

STATEMENT OF WORK
Comprehensive Nutrient Management Plan (code 102)
Pennsylvania

These deliverables apply to this individual plan. For other planned practice deliverables refer to those specific Statements of Work.

PLANNING OBJECTIVES

A comprehensive nutrient management plan (CNMP) is a conservation plan for an animal feeding operation (AFO) that must meet NRCS quality criteria for water quality (nutrients, organics, and sediments in surface and groundwater) and soil erosion (sheet and rill, wind, ephemeral gully, classic gully, and irrigation induced) concerns on the production and land treatment areas as defined below:

- (i) The production area includes the animal confinement, feed, and other raw materials storage areas, animal mortality facilities, the manure handling containment or storage areas, and the waste water processing areas.
- (ii) The land treatment area includes any land under control of the AFO owner or operator, whether it is owned, rented, or leased, and to which manure or process wastewater is, or might be, applied for crop, hay, pasture production, or other uses.

The CNMP also mitigates, if feasible, any excessive air emissions and/or negative impacts to air quality resource concerns that may result from practices identified in the CNMP or from existing on farm areas/activities. The CNMP will comply with Federal, State, Tribal, and local laws, regulations, and permit requirements, and satisfy the owner/operator's production objectives.

The producer should be able to understand and follow their CNMP. To supplement the CNMP, an abbreviated, easy to follow guide that summarizes planned activities and facilitates on-the-go record keeping is recommended and may be developed for the producer's use when implementing the CNMP. This guide can include seasonal manure and nutrient land application schedules as well as follow-up details for operation and maintenance of conservation practices.

Deliverables:

1. Document environmental compliance for the planned system of conservation practices to be used by the animal feeding operation. Refer to Pennsylvania eFOTG, Section III. C. Planning and Environmental Compliance Information and include the following:
 - a. Environmental Evaluation Worksheet (NRCS-CPA-52) - Pennsylvania Template (FOTG Section III. D)
 - b. Cultural Resources Review Worksheet (FOTG Section II. C. Cultural Resources Information)
 - c. PNDI Project Environmental Review Receipt from Pennsylvania Natural Heritage Program, PNDI Project Planning Environmental Review at <http://www.naturalheritage.state.pa.us/>

Note: Environmental compliance activities must be coordinated with the NRCS designated agency representative since all findings and interagency consultation are the responsibility of the lead Federal agency.
2. Document the AFO owner's/operator's consideration of the six CNMP elements. A CNMP may not contain all six elements; however, they need to be considered by the AFO owner/operator during development of the CNMP, and the owner's and/or operator's decisions regarding each must be documented. These elements are as follows:
 - a. **Manure and Wastewater Handling and Storage.** Provide information and documentation that addresses manure and wastewater handling and storage issues required to meet quality criteria for soil erosion and water quality.. Follow the requirements of NRCS Field Office Technical Guide (eFOTG) including PA313, 633, 634, 635, 561, etc., and Title 25, Part I, Chapter 83.311 (Pa Act 38). Use the PA CNMP Engineering Evaluation for Manure and Wastewater Handling and Storage for guidance.
 - b. **Land Treatment Practices.** Provide information and documentation that describes how the quality criteria for soil erosion and water quality will be met on the land treatment area. The quality criteria for the soil erosion concerns is to ensure that sheet and rill erosion does not

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- exceed the Soil Loss Tolerance "T" level, that surface water runoff is controlled sufficiently to stabilize small ephemeral gullies and prevent reoccurrence of new channels, and also stop progression of head-cutting and widening of classic gullies. The quality criteria for water quality concerns is to ensure that the movement of mineral and organic particles is managed and nutrients and organics are stored, handled, disposed of, and managed such that surface water uses are not adversely affected.
- c. **Nutrient Management.** Provide information and documentation that addresses the requirements for land application of all nutrients and organic by-products for each field. Follow the requirements of Title 25, Part I, Chapter 83.291-294 (Pa Act 38). Use the Act 38 Tech Manual for guidance.
 - d. **Record Keeping.** Provide guidance to the land owner/operator for keeping records for all elements of this CNMP.
 - e. **Feed Management (optional)**
 - f. **Other Utilization Activities (optional).** Provide information and documentation that addresses utilization of manure for purposes other than land application at the CNMP site.
3. **Format and Content.** Comprehensive Nutrient Management Plans will be written in a standard format and include the following:
 - a. PA Nutrient Management Program standard plan format and content (Act 38 equivalent)
 - b. Documentation covering CNMP Engineering Evaluation for Manure and Wastewater Handling and Storage
 - c. A Land Treatment Plan for all land units that the animal feeding operation (AFO) owner/operator owns or has decision-making authority over and on which manure and organic by-products will be generated, handled, stored, or applied.
 4. Provide documentation of compliance with all applicable permits or certifications
 - a. Federal, Tribal, State or local permits and/or ordinances.
 - b. Operator or manager certifications.
 - c. Manure applicator certifications.
 - d. Record of inspections or site assessments.
 5. CNMP Signature Page including all required signatures to certify that the practices, managements, and format in the CNMP meet criteria in the NRCS Field Office Technical Guide.

REFERENCES

- NRCS National Planning Procedures Handbook (CNMP Technical Guidance)
http://policy.nrcs.usda.gov/scripts/lpsiis.dll/H/H_180_600_E_5.htm
- NRCS Field Office Technical Guide (eFOTG)
<http://www.nrcs.usda.gov/technical/efotg>
- NRCS National Engineering Manual
<http://www.info.usda.gov/CED/ftp/CED/NEM.html>
- NRCS Environmental Compliance Handbook
http://policy.nrcs.usda.gov/scripts/lpsiis.dll/H/H_190_610_Content.htm
- NRCS Cultural Resources Handbook
<http://www.nrcs.usda.gov/technical/cultural.html>
- Pennsylvania Nutrient Management Program
<http://panutrientmgmt.cas.psu.edu>