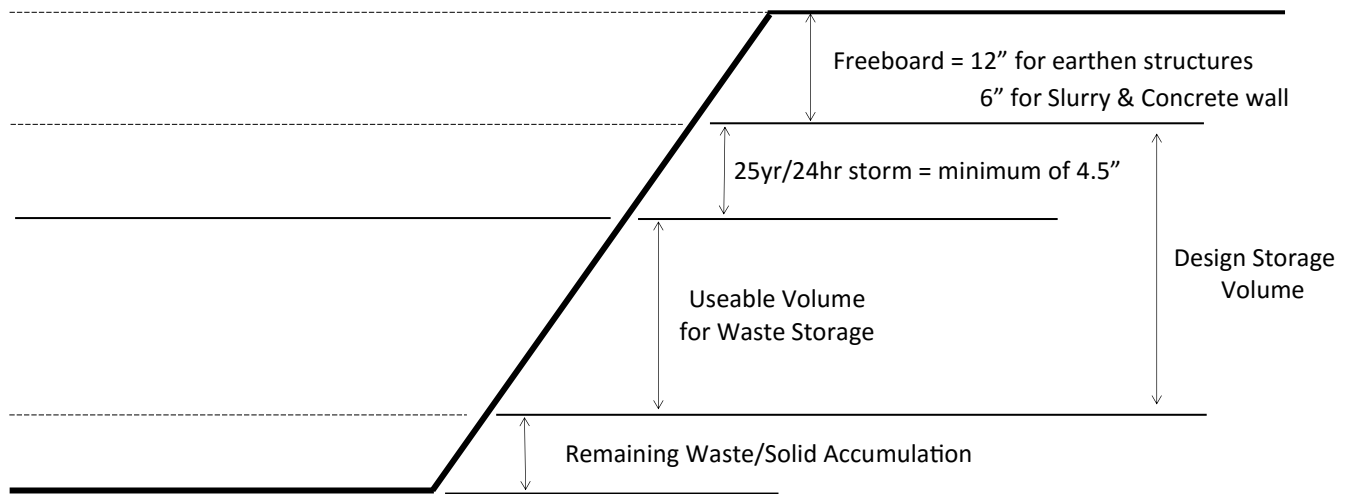
Proximity of bedrock and water table to the floor of the structure \_\_\_\_\_

The adequacy of the system(s) to control manure runoff generated by a 25-year, 24-hour storm event for the location. \_\_\_\_\_

Full description of system components \_\_\_\_\_

Provide documentation about existing storage structure's ability to meet the criteria and specifications outlined in Vermont NRCS Field Office Technical Guide, Section IV, Practice Code 313, Waste Storage Facility, as amended Practice Code 313, Waste Storage Pond, or other appropriate waste storage facility(s) contained in Vermont NRCS Field Office Technical Guide Section IV, as amended.

**If as built drawings are available for this structure, please include them with this form.**



**Figure 1. Diagram of waste storage facility (WSF) to assist in volume documentation. Drawing not to scale.**

**Notes:**

- 25yr/24hr storm volume means 4.5" (or 0.375') of rainfall on any surface area that drains into a WSF.  
Ex: (Barnyard sqft + Silage sqft + Roof Runoff sqft + WSF sqft) x 0.375' = 25yr/24hr storm volume required at all times
- Useable Volume for Waste Storage includes: manure, bedding, milkhouse waste and other wastes added to the WSF, yearly precipitation on any surface area that drains into a waste storage structure, and precipitation minus evaporation on the surface area of the waste storage structure.