



## Soil Amendment NMP Checklist

- Site location** – Include directions from the closest city to your farm. List highway/road names.
- Site Description** including
  - General Topography – Provide details to land topography for whole farm that is included in NMP. This includes barn area and all land application areas.
  - GPS Coordinates – Taken at the driveway that is used to enter the farm.
  - Soil amendment System – Provide enough details to understand production, treatment, and land application of various soil amendment products used in the land application program.
- Product Handling System** including
  - Transportation – Mode of product transportation to the site
  - On site storage system- Frac tanks or lagoon/storage ponds
  - Liner Description – If the liner is engineered, please provide all supporting documents for each cell of the system.
  - Number of individual storage cell/tanks
  - Size and Capacity of each individual storage cell/tanks
  - Total storage time for the entire system
  - Leakage Prevention and Inspection – Describe how often the inspection takes place.
  - Max Fill Level for the lagoon/storage ponds
  - Stop Pumping Level for the lagoon/storage ponds
  - Gauge Present in lagoon/storage ponds- **Answer must be Yes or plan cannot be approved.**
- Nutrient Generation Calculation** – Soil amendment production records are required if calculation is based on historical data. Ensure the information used for the calculation is reflective from the most recent product analysis report.
- Land Application** including
  - Application System Type (Injector/Spreader)
  - Equipment Calibration Records within past one year
  - Field Application including each field having its own application page
    - Field Identifications: Please ensure that all field names are consistent throughout the plan. This includes field application pages, soil test results, maps, and reports.
    - Nutrient Application Rates: Filed descriptions for each field including Field Name, Acreage, Crop, Soil Test P, pH, Nutrient (N, P, K) Application Rates (lbs./acre), Product application rates (gal/acre or ton/acre), Application Method (surface/subsurface), Application Windows (months).
    - Hydraulic Loading Rates: All liquid products applied to a site shall also include hydraulic loading rate (in/hr. or gallons/hour) and maximum hydraulic loading amount (inches or gallons) per application event.

- Address any P over-application concerns and P application rate adjustments through P-index determination.
  - Land Application Summary – Summarize all the nutrients applied in each field through all soil amendment products.
- **Emergency Action Plan** – please ensure that phone numbers and email addresses for the product generator, registrant, product control contractor, and landowners and emergency spill prevention practices are listed on the Emergency Action Plan.
- **Records to be kept on file:** List all the records to be kept on file.
- **Maps**
  - Site Map Required
    - Must include farm property lines
    - Use of cropland, pastures, etc. – Ex. Hay or Crop or Small Grain
    - Farm field boundaries with field identification – ensure that the field name is consistent throughout the NMP and records.
    - Surface water locations including streams, rivers, ponds, ditches, etc.
    - Arrows showing direction of stream/surface water flow
    - All well locations
    - Regulated buffers
    - North arrow
    - Date prepared
    - Road names/numbers
    - Legend with map symbols
    - Bar scale
- **Attachments:**
  - Maps including
    - Site/Location
    - Field maps if not all fields can fit on the site map
    - Soil
    - Topo
  - Soil Test Results – within the last calendar year and should be the samples used to complete the recommendation for each field application.
  - Soil Amendment Test Results – the NMP must include a current representative analysis for each product that will be land applied.

Registrant:

Reviewer:

Date: