**Section 506.305 Additional Concrete Design and Construction Standards**

a) In addition to the requirements in Section 506.304, the design and construction of concrete components of livestock waste handling facilities must meet the following requirements:

1) Construction joints must be incorporated into the concrete in compliance with the design guidance provided in MidWest Plan Service Concrete Manure Storages Handbook, MWPS-36, or, in the case of circular concrete tanks, Circular Concrete Manure Tanks, TR-9;

2) Water stops must be incorporated into construction joints in compliance with the design guidance provided in MidWest Plan Service Concrete Manure Storages Handbook, MWPS-36, or, in the case of circular concrete tanks, Circular Concrete Manure Tanks, TR-9;

3) Concrete minimum compressive strength requirements must comply with the design guidance provided in Table 28 of MidWest Plan Service Concrete Manure Storages Handbook, MWPS-36, or, in the case of circular concrete tanks, Table 1 of Circular Concrete Manure Tanks, TR-9; and

4) The strength, cover, and bending requirements for concrete reinforcement must comply with the design guidance provided in Table 1 of MidWest Plan Service Concrete Manure Storages Handbook, MWPS-36, or, in the case of circular concrete tanks, Circular Concrete Manure Tanks, TR-9.

b) The owner or operator of the livestock waste handling facility may, upon written request and with written approval from the Department, modify or exceed these standards to meet site specific objectives. The owner or operator must demonstrate that such modification will be at least as protective of the groundwater, the surface water, and the structural integrity of the livestock waste handling facility as the requirements of this Part.

(Source: Amended at 48 Ill. Reg. 3274, effective February 15, 2024)