

NM-1306

**North Dakota
CAFO Operators**

**Record
Book**

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The North Dakota Department of Health established new guidelines for animal feeding operations (AFOs) and concentrated animal feeding operations (CAFOs) in January 2005. These guidelines were developed in accordance with the U.S. Environmental Protection Agency's Clean Water Act regulations for CAFOs.

The new guidelines include recordkeeping requirements that CAFO operators must retain on site. This record book is designed to assist CAFO operators with the records they need to keep in accordance with the EPA's CAFO regulations.

CAFO records must be kept for 5 years and AFO records for 3 years.

Besides this record book, CAFO owner/operators need to keep a current copy of their nutrient management plan with soil and manure sample information, as well as a mortality management plan and their runoff containment system design, as part of their on-site records package.

This record book is a companion to the EPA Producers Compliance Guide for CAFOs (EPA 821-R-03-010).

By using this record book, North Dakota CAFO operators will meet the recordkeeping requirements of the North Dakota guidelines for AFOs and CAFOs that are not included in a nutrient management or mortality plan.

Inspection Records

| | Date | Daily Water Line Checks (initial if no problems) | | | | | | |
|--------|------|---|-------|-------|-------|-------|-------|-------|
| | | Day 1 | Day 2 | Day 3 | Day 4 | Day 5 | Day 6 | Day 7 |
| Week 1 | | | | | | | | |
| Week 2 | | | | | | | | |
| Week 3 | | | | | | | | |
| Week 4 | | | | | | | | |
| Week 5 | | | | | | | | |
| Week 6 | | | | | | | | |
| Week 7 | | | | | | | | |
| Week 8 | | | | | | | | |

| Weekly Checks (initial if no problems) | | | Weekly Reading of Depth Marker (feet below pump-down marker) | Corrective Action (action taken, date repaired and initials) |
|---|-------|----------------------|--|---|
| Diver- sions | Dikes | Storage Structure | | |
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Inspection Records

| | Date | Daily Water Line Checks (initial if no problems) | | | | | | |
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| | | Day 1 | Day 2 | Day 3 | Day 4 | Day 5 | Day 6 | Day 7 |
| Week 9 | | | | | | | | |
| Week 10 | | | | | | | | |
| Week 11 | | | | | | | | |
| Week 12 | | | | | | | | |
| Week 13 | | | | | | | | |
| Week 14 | | | | | | | | |
| Week 15 | | | | | | | | |
| Week 16 | | | | | | | | |

| Weekly Checks (initial if no problems) | | | Weekly Reading of Depth Marker (feet below pump-down marker) | Corrective Action (action taken, date repaired and initials) |
|---|-------|----------------------|--|---|
| Diver- sions | Dikes | Storage Structure | | |
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Inspection Records

| | Date | Daily Water Line Checks (initial if no problems) | | | | | | |
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| | | Day 1 | Day 2 | Day 3 | Day 4 | Day 5 | Day 6 | Day 7 |
| Week 17 | | | | | | | | |
| Week 18 | | | | | | | | |
| Week 19 | | | | | | | | |
| Week 20 | | | | | | | | |
| Week 21 | | | | | | | | |
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| Week 23 | | | | | | | | |
| Week 24 | | | | | | | | |

Inspection Records

| | Date | Daily Water Line Checks (initial if no problems) | | | | | | |
|---------|------|---|-------|-------|-------|-------|-------|-------|
| | | Day 1 | Day 2 | Day 3 | Day 4 | Day 5 | Day 6 | Day 7 |
| Week 25 | | | | | | | | |
| Week 26 | | | | | | | | |
| Week 27 | | | | | | | | |
| Week 28 | | | | | | | | |
| Week 29 | | | | | | | | |
| Week 30 | | | | | | | | |
| Week 31 | | | | | | | | |
| Week 32 | | | | | | | | |

| Weekly Checks (initial if no problems) | | | Weekly Reading of Depth Marker (feet below pump-down marker) | Corrective Action (action taken, date repaired and initials) |
|---|-------|----------------------|--|---|
| Diver- sions | Dikes | Storage Structure | | |
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Inspection Records

| | Date | Daily Water Line Checks (initial if no problems) | | | | | | |
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| | | Day 1 | Day 2 | Day 3 | Day 4 | Day 5 | Day 6 | Day 7 |
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| Week 34 | | | | | | | | |
| Week 35 | | | | | | | | |
| Week 36 | | | | | | | | |
| Week 37 | | | | | | | | |
| Week 38 | | | | | | | | |
| Week 39 | | | | | | | | |
| Week 40 | | | | | | | | |

| Weekly Checks (initial if no problems) | | | Weekly Reading of Depth Marker (feet below pump-down marker) | Corrective Action (action taken, date repaired and initials) |
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| Diver- sions | Dikes | Storage Structure | | |
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Inspection Records

| | Date | Daily Water Line Checks (initial if no problems) | | | | | | |
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| | | Day 1 | Day 2 | Day 3 | Day 4 | Day 5 | Day 6 | Day 7 |
| Week 41 | | | | | | | | |
| Week 42 | | | | | | | | |
| Week 43 | | | | | | | | |
| Week 44 | | | | | | | | |
| Week 45 | | | | | | | | |
| Week 46 | | | | | | | | |
| Week 47 | | | | | | | | |
| Week 48 | | | | | | | | |

| Weekly Checks (initial if no problems) | | | Weekly Reading of Depth Marker (feet below pump-down marker) | Corrective Action (action taken, date repaired and initials) |
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| Diver-sions | Dikes | Storage Structure | | |
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Monthly Weather Conditions

