



Nutrient Management Fact Sheet: New Hampshire

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Nutrient Management Plans

Topic	Summary
Coverage	EPA administers the NPDES permit program for CAFOs in New Hampshire. ¹ CAFOs seeking coverage under NPDES permits must have a Nutrient Management Plan.
Content	Nutrient Management Plans (NMP) must: ² <ul style="list-style-type: none"> - Ensure adequate storage of manure, litter, and process wastewater, including procedures to ensure proper operation and maintenance of the storage facilities. - Ensure proper management of mortalities. - Ensure that clean water is diverted from the production area. - Prevent direct contact of confined animals with waters of the United States. - 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, litter, process wastewater, and soil. - Establish protocols to land apply manure or process wastewater in accordance with site-specific nutrient management practices that ensure appropriate agricultural utilization of the nutrients in the manure or process wastewater. - Identify specific records that will be maintained to document the implementation and management.
Frequency of Updates	There is not a reference to update frequency, but annual reports are required..
Paperwork	Records must be maintained for five years, and a copy of the NMP must be maintained on-site.
Planner Qualifications	Under the NPDES, annual reports must include a statement indicating whether the current version of the NMP was developed or approved by a certified nutrient management planner. ³

Manure Storage and Application

Topic	Summary
Storage	<u>Structure</u> Under the NPDES, the production area must be designed, constructed, operated, and maintained to contain all manure and process wastewater,



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	including the runoff and the direct precipitation from a 25-year, 24-hour rainfall event. ⁴
Application	<p><u>Spreading</u></p> <p>Under the NPDES, the NMP must include fields available for land application, including application rates based on the liner approach or the narrative rate approach. Manure may not be applied within 100 feet to any down-gradient surface waters, open tile line intake structures, sinkholes, agricultural well heads, or other conduits to surface waters. A 35-foot-wide vegetated buffer or other conservation practice or conditions may replace the 100-foot setback. ⁵</p> <p><u>Testing</u></p> <p>Under the NPDES, manure must be analyzed a minimum of once annually for nitrogen and phosphorus content, and soil analyzed a minimum of once every five years for phosphorus content. ⁶</p>

Technical Assistance

Topic	Summary
Software Tools	<p>The <u>NH Phosphorus Index</u> is a spreadsheet developed by NH-NRCS to calculate the risk of phosphorus losses based on field practices, soil characteristics, and cropping practices.</p> <p><u>Manure Management Planner (MMP)</u> is a software tool created by Purdue University that includes state-specific information for New Hampshire producers to create manure management plans for crop and animal feeding operations.</p>
Guides / Handbooks	<p>NH NRCS <u>nutrient management 590 standard</u>.</p> <p>The University of NH's <u>Worksheet for Land Application of Biosolids</u> guides calculating appropriate rates for land application of biosolids based on soil test information, crop yield goals, and the nutrient content of biosolids.</p> <p>The NH Department of Agriculture, Markets & Food publishes and distributes a <u>Manual of Best Management Practices (BMPs) for Agriculture in New Hampshire</u>.</p>
Tailored Expert Assistance	<p>NH Association of Conservation Districts' conservation planners can provide dairy farmers with nutrient management plan <u>technical assistance</u>.</p> <p>NH Department of Agriculture, Markets & Food (NHDAMF) published a <u>manure exchange directory</u>, a list of individuals interested in picking up and/or receiving cow or other livestock manure.</p>



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[Northern Tilth](#) works with New Hampshire dairy farmers to develop state and federally compliant nutrient management plans.

Financial Assistance

Topic	Summary
For Farmers	<p>The Agricultural Nutrient Management (ANM) grant program assists farmers by providing grants up to \$5,000 with implementing Best Management Practices that prevent or mitigate water pollution or help manage agricultural nutrients including fertilizer, manure and compost. Funded projects include building concrete pads or structures or roofs for manure storage and developing CNMP to NRCS standards.</p> <p>NH NRCS provides assistance through:</p> <ul style="list-style-type: none">- 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.epa.gov/npdes-permits/npdes-water-permit-program-new-england>

² <https://www.law.cornell.edu/cfr/text/40/122.42>

³ <https://www.law.cornell.edu/cfr/text/40/122.42>

⁴ <https://www.ecfr.gov/current/title-40/chapter-I/subchapter-N/part-412>

⁵ <https://www.ecfr.gov/current/title-40/chapter-I/subchapter-N/part-412>

⁶ <https://www.ecfr.gov/current/title-40/chapter-I/subchapter-N/part-412>