


Nutrient Management Record Keeping Calendar

July 2011-December 2012



Developed by:
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Charles A. Shapiro, Soils Scientist - Crop Nutrition;
Charles S. Wortmann, Nutrient Management Specialist;
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The authors thank Richard Deloughery, Ken Lamb, Chris Henry, and Leslie Johnson for the use of their photographs within this publication.

Records for Nebraska Concentrated Animal Feeding Operations

Operation ID: _____

General Directions

- Record the initials of the person performing the inspection each time. Check marks will not satisfy the recordkeeping requirements.
- Record any maintenance and/or repairs.
- Correct all deficiencies within 30 days.

Daily Records and Inspections

- Inspect all waterlines (both drinking and cooling) within the drainage area.
- Weather Information - Record any measurable rainfall that occurs at the facility.
- Collect carcasses and properly dispose of them within 24 hours.

Weekly Records and Inspections

- Record the liquid depth of the manure storage structure as indicated on the depth marker. Be sure that the recommended pumping level is either indicated on the marker or written down.
- Before use, inspect any equipment used for land application of manure and/or wastewater.
- Inspect all waste control facilities, including lagoon, holding ponds, concrete tanks, pits, and manure storage structures.
- Inspect all storm water and runoff diversion devices used to channel contaminated storm water to storage structures.

Monthly Records and Inspections

- Inspect facilities used for disposal of carcasses. Include composting facilities, containers, and burial sites in the inspection.
- Do NOT dispose of carcasses in any liquid manure or process wastewater system.

Yearly Records and Inspections

- Record the depth of the sludge layer of the lagoon or holding pond.
- At least 1 representative from an operation must attend Land Application Training every 5 years.

Yearly Sample Collection and Analysis

- Collect manure and/or wastewater samples at least 1 time per year.
- Analyze manure/wastewater samples for at least total nitrogen and phosphorus
- Collect soil samples every year on sites used for N application.
- Analyze soil samples for phosphorus.

Yearly Site Requirements

- Complete and submit an annual report for the previous year to NDEQ by March 1.
- Keep records on site for a minimum of 5 years.

Additional information and space for records is provided at the end of each year.

Disclaimer

The information in this calendar should assist producers to meet legal requirements and protect environmentally sensitive areas around their operations. The use of this calendar and accompanying information is intended to serve as a guide and does not guarantee compliance with the NDEQ rules and regulations.

Manure / Wastewater Applied:

Field ID & Location _____ Acres Applied _____ Date _____
 Manure Source _____ Application Method _____
 Application Rate _____ Total Applied N _____ Applied P _____

Field ID & Location _____ Acres Applied _____ Date _____
 Manure Source _____ Application Method _____
 Application Rate _____ Total Applied N _____ Applied P _____

Field ID & Location _____ Acres Applied _____ Date _____
 Manure Source _____ Application Method _____
 Application Rate _____ Total Applied N _____ Applied P _____

Field ID & Location _____ Acres Applied _____ Date _____
 Manure Source _____ Application Method _____
 Application Rate _____ Total Applied N _____ Applied P _____

Field ID & Location _____ Acres Applied _____ Date _____
 Manure Source _____ Application Method _____
 Application Rate _____ Total Applied N _____ Applied P _____

Notes _____

**Additional information and
 space for records is provided
 on the back page.*

Crops Harvested—Nutrients Removed

| Date | Field ID and Location | Crop Type | Yield | Acreage | N Removed | P Removed |
|------|-----------------------|-----------|-------|---------|-----------|-----------|
| | | | | | | |
| | | | | | | |
| | | | | | | |

Crop Nutrient Needs—Estimates for Next Year

| Date | Field ID and Location | Crop Type | Yield | Acreage | N Required | P Required |
|------|-----------------------|-----------|-------|---------|------------|------------|
| | | | | | | |
| | | | | | | |
| | | | | | | |

Manure Sold or Given Away

(An information sheet containing your operation name and address along with a written statement that manure / wastewater must not enter waters of the state and the nutrient analysis must be provided to the recipient.)

Manure volume/weight _____ Date _____
 Recipient Name and Address _____

Manure volume/weight _____ Date _____
 Recipient Name and Address _____

Manure volume/weight _____ Date _____
 Recipient Name and Address _____

Manure volume/weight _____ Date _____
 Recipient Name and Address _____

Manure transfers are legal if done properly

Livestock owners must provide manure analysis to the recipient. Livestock owners must keep records for five (5) years including the date, the name and address of the recipient and the approximate amount of manure transferred.

Manure Application Equipment Maintenance

| Date | Equipment | Maintenance Done |
|------|-----------|------------------|
| | | |
| | | |
| | | |

July 2011

Monthly Inspections

Mortality Management System _____ Date _____
Notes _____

| Sun | Mon | Tue | Wed | Thu | Fri | Sat | Weekly Inspections |
|--|--|--|--|--|--|--|---|
| | | | | | 1 Rainfall _____ Waterline Inspection _____ | 2 Rainfall _____ Waterline Inspection _____ | •Lagoon Depth Marker (ft) _____ Date _____ •Manure Storage & Equipment Inspection _____ Notes _____ Date _____ •Water & Runoff Diversion or Containment Devices _____ Notes _____ Date _____ •Maintenance or Repairs _____ Date _____ Notes _____ |
| 3 Rainfall _____ Waterline Inspection _____ | 4 Rainfall _____ Waterline Inspection _____ | 5 Rainfall _____ Waterline Inspection _____ | 6 Rainfall _____ Waterline Inspection _____ | 7 Rainfall _____ Waterline Inspection _____ | 8 Rainfall _____ Waterline Inspection _____ | 9 Rainfall _____ Waterline Inspection _____ | •Lagoon Depth Marker (ft) _____ Date _____ •Manure Storage & Equipment Inspection _____ Notes _____ Date _____ •Water & Runoff Diversion or Containment Devices _____ Notes _____ Date _____ •Maintenance or Repairs _____ Date _____ Notes _____ |
| 10 Rainfall _____ Waterline Inspection _____ | 11 Rainfall _____ Waterline Inspection _____ | 12 Rainfall _____ Waterline Inspection _____ | 13 Rainfall _____ Waterline Inspection _____ | 14 Rainfall _____ Waterline Inspection _____ | 15 Rainfall _____ Waterline Inspection _____ | 16 Rainfall _____ Waterline Inspection _____ | •Lagoon Depth Marker (ft) _____ Date _____ •Manure Storage & Equipment Inspection _____ Notes _____ Date _____ •Water & Runoff Diversion or Containment Devices _____ Notes _____ Date _____ •Maintenance or Repairs _____ Date _____ Notes _____ |
| 17 Rainfall _____ Waterline Inspection _____ | 18 Rainfall _____ Waterline Inspection _____ | 19 Rainfall _____ Waterline Inspection _____ | 20 Rainfall _____ Waterline Inspection _____ | 21 Rainfall _____ Waterline Inspection _____ | 22 Rainfall _____ Waterline Inspection _____ | 23 Rainfall _____ Waterline Inspection _____ | •Lagoon Depth Marker (ft) _____ Date _____ •Manure Storage & Equipment Inspection _____ Notes _____ Date _____ •Water & Runoff Diversion or Containment Devices _____ Notes _____ Date _____ •Maintenance or Repairs _____ Date _____ Notes _____ |
| 24 Rainfall _____ Waterline Inspection _____ | 25 Rainfall _____ Waterline Inspection _____ | 26 Rainfall _____ Waterline Inspection _____ | 27 Rainfall _____ Waterline Inspection _____ | 28 Rainfall _____ Waterline Inspection _____ | 29 Rainfall _____ Waterline Inspection _____ | 30 Rainfall _____ Waterline Inspection _____ | •Lagoon Depth Marker (ft) _____ Date _____ •Manure Storage & Equipment Inspection _____ Notes _____ Date _____ •Water & Runoff Diversion or Containment Devices _____ Notes _____ Date _____ •Maintenance or Repairs _____ Date _____ Notes _____ |
| 31 Rainfall _____ Waterline Inspection _____ | <div style="border: 2px solid black; border-radius: 50%; padding: 10px; width: fit-content; margin: 0 auto;"> <p>In case of a spill or discharge, take measures to contain the spill and contact NDEQ at 1-402-471-4239 within 24 hours. Written reports of a spill must be completed within 5 days.</p> </div> | | | | | | •Lagoon Depth Marker (ft) _____ Date _____ •Manure Storage & Equipment Inspection _____ Notes _____ Date _____ •Water & Runoff Diversion or Containment Devices _____ Notes _____ Date _____ •Maintenance or Repairs _____ Date _____ Notes _____ |

Manure Sold or Given Away

(An information sheet containing your operation name and address along with a written statement that manure / wastewater must not enter waters of the state and the nutrient analysis must be provided to the recipient.)

Manure volume/weight _____ Date _____

Recipient Name and Address _____

Manure volume/weight _____ Date _____

Recipient Name and Address _____

Manure volume/weight _____ Date _____

Recipient Name and Address _____

Manure volume/weight _____ Date _____

Recipient Name and Address _____

Notes

**Additional information and space for records is provided on the back page.*

Manure / Wastewater Applied:

Field ID & Location _____ Acres Applied _____ Date _____

Manure Source _____ Application Method _____

Application Rate _____ Total Applied N _____ Applied P _____

Field ID & Location _____ Acres Applied _____ Date _____

Manure Source _____ Application Method _____

Application Rate _____ Total Applied N _____ Applied P _____

Field ID & Location _____ Acres Applied _____ Date _____

Manure Source _____ Application Method _____

Application Rate _____ Total Applied N _____ Applied P _____

Field ID & Location _____ Acres Applied _____ Date _____

Manure Source _____ Application Method _____

Application Rate _____ Total Applied N _____ Applied P _____

Field ID & Location _____ Acres Applied _____ Date _____

Manure Source _____ Application Method _____

Application Rate _____ Total Applied N _____ Applied P _____

Field ID & Location _____ Acres Applied _____ Date _____

Manure Source _____ Application Method _____

Application Rate _____ Total Applied N _____ Applied P _____

Crops Harvested—Nutrients Removed

| Date | Field ID and Location | Crop Type | Yield | Acreage | N Removed | P Removed |
|------|-----------------------|-----------|-------|---------|-----------|-----------|
| | | | | | | |
| | | | | | | |
| | | | | | | |

Crop Nutrient Needs—Estimates for Next Year

| Date | Field ID and Location | Crop Type | Yield | Acreage | N Required | P Required |
|------|-----------------------|-----------|-------|---------|------------|------------|
| | | | | | | |
| | | | | | | |
| | | | | | | |

Sampling Manure

When sampling manure, freeze the sample if it cannot be delivered to the lab for several days. Nutrient content can be altered by microorganisms in the sample if it is not frozen.

August 2011

Monthly Inspections

Mortality Management System _____ Date _____
Notes _____

| Sun | Mon | Tue | Wed | Thu | Fri | Sat | Weekly Inspections |
|--|--|--|--|--|--|--|--|
| | 1 Rainfall _____ Waterline Inspection _____ | 2 Rainfall _____ Waterline Inspection _____ | 3 Rainfall _____ Waterline Inspection _____ | 4 Rainfall _____ Waterline Inspection _____ | 5 Rainfall _____ Waterline Inspection _____ | 6 Rainfall _____ Waterline Inspection _____ | <ul style="list-style-type: none"> •Lagoon Depth Marker (ft) _____ Date _____ •Manure Storage & Equipment Inspection _____ Notes _____ Date _____ •Water & Runoff Diversion or Containment Devices _____ Notes _____ Date _____ •Maintenance or Repairs _____ Date _____ Notes _____ |
| 7 Rainfall _____ Waterline Inspection _____ | 8 Rainfall _____ Waterline Inspection _____ | 9 Rainfall _____ Waterline Inspection _____ | 10 Rainfall _____ Waterline Inspection _____ | 11 Rainfall _____ Waterline Inspection _____ | 12 Rainfall _____ Waterline Inspection _____ | 13 Rainfall _____ Waterline Inspection _____ | <ul style="list-style-type: none"> •Lagoon Depth Marker (ft) _____ Date _____ •Manure Storage & Equipment Inspection _____ Notes _____ Date _____ •Water & Runoff Diversion or Containment Devices _____ Notes _____ Date _____ •Maintenance or Repairs _____ Date _____ Notes _____ |
| 14 Rainfall _____ Waterline Inspection _____ | 15 Rainfall _____ Waterline Inspection _____ | 16 Rainfall _____ Waterline Inspection _____ | 17 Rainfall _____ Waterline Inspection _____ | 18 Rainfall _____ Waterline Inspection _____ | 19 Rainfall _____ Waterline Inspection _____ | 20 Rainfall _____ Waterline Inspection _____ | <ul style="list-style-type: none"> •Lagoon Depth Marker (ft) _____ Date _____ •Manure Storage & Equipment Inspection _____ Notes _____ Date _____ •Water & Runoff Diversion or Containment Devices _____ Notes _____ Date _____ •Maintenance or Repairs _____ Date _____ Notes _____ |
| 21 Rainfall _____ Waterline Inspection _____ | 22 Rainfall _____ Waterline Inspection _____ | 23 Rainfall _____ Waterline Inspection _____ | 24 Rainfall _____ Waterline Inspection _____ | 25 Rainfall _____ Waterline Inspection _____ | 26 Rainfall _____ Waterline Inspection _____ | 27 Rainfall _____ Waterline Inspection _____ | <ul style="list-style-type: none"> •Lagoon Depth Marker (ft) _____ Date _____ •Manure Storage & Equipment Inspection _____ Notes _____ Date _____ •Water & Runoff Diversion or Containment Devices _____ Notes _____ Date _____ •Maintenance or Repairs _____ Date _____ Notes _____ |
| 28 Rainfall _____ Waterline Inspection _____ | 29 Rainfall _____ Waterline Inspection _____ | 30 Rainfall _____ Waterline Inspection _____ | 31 Rainfall _____ Waterline Inspection _____ | <div style="border: 2px solid black; border-radius: 50%; padding: 10px; width: fit-content; margin: 0 auto;"> <p>In case of a spill or discharge, take measures to contain the spill and contact NDEQ at 1-402-471-4239 within 24 hours. Written reports of a spill must be completed within 5 days.</p> </div> | | | <ul style="list-style-type: none"> •Lagoon Depth Marker (ft) _____ Date _____ •Manure Storage & Equipment Inspection _____ Notes _____ Date _____ •Water & Runoff Diversion or Containment Devices _____ Notes _____ Date _____ •Maintenance or Repairs _____ Date _____ Notes _____ |

Manure / Wastewater Applied:

Field ID & Location _____ Acres Applied _____ Date _____
 Manure Source _____ Application Method _____
 Application Rate _____ Total Applied N _____ Applied P _____

Field ID & Location _____ Acres Applied _____ Date _____
 Manure Source _____ Application Method _____
 Application Rate _____ Total Applied N _____ Applied P _____

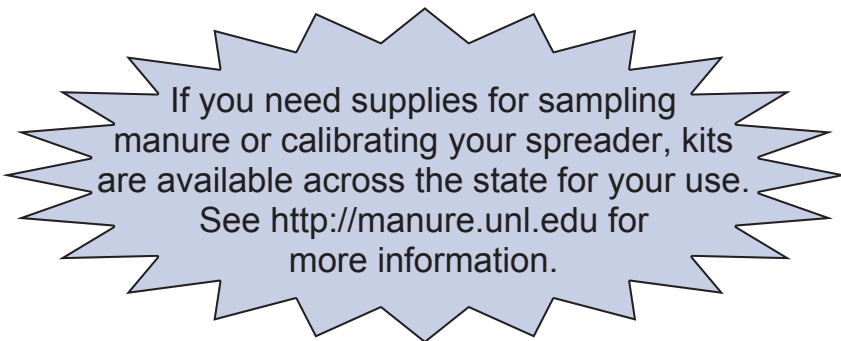
Field ID & Location _____ Acres Applied _____ Date _____
 Manure Source _____ Application Method _____
 Application Rate _____ Total Applied N _____ Applied P _____

Manure Spreader Calibration

| Date | Equipment Type | Manure Source | Calibration Method | Calculated amount of Manure Applied per acre |
|------|----------------|---------------|--------------------|--|
| | | | | |
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Calibration of Dry Manure Spreader

Manure spreaders should be calibrated regularly. For dry solid manure, 22 square foot plastic sheets can be used. Place in field and spread over several sheets (as would be done if the sheet were not there). The manure should be collected from each sheet and weighed. The average weight from several sheets will be the average amount of manure spread (1 lb = 1 T/a).



