Nutrient Management Fact Sheet: **Mississippi**

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Nutrient Management Plans

Topic	Summary
Coverage	Operations seeking coverage under a multimedia general pollution control permit for CAFOs (including CAFO NPDES Permits - 40 CFR part 122.23) must develop a Nutrient Management Plan. [1]
Content	The Nutrient Management Plan (NMP) must: - Ensure adequate storage of manure and process wastewater, including procedures to ensure proper operation and maintenance of the storage facilities. - Ensure that clean water is diverted from the production area. - Prevent direct contact of confined animals with waters of the United States. - Ensure that chemicals and other contaminants handled on-site are not disposed of in any manure, process wastewater or stormwater storage or treatment systems. - Identify appropriate site-specific conservation practices to be implemented, including, as appropriate, buffers or equivalent practices to control runoff of pollutants to waters of the United States. - Identify protocols for appropriate testing of manure, process wastewater, and soil. - Establish protocols to land apply manure or process wastewater in accordance with site-specific nutrient management practices. - Identify specific records that will be maintained to document the implementation and management. - Meet the requirements specified in 40 CFR part 412.
Frequency of Updates	NMPs expire 5 years after the plan is created. [2]
Paperwork	NMPs are made available for public review when the Notice of Intent is filed by the CAFO.
Planner Qualifications	Under the permit's annual report, the CAFO must indicate if the NMP was developed or approved by a certified nutrient management planner.

Manure Storage and Application

Topic	Summary
Storage	*Facility Siting/Setback* Any facility for the treatment or disposal of animal wastes or the housing of a concentrated or confined animal growing operation must be at least 1,000 feet from the nearest non-owned (by the applicant) occupied dwelling or

	commercial establishment and at least 300 feet from the nearest adjoining property line. [3] *Structure* All plans and specifications must be developed by a professional engineer registered by the Mississippi State Board of Registration for Professional Engineers and Land Surveyors. The production area must be designed, constructed, operated, and maintained to contain all manure and process wastewater, including the runoff and the direct precipitation from a 25-year, 24-hour rainfall event. The production area must be operated to include visual inspection, depth markers in all open surface liquid impoundments that indicate the minimum capacity for the storm event and 5 years of record-keeping for the production area. [4]
Application	*Spreading* Land application of animal waste must be at least 50 feet from the nearest adjoining property line, and at least 300 feet from the nearest non-owned (by the applicant) occupied dwelling. [5] Manure and process wastewater may not be applied closer than 100 feet to any down-gradient surface waters, open tile line intake structures, sinkholes, agricultural well heads, or other conduits to surface waters unless another compliance alternative is in place, including a 35-foot vegetative buffer. *Testing* Manure must be analyzed a minimum of once annually for nitrogen and phosphorus content and soil analyzed once every five years for phosphorus content. [6]

Technical Assistance

Topic	Summary
Software Tools	Manure Management Planner (MMP) is a software tool created by Purdue University that includes state-specific information for Mississippi farmers to create manure management plans for crop and animal feeding operations.
Guides / Handbooks	MS NRCS nutrient management 590 standard. MS State University provides this guide for nutrient management planning basics.

Financial Assistance

Summary

MS NRCS provides assistance through:

- Environmental Quality Incentives Program (EQIP) - offers financial cost-share assistance to farmers for the adoption of conservation practices and development of nutrient management plans.
- Conservation Stewardship Program (CSP), which gives producers financial assistance to implement new conservation management practices and enhancements.

[1] https://www.mdeq.ms.gov/wp-content/uploads/2017/06/Final-CAFO-GP-Permit.pdf
[2] https://www.mdeq.ms.gov/wp-content/uploads/2017/06/Final-CAFO-GP-Permit.pdf
[3] https://www.mdeq.ms.gov/wp-content/uploads/2017/06/Final-CAFO-GP-Permit.pdf
[4] https://www.law.cornell.edu/cfr/text/40/part-412
[5] https://www.mdeq.ms.gov/wp-content/uploads/2017/06/Final-CAFO-GP-Permit.pdf
[6] https://www.mdeq.ms.gov/wp-content/uploads/2017/06/Final-CAFO-GP-Permit.pdf