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Nutrient Management Record Keeping Calendar, July 2011-December 2012

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Developed by:

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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

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 vear.
- 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.

Field	ID & Location	Ac	Acres Applied			Date	
Manure Source		Applica	ation M	ethod			
Application Rate		Total A				Applied P	
Field	ID & Location	Ac	res Ap _l	olied	Date		
Manu	re Source	Applica	Application Method				
	cation Rate						
Field	ID & Location	Acres Applied			Date		
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Cror	s Harvested—Nu	trients R	emov	ed			
Date	Field ID and Location	ı	1		N Removed	P Removed	
		1 31					
Crop Nutrient Needs—Estimates for Next Year							
Date	Field ID and Location	Crop Type	Yield	Acreage	N Required	P Required	
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Manure / Wastewater Applied:

Manure Sold or Given Away (An information sheet containing your open a written statement that manure / wastew state and the nutrient analysis must be presented.)	rater must not enter waters of the					
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

Luky 2011							Monthly Inspections Mortality Management System Date Notes
Sun	Mon	Tue	Wed	Thu	Fri	Sat	Weekly Inspections
					I Rainfall_ Waterline Inspection	RainfallWaterline 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
RainfallWaterline Inspection	A Rainfall Waterline Inspection	S Rainfall_ Waterline Inspection	RainfallWaterline 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
Rainfall Waterline Inspection	Rainfall Waterline Inspection	RainfallWaterline Inspection	Rainfall Waterline Inspection	RainfallWaterline Inspection	Rainfall	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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Rainfall Waterline Inspection	Rainfall Waterline Inspection	Rainfall_ Waterline Inspection	RainfallWaterline Inspection	RainfallWaterline Inspection	Rainfall_ Waterline Inspection	RainfallWaterline 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
RainfallWaterline Inspection		con	ke measures to c tact NDEQ at 1-40 urs. Written repo	III or discharge, ontain the spill a 02-471-4239 withints of a spill must within 5 days.	in 24	1	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	was a tie o a saal					
*Additional info						
space for records						
on the back	k page.					

Manure / Wastewater Ap	oplied:	
Field ID & Location	Acres Applied _	Date
Manure Source	_ Application Method	
Application Rate		
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		

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		

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Mon	Tue	Wed	Thu	Fri	Sat	Weekly Insp	pections
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		THE PERSON NAMED IN	AL PROPERTY.	Control of		Notes	Date
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Waterline Inspection	Waterline Inspection	Waterline Inspection	Waterline Inspection	Waterline Inspection	Waterline Inspection		Date
						Notes	
1.5	16	17	10	10	20		
15	10	1/	18	19	20	●Lagoon Depth Marker (ft)	Date
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			20,856	Party and			Date
	STREET, C		60.50		STATE OF THE PARTY		ontainment Devices
Rainfall	Rainfall	Rainfall	Rainfall	Rainfall	Rainfall	Notes	Date
						Maintenance or Repairs	Date
	20.37		A COLUMN			Notes	
22	22	2.4	25	26	27		
22	23	24	23	20	27	el agoon Depth Marker (ft)	Date
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Manure / Wastewater App	olied:	
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

Crop	Crops Harvested—Nutrients Removed									
Date	Field ID and Location	Crop Type	Yield	Acreage	N Removed	P Removed				
Crop	Nutrient Needs-	-Estimate	es for	Next Y	ear					
Date	Field ID and Location	Crop Type	V: - I-I			1				
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Manure Spreader Calibration										
Date	Equipment Type	Manure Source	Calibration Method	Calculated amount of Manure Applied per acre						

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).