Crops Harvested—Nutrients Removed

| Date | Field ID and Location | Crop Type | Yield | Acreage | N Removed | P Removed |
|------|-----------------------|-----------|-------|---------|-----------|-----------|
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |

Crop Nutrient Needs—Estimates for Next Year

| Date | Field ID and Location | Crop Type | Yield | Acreage | N Required | P Required |
|------|-----------------------|-----------|-------|---------|------------|------------|
| | | | | | | |
| | | | | | | |
| | | | | | | |
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Fields with setbacks

| Field ID and Location | Areas of setback |
|-----------------------|------------------|
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September 2011

Monthly Inspections
 Mortality Management System _____ Date _____
 Notes _____

| Sun | Mon | Tue | Wed | Thu | Fri | Sat | Weekly Inspections |
|---|---|---|---|---|---|---|--|
| <p>In case of a spill or discharge, take measures to contain the spill and contact NDEQ at 1-402-471-4239 within 24 hours. Written reports of a spill must be completed within 5 days.</p> | | | | <p>1</p> <p>Rainfall _____ Waterline Inspection _____</p> | <p>2</p> <p>Rainfall _____ Waterline Inspection _____</p> | <p>3</p> <p>Rainfall _____ Waterline Inspection _____</p> | <p>•Lagoon Depth Marker (ft) _____ Date _____ •Manure Storage & Equipment Inspection _____ Notes _____ Date _____ •Water & Runoff Diversion or Containment Devices _____ Notes _____ Date _____ •Maintenance or Repairs _____ Date _____ Notes _____</p> |
| <p>4</p> <p>Rainfall _____ Waterline Inspection _____</p> | <p>5</p> <p>Rainfall _____ Waterline Inspection _____</p> | <p>6</p> <p>Rainfall _____ Waterline Inspection _____</p> | <p>7</p> <p>Rainfall _____ Waterline Inspection _____</p> | <p>8</p> <p>Rainfall _____ Waterline Inspection _____</p> | <p>9</p> <p>Rainfall _____ Waterline Inspection _____</p> | <p>10</p> <p>Rainfall _____ Waterline Inspection _____</p> | <p>•Lagoon Depth Marker (ft) _____ Date _____ •Manure Storage & Equipment Inspection _____ Notes _____ Date _____ •Water & Runoff Diversion or Containment Devices _____ Notes _____ Date _____ •Maintenance or Repairs _____ Date _____ Notes _____</p> |
| <p>11</p> <p>Rainfall _____ Waterline Inspection _____</p> | <p>12</p> <p>Rainfall _____ Waterline Inspection _____</p> | <p>13</p> <p>Rainfall _____ Waterline Inspection _____</p> | <p>14</p> <p>Rainfall _____ Waterline Inspection _____</p> | <p>15</p> <p>Rainfall _____ Waterline Inspection _____</p> | <p>16</p> <p>Rainfall _____ Waterline Inspection _____</p> | <p>17</p> <p>Rainfall _____ Waterline Inspection _____</p> | <p>•Lagoon Depth Marker (ft) _____ Date _____ •Manure Storage & Equipment Inspection _____ Notes _____ Date _____ •Water & Runoff Diversion or Containment Devices _____ Notes _____ Date _____ •Maintenance or Repairs _____ Date _____ Notes _____</p> |
| <p>18</p> <p>Rainfall _____ Waterline Inspection _____</p> | <p>19</p> <p>Rainfall _____ Waterline Inspection _____</p> | <p>20</p> <p>Rainfall _____ Waterline Inspection _____</p> | <p>21</p> <p>Rainfall _____ Waterline Inspection _____</p> | <p>22</p> <p>Rainfall _____ Waterline Inspection _____</p> | <p>23</p> <p>Rainfall _____ Waterline Inspection _____</p> | <p>24</p> <p>Rainfall _____ Waterline Inspection _____</p> | <p>•Lagoon Depth Marker (ft) _____ Date _____ •Manure Storage & Equipment Inspection _____ Notes _____ Date _____ •Water & Runoff Diversion or Containment Devices _____ Notes _____ Date _____ •Maintenance or Repairs _____ Date _____ Notes _____</p> |
| <p>25</p> <p>Rainfall _____ Waterline Inspection _____</p> | <p>26</p> <p>Rainfall _____ Waterline Inspection _____</p> | <p>27</p> <p>Rainfall _____ Waterline Inspection _____</p> | <p>28</p> <p>Rainfall _____ Waterline Inspection _____</p> | <p>29</p> <p>Rainfall _____ Waterline Inspection _____</p> | <p>30</p> <p>Rainfall _____ Waterline Inspection _____</p> | | <p>•Lagoon Depth Marker (ft) _____ Date _____ •Manure Storage & Equipment Inspection _____ Notes _____ Date _____ •Water & Runoff Diversion or Containment Devices _____ Notes _____ Date _____ •Maintenance or Repairs _____ Date _____ Notes _____</p> |

| Crops Harvested—Nutrients Removed | | | | | | |
|-----------------------------------|-----------------------|-----------|-------|---------|-----------|-----------|
| Date | Field ID and Location | Crop Type | Yield | Acreage | N Removed | P Removed |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |

| Crop Nutrient Needs—Estimates for Next Year | | | | | | |
|---|-----------------------|-----------|-------|---------|------------|------------|
| Date | Field ID and Location | Crop Type | Yield | Acreage | N Required | P Required |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |

Manure / Wastewater Applied:

Field ID & Location _____ Acres Applied _____ Date _____
 Manure Source _____ Application Method _____
 Application Rate _____ Total Applied N _____ Applied P _____

Field ID & Location _____ Acres Applied _____ Date _____
 Manure Source _____ Application Method _____
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Field ID & Location _____ Acres Applied _____ Date _____
 Manure Source _____ Application Method _____
 Application Rate _____ Total Applied N _____ Applied P _____

Field ID & Location _____ Acres Applied _____ Date _____
 Manure Source _____ Application Method _____
 Application Rate _____ Total Applied N _____ Applied P _____

Field ID & Location _____ Acres Applied _____ Date _____
 Manure Source _____ Application Method _____
 Application Rate _____ Total Applied N _____ Applied P _____

| Soil Sampling | | | | | |
|-----------------------|--------------|--------------------|-----------------------|--------------|--------------------|
| Field ID and Location | Sample Depth | Date of Collection | Field ID and Location | Sample Depth | Date of Collection |
| | | | | | |
| | | | | | |
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Soil Sampling Tells Nutrient Needs

Knowing the amount of nutrients already in the soil allows you to match manure application rates to field needs. Soil samples allow for the most profitable use of manure since they identify areas where nutrients are depleted. Soil should be sampled at the same time every year to achieve consistent results.

Sampling depth for P is 0-8 inches and for N could be up to 48 inches depending on soil type.

Notes _____

**Additional information and space for records is provided on the back page.*



October 2011

Monthly Inspections

Mortality Management System _____ Date _____

Notes _____

| Sun | Mon | Tue | Wed | Thu | Fri | Sat | Weekly Inspections |
|--|--|--|--|--|--|--|--|
| | | | | | | 1 Rainfall _____ Waterline Inspection _____ | <ul style="list-style-type: none"> •Lagoon Depth Marker (ft) _____ Date _____ •Manure Storage & Equipment Inspection _____ Notes _____ Date _____ •Water & Runoff Diversion or Containment Devices _____ Notes _____ Date _____ •Maintenance or Repairs _____ Date _____ Notes _____ |
| 2 Rainfall _____ Waterline Inspection _____ | 3 Rainfall _____ Waterline Inspection _____ | 4 Rainfall _____ Waterline Inspection _____ | 5 Rainfall _____ Waterline Inspection _____ | 6 Rainfall _____ Waterline Inspection _____ | 7 Rainfall _____ Waterline Inspection _____ | 8 Rainfall _____ Waterline Inspection _____ | <ul style="list-style-type: none"> •Lagoon Depth Marker (ft) _____ Date _____ •Manure Storage & Equipment Inspection _____ Notes _____ Date _____ •Water & Runoff Diversion or Containment Devices _____ Notes _____ Date _____ •Maintenance or Repairs _____ Date _____ Notes _____ |
| 9 Rainfall _____ Waterline Inspection _____ | 10 Rainfall _____ Waterline Inspection _____ | 11 Rainfall _____ Waterline Inspection _____ | 12 Rainfall _____ Waterline Inspection _____ | 13 Rainfall _____ Waterline Inspection _____ | 14 Rainfall _____ Waterline Inspection _____ | 15 Rainfall _____ Waterline Inspection _____ | <ul style="list-style-type: none"> •Lagoon Depth Marker (ft) _____ Date _____ •Manure Storage & Equipment Inspection _____ Notes _____ Date _____ •Water & Runoff Diversion or Containment Devices _____ Notes _____ Date _____ •Maintenance or Repairs _____ Date _____ Notes _____ |
| 16 Rainfall _____ Waterline Inspection _____ | 17 Rainfall _____ Waterline Inspection _____ | 18 Rainfall _____ Waterline Inspection _____ | 19 Rainfall _____ Waterline Inspection _____ | 20 Rainfall _____ Waterline Inspection _____ | 21 Rainfall _____ Waterline Inspection _____ | 22 Rainfall _____ Waterline Inspection _____ | <ul style="list-style-type: none"> •Lagoon Depth Marker (ft) _____ Date _____ •Manure Storage & Equipment Inspection _____ Notes _____ Date _____ •Water & Runoff Diversion or Containment Devices _____ Notes _____ Date _____ •Maintenance or Repairs _____ Date _____ Notes _____ |
| 23 Rainfall _____ Waterline Inspection _____ | 24 Rainfall _____ Waterline Inspection _____ | 25 Rainfall _____ Waterline Inspection _____ | 26 Rainfall _____ Waterline Inspection _____ | 27 Rainfall _____ Waterline Inspection _____ | 28 Rainfall _____ Waterline Inspection _____ | 29 Rainfall _____ Waterline Inspection _____ | <ul style="list-style-type: none"> •Lagoon Depth Marker (ft) _____ Date _____ •Manure Storage & Equipment Inspection _____ Notes _____ Date _____ •Water & Runoff Diversion or Containment Devices _____ Notes _____ Date _____ •Maintenance or Repairs _____ Date _____ Notes _____ |
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| Crops Harvested—Nutrients Removed | | | | | | |
|-----------------------------------|-----------------------|-----------|-------|---------|-----------|-----------|
| Date | Field ID and Location | Crop Type | Yield | Acreage | N Removed | P Removed |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |

| Crop Nutrient Needs—Estimates for Next Year | | | | | | |
|---|-----------------------|-----------|-------|---------|------------|------------|
| Date | Field ID and Location | Crop Type | Yield | Acreage | N Required | P Required |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |

Manure / Wastewater Applied:

Field ID & Location _____ Acres Applied _____ Date _____
 Manure Source _____ Application Method _____
 Application Rate _____ Total Applied N _____ Applied P _____

Field ID & Location _____ Acres Applied _____ Date _____
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Field ID & Location _____ Acres Applied _____ Date _____
 Manure Source _____ Application Method _____
 Application Rate _____ Total Applied N _____ Applied P _____

Field ID & Location _____ Acres Applied _____ Date _____
 Manure Source _____ Application Method _____
 Application Rate _____ Total Applied N _____ Applied P _____

Liquid Manure Storage Over Winter

All liquid manure storage must have proper storage available prior to winter. Nebraska regulations state liquid manure facilities must be pumped down and be able to store 180 days of manure prior to the winter months. It is generally recommended that this happen before November 15 or before the ground freezes.

| Soil Sampling | | | | | |
|-----------------------|--------------|--------------------|-----------------------|--------------|--------------------|
| Field ID and Location | Sample Depth | Date of Collection | Field ID and Location | Sample Depth | Date of Collection |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |

Notes _____
**Additional information and space for records is provided on the back page.*

| Stockpile Locations | | |
|---------------------|-----------------------|-------------|
| Date Piled | Field ID and Location | Date Spread |
| | | |
| | | |
| | | |



November 2011

Monthly Inspections

Mortality Management System _____ Date _____

Notes _____

| Sun | Mon | Tue | Wed | Thu | Fri | Sat | Weekly Inspections |
|--|--|--|--|--|--|--|--|
| | | 1 Rainfall _____ Waterline Inspection _____ | 2 Rainfall _____ Waterline Inspection _____ | 3 Rainfall _____ Waterline Inspection _____ | 4 Rainfall _____ Waterline Inspection _____ | 5 Rainfall _____ Waterline Inspection _____ | <ul style="list-style-type: none"> ●Lagoon Depth Marker (ft) _____ Date _____ ●Manure Storage & Equipment Inspection _____ Notes _____ Date _____ ●Water & Runoff Diversion or Containment Devices _____ Notes _____ Date _____ ●Maintenance or Repairs _____ Date _____ Notes _____ |
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| 13 Rainfall _____ Waterline Inspection _____ | 14 Rainfall _____ Waterline Inspection _____ | 15 Rainfall _____ Waterline Inspection _____ | 16 Rainfall _____ Waterline Inspection _____ | 17 Rainfall _____ Waterline Inspection _____ | 18 Rainfall _____ Waterline Inspection _____ | 19 Rainfall _____ Waterline Inspection _____ | <ul style="list-style-type: none"> ●Lagoon Depth Marker (ft) _____ Date _____ ●Manure Storage & Equipment Inspection _____ Notes _____ Date _____ ●Water & Runoff Diversion or Containment Devices _____ Notes _____ Date _____ ●Maintenance or Repairs _____ Date _____ Notes _____ |
| 20 Rainfall _____ Waterline Inspection _____ | 21 Rainfall _____ Waterline Inspection _____ | 22 Rainfall _____ Waterline Inspection _____ | 23 Rainfall _____ Waterline Inspection _____ | 24 Rainfall _____ Waterline Inspection _____ | 25 Rainfall _____ Waterline Inspection _____ | 26 Rainfall _____ Waterline Inspection _____ | <ul style="list-style-type: none"> ●Lagoon Depth Marker (ft) _____ Date _____ ●Manure Storage & Equipment Inspection _____ Notes _____ Date _____ ●Water & Runoff Diversion or Containment Devices _____ Notes _____ Date _____ ●Maintenance or Repairs _____ Date _____ Notes _____ |
| 27 Rainfall _____ Waterline Inspection _____ | 28 Rainfall _____ Waterline Inspection _____ | 29 Rainfall _____ Waterline Inspection _____ | 30 Rainfall _____ Waterline Inspection _____ | <div style="border: 2px solid black; border-radius: 50%; padding: 10px; width: fit-content; margin: 0 auto;"> <p>In case of a spill or discharge, take measures to contain the spill and contact NDEQ at 1-402-471-4239 within 24 hours. Written reports of a spill must be completed within 5 days.</p> </div> | | | <ul style="list-style-type: none"> ●Lagoon Depth Marker (ft) _____ Date _____ ●Manure Storage & Equipment Inspection _____ Notes _____ Date _____ ●Water & Runoff Diversion or Containment Devices _____ Notes _____ Date _____ ●Maintenance or Repairs _____ Date _____ Notes _____ |

Manure / Wastewater Applied:

Field ID & Location _____ Acres Applied _____ Date _____
 Manure Source _____ Application Method _____
 Application Rate _____ Total Applied N _____ Applied P _____

Field ID & Location _____ Acres Applied _____ Date _____
 Manure Source _____ Application Method _____
 Application Rate _____ Total Applied N _____ Applied P _____

Field ID & Location _____ Acres Applied _____ Date _____
 Manure Source _____ Application Method _____
 Application Rate _____ Total Applied N _____ Applied P _____

Field ID & Location _____ Acres Applied _____ Date _____
 Manure Source _____ Application Method _____
 Application Rate _____ Total Applied N _____ Applied P _____

Employee Training

At least 1 representative must complete Land Application Training every 5 years.

