

STATEMENT OF WORK
Comprehensive Nutrient Management Plan
Minnesota

NOTE: A comprehensive nutrient management plan (CNMP) addresses all land units that the animal feeding operation (AFO) owner and/or operator owns or has decision-making authority over and on which manure and organic by-products will be generated, handled, and stored (Feedlots and Production Areas), and on which manure will be applied.

A CNMP addresses 6 elements: a. Manure and Wastewater Handling and Storage; b. Land Treatment Practices including needed soil erosion control practices to reduce the transport of nutrients; c. Nutrient Management; d. Record Keeping; e. Feed Management; and f. Other Utilization Activities.

The degree to which each CNMP element is addressed is determined by the General Criteria and must meet the specific criteria provided for each element in the National Planning Procedures Handbook (NPPH), Sections 600.53 and 600.54. Elements a through d at a minimum must be addressed. (AFO owners and/or operators who do not land apply manure or organic by-products will address elements a, and d; f if applicable; and c to the extent required by Minnesota State Laws concerning transferred manure.)

The following deliverables and appropriate deliverables in the SOW for Conservation Practice Standard Nutrient Management (Code 590) apply to CNMPs. For other planned practice deliverables refer to those specific Statements of Work.

PLANNING

Deliverables:

- 1) **Design documents** demonstrating compatibility with NRCS-Minnesota CNMP guidance including information, computations and evaluations used to develop the CNMP. *Design documentation is developed prior to installation of any practice required by the CNMP and is appended to the actual CNMP.* Design documents include:
 - All deliverables listed in part 1) (Design documents) of the DESIGN section of the SOW for Minnesota Conservation Practice Standard Nutrient Management (Code 590)
 - **Information**
 - a) Lists of required federal, tribal, state or local permits, registrations or certifications if any; location of those permits, registrations and certifications; and documentation of compliance with permits etc. (include certification number if client uses a Certified Agricultural Waste Technician (CAWT) to apply manure).
 - b) Records of internal inspections for manure system components (if any).
 - c) Records of any spill events (if any).
 - d) Written manure application agreements. (*Where Applicable*)
 - **Computations and evaluations**
 - a) Evaluations of all present facility components for functionality and water and air pollution potential. These evaluations could include previous evaluations conducted as part of environmental assurance programs or completion of evaluation forms referenced in NRCS Minnesota CNMP guidance documents.
 - b) Livestock ration producer self-assessments
 - c) Producer animal mortality self-assessments
 - Other requirements listed in NRCS-Minn. Amendment 19 (Nutrient Management and CNMP Planning Policies) to the National Planning Procedures Handbook (NPPH)

- 2) **Written CNMP** provided to the client adequately describing CNMP and regulatory requirements. Plan format should be consistent with the NRCS-Minnesota CNMP plan format found on the NRCS-Minn. Nutrient Management web-page. The CNMP at a minimum includes:
 - Deliverables in part 2 (Written plans and specifications) of the DESIGN section of the Minnesota SOW for Conservation Practice Standard Nutrient Management (590)
 - **Description of the operation that recommendations were developed for**

STATEMENT OF WORK
Comprehensive Nutrient Management Plan
Minnesota

- a) Documentation of the AFO owner's/operator's consideration of the six CNMP elements. All elements need to be considered and the owner's and/or operator's decisions regarding each must be documented.
- b) Location information
 - i) Names, phone numbers, and addresses of the AFO owner(s) and operator(s) and other individuals if any whose land manure is being applied to.
 - ii) Location of production site: legal description, driving instructions from nearest post office, and the emergency 911 coordinates.
 - iii) Farmstead sketch.
 - iv) Plat map or local proximity map.
 - v) Legal description of land application sites (this information can be shown on maps or photos from iv.) above)
- c) Identification of fields containing and listing of sensitive features
- **Planned Practices and Applications**
 - a) Estimate of average number of annual mortalities and description of mortality disposal procedures.
 - b) Emergency response plan addressing fire, personal injury, manure storage and handling, and land application operations
 - c) Rotational Crop Nutrient Management Plan
 - i) Recommended nutrient and soil amendment per acre application rates, methods and application timing in balance with the nutrient budget
 - (a) Expected application seasons and estimated days of application per season.
 - (b) Gallons or tons for manure; gallons or pounds of product for commercial fertilizer
 - (c) Estimated amount per acre of plant available nitrogen P₂O₅ and K₂O provided by manure and commercial fertilizer
 - d) Schedule for development of annual field specific nutrient management plan
 - e) Certification statement that the CNMP meets requirements of the NRCS and all applicable federal, tribal, state or local regulations

Certification page of the CNMP

Signed legal Responsibilities form if requested by NRCS.

3) **Progress reporting if requested by NRCS**

REFERENCES

- NRCS National Planning Procedures Handbook (NPPH) (CNMP Technical Guidance)
- NRCS-Minn. Amendment 19 to NPPH (Nutrient Management and CNMP Planning Policies)
- NRCS Minnesota Form MN-ECS-15, dtd. 1/04, Nutrient Management Plan Quick Checklist and Required NRCS Nutrient Management Plan Documentation

The above references plus forms, and templates referenced earlier are available on the NRCS-Minnesota home page at: <http://www.mn.nrcs.usda.gov/technical/ecs/nutrient/nutrient.html>

- NRCS Electronic Field Office Technical Guide (EFOTG)
- NRCS National Engineering Manual
- NRCS National Agronomy Manual
- NRCS Environmental Compliance Handbook
- NRCS Cultural Resources Handbook