Fields with setbacks							
Field ID and Location	Areas of setback						



September 2011

Sun	Mon	Tue	Wed	Thu	Fri	Sat	Weekly Inspections
(cont	ke measures to c tact NDEQ at 1-4	ill or discharge, contain the spill a 02-471-4239 withi	n 24)	I Rainfall	2 Rainfall	3 Rainfall	Lagoon Depth Marker (ft) Date Manure Storage & Equipment Inspection Notes Date Water & Runoff Diversion or Containment Devices
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Waterline Inspection	Waterline Inspection	Waterline Inspection	Waterline Inspection	Waterline Inspection	Waterline Inspection	Waterline Inspection	Maintenance or Repairs Date Notes Date Notes Date Notes
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Rainfall	RainfallWaterline Inspection	Rainfall	Rainfall	Rainfall	Rainfall	Rainfall	Notes Date •Maintenance or Repairs Date Notes
18	19	20	21	22	23	24	Lagoon Depth Marker (ft) Date Manure Storage & Equipment Inspection Date Notes Date
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Crop	s Harvested—Nu	trients Re	emov	ed] \$
Date	Field ID and Location	Crop Type	Yield	Acreage	N Removed	P Removed	F
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Crop	Nutrient Needs–	-Estimate	es for	Next Y	ear		
Date	Field ID and Location	Crop Type	Yield	Acreage	N Required	P Required	
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Applic	ation Rate	Total A	pplied	N	Applied I		
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Applic	ation Rate	Total A	pplied	N	Applied I		$\parallel $
Field I	D & Location	Acı	res App	olied	Date)	-
Manur	e Source	Applica	tion Me	ethod			
Applic	ation Rate	Total A	pplied	N	Applied I		

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

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.	
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October 2011

Sun	Mon	Tue	Wed	Thu	Fri	Sat	Weekly Inspections
1	s Sal					I 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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Crops Harvested—Nutrients Removed							Liau	ıid Maı	nure St	orage Ov	er Wi	nter
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							regulation	ons sta	ite liquic	d manure	facilitie	es must
							be pun	nped d	own and	d be able	to sto	re 180
Crop	Nutrient Needs-	⊥ –Estimate	es for	Next Y	ear		days o	f manu	ıre prior	to the wi	nter m	onths.
Date	Field ID and Location	Crop Type	Yield	Acreage	N Required	P Required	It is	genera	ally reco	mmende	d that	this
] h	appen	before	Novembe	er 15 o	r
								befor	e the gr	ound free	ezes.	
							Soil Som	nling				
							Soil Sam			<u> </u>	ı	1
Man	ure / Wastewater	Applied:		•	•	•	Field ID and Location	Sample Depth	Date of Collection	Field ID and Location	Sample Depth	Date of Collection
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Manu	re Source	Applica	ation M	ethod							N	braska
Applic	ation Rate	Total A	Applied	N	Applied I	P					1 116	Lincoln

November 2011

Sun	Mon	Tue	Wed	Thu	Fri	Sat	Weekly Inspections
		RainfallWaterline Inspection	RainfallWaterline Inspection	Rainfall	Rainfall_ Waterline Inspection	S 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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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						

At least 1 representative ryears.	g must complete Land Application Training every 5
Training Type	Date
	Date
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.

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

name and address along with ust not enter waters of the I to the recipient.)
Date
Date
Date



December 2011

Sun	Mon	Tue	Wed	Thu	Fri	Sat	Weekly Inspections
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General Directions Soil Sampling **Accidental Spill or Discharge** Record the initials of the person performing the Sample Field ID and Date of Date and time of spill or discharge _____ inspection each time. Check marks will not satisfy the Location Depth Collection recordkeeping requirements. Length of time of spill or discharge • Record any maintenance and/or repairs. Location and source of spill Correct all deficiencies within 30 days. • More detailed instructions can be found on page 3. Date and time of oral NDEQ notification (must **Phosphorus Index** be within 24 hours) Date Field ID and Risk Management Call NDEQ at 1-402-471-4239. Completed Location Rating Estimated discharge volume Date of sample collection (must be analyzed by a laboratory) Description of the cause of the discharge Manure/Wastewater Sampling Sampling Sample Date of Location Depth Collection Precipitation amount (if cause of the discharge) Date Send written spill report to: **Employee Training** Nebraska Dept. of Environmental Quality At least 1 representative must complete Land Application Training every 5 years. Attention: Ag Department Training Type _____ Date ____ 1200 N Street Suite 400 Employees Trained _____ Annual Sludge Level Trainer and Location _____ **Annual Report** Depth Date Training Type _____ Date ____ Date report submitted to NDEQ Disclaimer Employees Trained _____ Reports are due March 1 of each year. The information in this calendar should assist producers to meet legal requirements and protect Trainer and Location Location of files and records for inspections environmentally sensitive areas around their operations. The use of this calendar and Training Type Date accompanying information is intended to serve as a quide and does not quarantee compliance with the Dates of NDEQ inspections Employees Trained _____