Training Type _____ Date _____
 Employees Trained _____
 Trainer and Location _____

Training Type _____ Date _____
 Employees Trained _____
 Trainer and Location _____

Training Type _____ Date _____
 Employees Trained _____
 Trainer and Location _____

Protecting Groundwater

Groundwater samples from monitoring wells must be sampled every 6 months and the results must be mailed to NDEQ. Minimum laboratory tests that should be requested include: Nitrate, Chloride, and Ammonia.

Manure Sold or Given Away

(An information sheet containing your operation name and address along with a written statement that manure / wastewater must not enter waters of the state and the nutrient analysis must be provided to the recipient.)

Manure volume/weight _____ Date _____
 Recipient Name and Address _____

Manure volume/weight _____ Date _____
 Recipient Name and Address _____

Manure volume/weight _____ Date _____
 Recipient Name and Address _____

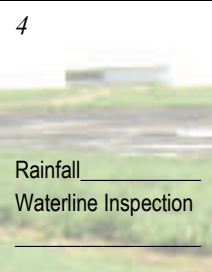
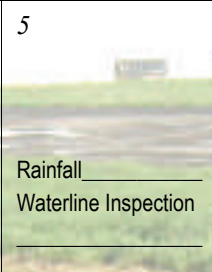
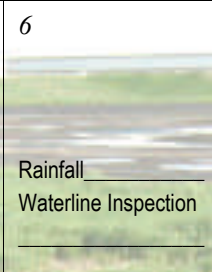
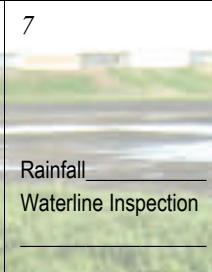
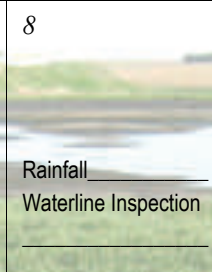
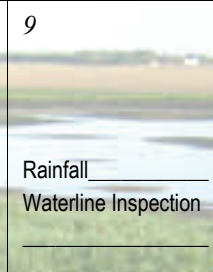
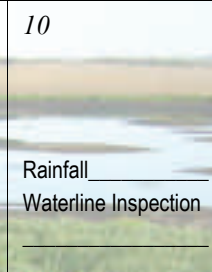
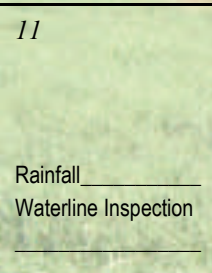
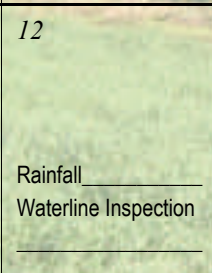
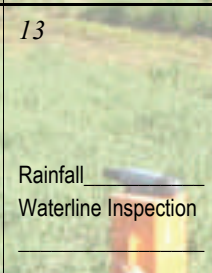

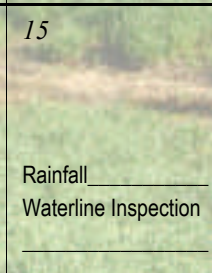
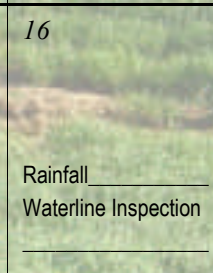



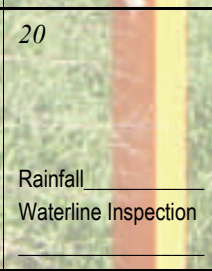

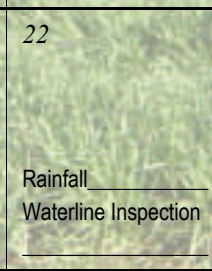
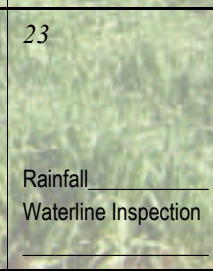
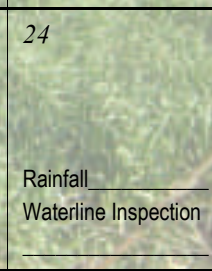

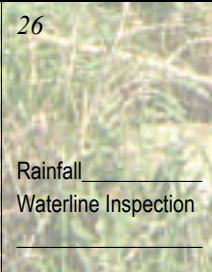
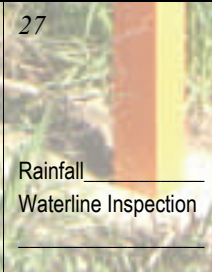

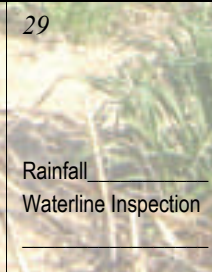
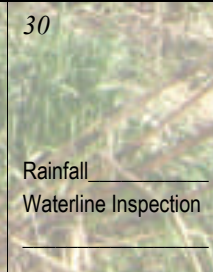
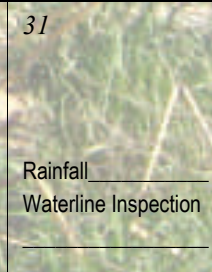
Notes

**Additional information and space for records is provided on the back page.*

December 2011

Monthly Inspections

Mortality Management System _____ Date _____
Notes _____

| Sun | Mon | Tue | Wed | Thu | Fri | Sat | Weekly Inspections |
|---|---|---|---|--|---|---|--|
| <p>In case of a spill or discharge, take measures to contain the spill and contact NDEQ at 1-402-471-4239 within 24 hours. Written reports of a spill must be completed within 5 days.</p> | | | | 1 Rainfall _____ Waterline Inspection _____ | 2 Rainfall _____ Waterline Inspection _____ | 3 Rainfall _____ Waterline Inspection _____ | <ul style="list-style-type: none"> •Lagoon Depth Marker (ft) _____ Date _____ •Manure Storage & Equipment Inspection _____ Notes _____ Date _____ •Water & Runoff Diversion or Containment Devices _____ Notes _____ Date _____ •Maintenance or Repairs _____ Date _____ Notes _____ |
| 4  Rainfall _____ Waterline Inspection _____ | 5  Rainfall _____ Waterline Inspection _____ | 6  Rainfall _____ Waterline Inspection _____ | 7  Rainfall _____ Waterline Inspection _____ | 8  Rainfall _____ Waterline Inspection _____ | 9  Rainfall _____ Waterline Inspection _____ | 10  Rainfall _____ Waterline Inspection _____ | <ul style="list-style-type: none"> •Lagoon Depth Marker (ft) _____ Date _____ •Manure Storage & Equipment Inspection _____ Notes _____ Date _____ •Water & Runoff Diversion or Containment Devices _____ Notes _____ Date _____ •Maintenance or Repairs _____ Date _____ Notes _____ |
| 11  Rainfall _____ Waterline Inspection _____ | 12  Rainfall _____ Waterline Inspection _____ | 13  Rainfall _____ Waterline Inspection _____ | 14  Rainfall _____ Waterline Inspection _____ | 15  Rainfall _____ Waterline Inspection _____ | 16  Rainfall _____ Waterline Inspection _____ | 17  Rainfall _____ Waterline Inspection _____ | <ul style="list-style-type: none"> •Lagoon Depth Marker (ft) _____ Date _____ •Manure Storage & Equipment Inspection _____ Notes _____ Date _____ •Water & Runoff Diversion or Containment Devices _____ Notes _____ Date _____ •Maintenance or Repairs _____ Date _____ Notes _____ |
| 18  Rainfall _____ Waterline Inspection _____ | 19  Rainfall _____ Waterline Inspection _____ | 20  Rainfall _____ Waterline Inspection _____ | 21  Rainfall _____ Waterline Inspection _____ | 22  Rainfall _____ Waterline Inspection _____ | 23  Rainfall _____ Waterline Inspection _____ | 24  Rainfall _____ Waterline Inspection _____ | <ul style="list-style-type: none"> •Lagoon Depth Marker (ft) _____ Date _____ •Manure Storage & Equipment Inspection _____ Notes _____ Date _____ •Water & Runoff Diversion or Containment Devices _____ Notes _____ Date _____ •Maintenance or Repairs _____ Date _____ Notes _____ |
| 25  Rainfall _____ Waterline Inspection _____ | 26  Rainfall _____ Waterline Inspection _____ | 27  Rainfall _____ Waterline Inspection _____ | 28  Rainfall _____ Waterline Inspection _____ | 29  Rainfall _____ Waterline Inspection _____ | 30  Rainfall _____ Waterline Inspection _____ | 31  Rainfall _____ Waterline Inspection _____ | <ul style="list-style-type: none"> •Lagoon Depth Marker (ft) _____ Date _____ •Manure Storage & Equipment Inspection _____ Notes _____ Date _____ •Water & Runoff Diversion or Containment Devices _____ Notes _____ Date _____ •Maintenance or Repairs _____ Date _____ Notes _____ |

General Directions

- Record the initials of the person performing the inspection each time. Check marks will not satisfy the recordkeeping requirements.
- Record any maintenance and/or repairs.
- Correct all deficiencies within 30 days.
- More detailed instructions can be found on page 3.

Phosphorus Index

| Date Completed | Field ID and Location | Risk Rating | Management |
|----------------|-----------------------|-------------|------------|
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Employee Training

At least 1 representative must complete Land Application Training every 5 years.

Training Type _____ Date _____

Employees Trained _____

Trainer and Location _____

Training Type _____ Date _____

Employees Trained _____

Trainer and Location _____

Training Type _____ Date _____

Employees Trained _____

Trainer and Location _____

Soil Sampling

| Field ID and Location | Sample Depth | Date of Collection |
|-----------------------|--------------|--------------------|
| | | |
| | | |
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| | | |
| | | |
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| | | |
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| | | |

Manure/Wastewater Sampling

| Sampling Location | Sample Depth | Date of Collection |
|-------------------|--------------|--------------------|
| | | |
| | | |
| | | |
| | | |
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| | | |
| | | |
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| | | |

Annual Sludge Level

Depth _____ Date _____

Disclaimer

The information in this calendar should assist producers to meet legal requirements and protect environmentally sensitive areas around their operations. The use of this calendar and accompanying information is intended to serve as a guide and does not guarantee compliance with the Nebraska Department of Environmental Quality rules and regulations.

Accidental Spill or Discharge

Date and time of spill or discharge _____

Length of time of spill or discharge _____

Location and source of spill _____

Date and time of oral NDEQ notification (must be within 24 hours) _____

Call NDEQ at 1-402-471-4239.

Estimated discharge volume _____

Date of sample collection (must be analyzed by a laboratory) _____

Description of the cause of the discharge _____

Precipitation amount (if cause of the discharge) _____

_____ Date _____

Send written spill report to:

Nebraska Dept. of Environmental Quality

Attention: Ag Department

1200 N Street Suite 400

Annual Report

Date report submitted to NDEQ _____

Reports are due March 1 of each year.

Location of files and records for inspections _____

Dates of NDEQ inspections _____

Manure/Wastewater Applied

| Date | Field ID and Location | Acreage Applied | Volume / Weight Applied | Manure Source | Application Method | Applied N | Applied P |
|------|-----------------------|-----------------|-------------------------|---------------|--------------------|-----------|-----------|
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Manure Sold or Given Away

(An information sheet containing your operation name and address along with a written statement that manure / wastewater must not enter waters of the state and the nutrient analysis must be provided to the recipient.)

Manure volume/weight _____ Date _____

Recipient Name and Address _____

Manure volume/weight _____ Date _____

Recipient Name and Address _____

Manure volume/weight _____ Date _____

Recipient Name and Address _____

Manure volume/weight _____ Date _____

Recipient Name and Address _____

Crops Harvested - Nutrients Removed

| Date | Field ID and Location | Crop Type | Yield | Acreage | N Removed | P Removed |
|------|-----------------------|-----------|-------|---------|-----------|-----------|
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |

Crop Nutrient Needs - Estimate for Next Year

| Date | Field ID and Location | Crop Type | Yield | Acreage | N Required | P Required |
|------|-----------------------|-----------|-------|---------|------------|------------|
| | | | | | | |
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Crop Removal Rates

(other crop information can be found on page 89 of the Manure Application Workbook which can be found at: <http://water.unl.edu/web/manure/workbooks>)

| Crop | Test Weight | DM, % | N | P ₂ O ₅ | Units |
|------------------|-------------|-------|------|-------------------------------|----------|
| Corn (grain) | 56 | 84.5 | 0.70 | 0.31 | lbs./bu. |
| Corn (stover) | | 85 | 17.7 | 3.5 | lbs./ton |
| Corn (silage) | | 35 | 9.0 | 3.2 | lbs./ton |
| Oats (grain) | 32 | 86 | 0.60 | 0.23 | lbs./bu. |
| Oats (straw) | | 90 | 12.7 | 2.5 | lbs./ton |
| Wheat (grain) | 60 | 86.5 | 1.2 | 0.50 | lbs./bu. |
| Wheat (straw) | | 90 | 10.1 | 2.1 | lbs./ton |
| Small grain hay | | 85 | 34.0 | 11.7 | lbs./ton |
| Soybeans (grain) | 60 | 87 | 3.5 | 0.79 | lbs./bu. |
| Alfalfa (hay) | | 85 | 46.2 | 9.3 | lbs./ton |
| Alfalfa (silage) | | 40 | 21.8 | 4.9 | lbs./ton |

Manure / Wastewater Applied:

Field ID & Location _____ Acres Applied _____ Date _____
 Manure Source _____ Application Method _____
 Application Rate _____ Total Applied N _____ Applied P _____

Field ID & Location _____ Acres Applied _____ Date _____
 Manure Source _____ Application Method _____
 Application Rate _____ Total Applied N _____ Applied P _____

Field ID & Location _____ Acres Applied _____ Date _____
 Manure Source _____ Application Method _____
 Application Rate _____ Total Applied N _____ Applied P _____

Field ID & Location _____ Acres Applied _____ Date _____
 Manure Source _____ Application Method _____
 Application Rate _____ Total Applied N _____ Applied P _____

Employee Training

At least 1 representative must complete Land Application Training every 5 years.

