Certification Requirements for Practice Standard 590-Nutrient Management

Use the following checklist as guidance to review and certify the CPS (590) Nutrient management. An electronic copy of the MMP database shall be submitted upon request to facilitate completion of the plan review.

The following shall be submitted with the 590 checklist:

1. MMP reports - 6.8 Field Nutrient Balance Report
2. MMP reports - RUSLE2 Data Report.
3. Map with field boundaries for crop fields properly labelled with Tract #, field # and acres.

CROP YEAR: _____

Contract #: _____ CIN #(s): _____

NMP prepared by: (Print Name) _____

Nutrient Management Plan

☐ Verify that an approved nutrient management plan that meets standard criteria has been developed and is available.

☐ Verify that a Manure Management Planner (MMP) file has been developed and is available.

Soil Test Criteria

☐ Verify soil tests were conducted by UMASS Soil Testing lab.

☐ Verify soil test analysis was conducted within the last 3 years. Note: soil test print-outs from the lab shall be included with the plan.

Soil Erosion Control Criteria

☐ Verify that concentrated flow channels are vegetated. A review of aerial photos, soil and topographic maps shall be conducted to determine areas where concentrated flow channels are likely to occur. Verify the soil loss estimates for the "entire declared" rotation for each field are at tolerable levels or below. Review the tillage and residue management by crop to validate the soil loss calculation with RUSLE2 or latest NRCS approved soil loss tool.

Nutrient Risk Assessment

☐ Verify appropriate N application criteria were followed. Ex.- N applied in split application.

Verify results of RI Nitrate Leaching Index.

☐ 0-2 inches Field (s): _____

☐ 2.1 – 10 inches Field (s): _____

☐ >10 inches Field (s): _____

☐ Verify appropriate P management strategies were followed and adjustments made on recommendations.

Verify results of RI Phosphorus Index

- ☐ 0-49 (LOW) Field (s): _____
- ☐ 50-74 (MEDIUM) Field (s): _____
- ☐ 75-99 (HIGH) Field (s): _____
- ☐ ≥ 100 (VERY HIGH) Field (s): _____

Crop Management and Nutrient Application Criteria for Each Field (6.8 Field Nutrient Balance Report)

☐ Verify documentation of current year crops and projected yield goals per crop.

☐ Verify the record of planned nutrient application recommendations and documentation of an "actual" applied rate for all major nutrients by form and source (attach application records from farmer).

☐ Verify nutrient applications for Nitrogen (N) did not exceed recommendation per soil test results and management strategy.

☐ Verify nutrient applications for Phophorus (P_2O_5) did not exceed recommendation per soil test results and management strategy.

☐ Verify that lime applications are planned to maintain soil pH within the range for optimal nutrient uptake for the most PH sensitive crop in the rotation OR the narrative documents that client has decided that liming to achieve optimum pH is not desired. (Highlight chosen)

☐ Verify that Potassium (K) nutrient applications are planned to maintain levels in the optimum range OR the plan narrative documents that the client has decided fertilizing to achieve optimum K levels is not desired. (Highlight chosen)

Plan Map Criteria

☐ Verify a map with field boundaries for crop fields properly labelled with Tract #, field # and acres is present and attached. Field acreage and field identification number shall be clearly labeled and consistent with plan and contract.

I certify that this Practice Standard 590, Basic Nutrient Management Plan was applied according to all criteria of this standard and Job Sheet.

Name:_____ Date:_____

(Certified Conservation Planner)