Nebraska Department of Environmental Quality

rules and regulations.

Trainer and Location _____

Manu	Manure/Wastewater Applied								
Date	Field ID and Location	Acreage Applied	Volume / Weight Applied	Manure Source	Application Method	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				
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							
Crop	Nutrient Needs -	- Estimate	e for N	Next Ye	ar		
Crop Date	Nutrient Needs - Field ID and Location	ı		Acreage	N Required	P Required	
•	1	ı		I	T	P Required	
•	1	ı		I	T	P Required	
•	1	ı		I	T	P Required	
•	1	ı		I	T	P Required	

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					

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

Employee Training At least 1 representative must complete Land App years.	lication Training every 5
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	
Employees Trained	
Trainer and Location	
Training Type	
Employees Trained	
Trainer and Location	· · · · · · · · · · · · · · · · · · ·

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



January 2012

Sun	Mon	Tue	Wed	Thu	Fri	Sat	Weekly Inspections
1	2	3	4	5	6	7	Lagoon Depth Marker (ft) Date Manure Storage & Equipment Inspection Notes Date
Rainfall	RainfallWaterline Inspection	RainfallWaterline Inspection	Rainfall	RainfallWaterline Inspection	RainfallWaterline Inspection	RainfallWaterline Inspection	Water & Runoff Diversion or Containment Devices_ Notes Date Maintenance or Repairs Date Notes
Rainfall Waterline Inspection	Rainfall_ Waterline Inspection	RainfallWaterline Inspection	Rainfall	Rainfall_ Waterline Inspection	RainfallWaterline Inspection	RainfallWaterline Inspection	Lagoon Depth Marker (ft) Date Manure Storage & Equipment Inspection
Rainfall_ Waterline Inspection	Rainfall	Rainfall	RainfallWaterline Inspection	RainfallWaterline Inspection	Rainfall	21 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
22 Rainfall Waterline Inspection	Rainfall Waterline Inspection	Rainfall Waterline Inspection	Rainfall Waterline Inspection	Rainfall Waterline Inspection	27 Rainfall_ Waterline Inspection	28 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 Date Notes Date
Rainfall_ Waterline Inspection	Rainfall Waterline Inspection	Rainfall_ Waterline Inspection	con	ke measures to c tact NDEQ at 1-40 urs. Written repo	02-471-4239 with	in 24	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					

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.

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

Employee Training At least 1 representative must complete Land years.	Application Training every 5
Training Type	Date
Employees Trained	
Trainer and Location	
Training Type	Date
Employees Trained	
Trainer and Location	
Training Type	Data
Training Type	
Employees Trained Trainer and Location	
Trainer and Education	
Training Type	Date
Employees Trained	
Trainer and Location	
Training Type	Date
Employees Trained	
Trainer and Location	
Training Type	Date
Employees Trained	
Trainer and Location	