Training Type _____ Date _____
 Employees Trained _____
 Trainer and Location _____

Training Type _____ Date _____
 Employees Trained _____
 Trainer and Location _____

Training Type _____ Date _____
 Employees Trained _____
 Trainer and Location _____

Training Type _____ Date _____
 Employees Trained _____
 Trainer and Location _____

Training Type _____ Date _____
 Employees Trained _____
 Trainer and Location _____

Training Type _____ Date _____
 Employees Trained _____
 Trainer and Location _____

Land Application Training Required Every 5 years

Large CAFOs and livestock operations with Livestock Waste Control Facility (NPDES) Permits are required to take Land Application Training every 5 years. Initial training and recertification workshops are available, typically during the winter months.

All employees applying manure or keeping manure records are encouraged to attend this training.

For more information about how to obtain this training, visit <http://manure.unl.edu>

Notes

**Additional information and space for records is provided on the back page.*

January 2012

Monthly Inspections

Mortality Management System _____ Date _____
Notes _____

| Sun | Mon | Tue | Wed | Thu | Fri | Sat | Weekly Inspections |
|--|--|--|--|--|--|--|--|
| 1 Rainfall _____ Waterline Inspection _____ | 2 Rainfall _____ Waterline Inspection _____ | 3 Rainfall _____ Waterline Inspection _____ | 4 Rainfall _____ Waterline Inspection _____ | 5 Rainfall _____ Waterline Inspection _____ | 6 Rainfall _____ Waterline Inspection _____ | 7 Rainfall _____ Waterline Inspection _____ | <ul style="list-style-type: none"> •Lagoon Depth Marker (ft) _____ Date _____ •Manure Storage & Equipment Inspection _____ Notes _____ Date _____ •Water & Runoff Diversion or Containment Devices _____ Notes _____ Date _____ •Maintenance or Repairs _____ Date _____ Notes _____ |
| 8 Rainfall _____ Waterline Inspection _____ | 9 Rainfall _____ Waterline Inspection _____ | 10 Rainfall _____ Waterline Inspection _____ | 11 Rainfall _____ Waterline Inspection _____ | 12 Rainfall _____ Waterline Inspection _____ | 13 Rainfall _____ Waterline Inspection _____ | 14 Rainfall _____ Waterline Inspection _____ | <ul style="list-style-type: none"> •Lagoon Depth Marker (ft) _____ Date _____ •Manure Storage & Equipment Inspection _____ Notes _____ Date _____ •Water & Runoff Diversion or Containment Devices _____ Notes _____ Date _____ •Maintenance or Repairs _____ Date _____ Notes _____ |
| 15 Rainfall _____ Waterline Inspection _____ | 16 Rainfall _____ Waterline Inspection _____ | 17 Rainfall _____ Waterline Inspection _____ | 18 Rainfall _____ Waterline Inspection _____ | 19 Rainfall _____ Waterline Inspection _____ | 20 Rainfall _____ Waterline Inspection _____ | 21 Rainfall _____ Waterline Inspection _____ | <ul style="list-style-type: none"> •Lagoon Depth Marker (ft) _____ Date _____ •Manure Storage & Equipment Inspection _____ Notes _____ Date _____ •Water & Runoff Diversion or Containment Devices _____ Notes _____ Date _____ •Maintenance or Repairs _____ Date _____ Notes _____ |
| 22 Rainfall _____ Waterline Inspection _____ | 23 Rainfall _____ Waterline Inspection _____ | 24 Rainfall _____ Waterline Inspection _____ | 25 Rainfall _____ Waterline Inspection _____ | 26 Rainfall _____ Waterline Inspection _____ | 27 Rainfall _____ Waterline Inspection _____ | 28 Rainfall _____ Waterline Inspection _____ | <ul style="list-style-type: none"> •Lagoon Depth Marker (ft) _____ Date _____ •Manure Storage & Equipment Inspection _____ Notes _____ Date _____ •Water & Runoff Diversion or Containment Devices _____ Notes _____ Date _____ •Maintenance or Repairs _____ Date _____ Notes _____ |
| 29 Rainfall _____ Waterline Inspection _____ | 30 Rainfall _____ Waterline Inspection _____ | 31 Rainfall _____ Waterline Inspection _____ | <div style="border: 2px solid black; border-radius: 50%; padding: 20px; width: fit-content; margin: 0 auto;"> <p>In case of a spill or discharge, take measures to contain the spill and contact NDEQ at 1-402-471-4239 within 24 hours. Written reports of a spill must be completed within 5 days.</p> </div> | | | | <ul style="list-style-type: none"> •Lagoon Depth Marker (ft) _____ Date _____ •Manure Storage & Equipment Inspection _____ Notes _____ Date _____ •Water & Runoff Diversion or Containment Devices _____ Notes _____ Date _____ •Maintenance or Repairs _____ Date _____ Notes _____ |

Manure / Wastewater Applied:

Field ID & Location _____ Acres Applied _____ Date _____

Manure Source _____ Application Method _____

Application Rate _____ Total Applied N _____ Applied P _____

Field ID & Location _____ Acres Applied _____ Date _____

Manure Source _____ Application Method _____

Application Rate _____ Total Applied N _____ Applied P _____

Field ID & Location _____ Acres Applied _____ Date _____

Manure Source _____ Application Method _____

Application Rate _____ Total Applied N _____ Applied P _____

Field ID & Location _____ Acres Applied _____ Date _____

Manure Source _____ Application Method _____

Application Rate _____ Total Applied N _____ Applied P _____

Notes

**Additional information and space for records is provided on the back page.*

Employee Training

At least 1 representative must complete Land Application Training every 5 years.

Training Type _____ Date _____

Employees Trained _____

Trainer and Location _____

Training Type _____ Date _____

Employees Trained _____

Trainer and Location _____

Training Type _____ Date _____

Employees Trained _____

Trainer and Location _____

Training Type _____ Date _____

Employees Trained _____

Trainer and Location _____

Training Type _____ Date _____

Employees Trained _____

Trainer and Location _____

Training Type _____ Date _____

Employees Trained _____

Trainer and Location _____

Annual Reports

For those with NPDES permits, March 1 is the deadline for Annual Reports to be submitted to NDEQ. Reports should include: maximum number of livestock, amount of manure generated, transferred manure, land application area and contact person, discharge summary, development and changes to the nutrient management plan.

The form found at the end of this publication can be used for your annual report.

February 2012

Monthly Inspections

Mortality Management System _____ Date _____
Notes _____

| Sun | Mon | Tue | Wed | Thu | Fri | Sat | Weekly Inspections |
|--|--|--|--|--|--|--|--|
| | | | 1 Rainfall _____ Waterline Inspection _____ | 2 Rainfall _____ Waterline Inspection _____ | 3 Rainfall _____ Waterline Inspection _____ | 4 Rainfall _____ Waterline Inspection _____ | <ul style="list-style-type: none"> •Lagoon Depth Marker (ft) _____ Date _____ •Manure Storage & Equipment Inspection _____ Notes _____ Date _____ •Water & Runoff Diversion or Containment Devices _____ Notes _____ Date _____ •Maintenance or Repairs _____ Date _____ Notes _____ |
| 5 Rainfall _____ Waterline Inspection _____ | 6 Rainfall _____ Waterline Inspection _____ | 7 Rainfall _____ Waterline Inspection _____ | 8 Rainfall _____ Waterline Inspection _____ | 9 Rainfall _____ Waterline Inspection _____ | 10 Rainfall _____ Waterline Inspection _____ | 11 Rainfall _____ Waterline Inspection _____ | <ul style="list-style-type: none"> •Lagoon Depth Marker (ft) _____ Date _____ •Manure Storage & Equipment Inspection _____ Notes _____ Date _____ •Water & Runoff Diversion or Containment Devices _____ Notes _____ Date _____ •Maintenance or Repairs _____ Date _____ Notes _____ |
| 12 Rainfall _____ Waterline Inspection _____ | 13 Rainfall _____ Waterline Inspection _____ | 14 Rainfall _____ Waterline Inspection _____ | 15 Rainfall _____ Waterline Inspection _____ | 16 Rainfall _____ Waterline Inspection _____ | 17 Rainfall _____ Waterline Inspection _____ | 18 Rainfall _____ Waterline Inspection _____ | <ul style="list-style-type: none"> •Lagoon Depth Marker (ft) _____ Date _____ •Manure Storage & Equipment Inspection _____ Notes _____ Date _____ •Water & Runoff Diversion or Containment Devices _____ Notes _____ Date _____ •Maintenance or Repairs _____ Date _____ Notes _____ |
| 19 Rainfall _____ Waterline Inspection _____ | 20 Rainfall _____ Waterline Inspection _____ | 21 Rainfall _____ Waterline Inspection _____ | 22 Rainfall _____ Waterline Inspection _____ | 23 Rainfall _____ Waterline Inspection _____ | 24 Rainfall _____ Waterline Inspection _____ | 25 Rainfall _____ Waterline Inspection _____ | <ul style="list-style-type: none"> •Lagoon Depth Marker (ft) _____ Date _____ •Manure Storage & Equipment Inspection _____ Notes _____ Date _____ •Water & Runoff Diversion or Containment Devices _____ Notes _____ Date _____ •Maintenance or Repairs _____ Date _____ Notes _____ |
| 26 Rainfall _____ Waterline Inspection _____ | 27 Rainfall _____ Waterline Inspection _____ | 28 Rainfall _____ Waterline Inspection _____ | 29 Rainfall _____ Waterline Inspection _____ | <div style="border: 2px solid black; border-radius: 50%; padding: 10px; width: fit-content; margin: 0 auto;"> <p>In case of a spill or discharge, take measures to contain the spill and contact NDEQ at 1-402-471-4239 within 24 hours. Written reports of a spill must be completed within 5 days.</p> </div> | | | <ul style="list-style-type: none"> •Lagoon Depth Marker (ft) _____ Date _____ •Manure Storage & Equipment Inspection _____ Notes _____ Date _____ •Water & Runoff Diversion or Containment Devices _____ Notes _____ Date _____ •Maintenance or Repairs _____ Date _____ Notes _____ |

Manure / Wastewater Applied:

Field ID & Location _____ Acres Applied _____ Date _____

Manure Source _____ Application Method _____

Application Rate _____ Total Applied N _____ Applied P _____

Field ID & Location _____ Acres Applied _____ Date _____

Manure Source _____ Application Method _____

Application Rate _____ Total Applied N _____ Applied P _____

Field ID & Location _____ Acres Applied _____ Date _____

Manure Source _____ Application Method _____

Application Rate _____ Total Applied N _____ Applied P _____

Field ID & Location _____ Acres Applied _____ Date _____

Manure Source _____ Application Method _____

Application Rate _____ Total Applied N _____ Applied P _____

Employee Training

At least 1 representative must complete Land Application Training every 5 years.

Training Type _____ Date _____

Employees Trained _____

Trainer and Location _____

Training Type _____ Date _____

Employees Trained _____

Trainer and Location _____

Training Type _____ Date _____

Employees Trained _____

Trainer and Location _____

Mortality Composting

Mortality composting is regulated by the Nebraska Department of Agriculture. Any animals suspected of dying from a contagious disease, such as chronic wasting disease, must be inspected by a veterinarian before disposal. An internal pile temperature of 130° F for 3 days is needed to destroy disease-causing organisms.

Manure Sold or Given Away

(An information sheet containing your operation name and address along with a written statement that manure / wastewater must not enter waters of the state and the nutrient analysis must be provided to the recipient.)

Manure volume/weight _____ Date _____

Recipient Name and Address _____

Manure volume/weight _____ Date _____

Recipient Name and Address _____

Manure volume/weight _____ Date _____

Recipient Name and Address _____

Notes

**Additional information and space for records is provided on the back page.*

March 2012

Monthly Inspections

Mortality Management System _____ Date _____
Notes _____

Sun Mon Tue Wed Thu Fri Sat

Weekly Inspections

In case of a spill or discharge, take measures to contain the spill and contact NDEQ at 1-402-471-4239 within 24 hours. Written reports of a spill must be completed within 5 days.

Annual Report Due →

1

Rainfall _____
Waterline Inspection _____

2

Rainfall _____
Waterline Inspection _____

3

Rainfall _____
Waterline Inspection _____

•Lagoon Depth Marker (ft) _____ Date _____
•Manure Storage & Equipment Inspection _____
Notes _____ Date _____
•Water & Runoff Diversion or Containment Devices _____
Notes _____ Date _____
•Maintenance or Repairs _____ Date _____
Notes _____

4

Rainfall _____
Waterline Inspection _____

5

Rainfall _____
Waterline Inspection _____

6

Rainfall _____
Waterline Inspection _____

7

Rainfall _____
Waterline Inspection _____

8

Rainfall _____
Waterline Inspection _____

9

Rainfall _____
Waterline Inspection _____

10

Rainfall _____
Waterline Inspection _____

•Lagoon Depth Marker (ft) _____ Date _____
•Manure Storage & Equipment Inspection _____
Notes _____ Date _____
•Water & Runoff Diversion or Containment Devices _____
Notes _____ Date _____
•Maintenance or Repairs _____ Date _____
Notes _____

11

Rainfall _____
Waterline Inspection _____

12

Rainfall _____
Waterline Inspection _____

13

Rainfall _____
Waterline Inspection _____

14

Rainfall _____
Waterline Inspection _____

15

Rainfall _____
Waterline Inspection _____

16

Rainfall _____
Waterline Inspection _____

17

Rainfall _____
Waterline Inspection _____

•Lagoon Depth Marker (ft) _____ Date _____
•Manure Storage & Equipment Inspection _____
Notes _____ Date _____
•Water & Runoff Diversion or Containment Devices _____
Notes _____ Date _____
•Maintenance or Repairs _____ Date _____
Notes _____

18

Rainfall _____
Waterline Inspection _____

19

Rainfall _____
Waterline Inspection _____

20

Rainfall _____
Waterline Inspection _____

21

Rainfall _____
Waterline Inspection _____

22

Rainfall _____
Waterline Inspection _____

23

Rainfall _____
Waterline Inspection _____

24

Rainfall _____
Waterline Inspection _____

•Lagoon Depth Marker (ft) _____ Date _____
•Manure Storage & Equipment Inspection _____
Notes _____ Date _____
•Water & Runoff Diversion or Containment Devices _____
Notes _____ Date _____
•Maintenance or Repairs _____ Date _____
Notes _____

25

Rainfall _____
Waterline Inspection _____

26

Rainfall _____
Waterline Inspection _____

27

Rainfall _____
Waterline Inspection _____

28

Rainfall _____
Waterline Inspection _____

29

Rainfall _____
Waterline Inspection _____

30

Rainfall _____
Waterline Inspection _____

31

Rainfall _____
Waterline Inspection _____

•Lagoon Depth Marker (ft) _____ Date _____
•Manure Storage & Equipment Inspection _____
Notes _____ Date _____
•Water & Runoff Diversion or Containment Devices _____
Notes _____ Date _____
•Maintenance or Repairs _____ Date _____
Notes _____

Manure / Wastewater Applied:

Field ID & Location _____ Acres Applied _____ Date _____
 Manure Source _____ Application Method _____
 Application Rate _____ Total Applied N _____ Applied P _____

Field ID & Location _____ Acres Applied _____ Date _____
 Manure Source _____ Application Method _____
 Application Rate _____ Total Applied N _____ Applied P _____

Field ID & Location _____ Acres Applied _____ Date _____
 Manure Source _____ Application Method _____
 Application Rate _____ Total Applied N _____ Applied P _____

Field ID & Location _____ Acres Applied _____ Date _____
 Manure Source _____ Application Method _____
 Application Rate _____ Total Applied N _____ Applied P _____

The Phosphorus Index

In order to determine the risk of phosphorus runoff, the phosphorus index (P-Index) needs to be assessed at least every 5 years for all fields identified by a CAFO as available and used for manure application. If a field is highly variable, the field can be divided into sub-fields and the P-index can be assessed for each sub-field.

