

Environmental Quality Incentives Program

2013 EQIP Signup

Minnesota Supplement for:
Practice Standard CAP 102 – **Comprehensive Nutrient Management Plan (CNMP)**

Supplemental Criteria

1. Rank **only** in the Livestock – Ag Waste funding pool.
2. Use resource concern – Water Quality, Excess Nutrients & Organics in Surface Water
3. This payment is for: the facility and nutrient management assessments needed to develop a CNMP; the coordination of the CNMP development with all other CNMP certified specialists (MWHs, Nutrient Management, and Land Treatment); and the assembly, development and approval of the final CNMP product. See Attachment A for a generalized discussion on evaluations and recommendations required for a CNMP. See Attachment B for additional detail on facility assessments requirements.
4. CAP 102 [plan development criteria](#) and the CAP 102 [plan checklist](#) can be found at the [Technical Service Providers \(TSP\) website](#).
5. The development, coordination, and assembly of the entire CNMP must be performed by a Technical Service Provider (TSP) certified in the [CAP CNMP](#) category or the [CNMP Plan Approval](#) category or any of the additional certifications listed in items 3 and 4 below.
6. Facility Assessments must be completed by a TSP certified in the [CNMP Plan Development Manure and Wastewater Handling and Storage](#) category.
7. Nutrient Management evaluations and planning must be completed by a TSP certified in the [CNMP Plan Development Nutrient Management](#) category.
8. The Land Treatment evaluation and planning portion of the CNMP is completed by qualified NRCS staff.
9. The complete CNMP will be approved by a TSP certified in the [CAP CNMP](#) category. If none are available, the complete CNMP will be approved by a Minnesota NRCS regional water quality specialist.

CAP Scenario Description

A comprehensive nutrient management plan (CNMP) is a conservation plan for an animal feeding operation (AFO).

CAP Scenario Name

1. Small Non-Dairy with Land Application <300 AU
2. Small Non-Dairy with Land Application <300 AU – HU
3. Small Dairy with Land Application <300 AU

4. Small Dairy with Land Application <300 AU – HU
5. Small AFO without Land Application <300 AU
6. Small AFO without Land Application <300 AU – HU
7. Medium Dairy with Land Application 300 – 700 AU
8. Medium Dairy with Land Application 300 – 700 AU – HU
9. Medium Non-Dairy with Land Application 300 – 700 AU
10. Medium Non-Dairy with Land Application 300 – 700 AU – HU
11. Medium – Large AFO without Land Application > 300 AU
12. Medium – Large AFO without Land Application > 300 AU – HU
13. Large Non-Dairy with Land Application >700 AU
14. Large Non-Dairy with Land Application >700 AU – HU
15. Large Dairy with Land Application > 700 AU
16. Large Dairy with Land Application > 700 AU - HU

ATTACHMENT A - EQIP COMPREHENSIVE NUTRIENT MANAGEMENT PLAN (CNMP) REQUIREMENTS

- Participants receiving USDA Environmental Quality Incentives Program (EQIP) funding for Manure and Wastewater Storage and Treatment practices, are required to develop and implement a Comprehensive Nutrient Management Plan (CNMP). The plan is completed before an application that includes a waste system can be determined as eligible.
- A CNMP addresses handling, storage and land application of manure and wastewater; mortality disposal; silage storage; soil and water conservation practices; and as requested by the producer feed management and uses of manure for other than land application.

This fact sheet highlights EQIP CNMP requirements.

REQUIREMENTS

1. *Livestock production and manure storage area evaluation and practices planned*

✓ **Evaluation includes:**

- Current storage system capacity for present or planned animal numbers
- Feedlot and other storage area runoff or leaching problems including milkhouse waste
- Current operation and maintenance activities for all livestock production system components
- Silage storage areas
- Mortality disposal techniques
- Odors
- Safety issues and emergency response planning
- MnFarm evaluations if none have been completed

✓ **Plans components include:**

- Collection, storage, transfer and/or treatment systems and equipment needed to eliminate identified problems including silage leachate problems.
- Operation and maintenance practices/activities for system components.
- Emergency response or action plan addressing fire, personal injury and manure storage, collection, treatment and application.