February 2012

Sun	Mon	Tue	Wed	Thu	Fri	Sat	Weekly Inspections
			Rainfall	Rainfall	Rainfall_ Waterline Inspection	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 Notes Date
SainfallWaterline Inspection	RainfallWaterline Inspection	RainfallWaterline Inspection	RainfallWaterline Inspection	RainfallWaterline Inspection	RainfallWaterline Inspection	RainfallWaterline Inspection	Lagoon Depth Marker (ft) Date_ Manure Storage & Equipment Inspection
RainfallWaterline Inspection	Rainfall	Rainfall	Rainfall	Rainfall	Rainfall	Rainfall	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	20 Rainfall Waterline Inspection	RainfallWaterline Inspection	RainfallWaterline Inspection	RainfallWaterline Inspection	RainfallWaterline Inspection	Rainfall	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	RainfallWaterline Inspection	take meas contact NDE hours. Writ	e of a spill or disc ures to contain the Q at 1-402-471-4 ten reports of a s apleted within 5 c	he spill and 239 within 24 spill must be	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 / Wastewate	r 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	_

years.	
Training Type	Date
Trainer and Location	
Training Type	Date
Employees Trained	
Trainer and Location	
Training Type	Date
Employees Trained	
Trainer and Location	

At least 1 representative must complete Land Application Training every 5

Employee Training

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.

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

Manure Sold or Given Away (An information sheet containing your operation nar a written statement that manure / wastewater must state and the nutrient analysis must be provided to	not enter waters of the
Manure volume/weight	_ Date
Recipient Name and Address	
Manure volume/weight	_ Date
Recipient Name and Address	
Manure volume/weight	_ Date
Recipient Name and Address	



March 2012

Sun	Mon	Tue	Wed	Thu	Fri	Sat	Weekly Inspections
take measi contact NDE hours. Writt	e of a spill or disc ures to contain th Q at 1-402-471-42 ten reports of a s apleted within 5 d	ne spill and 239 within 24	nual Report Due	Rainfall Waterline Inspection	2 Rainfall Waterline Inspection	RainfallWaterline 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
RainfallWaterline Inspection	S Rainfall_ Waterline Inspection ———	RainfallWaterline Inspection	RainfallWaterline Inspection	RainfallWaterline Inspection	RainfallWaterline Inspection	RainfallWaterline 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
Rainfall_ Waterline Inspection	Rainfall_ Waterline Inspection	Rainfall_ Waterline Inspection	RainfallWaterline Inspection	Rainfall Waterline Inspection	Rainfall_ Waterline Inspection	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
RainfallWaterline Inspection	RainfallWaterline Inspection	Rainfall	RainfallWaterline Inspection	RainfallWaterline Inspection	RainfallWaterline Inspection	Rainfall	Lagoon Depth Marker (ft) Date Manure Storage & Equipment Inspection Notes Date Water & Runoff Diversion or Containment Devices Notes Date Maintenance or Repairs Date Notes
RainfallWaterline Inspection	Rainfall	Rainfall	RainfallWaterline Inspection	RainfallWaterline Inspection	Rainfall_ Waterline Inspection	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 Ap	plied:	
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 Sampli	ng				
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 nan a written statement that manure / wastewater must state and the nutrient analysis must be provided to the	not enter waters of the
Manure volume/weightRecipient Name and Address	
Manure volume/weightRecipient Name and Address	
Manure volume/weightRecipient Name and Address	
Manure volume/weight	