Soil Sampling

| Field ID and Location | Sample Depth | Date of Collection | Field ID and Location | Sample Depth | Date of Collection |
|-----------------------|--------------|--------------------|-----------------------|--------------|--------------------|
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |

P-Index Ratings

Low (0-2). N-based rate.

Medium (2-5). N-based rate as long as P-Index will not increase. otherwise, P-based rate.

High (5-15). P-based rate as long as practices are adopted to reduce the P-index rating to medium during the next five years.

Very high (>15). No manure.

Manure Sold or Given Away

(An information sheet containing your operation name and address along with a written statement that manure / wastewater must not enter waters of the state and the nutrient analysis must be provided to the recipient.)

Manure volume/weight _____ Date _____
 Recipient Name and Address _____

Manure volume/weight _____ Date _____
 Recipient Name and Address _____

Manure volume/weight _____ Date _____
 Recipient Name and Address _____

Manure volume/weight _____ Date _____
 Recipient Name and Address _____

Notes

_____ **Additional information and space for records is provided on the back page.* _____

April 2012

Monthly Inspections

Mortality Management System _____ Date _____
Notes _____

| Sun | Mon | Tue | Wed | Thu | Fri | Sat | Weekly Inspections | |
|--|--|---|--|--|--|--|--|--|
| <p>1</p> <p>Rainfall _____ Waterline Inspection _____</p> | <p>2</p> <p>Rainfall _____ Waterline Inspection _____</p> | <p>3</p> <p>Rainfall _____ Waterline Inspection _____</p> | <p>4</p> <p>Rainfall _____ Waterline Inspection _____</p> | <p>5</p> <p>Rainfall _____ Waterline Inspection _____</p> | <p>6</p> <p>Rainfall _____ Waterline Inspection _____</p> | <p>7</p> <p>Rainfall _____ Waterline Inspection _____</p> | <ul style="list-style-type: none"> •Lagoon Depth Marker (ft) _____ Date _____ •Manure Storage & Equipment Inspection _____ Notes _____ Date _____ •Water & Runoff Diversion or Containment Devices _____ Notes _____ Date _____ •Maintenance or Repairs _____ Date _____ Notes _____ | |
| <p>8</p> <p>Rainfall _____ Waterline Inspection _____</p> | <p>9</p> <p>Rainfall _____ Waterline Inspection _____</p> | <p>10</p> <p>Rainfall _____ Waterline Inspection _____</p> | <p>11</p> <p>Rainfall _____ Waterline Inspection _____</p> | <p>12</p> <p>Rainfall _____ Waterline Inspection _____</p> | <p>13</p> <p>Rainfall _____ Waterline Inspection _____</p> | <p>14</p> <p>Rainfall _____ Waterline Inspection _____</p> | <ul style="list-style-type: none"> •Lagoon Depth Marker (ft) _____ Date _____ •Manure Storage & Equipment Inspection _____ Notes _____ Date _____ •Water & Runoff Diversion or Containment Devices _____ Notes _____ Date _____ •Maintenance or Repairs _____ Date _____ Notes _____ | |
| <p>15</p> <p>Rainfall _____ Waterline Inspection _____</p> | <p>16</p> <p>Rainfall _____ Waterline Inspection _____</p> | <p>17</p> <p>Rainfall _____ Waterline Inspection _____</p> | <p>18</p> <p>Rainfall _____ Waterline Inspection _____</p> | <p>19</p> <p>Rainfall _____ Waterline Inspection _____</p> | <p>20</p> <p>Rainfall _____ Waterline Inspection _____</p> | <p>21</p> <p>Rainfall _____ Waterline Inspection _____</p> | <ul style="list-style-type: none"> •Lagoon Depth Marker (ft) _____ Date _____ •Manure Storage & Equipment Inspection _____ Notes _____ Date _____ •Water & Runoff Diversion or Containment Devices _____ Notes _____ Date _____ •Maintenance or Repairs _____ Date _____ Notes _____ | |
| <p>22</p> <p>Rainfall _____ Waterline Inspection _____</p> | <p>23</p> <p>Rainfall _____ Waterline Inspection _____</p> | <p>24</p> <p>Rainfall _____ Waterline Inspection _____</p> | <p>25</p> <p>Rainfall _____ Waterline Inspection _____</p> | <p>26</p> <p>Rainfall _____ Waterline Inspection _____</p> | <p>27</p> <p>Rainfall _____ Waterline Inspection _____</p> | <p>28</p> <p>Rainfall _____ Waterline Inspection _____</p> | <ul style="list-style-type: none"> •Lagoon Depth Marker (ft) _____ Date _____ •Manure Storage & Equipment Inspection _____ Notes _____ Date _____ •Water & Runoff Diversion or Containment Devices _____ Notes _____ Date _____ •Maintenance or Repairs _____ Date _____ Notes _____ | |
| <p>29</p> <p>Rainfall _____ Waterline Inspection _____</p> | <p>30</p> <p>Rainfall _____ Waterline Inspection _____</p> | <p>In case of a spill or discharge, take measures to contain the spill and contact NDEQ at 1-402-471-4239 within 24 hours. Written reports of a spill must be completed within 5 days.</p> | | | | | | <ul style="list-style-type: none"> •Lagoon Depth Marker (ft) _____ Date _____ •Manure Storage & Equipment Inspection _____ Notes _____ Date _____ •Water & Runoff Diversion or Containment Devices _____ Notes _____ Date _____ •Maintenance or Repairs _____ Date _____ Notes _____ |

Manure / Wastewater Applied:

Field ID & Location _____ Acres Applied _____ Date _____
 Manure Source _____ Application Method _____
 Application Rate _____ Total Applied N _____ Applied P _____

Field ID & Location _____ Acres Applied _____ Date _____
 Manure Source _____ Application Method _____
 Application Rate _____ Total Applied N _____ Applied P _____

Field ID & Location _____ Acres Applied _____ Date _____
 Manure Source _____ Application Method _____
 Application Rate _____ Total Applied N _____ Applied P _____

Field ID & Location _____ Acres Applied _____ Date _____
 Manure Source _____ Application Method _____
 Application Rate _____ Total Applied N _____ Applied P _____

**In case of a spill or discharge,
 take measures to contain the spill and
 contact NDEQ at 1-402-471-4239 within 24 hours.
 Written reports of a spill must be
 completed within 5 days.**

Manure Sold or Given Away

(An information sheet containing your operation name and address along with a written statement that manure / wastewater must not enter waters of the state and the nutrient analysis must be provided to the recipient.)

Manure volume/weight _____ Date _____
 Recipient Name and Address _____

Manure volume/weight _____ Date _____
 Recipient Name and Address _____

Manure volume/weight _____ Date _____
 Recipient Name and Address _____

Manure volume/weight _____ Date _____
 Recipient Name and Address _____

Manure volume/weight _____ Date _____
 Recipient Name and Address _____

Sampling Anaerobic Lagoons

If anaerobic lagoons are pumped from near the surface, a representative manure sample can be obtained by taking several surface samples with a small container attached to a 10-foot pole. Floating solids should be avoided so as to provide the most accurate sample.

| Manure/Wastewater Sampling | | |
|----------------------------|--------------|--------------------|
| Sampling Location | Sample Depth | Date of Collection |
| | | |
| | | |
| | | |
| | | |
| | | |


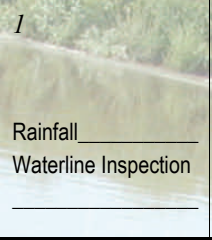
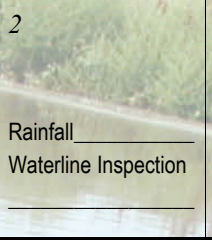
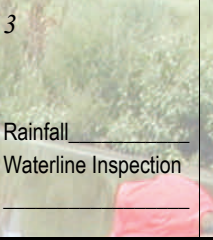
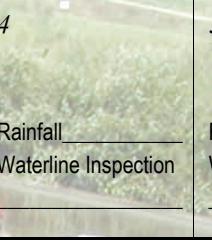
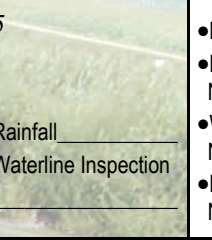
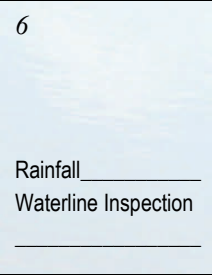
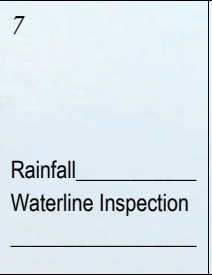
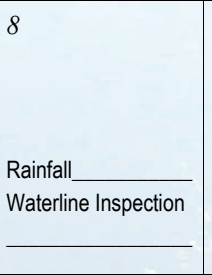
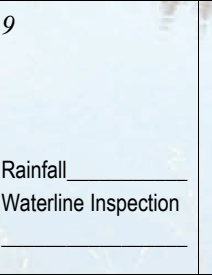
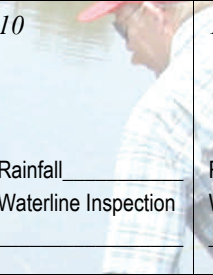
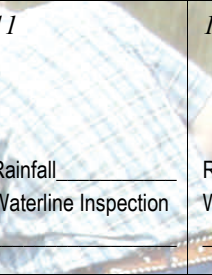


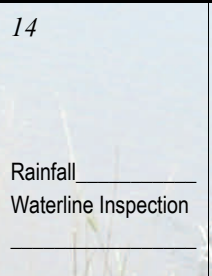








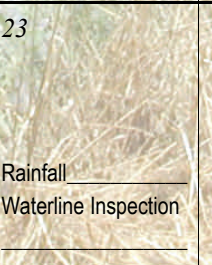

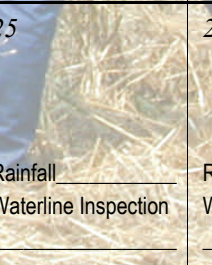





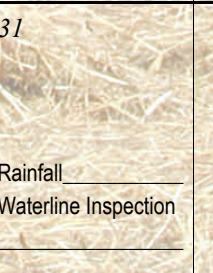
Notes _____

**Additional information and space for records is provided on the back page.*

May 2012

Monthly Inspections

Mortality Management System _____ Date _____
Notes _____

| Sun | Mon | Tue | Wed | Thu | Fri | Sat | Weekly Inspections |
|--|---|---|---|--|---|---|--|
|  | | 1  Rainfall _____ Waterline Inspection _____ | 2  Rainfall _____ Waterline Inspection _____ | 3  Rainfall _____ Waterline Inspection _____ | 4  Rainfall _____ Waterline Inspection _____ | 5  Rainfall _____ Waterline Inspection _____ | <ul style="list-style-type: none"> •Lagoon Depth Marker (ft) _____ Date _____ •Manure Storage & Equipment Inspection _____ Notes _____ Date _____ •Water & Runoff Diversion or Containment Devices _____ Notes _____ Date _____ •Maintenance or Repairs _____ Date _____ Notes _____ |
| 6  Rainfall _____ Waterline Inspection _____ | 7  Rainfall _____ Waterline Inspection _____ | 8  Rainfall _____ Waterline Inspection _____ | 9  Rainfall _____ Waterline Inspection _____ | 10  Rainfall _____ Waterline Inspection _____ | 11  Rainfall _____ Waterline Inspection _____ | 12  Rainfall _____ Waterline Inspection _____ | <ul style="list-style-type: none"> •Lagoon Depth Marker (ft) _____ Date _____ •Manure Storage & Equipment Inspection _____ Notes _____ Date _____ •Water & Runoff Diversion or Containment Devices _____ Notes _____ Date _____ •Maintenance or Repairs _____ Date _____ Notes _____ |
| 13  Rainfall _____ Waterline Inspection _____ | 14  Rainfall _____ Waterline Inspection _____ | 15  Rainfall _____ Waterline Inspection _____ | 16  Rainfall _____ Waterline Inspection _____ | 17  Rainfall _____ Waterline Inspection _____ | 18  Rainfall _____ Waterline Inspection _____ | 19  Rainfall _____ Waterline Inspection _____ | <ul style="list-style-type: none"> •Lagoon Depth Marker (ft) _____ Date _____ •Manure Storage & Equipment Inspection _____ Notes _____ Date _____ •Water & Runoff Diversion or Containment Devices _____ Notes _____ Date _____ •Maintenance or Repairs _____ Date _____ Notes _____ |
| 20  Rainfall _____ Waterline Inspection _____ | 21  Rainfall _____ Waterline Inspection _____ | 22  Rainfall _____ Waterline Inspection _____ | 23  Rainfall _____ Waterline Inspection _____ | 24  Rainfall _____ Waterline Inspection _____ | 25  Rainfall _____ Waterline Inspection _____ | 26  Rainfall _____ Waterline Inspection _____ | <ul style="list-style-type: none"> •Lagoon Depth Marker (ft) _____ Date _____ •Manure Storage & Equipment Inspection _____ Notes _____ Date _____ •Water & Runoff Diversion or Containment Devices _____ Notes _____ Date _____ •Maintenance or Repairs _____ Date _____ Notes _____ |
| 27  Rainfall _____ Waterline Inspection _____ | 28  Rainfall _____ Waterline Inspection _____ | 29  Rainfall _____ Waterline Inspection _____ | 30  Rainfall _____ Waterline Inspection _____ | 31  Rainfall _____ Waterline Inspection _____ | | | <ul style="list-style-type: none"> •Lagoon Depth Marker (ft) _____ Date _____ •Manure Storage & Equipment Inspection _____ Notes _____ Date _____ •Water & Runoff Diversion or Containment Devices _____ Notes _____ Date _____ •Maintenance or Repairs _____ Date _____ Notes _____ |

Manure / Wastewater Applied:

Field ID & Location _____ Acres Applied _____ Date _____
 Manure Source _____ Application Method _____
 Application Rate _____ Total Applied N _____ Applied P _____

Field ID & Location _____ Acres Applied _____ Date _____
 Manure Source _____ Application Method _____
 Application Rate _____ Total Applied N _____ Applied P _____

Field ID & Location _____ Acres Applied _____ Date _____
 Manure Source _____ Application Method _____
 Application Rate _____ Total Applied N _____ Applied P _____

Field ID & Location _____ Acres Applied _____ Date _____
 Manure Source _____ Application Method _____
 Application Rate _____ Total Applied N _____ Applied P _____

Notes _____

**Additional information and
 space for records is provided
 on the back page.*

Crops Harvested—Nutrients Removed

| Date | Field ID and Location | Crop Type | Yield | Acreage | N Removed | P Removed |
|------|-----------------------|-----------|-------|---------|-----------|-----------|
| | | | | | | |
| | | | | | | |
| | | | | | | |

Crop Nutrient Needs—Estimates for Next Year

| Date | Field ID and Location | Crop Type | Yield | Acreage | N Required | P Required |
|------|-----------------------|-----------|-------|---------|------------|------------|
| | | | | | | |
| | | | | | | |
| | | | | | | |

Manure Sold or Given Away

(An information sheet containing your operation name and address along with a written statement that manure / wastewater must not enter waters of the state and the nutrient analysis must be provided to the recipient.)

