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 – within the last calendar year and should be the samples used to complete the application rates for each field application.

Registrant: Reviewer: Date: