

567—102.5(455D) General requirements for all composting activities not exempt. Any composting facility that is not exempt under 567—102.4(455D) must comply with the following provisions.

102.5(1) Siting requirements.

- a. The composting facility shall be located:
 - (1) At least 500 feet from any existing inhabited residence, not including the residence of a person owning or operating the compost facility, at the time the permit application was received by the department.
 - (2) At least 200 feet from public wells.
 - (3) At least 100 feet from private wells.
 - (4) At least 50 feet from property lines.
 - (5) At least 100 feet from flowing or intermittent streams, lakes, or ponds.
 - (6) Outside of wetlands.
- b. Composting done within a 100-year floodplain shall be in accordance with all local and department regulations, including 567—71.5(455B). Sediment ponds, engineered wetlands, or other constructed waterways for the purpose of pollution control are excluded from this subrule.

102.5(2) Design requirements.

- a. Water shall be prevented from running onto the composting facility from adjacent land.
- b. Management or disposal of contact water and stormwater shall be in accordance with 567—Chapter 60 if applicable.
- c. Composting facilities shall be designed, constructed, and maintained so as to minimize ponding of water or liquids. Any ponding that does occur shall be corrected through routine facility maintenance within 48 hours after the termination of the event causing the ponding.
- d. Composting not done in-vessel shall be done on a surface that will permit accessibility during periods of inclement weather. The receiving, processing, production, and curing shall take place on a surface of asphalt, concrete, compacted granular aggregate, clay, or similar relatively impermeable material. Composting facilities that only compost Type A feedstocks may have a surface of compacted soil. The surface must be maintained in a condition that prevents infiltration to the groundwater.
- e. In-vessel composting shall be done in a container that does not leak, prevents access by vectors, and provides adequate aeration.
- f. With the exception of in-vessel composting, the high-water table shall be at least 12 inches below the ground surface.

102.5(3) Operational requirements. Composting facilities shall be operated as follows.

- a. Aerobic conditions shall be maintained.
- b. Composting facilities shall be free of unsecured trash at the end of each operating day.
- c. Non-compostable waste shall be removed or stored in a container or containment area and recycled or disposed of at a permitted sanitary disposal project.
- d. Organic materials shall be managed to minimize odors, dust, noise, litter, contact water, fire and scavenging by vectors.
- e. Composting shall be performed in a manner that minimizes the formation of contact water.
- f. Storage of cured compost shall be limited to 18 months unless prior written approval from the department is granted for an extension.
- g. Compost shall not be applied to land, sold, or given away unless all of the following conditions are met:
 - (1) Concentration of human-made inert materials such as glass, metal, and plastic is less than 1.5 percent by dry weight,
 - (2) The size of any human-made inert materials is less than 13 mm (0.512 inches).
- h. Finished compost that contains bones that have not fully decomposed may be applied to cropland.

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