Manure volume/weight _____ Date _____
 Recipient Name and Address _____

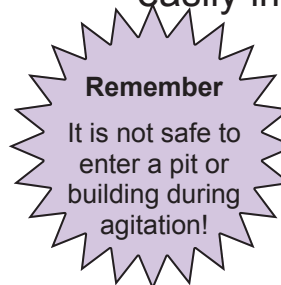
Manure volume/weight _____ Date _____
 Recipient Name and Address _____

Manure volume/weight _____ Date _____
 Recipient Name and Address _____

Manure volume/weight _____ Date _____
 Recipient Name and Address _____

Under-barn pits

Just because under-barn pits are not exposed to precipitation does not mean they are exempt from records. Depth level records are required for all under-barn pits. When manure sampling under-barn or storage pits, make sure the sample is from the complete depth, not just the top. This is done more easily immediately after agitation.



Manure / Wastewater Applied:

Field ID & Location _____ Acres Applied _____ Date _____
 Manure Source _____ Application Method _____
 Application Rate _____ Total Applied N _____ Applied P _____

Field ID & Location _____ Acres Applied _____ Date _____
 Manure Source _____ Application Method _____
 Application Rate _____ Total Applied N _____ Applied P _____

Field ID & Location _____ Acres Applied _____ Date _____
 Manure Source _____ Application Method _____
 Application Rate _____ Total Applied N _____ Applied P _____

Field ID & Location _____ Acres Applied _____ Date _____
 Manure Source _____ Application Method _____
 Application Rate _____ Total Applied N _____ Applied P _____

Manure Sold or Given Away

(An information sheet containing your operation name and address along with a written statement that manure / wastewater must not enter waters of the state and the nutrient analysis must be provided to the recipient.)

Manure volume/weight _____ Date _____
 Recipient Name and Address _____

Manure volume/weight _____ Date _____
 Recipient Name and Address _____

Manure volume/weight _____ Date _____
 Recipient Name and Address _____

Manure volume/weight _____ Date _____
 Recipient Name and Address _____

Manure volume/weight _____ Date _____
 Recipient Name and Address _____

Manure Application Equipment

All maintenance of manure application equipment (center pivots, spreaders, etc.) must be recorded.

| Crops Harvested—Nutrients Removed | | | | | | |
|-----------------------------------|-----------------------|-----------|-------|---------|-----------|-----------|
| Date | Field ID and Location | Crop Type | Yield | Acreage | N Removed | P Removed |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |

| Crop Nutrient Needs—Estimates for Next Year | | | | | | |
|---|-----------------------|-----------|-------|---------|------------|------------|
| Date | Field ID and Location | Crop Type | Yield | Acreage | N Required | P Required |
| | | | | | | |
| | | | | | | |
| | | | | | | |

| Manure Application Equipment Maintenance | | |
|--|-----------|------------------|
| Date | Equipment | Maintenance Done |
| | | |
| | | |
| | | |

Notes _____

**Additional information and space for records is provided on the back page.*

July 2012

Monthly Inspections

Mortality Management System _____ Date _____
Notes _____

| Sun | Mon | Tue | Wed | Thu | Fri | Sat | Weekly Inspections | |
|--|--|--|--|--|--|--|--|--|
| 1 Rainfall _____ Waterline Inspection _____ | 2 Rainfall _____ Waterline Inspection _____ | 3 Rainfall _____ Waterline Inspection _____ | 4 Rainfall _____ Waterline Inspection _____ | 5 Rainfall _____ Waterline Inspection _____ | 6 Rainfall _____ Waterline Inspection _____ | 7 Rainfall _____ Waterline Inspection _____ | <ul style="list-style-type: none"> •Lagoon Depth Marker (ft) _____ Date _____ •Manure Storage & Equipment Inspection _____ Notes _____ Date _____ •Water & Runoff Diversion or Containment Devices _____ Notes _____ Date _____ •Maintenance or Repairs _____ Date _____ Notes _____ | |
| 8 Rainfall _____ Waterline Inspection _____ | 9 Rainfall _____ Waterline Inspection _____ | 10 Rainfall _____ Waterline Inspection _____ | 11 Rainfall _____ Waterline Inspection _____ | 12 Rainfall _____ Waterline Inspection _____ | 13 Rainfall _____ Waterline Inspection _____ | 14 Rainfall _____ Waterline Inspection _____ | <ul style="list-style-type: none"> •Lagoon Depth Marker (ft) _____ Date _____ •Manure Storage & Equipment Inspection _____ Notes _____ Date _____ •Water & Runoff Diversion or Containment Devices _____ Notes _____ Date _____ •Maintenance or Repairs _____ Date _____ Notes _____ | |
| 15 Rainfall _____ Waterline Inspection _____ | 16 Rainfall _____ Waterline Inspection _____ | 17 Rainfall _____ Waterline Inspection _____ | 18 Rainfall _____ Waterline Inspection _____ | 19 Rainfall _____ Waterline Inspection _____ | 20 Rainfall _____ Waterline Inspection _____ | 21 Rainfall _____ Waterline Inspection _____ | <ul style="list-style-type: none"> •Lagoon Depth Marker (ft) _____ Date _____ •Manure Storage & Equipment Inspection _____ Notes _____ Date _____ •Water & Runoff Diversion or Containment Devices _____ Notes _____ Date _____ •Maintenance or Repairs _____ Date _____ Notes _____ | |
| 22 Rainfall _____ Waterline Inspection _____ | 23 Rainfall _____ Waterline Inspection _____ | 24 Rainfall _____ Waterline Inspection _____ | 25 Rainfall _____ Waterline Inspection _____ | 26 Rainfall _____ Waterline Inspection _____ | 27 Rainfall _____ Waterline Inspection _____ | 28 Rainfall _____ Waterline Inspection _____ | <ul style="list-style-type: none"> •Lagoon Depth Marker (ft) _____ Date _____ •Manure Storage & Equipment Inspection _____ Notes _____ Date _____ •Water & Runoff Diversion or Containment Devices _____ Notes _____ Date _____ •Maintenance or Repairs _____ Date _____ Notes _____ | |
| 29 Rainfall _____ Waterline Inspection _____ | 30 Rainfall _____ Waterline Inspection _____ | 31 Rainfall _____ Waterline Inspection _____ | <div style="border: 2px solid black; border-radius: 50%; padding: 20px; width: fit-content; margin: 0 auto;"> <p>In case of a spill or discharge, take measures to contain the spill and contact NDEQ at 1-402-471-4239 within 24 hours. Written reports of a spill must be completed within 5 days.</p> </div> | | | | | <ul style="list-style-type: none"> •Lagoon Depth Marker (ft) _____ Date _____ •Manure Storage & Equipment Inspection _____ Notes _____ Date _____ •Water & Runoff Diversion or Containment Devices _____ Notes _____ Date _____ •Maintenance or Repairs _____ Date _____ Notes _____ |

Manure Sold or Given Away

(An information sheet containing your operation name and address along with a written statement that manure / wastewater must not enter waters of the state and the nutrient analysis must be provided to the recipient.)

Manure volume/weight _____ Date _____

Recipient Name and Address _____

Manure volume/weight _____ Date _____

Recipient Name and Address _____

Manure volume/weight _____ Date _____

Recipient Name and Address _____

Manure / Wastewater Applied:

Field ID & Location _____ Acres Applied _____ Date _____

Manure Source _____ Application Method _____

Application Rate _____ Total Applied N _____ Applied P _____

Field ID & Location _____ Acres Applied _____ Date _____

Manure Source _____ Application Method _____

Application Rate _____ Total Applied N _____ Applied P _____

Field ID & Location _____ Acres Applied _____ Date _____

Manure Source _____ Application Method _____

Application Rate _____ Total Applied N _____ Applied P _____

Field ID & Location _____ Acres Applied _____ Date _____

Manure Source _____ Application Method _____

Application Rate _____ Total Applied N _____ Applied P _____

Sprinkler Application of Manure

Fifty (50) percent of ammonium nitrogen is assumed lost through sprinkler application of manure. The nitrogen in lagoon and holding pond effluent is usually 60 to 90 percent ammonium nitrogen.

Crops Harvested—Nutrients Removed

| Date | Field ID and Location | Crop Type | Yield | Acreage | N Removed | P Removed |
|------|-----------------------|-----------|-------|---------|-----------|-----------|
| | | | | | | |
| | | | | | | |

Crop Nutrient Needs—Estimates for Next Year

| Date | Field ID and Location | Crop Type | Yield | Acreage | N Required | P Required |
|------|-----------------------|-----------|-------|---------|------------|------------|
| | | | | | | |
| | | | | | | |

Ammonia Remaining

| | Incorporated | | | | |
|-------------------------------|--------------|-------------|--------------|--------------|----------------|
| | Right away | 1 day later | 2 days later | 3 days later | > 7 days later |
| Solid | 0.95 | 0.50 | 0.25 | 0.15 | 0 |
| Liquid/Slurry (Air temp ≤ 50) | 0.95 | 0.70 | 0.55 | 0.45 | 0.40 |
| Liquid/Slurry (Air temp > 50) | 0.95 | 0.70 | 0.50 | 0.25 | 0 |

Notes

**Additional information and space for records is provided on the back page.*

Manure / Wastewater Applied:

Field ID & Location _____ Acres Applied _____ Date _____
 Manure Source _____ Application Method _____
 Application Rate _____ Total Applied N _____ Applied P _____

Field ID & Location _____ Acres Applied _____ Date _____
 Manure Source _____ Application Method _____
 Application Rate _____ Total Applied N _____ Applied P _____

Field ID & Location _____ Acres Applied _____ Date _____
 Manure Source _____ Application Method _____
 Application Rate _____ Total Applied N _____ Applied P _____

Field ID & Location _____ Acres Applied _____ Date _____
 Manure Source _____ Application Method _____
 Application Rate _____ Total Applied N _____ Applied P _____

Notes _____

**Additional information and
 space for records is provided
 on the back page.*

Crops Harvested—Nutrients Removed

| Date | Field ID and Location | Crop Type | Yield | Acreage | N Removed | P Removed |
|------|-----------------------|-----------|-------|---------|-----------|-----------|
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |

Crop Nutrient Needs—Estimates for Next Year

| Date | Field ID and Location | Crop Type | Yield | Acreage | N Required | P Required |
|------|-----------------------|-----------|-------|---------|------------|------------|
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |

Manure Spreader Calibration

| Date | Equipment Type | Manure Source | Calibration Method | Calculated amount of Manure Applied per acre |
|------|----------------|---------------|--------------------|--|
| | | | | |
| | | | | |
| | | | | |
| | | | | |

Setbacks

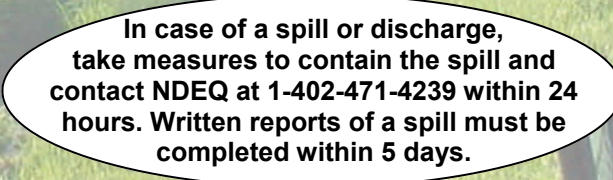
For all land in a CAFO’s nutrient management plan, manure application requires a 100 foot annual crop setback from: surface waters, open tile intakes, sinkholes, and well heads. Alternatively, a setback of 35 feet of perennial grass is required.

Fields with setbacks

| Field ID and Location | Areas of setback |
|-----------------------|------------------|
| | |
| | |
| | |
| | |
| | |
| | |

September 2012

Monthly Inspections
 Mortality Management System _____ Date _____
 Notes _____

| Sun | Mon | Tue | Wed | Thu | Fri | Sat | Weekly Inspections |
|--|--|--|--|--|--|--|--|
| | | | | | | 1 Rainfall _____ Waterline Inspection _____ | <ul style="list-style-type: none"> •Lagoon Depth Marker (ft) _____ Date _____ •Manure Storage & Equipment Inspection _____ Notes _____ Date _____ •Water & Runoff Diversion or Containment Devices _____ Notes _____ Date _____ •Maintenance or Repairs _____ Date _____ Notes _____ |
| 2 Rainfall _____ Waterline Inspection _____ | 3 Rainfall _____ Waterline Inspection _____ | 4 Rainfall _____ Waterline Inspection _____ | 5 Rainfall _____ Waterline Inspection _____ | 6 Rainfall _____ Waterline Inspection _____ | 7 Rainfall _____ Waterline Inspection _____ | 8 Rainfall _____ Waterline Inspection _____ | <ul style="list-style-type: none"> •Lagoon Depth Marker (ft) _____ Date _____ •Manure Storage & Equipment Inspection _____ Notes _____ Date _____ •Water & Runoff Diversion or Containment Devices _____ Notes _____ Date _____ •Maintenance or Repairs _____ Date _____ Notes _____ |
| 9 Rainfall _____ Waterline Inspection _____ | 10 Rainfall _____ Waterline Inspection _____ | 11 Rainfall _____ Waterline Inspection _____ | 12 Rainfall _____ Waterline Inspection _____ | 13 Rainfall _____ Waterline Inspection _____ | 14 Rainfall _____ Waterline Inspection _____ | 15 Rainfall _____ Waterline Inspection _____ | <ul style="list-style-type: none"> •Lagoon Depth Marker (ft) _____ Date _____ •Manure Storage & Equipment Inspection _____ Notes _____ Date _____ •Water & Runoff Diversion or Containment Devices _____ Notes _____ Date _____ •Maintenance or Repairs _____ Date _____ Notes _____ |
| 16 Rainfall _____ Waterline Inspection _____ | 17 Rainfall _____ Waterline Inspection _____ | 18 Rainfall _____ Waterline Inspection _____ | 19 Rainfall _____ Waterline Inspection _____ | 20 Rainfall _____ Waterline Inspection _____ | 21 Rainfall _____ Waterline Inspection _____ | 22 Rainfall _____ Waterline Inspection _____ | <ul style="list-style-type: none"> •Lagoon Depth Marker (ft) _____ Date _____ •Manure Storage & Equipment Inspection _____ Notes _____ Date _____ •Water & Runoff Diversion or Containment Devices _____ Notes _____ Date _____ •Maintenance or Repairs _____ Date _____ Notes _____ |
| 23 Rainfall _____ Waterline Inspection _____ | 24 Rainfall _____ Waterline Inspection _____ | 25 Rainfall _____ Waterline Inspection _____ | 26 Rainfall _____ Waterline Inspection _____ | 27 Rainfall _____ Waterline Inspection _____ | 28 Rainfall _____ Waterline Inspection _____ | 29 Rainfall _____ Waterline Inspection _____ | <ul style="list-style-type: none"> •Lagoon Depth Marker (ft) _____ Date _____ •Manure Storage & Equipment Inspection _____ Notes _____ Date _____ •Water & Runoff Diversion or Containment Devices _____ Notes _____ Date _____ •Maintenance or Repairs _____ Date _____ Notes _____ |
| 30 Rainfall _____ Waterline Inspection _____ |  <p>In case of a spill or discharge, take measures to contain the spill and contact NDEQ at 1-402-471-4239 within 24 hours. Written reports of a spill must be completed within 5 days.</p> | | | | | | |

Manure / Wastewater Applied:

Field ID & Location _____ Acres Applied _____ Date _____
 Manure Source _____ Application Method _____
 Application Rate _____ Total Applied N _____ Applied P _____

Field ID & Location _____ Acres Applied _____ Date _____
 Manure Source _____ Application Method _____
 Application Rate _____ Total Applied N _____ Applied P _____

Field ID & Location _____ Acres Applied _____ Date _____
 Manure Source _____ Application Method _____
 Application Rate _____ Total Applied N _____ Applied P _____

Field ID & Location _____ Acres Applied _____ Date _____
 Manure Source _____ Application Method _____
 Application Rate _____ Total Applied N _____ Applied P _____

Field ID & Location _____ Acres Applied _____ Date _____
 Manure Source _____ Application Method _____
 Application Rate _____ Total Applied N _____ Applied P _____

Field ID & Location _____ Acres Applied _____ Date _____
 Manure Source _____ Application Method _____
 Application Rate _____ Total Applied N _____ Applied P _____

Field ID & Location _____ Acres Applied _____ Date _____
 Manure Source _____ Application Method _____
 Application Rate _____ Total Applied N _____ Applied P _____

Soil Sampling

| Field ID and Location | Sample Depth | Date of Collection | Field ID and Location | Sample Depth | Date of Collection |
|-----------------------|--------------|--------------------|-----------------------|--------------|--------------------|
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |

Crops Harvested—Nutrients Removed

| Date | Field ID and Location | Crop Type | Yield | Acreage | N Removed | P Removed |
|------|-----------------------|-----------|-------|---------|-----------|-----------|
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |

Crop Nutrient Needs—Estimates for Next Year

| Date | Field ID and Location | Crop Type | Yield | Acreage | N Required | P Required |
|------|-----------------------|-----------|-------|---------|------------|------------|
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |

What goes in, must come out

Fine tuning rations to animal nutrient needs can maximize performance without excessive excretion of nutrients.