2. *Upland land treatment evaluation and practices planned*

✓ **Evaluation includes:**

- Evaluations of erosion potentials on fields receiving land applications
- Sensitive Area determinations

✓ **Plans components include:**

- Management practices such as filter strips.
- Other soil and water conservation practices needed to reduce soil losses or runoff. **(All fields receiving manure from the facility will have sheet and rill soil and wind erosion losses controlled to 6 tons per acre per year or less.)**

3. *Nutrient Management evaluation and practices planned*

✓ **Evaluation includes:**

- Field Nitrogen leaching and Phosphorus runoff potentials
- Calculations to determine acreage needed to adequately utilize manure nutrients
- Crop nutrient needs for each crop in the rotation

✓ **Plans components include:**

- Nutrient management practices needed in sensitive areas
- Nutrient rate, timing, and form recommendations for each crop in the rotation
- Operation and maintenance instructions for things such as equipment calibration or soil testing frequency

4. *Record for CNMP implementation (similar to MPCA record keeping requirements)*

ATTACHMENT B

MANURE AND WASTEWATER STORAGE AND HANDLING EVALUATION CHECKLIST	Checked ✓	Concern Identified ✓
1. Facility Description	NA	NA
2. Surface Water Pollution Assessment		
<ul style="list-style-type: none"> • Is all contamination runoff stored or adequately treated? (NRCS Standard) (MinnFarm assessment if needed). 		
<ul style="list-style-type: none"> • Are all roofs and drainage areas to open lots diverted away or included in storage volume computations? (NRCS Standard 313) 		
3. Odor Assessment		
4. Storage Facilities:		
<ul style="list-style-type: none"> • Is the manure storage volume adequate to meet Manure Management Plan requirements? (NRCS Standard 313) 		
<ul style="list-style-type: none"> • Are there apparent structural concerns? 		
<ul style="list-style-type: none"> • Is there loss of manure due to excessive seepage? 		
<ul style="list-style-type: none"> • Do water tests from well indicate any potential seepage issues? 		
<ul style="list-style-type: none"> • Does perimeter tile discharge indicate seepage (discoloration, odor)? 		
<ul style="list-style-type: none"> • Is there proper setback from wells? (MN Rules Chapter 4725.4450) 		
<ul style="list-style-type: none"> • Are safety signs, fences, grates, etc., present where needed? 		
<ul style="list-style-type: none"> • Are temporary stockpiles properly sited? (MPCA Guidelines) 		
<ul style="list-style-type: none"> • Is livestock watering equipment in good repair and not leaking? 		
5. Ground Water Pollution Potential		
<ul style="list-style-type: none"> • Are special geologic conditions accounted for? (NRCS Standard 313, MPCA Karst Guidelines) 		
6. For dairy operations, is the milk parlor wash water properly handled? (NRCS Standard)		
7. Is silage leachate properly handled? (NRCS Standard)		
8. Are animal mortalities handled properly?		
9. Does the O&M Plan address operational and safety aspects of the planned structures (NRCS Standard 313)?		
10. Does the facility have an Emergency Response Plan?		

EQIP NUTRIENT MANAGEMENT ACTIVITIES SCHEDULE AND CERTIFICATION

Producer Name
Plan Date
Crop Year _____

1. Complete Farm Inventory by:
([Forms MN-CPA 40, 41, 42, and 43](#) or equivalent)
2. Calculate Realistic Yield Goals by:
3. Complete soil sampling and analysis by:
4. Complete manure sampling and analysis by:
5. Calibrate application equipment by:
6. Begin keeping field specific records by:
7. Develop Conservation Activity Plan ([CAP 102](#)) by:

8. Follow all commercial fertilizer and manure application form, timing, placement, and incorporation requirements as listed on Attachment A of the MN Nutrient Management Supplement for Practice Standard 590.

Scheduled Date:	Assisted By:	Completed Date:

I certify that ALL activities listed above have been completed according to NRCS guidance.

Producer Signature

Date

I certify that activities listed above have been completed to the best of my knowledge as presented to me by the aforementioned producer.

TSP Signature

Date



Minnesota

ATTACHMENT D

USDA-NRCS AGREEMENT TO ALLOW MANURE APPLICATION

PRODUCER/USDA CONTRACT HOLDER: _____

NRCS program participants with EQIP contracts containing manure and wastewater storage or treatment practices or nutrient management must manage or have their manure managed according to NRCS requirements (same as state law) on all land where their manure is applied regardless of land ownership or manure transfer or sale to another.

Necessary permissions must be obtained for manure applications on land not owned or controlled by the EQIP program participant. The permissions must be in writing and indicate that the manure recipient will apply or allow others, including the EQIP program participant, to apply manure according to NRCS requirements. A copy of the permission must be provided to the NRCS field office prior to construction of any cost-shared waste storage, treatment or transfer practice and prior to implementation of nutrient management.

This NRCS form or MPCA equivalent forms should be used to obtain necessary permission.

Name of USDA Participant _____

Address _____

City, State, Zip _____

Signature: _____ Date: _____

The undersigned manure recipient agrees to manage or allow manure to be managed according to NRCS requirements for the duration of this agreement on _____ acres of his/her land located in _____ one quarter of _____ Section in _____ Township of _____ County.

Please attach a map with fields identified.

This manure spreading agreement is good until: _____

Is the recipient also receiving manure from another producer? _____

Name of Manure Recipient _____

Address _____

City, State, Zip _____

Signature: _____ Date: _____

