
TITLE 190 – Iowa Instruction

PART 190 – Ecological Sciences

Subpart 396 – Technical Assistance for a Comprehensive Nutrient Management Plan (CNMP)

January 2025

396.0 Purpose

- A. This Iowa Instruction provides technical guidance for the conservation planning process for an animal feeding operation (AFO), a Concentrated Animal Feeding Operation (CAFO) and the associated land receiving manure and other livestock nutrients in which a Comprehensive Nutrient Management Plan (CNMP) is required to address various resource concerns.
- B. This Iowa Instruction provides the list of structural conservation practices for an AFO/CAFO that require the development of a CNMP. It also provides checklists for NRCS, partner employees, and Technical Service Providers (TSP) for the conservation planning process.

396.1 Resource Concerns Addressed

CNMPs document the producer's conservation plan including structural practices, management actions, and land management practices to address resource concerns including soil erosion, water quality (e.g. manure runoff or discharge), and air quality. All livestock in the operation must be addressed in the CNMP. All land planned to receive manure must be included in the plan. These concerns arise from AFOs and CAFOs due to activities such as manure or wastewater production, collection, handling, storage, treatment, and land application for crops, pastures, or other purposes. More detailed information on water and air related resource concerns associated with AFO and CAFO are available in '[National Resource Concern List and Planning Criteria](#)' document.

396.2 Policy

- A. Per [Title 190 General Manual, Part 405, "Comprehensive Nutrient Management Plans"](#), a CNMP is required for agricultural livestock operations with manure or wastewater related resource concerns. The producer must sign the CNMP before installation of planned conservation practices.
- B. The CNMP must have an Environmental Evaluation (e.g., NRCS-CPA-52) completed to demonstrate compliance with the National Environmental Policy Act (NEPA), Endangered Species Act (ESA), and National Historic Preservation Act (NHPA). TSPs should assist with collecting information for Special Environmental

Concerns (SEC), NRCS is responsible to completing the environmental evaluation.

- C. Soil loss must not exceed T value on the predominant planning soil for all fields included in the CNMP. When the soil loss 'T' value is 1 or 2 tons/acre/year, soil losses may be allowed at 2 times T with the approval of State Conservationist (see [190 GM Part 405, section 405.10 D.](#))
- D. CNMP planned conservation practices for land application of manure or wastewater [as specified in [40 CFR Section 122.42 \(e\)](#)] must take into account Iowa NRCS approved phosphorus-index based recommendations (see [CPS 590 Iowa guidance document](#) for more details). Note: Iowa P-Index requires soil loss based on Dominant Critical soil type.

396.3 References

- A. [Title 180 General Manual, Part 409, Conservation Planning Policy](#)[Title 180, General Manual \(GM\), Part 409, "Conservation Planning Policy"](#)
- B. [Title 190 General Manual, Part 405, "Comprehensive Nutrient Management Plans"](#)
- C. [National Instruction Title 190 Part 313, "Nutrient Management Policy Implementation"](#)
- D. [Title 210 National Engineering Handbook, Part 651, "Agricultural Waste Management Field Handbook"](#)
- E. [590 IA GD Nutrient Management](#)

396.4 Circumstances Requiring a CNMP

- A. A CNMP is required before the implementation of the following practices without any exceptions:
 - Amendments for the Treatment of Agricultural Waste – 591
 - Anaerobic Digester – 366
 - Composting Facility - 317
 - Vegetated Treatment Area – 635
 - Waste Separation Facility – 632
 - Waste Storage Facility -313
 - Waste Transfer – 634
 - Waste Treatment – 629
 - Waste Treatment Lagoon – 359
- B. A CNMP is required for the following practices only if one or more of the practices previously listed are being implemented concurrently:
 - Roofs and Covers – 367
 - Pumping Plant – 533
 - Heavy Use Area Protection - 561
 - Roof Runoff Management – 558
- C. A CNMP or nutrient management plan (NMP) is required for the following

practices (on a standalone basis).

1. Animal Mortality Facility (316): CNMP is required when animal carcasses will be composted in windrows, or for a site servicing more than 1,000 live animal units. A nutrient management plan detailing utilization of by-products from the mortality facility is required in all other cases.
 2. Heavy Use Area Protection (561): A NMP is required for all winter-feeding stations along with a grazing management plan. A CNMP is required for situations when the manure will be stored or be subject to runoff.
 3. Waste Facility Closure (360): An engineering plan meeting the statement of work requirements for Waste Facility Closure along with a NMP is required for all the waste materials in the facility to be closed with no livestock operation remaining.
- D. If a facility has a CNMP from a previous practice implementation and new practices (not included in original CNMP) are proposed:
- The producer is required to update the CNMP to account for the new practices(s). If changes to the operation that have occurred since the implementation of the original CNMP, incorporate them into the CNMP.

396.5 CNMP Pre-Planning Meeting Agenda

See exhibit A for details

396.6 CNMP Checklist

See exhibit B for details

396.7 Data Inventory for Planning Livestock Waste Management Systems (IA-ENG-48 form)

See exhibit C for details