



Nutrient Management Fact Sheet: Kansas

Updated FEBRUARY 2021

Disclaimer: This document does not constitute legal advice and is intended for educational purposes only. Readers and users are solely responsible for determining, and complying with, all federal, state and local laws, ordinances and regulations.

Nutrient Management Plans

| Topic | Summary |
|------------------------|---|
| Coverage | Dairies with over 700 cows require an NPDES permit, including a Nutrient Management Plan. ¹ |
| Content | The NMP shall be prepared in accordance with the latest edition of the Kansas Technical Standard – Nutrient Management . ² The plan includes: <ul style="list-style-type: none"> - Fields available for land application, locations and acreages. - Land application rate limitations determined in accordance with the Kansas Technical Standard for Nutrient Management. - Site-specific conservation practices with respect to setbacks, buffers, and equivalent practices. - Development of field-specific application rates and certain factors necessary for determining such rates. |
| Frequency of Updates | Changes to the plan require updates and must be submitted to the Kansas Department of Health and the Environment (KDHE) for review. |
| Paperwork | Annual reports must be filed with KDHE. |
| Planner Qualifications | The KDHE livestock waste management program permit application does not reference professional qualifications or certifications for the individual preparing the nutrient management plan. |

Manure Storage and Application

| Topic | Summary |
|----------|---|
| Overview | Dairies with 200-700 cows require a state permit ³ for the location of the operation. |
| Storage | <p>Facility Siting/Setback</p> <p>State permits require the following setbacks:^{4 5}</p> <ul style="list-style-type: none"> - 1,320 feet from habitable structures for dairies between 200-700 cows. - 4,000 feet from habitable structures for large dairies. <p>Facilities must also be a minimum of 100 feet from active water supply wells and 25 feet from public water supply pipelines.</p> <p>Structure</p> <p>Under the NPDES permit, facilities must be designed to the criteria specified in 40 CFR 412, including NMP specifications and NRCS requirements on waste storage. Additional requirements for Sediment Basins and Retention Structures can be found here.</p> |



Nutrient Management Fact Sheet: Kansas

| | |
|-------------|--|
| Application | <p><u>Spreading</u></p> <p>Manure and process wastewater may not be applied within 100 feet to any down-gradient surface water, open tile line intake structure, sinkhole, agricultural wellhead, or other conduits to surface water. A 35-foot-wide vegetative buffer may be substituted for the 100-foot setback.⁶</p> <p><u>Testing</u></p> <p>Soil tests shall be taken one year before the plan is developed and then a minimum of every three years after. Additional testing is required for land application areas.⁷</p> |
|-------------|--|

Technical Assistance

| Topic | Summary |
|----------------------------|--|
| Software Tools | <u>Manure Management Planner (MMP)</u> is a software tool created by Purdue University that includes state-specific information for Kansas producers to create manure management plans for crop and animal feeding operations. |
| Guides / Handbooks | <p>Kansas NRCS <u>590 nutrient management practice standard</u>.</p> <p>KDHE, in their <u>Livestock Waste Management Section</u>, gives a list of guidance documents and templates for developing NMPs and NUPs.</p> <p>Kansas State University (KSU) Agricultural Experiment Station and Cooperative Extension Service created an <u>NMP example</u> for producers to ensure accuracy and completion.</p> |
| Tailored Expert Assistance | KDHE provides a list of Agricultural Consultants for creating <u>Nutrient Management Plans</u> and installing <u>Livestock Waste Control Systems</u> . |

Financial Assistance

| Summary |
|--|
| <p>Kansas NRCS provides assistance through:</p> <ul style="list-style-type: none"> - Environmental Quality Incentives Program (<u>EQIP</u>)- offers financial cost-share assistance to farmers for the adoption of conservation practices and development of nutrient management plans (AFOs/CAFOs can find specific animal waste management assistance information <u>here</u>). - Conservation Stewardship Program (<u>CSP</u>), which gives producers financial assistance to implement new conservation management practices and enhancements. |

¹ [Kansas Department of Health and Environment: Livestock Waste Management Section \(kdheks.gov\)](http://Kansas Department of Health and Environment: Livestock Waste Management Section (kdheks.gov))

² [Microsoft Word - -6434990.doc \(kdheks.gov\)](#)

³ [65-171d \(ksrevisor.org\)](http://65-171d (ksrevisor.org))



Nutrient Management Fact Sheet: **Kansas**

⁴ [Microsoft Word - dairy guidance document Word rev 10-7-04.doc \(kdheks.gov\)](#)

⁵ [65-171d \(ksrevisor.org\)](#)

⁶ [Terms of the Nutrient Management Plan \(kdheks.gov\)](#)

⁷ [Terms of the Nutrient Management Plan \(kdheks.gov\)](#)