Notes


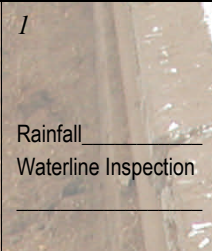
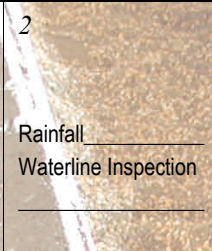
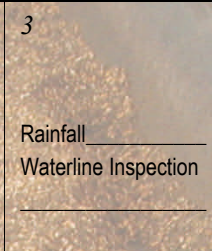
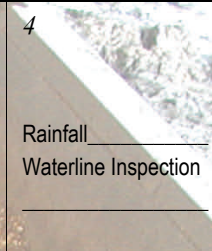
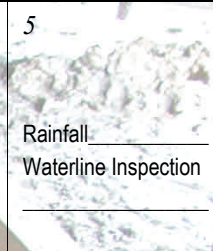
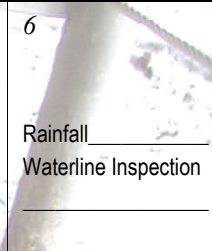
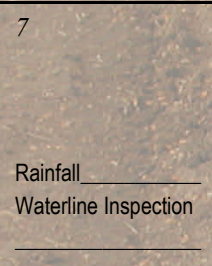


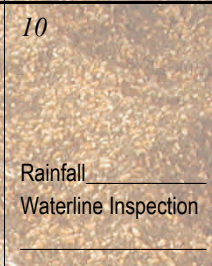

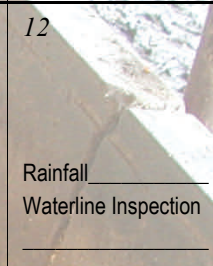
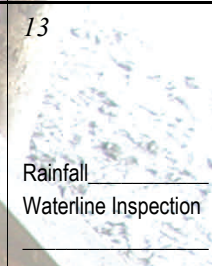
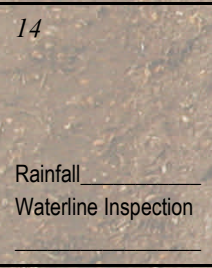
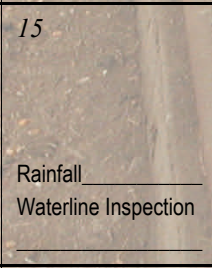

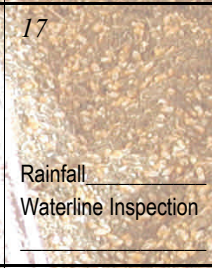
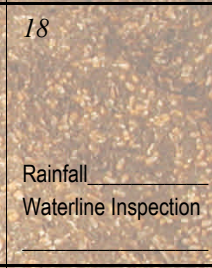
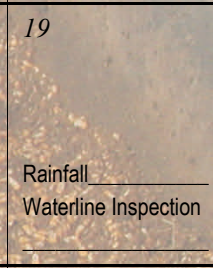
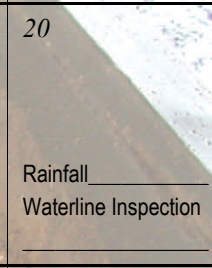


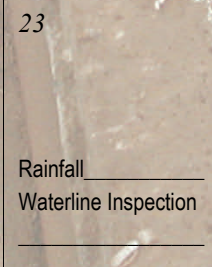
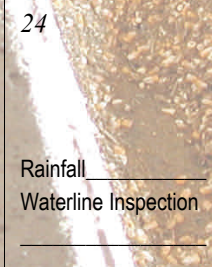
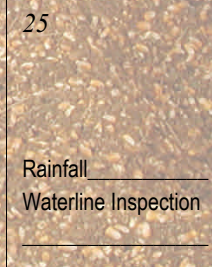
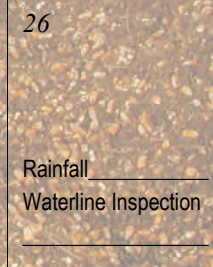
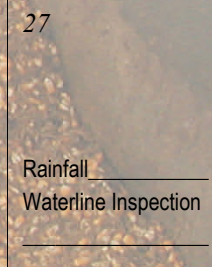
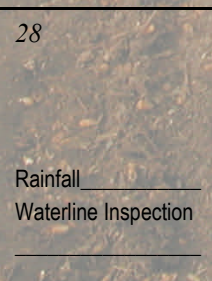

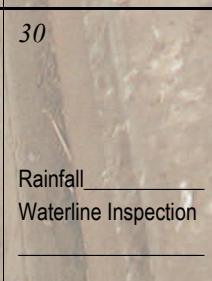
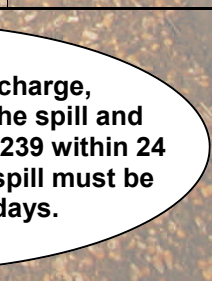
_____ **Additional information and space for records is provided on the back page.* _____

October 2012

Monthly Inspections

Mortality Management System _____ Date _____

Notes _____

| Sun | Mon | Tue | Wed | Thu | Fri | Sat | Weekly Inspections |
|--|---|---|--|--|---|---|--|
|  1 Rainfall _____ Waterline Inspection _____ |  2 Rainfall _____ Waterline Inspection _____ |  3 Rainfall _____ Waterline Inspection _____ |  4 Rainfall _____ Waterline Inspection _____ |  5 Rainfall _____ Waterline Inspection _____ |  6 Rainfall _____ Waterline Inspection _____ |  7 Rainfall _____ Waterline Inspection _____ | <ul style="list-style-type: none"> •Lagoon Depth Marker (ft) _____ Date _____ •Manure Storage & Equipment Inspection _____ Notes _____ Date _____ •Water & Runoff Diversion or Containment Devices _____ Notes _____ Date _____ •Maintenance or Repairs _____ Date _____ Notes _____ |
|  8 Rainfall _____ Waterline Inspection _____ |  9 Rainfall _____ Waterline Inspection _____ |  10 Rainfall _____ Waterline Inspection _____ |  11 Rainfall _____ Waterline Inspection _____ |  12 Rainfall _____ Waterline Inspection _____ |  13 Rainfall _____ Waterline Inspection _____ |  14 Rainfall _____ Waterline Inspection _____ | <ul style="list-style-type: none"> •Lagoon Depth Marker (ft) _____ Date _____ •Manure Storage & Equipment Inspection _____ Notes _____ Date _____ •Water & Runoff Diversion or Containment Devices _____ Notes _____ Date _____ •Maintenance or Repairs _____ Date _____ Notes _____ |
|  15 Rainfall _____ Waterline Inspection _____ |  16 Rainfall _____ Waterline Inspection _____ |  17 Rainfall _____ Waterline Inspection _____ |  18 Rainfall _____ Waterline Inspection _____ |  19 Rainfall _____ Waterline Inspection _____ |  20 Rainfall _____ Waterline Inspection _____ |  21 Rainfall _____ Waterline Inspection _____ | <ul style="list-style-type: none"> •Lagoon Depth Marker (ft) _____ Date _____ •Manure Storage & Equipment Inspection _____ Notes _____ Date _____ •Water & Runoff Diversion or Containment Devices _____ Notes _____ Date _____ •Maintenance or Repairs _____ Date _____ Notes _____ |
|  22 Rainfall _____ Waterline Inspection _____ |  23 Rainfall _____ Waterline Inspection _____ |  24 Rainfall _____ Waterline Inspection _____ |  25 Rainfall _____ Waterline Inspection _____ |  26 Rainfall _____ Waterline Inspection _____ |  27 Rainfall _____ Waterline Inspection _____ |  28 Rainfall _____ Waterline Inspection _____ | <ul style="list-style-type: none"> •Lagoon Depth Marker (ft) _____ Date _____ •Manure Storage & Equipment Inspection _____ Notes _____ Date _____ •Water & Runoff Diversion or Containment Devices _____ Notes _____ Date _____ •Maintenance or Repairs _____ Date _____ Notes _____ |
|  29 Rainfall _____ Waterline Inspection _____ |  30 Rainfall _____ Waterline Inspection _____ |  31 Rainfall _____ Waterline Inspection _____ | <div style="border: 2px solid black; border-radius: 50%; padding: 10px; width: fit-content; margin: 0 auto;"> <p>In case of a spill or discharge, take measures to contain the spill and contact NDEQ at 1-402-471-4239 within 24 hours. Written reports of a spill must be completed within 5 days.</p> </div> | | |  32 Rainfall _____ Waterline Inspection _____ | <ul style="list-style-type: none"> •Lagoon Depth Marker (ft) _____ Date _____ •Manure Storage & Equipment Inspection _____ Notes _____ Date _____ •Water & Runoff Diversion or Containment Devices _____ Notes _____ Date _____ •Maintenance or Repairs _____ Date _____ Notes _____ |

Manure / Wastewater Applied:

Field ID & Location _____ Acres Applied _____ Date _____
 Manure Source _____ Application Method _____
 Application Rate _____ Total Applied N _____ Applied P _____

Field ID & Location _____ Acres Applied _____ Date _____
 Manure Source _____ Application Method _____
 Application Rate _____ Total Applied N _____ Applied P _____

Field ID & Location _____ Acres Applied _____ Date _____
 Manure Source _____ Application Method _____
 Application Rate _____ Total Applied N _____ Applied P _____

Field ID & Location _____ Acres Applied _____ Date _____
 Manure Source _____ Application Method _____
 Application Rate _____ Total Applied N _____ Applied P _____

Field ID & Location _____ Acres Applied _____ Date _____
 Manure Source _____ Application Method _____
 Application Rate _____ Total Applied N _____ Applied P _____

Field ID & Location _____ Acres Applied _____ Date _____
 Manure Source _____ Application Method _____
 Application Rate _____ Total Applied N _____ Applied P _____

Crops Harvested—Nutrients Removed

| Date | Field ID and Location | Crop Type | Yield | Acreage | N Removed | P Removed |
|------|-----------------------|-----------|-------|---------|-----------|-----------|
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |

Crop Nutrient Needs—Estimates for Next Year

| Date | Field ID and Location | Crop Type | Yield | Acreage | N Required | P Required |
|------|-----------------------|-----------|-------|---------|------------|------------|
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |

Soil Sampling

| Field ID and Location | Sample Depth | Date of Collection | Field ID and Location | Sample Depth | Date of Collection |
|-----------------------|--------------|--------------------|-----------------------|--------------|--------------------|
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
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Consider Stockpile Locations Carefully




















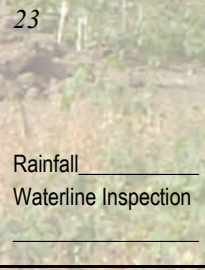








Stockpiles should be placed to prevent a discharge to waters of the state and be managed as necessary by use of cover material, diking, or other means to prevent discharge until utilized. This applied to all sizes of operations and anywhere manure is stockpiled in a field by small and medium AFO's and large CAFO's. If in doubt about a stockpile site, ask your NDEQ inspector.

Stockpile Locations

| Date Piled | Field ID and Location | Date Spread |
|------------|-----------------------|-------------|
| | | |
| | | |
| | | |
| | | |

November 2012

Monthly Inspections
 Mortality Management System _____ Date _____
 Notes _____

| Sun | Mon | Tue | Wed | Thu | Fri | Sat | Weekly Inspections |
|--|--|--|--|---|--|--|--|
| <div style="border: 1px solid black; border-radius: 50%; padding: 10px; text-align: center;"> <p>In case of a spill or discharge, take measures to contain the spill and contact NDEQ at 1-402-471-4239 within 24 hours. Written reports of a spill must be completed within 5 days.</p> </div> | | | | 1 | 2 | 3 | <ul style="list-style-type: none"> •Lagoon Depth Marker (ft) _____ Date _____ •Manure Storage & Equipment Inspection _____ Notes _____ Date _____ •Water & Runoff Diversion or Containment Devices _____ Notes _____ Date _____ •Maintenance or Repairs _____ Date _____ Notes _____ |
| | | | | Rainfall _____ Waterline Inspection _____ | Rainfall _____ Waterline Inspection _____ | Rainfall _____ Waterline Inspection _____ | |
| 4 | 5 | 6 | 7 | 8 | 9 | 10 | <ul style="list-style-type: none"> •Lagoon Depth Marker (ft) _____ Date _____ •Manure Storage & Equipment Inspection _____ Notes _____ Date _____ •Water & Runoff Diversion or Containment Devices _____ Notes _____ Date _____ •Maintenance or Repairs _____ Date _____ Notes _____ |
|  Rainfall _____ Waterline Inspection _____ |  Rainfall _____ Waterline Inspection _____ |  Rainfall _____ Waterline Inspection _____ |  Rainfall _____ Waterline Inspection _____ |  Rainfall _____ Waterline Inspection _____ |  Rainfall _____ Waterline Inspection _____ |  Rainfall _____ Waterline Inspection _____ | |
| 11 | 12 | 13 | 14 | 15 | 16 | 17 | <ul style="list-style-type: none"> •Lagoon Depth Marker (ft) _____ Date _____ •Manure Storage & Equipment Inspection _____ Notes _____ Date _____ •Water & Runoff Diversion or Containment Devices _____ Notes _____ Date _____ •Maintenance or Repairs _____ Date _____ Notes _____ |
|  Rainfall _____ Waterline Inspection _____ |  Rainfall _____ Waterline Inspection _____ |  Rainfall _____ Waterline Inspection _____ |  Rainfall _____ Waterline Inspection _____ |  Rainfall _____ Waterline Inspection _____ |  Rainfall _____ Waterline Inspection _____ |  Rainfall _____ Waterline Inspection _____ | |
| 18 | 19 | 20 | 21 | 22 | 23 | 24 | <ul style="list-style-type: none"> •Lagoon Depth Marker (ft) _____ Date _____ •Manure Storage & Equipment Inspection _____ Notes _____ Date _____ •Water & Runoff Diversion or Containment Devices _____ Notes _____ Date _____ •Maintenance or Repairs _____ Date _____ Notes _____ |
|  Rainfall _____ Waterline Inspection _____ |  Rainfall _____ Waterline Inspection _____ |  Rainfall _____ Waterline Inspection _____ |  Rainfall _____ Waterline Inspection _____ |  Rainfall _____ Waterline Inspection _____ |  Rainfall _____ Waterline Inspection _____ |  Rainfall _____ Waterline Inspection _____ | |
| 25 | 26 | 27 | 28 | 29 | 30 | | <ul style="list-style-type: none"> •Lagoon Depth Marker (ft) _____ Date _____ •Manure Storage & Equipment Inspection _____ Notes _____ Date _____ •Water & Runoff Diversion or Containment Devices _____ Notes _____ Date _____ •Maintenance or Repairs _____ Date _____ Notes _____ |
|  Rainfall _____ Waterline Inspection _____ |  Rainfall _____ Waterline Inspection _____ |  Rainfall _____ Waterline Inspection _____ |  Rainfall _____ Waterline Inspection _____ |  Rainfall _____ Waterline Inspection _____ |  Rainfall _____ Waterline Inspection _____ |  | |

Manure / Wastewater Applied:

Field ID & Location _____ Acres Applied _____ Date _____
 Manure Source _____ Application Method _____
 Application Rate _____ Total Applied N _____ Applied P _____

Field ID & Location _____ Acres Applied _____ Date _____
 Manure Source _____ Application Method _____
 Application Rate _____ Total Applied N _____ Applied P _____

Field ID & Location _____ Acres Applied _____ Date _____
 Manure Source _____ Application Method _____
 Application Rate _____ Total Applied N _____ Applied P _____

Field ID & Location _____ Acres Applied _____ Date _____
 Manure Source _____ Application Method _____
 Application Rate _____ Total Applied N _____ Applied P _____

Employee Training

At least 1 representative must complete Land Application Training every 5 years.