Month _____ Year _____

| Day | Sky | Temperature | Wind Direction | Wind Speed | Rainfall Amounts* | |
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| | | | | | Overnight | Daytime |
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Weather - C/A

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Monthly Weather Conditions

Month _____ Year _____

| Day | Sky | Temperature | Wind Direction | Wind Speed | Rainfall Amounts* | |
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Weather - C/A

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Monthly Weather Conditions

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| Day | Sky | Temperature | Wind Direction | Wind Speed | Rainfall Amounts* | |
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Monthly Weather Conditions

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Monthly Weather Conditions

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Weather - C/A

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Monthly Weather Conditions

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| Day | Sky | Temperature | Wind Direction | Wind Speed | Rainfall Amounts* | |
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Weather - C/A

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Monthly Weather Conditions

Month _____ Year _____

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Weather - C/A

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Monthly Weather Conditions

Month _____ Year _____

| Day | Sky | Temperature | Wind Direction | Wind Speed | Rainfall Amounts* | |
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Weather - C/A

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Monthly Weather Conditions

Month _____ Year _____

| Day | Sky | Temperature | Wind Direction | Wind Speed | Rainfall Amounts* | |
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Weather - C/A

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Monthly Weather Conditions

Month _____ Year _____

| Day | Sky | Temperature | Wind Direction | Wind Speed | Rainfall Amounts* | |
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Weather - C/A

*Required

Monthly Weather Conditions

Month _____ Year _____

| Day | Sky | Temperature | Wind Direction | Wind Speed | Rainfall Amounts* | |
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Weather - C/A

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Monthly Weather Conditions

Month _____ Year _____

| Day | Sky | Temperature | Wind Direction | Wind Speed | Rainfall Amounts* | |
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Weather - C/A

*Required

Manure Application Log

Field Identification _____ Acres _____

Manure Sample ID _____

| Date | Method of Application and Date of Incorporation | Total N Applied (lbs/acre) | Total P Applied (lbs/acre) |
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Manure Transfer Log*

| Date | Recipient's Name | Address |
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*This is a record of manure transferred to farm land **not** owned or operated by the livestock owner.

| Amount (tons or gallons) | Type (liquid or solid) | Was a copy of the most recent nutrient analysis provided to the recipient? (yes or no) |
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Manure Transfer Log*

| Date | Recipient's Name | Address |
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| Estimated Volume Corrective (tons or gallons) | Actions Taken | Date Corrected |
|---|----------------------|---------------------------|
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**For questions or
more information, contact:**

North Dakota Department of Health
Division of Water Quality
918 East Divide Avenue, 4th Floor
Bismarck, ND 58501-1947

(701) 328-5210

Typical nutrient concentration of animal manures

| Species/Form | N | P ₂ O ₅ | K ₂ O |
|--------------------------|-------------------------|-------------------------------|------------------|
| Beef | | | |
| <i>Solid</i> - dirt lot | ----- lb/ton ----- | | |
| – Cows | 25 | 18 | 22 |
| Dairy | | | |
| <i>Solid</i> | ----- lb/ton ----- | | |
| – Cows | 11 | 7 | 9 |
| <i>Liquid</i> | ----- lb/1000 gal ----- | | |
| – Anaerobic storage | 22 | 14 | 20 |
| Swine | | | |
| <i>Solid</i> | ----- lb/ton ----- | | |
| – Finishing | 13 | 13 | 9 |
| <i>Liquid</i> | ----- lb/1000 gal ----- | | |
| – Finishing | 27 | 19 | 15 |
| Sheep^a | | | |
| <i>Solid</i> | ----- lb/ton ----- | | |
| – Sheep | 20 | 13 | 27 |
| Poultry, Turkey | | | |
| <i>Solid</i> | ----- lb/ton ----- | | |
| – Turkeys | 55 | 63 | 40 |

Source: "Determining Crop Available Nutrients from Manure." G97-1335A. Univ. Of Nebraska Cooperative Extension

^a North Carolina State University

Record for application year:

For more information on this and other topics, see: www.ag.ndsu.edu

County commissions, North Dakota State University and U.S. Department of Agriculture cooperating. Duane Hauck, director, Fargo, N.D. Distributed in furtherance of the acts of Congress of May 8 and June 30, 1914. We offer our programs and facilities to all people regardless of race, color, national origin, religion, gender, disability, age, veteran's status or sexual orientation; and are an equal opportunity institution. This publication will be made available in alternative formats for people with disabilities upon request, (701) 231-7881.

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