**Section 502.505 Nutrient Management Plan Information**

The nutrient management plan must include the following items:

a) Name, address, and phone number of the CAFO owners;

b) Name, address, and phone number of the managers or operators if different than the owners;

c) Address, phone number, and plat location of the CAFO production area;

d) Name of the person who developed the nutrient management plan and a statement indicating whether it was developed or approved by a certified nutrient management planner and by whom the certification was issued;

e) Type of waste storage for the CAFO;

f) Species, size, and maximum number of animals at the CAFO;

g) Scaled aerial photos or maps depicting each field available and intended for livestock waste applications with available acreage listed and indicating residences, non-farm businesses, common places of assembly, streams, wells, waterways, lakes, ponds, rivers, drainage ditches, subsurface drainage systems, other water sources, 10-year flood plain, buffers, slope, locations of structural Best Management Practices, setbacks and areas restricted from application by this Subpart E;

h) For land application areas the owner or operator of the CAFO does not own or rent, copies of the consent statement between the livestock facilities’ owner or operator and the landowner where livestock waste will be applied;

i) Cropping schedule for each field for the past year, anticipated crops for the current year, and anticipated crops for the five-year term of the permit;

j) Realistic crop yield goal for each crop in each field;

k) An estimate of the livestock waste’s nutrient value or the analysis results determined under Section 502.625(c);

l) Livestock waste application methods;

m) Results of the Bray P1 or Mehlich 3 test for soil phosphorus, conducted according to Recommended Chemical Soil Test Procedures for the North Central Region, incorporated by reference in 35 Ill. Adm. Code 501.200, reported in pounds of elemental phosphorus per acre. If the livestock waste is to be land applied based on a single-year or multi-year phosphorus application on the land application area, the following items must be provided:

1) An estimate of the volume of livestock waste to be disposed of annually;

2) The phosphorus content of the livestock waste;

3) The phosphorus amount needed for each crop in the planned crop rotation, expressed as pounds of P205 per acre, obtained from the Illinois Agronomy Handbook, 24th Edition, incorporated by reference at 35 Ill. Adm. Code 501.200; and

4) The maximum livestock waste application rate based on phosphorus for each field, determined under Section 502.625(g).

n) Calculations showing the following:

1) An estimate of the volume of livestock waste to be disposed of annually;

2) Nitrogen loss due to the method of storage, if applicable;

3) Amount of nitrogen available for application;

4) Nitrogen loss due to the method of application;

5) Amount of plant-available nitrogen including mineralized first-year organic nitrogen;

6) Amount of nitrogen required by each crop in each field based on realistic crop yield goal;

7) Nitrogen credits from previous crops, from other sources of fertilizer applied for the growing season, and from any livestock waste applications during the previous three years for each field;

8) Livestock waste application rate based on nitrogen for each field; and

9) Land area required for application;

o) A listing of fields and the planned livestock waste application amounts for each field.

(Source: Amended at 48 Ill. Reg. 3196, effective February 15, 2024)