Training Type _____ Date _____
 Employees Trained _____
 Trainer and Location _____

Training Type _____ Date _____
 Employees Trained _____
 Trainer and Location _____

Training Type _____ Date _____
 Employees Trained _____
 Trainer and Location _____

Manure Sample Tests

At a minimum, request the following for a manure sample test: total and ammonium nitrogen (NH₄-N), phosphorus (P₂O₅), potassium (K₂O), pH, soluble salts, sodium, and dry matter content.

For more information see:
<http://www.ianrpubs.unl.edu/sendIt/g1780.pdf>

Manure Sold or Given Away

(An information sheet containing your operation name and address along with a written statement that manure / wastewater must not enter waters of the state and the nutrient analysis must be provided to the recipient.)

Manure volume/weight _____ Date _____
 Recipient Name and Address _____

Manure volume/weight _____ Date _____
 Recipient Name and Address _____

Manure volume/weight _____ Date _____
 Recipient Name and Address _____

Manure volume/weight _____ Date _____
 Recipient Name and Address _____

Notes

**Additional information and space for records is provided on the back page.*

December 2012

Monthly Inspections

Mortality Management System _____ Date _____
Notes _____

| Sun | Mon | Tue | Wed | Thu | Fri | Sat | Weekly Inspections |
|--|--|--|--|--|--|--|---|
| | | | | | | 1 Rainfall _____ Waterline Inspection _____ | •Lagoon Depth Marker (ft) _____ Date _____ •Manure Storage & Equipment Inspection _____ Notes _____ Date _____ •Water & Runoff Diversion or Containment Devices _____ Notes _____ Date _____ •Maintenance or Repairs _____ Date _____ Notes _____ |
| 2 Rainfall _____ Waterline Inspection _____ | 3 Rainfall _____ Waterline Inspection _____ | 4 Rainfall _____ Waterline Inspection _____ | 5 Rainfall _____ Waterline Inspection _____ | 6 Rainfall _____ Waterline Inspection _____ | 7 Rainfall _____ Waterline Inspection _____ | 8 Rainfall _____ Waterline Inspection _____ | •Lagoon Depth Marker (ft) _____ Date _____ •Manure Storage & Equipment Inspection _____ Notes _____ Date _____ •Water & Runoff Diversion or Containment Devices _____ Notes _____ Date _____ •Maintenance or Repairs _____ Date _____ Notes _____ |
| 9 Rainfall _____ Waterline Inspection _____ | 10 Rainfall _____ Waterline Inspection _____ | 11 Rainfall _____ Waterline Inspection _____ | 12 Rainfall _____ Waterline Inspection _____ | 13 Rainfall _____ Waterline Inspection _____ | 14 Rainfall _____ Waterline Inspection _____ | 15 Rainfall _____ Waterline Inspection _____ | •Lagoon Depth Marker (ft) _____ Date _____ •Manure Storage & Equipment Inspection _____ Notes _____ Date _____ •Water & Runoff Diversion or Containment Devices _____ Notes _____ Date _____ •Maintenance or Repairs _____ Date _____ Notes _____ |
| 16 Rainfall _____ Waterline Inspection _____ | 17 Rainfall _____ Waterline Inspection _____ | 18 Rainfall _____ Waterline Inspection _____ | 19 Rainfall _____ Waterline Inspection _____ | 20 Rainfall _____ Waterline Inspection _____ | 21 Rainfall _____ Waterline Inspection _____ | 22 Rainfall _____ Waterline Inspection _____ | •Lagoon Depth Marker (ft) _____ Date _____ •Manure Storage & Equipment Inspection _____ Notes _____ Date _____ •Water & Runoff Diversion or Containment Devices _____ Notes _____ Date _____ •Maintenance or Repairs _____ Date _____ Notes _____ |
| 23 Rainfall _____ Waterline Inspection _____ | 24 Rainfall _____ Waterline Inspection _____ | 25 Rainfall _____ Waterline Inspection _____ | 26 Rainfall _____ Waterline Inspection _____ | 27 Rainfall _____ Waterline Inspection _____ | 28 Rainfall _____ Waterline Inspection _____ | 29 Rainfall _____ Waterline Inspection _____ | •Lagoon Depth Marker (ft) _____ Date _____ •Manure Storage & Equipment Inspection _____ Notes _____ Date _____ •Water & Runoff Diversion or Containment Devices _____ Notes _____ Date _____ •Maintenance or Repairs _____ Date _____ Notes _____ |
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General Directions

- Record the initials of the person performing the inspection each time. Check marks will not satisfy the recordkeeping requirements.
- Record any maintenance and/or repairs.
- Correct all deficiencies within 30 days.
- More detailed instructions can be found on page 3.

Phosphorus Index

| Date Completed | Field ID and Location | Risk Rating | Management |
|----------------|-----------------------|-------------|------------|
| | | | |
| | | | |
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| | | | |
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| | | | |

Employee Training

At least 1 representative must complete Land Application Training every 5 years.

Training Type _____ Date _____

Employees Trained _____

Trainer and Location _____

Training Type _____ Date _____

Employees Trained _____

Trainer and Location _____

Training Type _____ Date _____

Employees Trained _____

Trainer and Location _____

Soil Sampling

| Field ID and Location | Sample Depth | Date of Collection |
|-----------------------|--------------|--------------------|
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |

Manure/Wastewater Sampling

| Sampling Location | Sample Depth | Date of Collection |
|-------------------|--------------|--------------------|
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| | | |
| | | |
| | | |
| | | |
| | | |

Annual Sludge Level

Depth _____ Date _____

Disclaimer

The information in this calendar should assist producers to meet legal requirements and protect environmentally sensitive areas around their operations. The use of this calendar and accompanying information is intended to serve as a guide and does not guarantee compliance with the Nebraska Department of Environmental Quality rules and regulations.

Accidental Spill or Discharge

Date and time of spill or discharge _____

Length of time of spill or discharge _____

Location and source of spill _____

Date and time of oral NDEQ notification (must be within 24 hours) _____

Call NDEQ at 1-402-471-4239.

Estimated discharge volume _____

Date of sample collection (must be analyzed by a laboratory) _____

Description of the cause of the discharge _____

Precipitation amount (if cause of the discharge) _____

_____ Date _____

Send written spill report to:

Nebraska Dept. of Environmental Quality

Attention: Ag Department

1200 N Street Suite 400

Annual Report

Date report submitted to NDEQ _____

Reports are due March 1 of each year.

Location of files and records for inspections _____

Dates of NDEQ inspections _____

Name of Facility: _____ Facility ID Number: _____

Address: _____ City, State and Zipcode: _____ Section: _____ Township: _____ Range: _____

1. **Livestock** - Maximum number of livestock at the CAFO at any one time during the previous calendar year. _____ head
2. **Generated Manure** - Total amount of waste generated by the operation during the previous calendar year, including manure, and process wastewater.
 Manure gallons = _____ Liquid gallons = _____
3. **Transferred Manure** - The total amount of waste sold or given away by the operation in the previous calendar year, including manure, and process wastewater.
 Manure tons = _____ Liquid gallons = _____

4. **Land Application Responsibility -**

a. Person who has primary responsibility for the land application at the CAFO:

Name: _____ Phone Number: _____

Address: _____ City, State and Zipcode: _____

b. Is the person an **authorized** representative, owner, or an employee? Circle one. yes / no

c. Most recent date the person completed land application training? _____

5. **Land Application Area -**

a. Total number of land application acres covered by CAFO's current Nutrient Management Plan. _____ acres.

b. Total number of acres controlled by the CAFO and used for land application of livestock waste during the previous year – including manure, and process wastewater. _____ acres.

6. **Discharges** -(In case of spill or overflow incident. Otherwise not applicable) Summary of all livestock waste discharges (including manure, and process wastewater) from the production areas and the land application areas during the previous year. The summary must include the following information for **each** discharge

a. Date discharge began _____ and ended _____

b. Time of day/night discharge occurred _____ and the duration of discharge _____ hours.

c. Approximate volume of waste discharged (provide supporting figures) = _____

7. **Nutrient Management Plan Information** - CAFO's current Nutrient Management Plan on file with the Department was developed and approved by a certified nutrient management planner? Circle one. yes / no

8. **Changes to Nutrient Management Plan** - Yes () or No () If the CAFO has made any changes to the nutrient management plan during the previous calendar year, the changes must be reported to the Department. Supporting documents must be included with the information submitted. The information submitted should include changes in:

a. Any changes in land application areas: _____

b. Methods of soil sampling or soil analysis: _____

c. Means of determining land application rates: _____

9. **Individual field records** - For each field crop during the previous 12 months provide:

New Requirements

a. Actual crop planted and yield: _____

b. Actual N and P content of manure, litter, or wastewater applied : _____

c. Results of calculations made according to NMP: _____

d. Amount or volume of manure, litter, and wastewater applied to each field during the past 12 months: _____

e. Results of any soil testing for N and P: _____

f. Any conversion or availability factors used to determine nutrient availability: _____

g. Amount of supplemental fertilizer used in previous 12 months: _____

NOTE: Changes in nutrient management plans or other major modifications may require the submission of the 1) application to the Department, 2) the appropriate application fee, and 3) Departmental approval prior to any changes.

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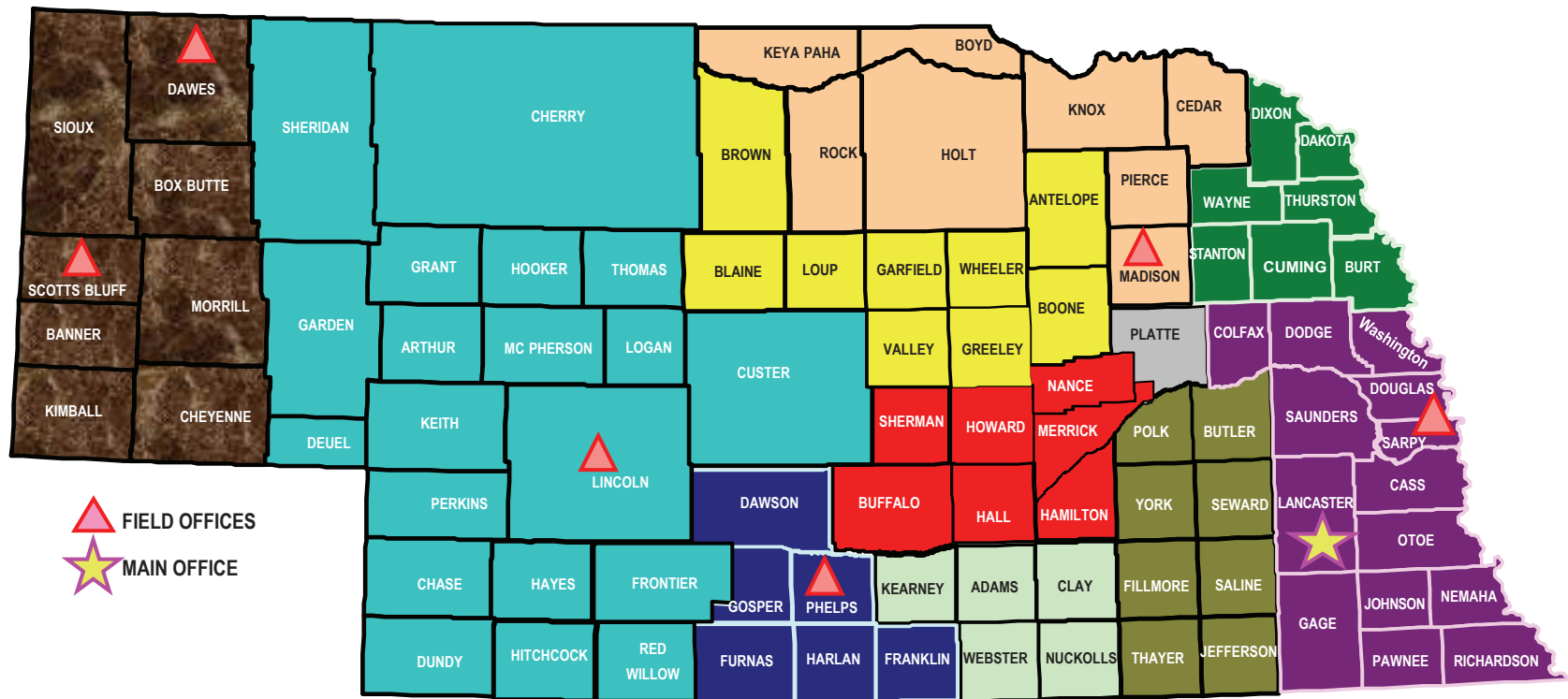
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**Nebraska Department Of Environmental Quality
Forms and Guidance Documents can be found at:
<http://www.deq.state.ne.us/>**



Department of Environmental Quality Livestock Waste Control Inspection Areas of Coverage



DENNIS HEITMANN, AGRICULTURE SECTION SUPERVISOR - (402) 471-4239

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|---|----------------|----------------|--|----------------|-----------------|---|----------------|--|
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This publication was funded in part by the Alliance for the Future of Agriculture in Nebraska (A-FAN), the Nebraska Cattlemen, and the Nebraska Corn Board. This publication was funded in part by the Alliance for the Future of Agriculture in Nebraska (A-FAN), the Nebraska Cattlemen, and the Nebraska Corn Board.



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