 *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
1	2	3	4	5	6	7	Lagoon Depth Marker (ft) Date Manure Storage & Equipment Inspection Notes Date Date Date Date Date Date Date
Rainfall Waterline Inspection	RainfallWaterline Inspection	RainfallWaterline Inspection	RainfallWaterline Inspection	RainfallWaterline Inspection	Rainfall	RainfallWaterline Inspection	Water & Runoff Diversion or Containment Devices Notes Date Maintenance or Repairs Date Notes
8	9	10	11.	12	13	14	Lagoon Depth Marker (ft) Date Manure Storage & Equipment Inspection Notes Date
Rainfall	Rainfall	Rainfall Waterline Inspection	Rainfall Waterline Inspection	Rainfall Waterline Inspection	Rainfall	Rainfall	Water & Runoff Diversion or Containment Devices Notes Date Maintenance or Repairs Date Notes
15	16	17	18	19	20	21	Lagoon Depth Marker (ft) Date Manure Storage & Equipment Inspection Notes Date
Rainfall Waterline Inspection	Rainfall Waterline Inspection	Rainfall	Rainfall	Rainfall Waterline Inspection	Rainfall_ Waterline Inspection	Rainfall	Water & Runoff Diversion or Containment Devices Notes Date Maintenance or Repairs Date Notes
22	23	24	25	26	27	28	Lagoon Depth Marker (ft) Date Manure Storage & Equipment Inspection Notes Date
Rainfall Waterline Inspection	Rainfall Waterline Inspection	Rainfall Waterline Inspection	Rainfall Waterline Inspection	Rainfall	RainfallWaterline Inspection	RainfallWaterline Inspection	Water & Runoff Diversion or Containment Devices Notes Date Maintenance or Repairs Date Notes
RainfallWaterline Inspection	Rainfall		take measu contact NDE hours. Writt	e of a spill or disc ures to contain the Q at 1-402-471-42 en reports of a s upleted within 5 d	ne spill and 239 within 24 pill must be		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					

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					

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 ope a written statement that manure / wastewa state and the nutrient analysis must be pro-	ater must not enter waters of the						
Manure volume/weight Date							
Recipient Name and Address	Dutc						
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_ii	nformation and						
	r records is						
provided on a	the back page.						



May 2012

Sun	Mon	Tue	Wed	Thu	Fri	Sat	Weekly Inspections
			2	3	4	5	Lagoon Depth Marker (ft) Date Manure Storage & Equipment Inspection Notes Date
		Rainfall	Rainfall	Rainfall	Rainfall	Rainfall	Water & Runoff Diversion or Containment Devices_
		Waterline Inspection	Waterline Inspection	Waterline Inspection	Waterline Inspection	Waterline Inspection	Notes Date •Maintenance or Repairs Date Notes
6 Rainfall	7 Rainfall	8 Rainfall	9 Rainfall	10 Rainfall	<i>I I</i> Rainfall	12 Rainfall	Date Date Manure Storage & Equipment Inspection Notes Date Water & Runoff Diversion or Containment Devices Notes Date
Waterline Inspection	Waterline Inspection	Waterline Inspection	Waterline Inspection	Waterline Inspection	Waterline Inspection	Waterline Inspection	Maintenance or Repairs Date Notes
RainfallWaterline Inspection	Rainfall_ Waterline Inspection	RainfallWaterline Inspection	Rainfall	Rainfall	Rainfall_ Waterline Inspection	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
Rainfall	RainfallWaterline Inspection	Rainfall	Rainfall	Rainfall	Rainfall_Waterline Inspection	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
27 Rainfall Waterline Inspection	Rainfall	Rainfall	Rainfall_ Waterline Inspection	Rainfall			Lagoon Depth Marker (ft) Date Manure Storage & Equipment Inspection Notes Date Water & Runoff Diversion or Containment Devices Notes Date Maintenance or Repairs Date

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								
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								
*Add	litional information and	d						

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

Crop	Crops Harvested—Nutrients Removed									
Date	Field ID and Location									
Crop	Nutrient Needs-	-Estimate	es for	Next Y	ear					
Date	Field ID and Location	Crop Type	Yield	Acreage	N Required	P Required				

Manure Sold or Given Away (An information sheet containing your operation is a written statement that manure / wastewater mustate and the nutrient analysis must be provided	ıst not enter waters of the
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.

Remember

It is not safe to enter a pit or building during agitation!



June 2012

Sun	Mon	Tue	Wed	Thu	Fri	Sat	Weekly Inspections
	take mease contact NDE hours. Writt	e of a spill or disc ures to contain th Q at 1-402-471-42 ten reports of a s apleted within 5 d	ne spill and 239 within 24 pill must be		RainfallWaterline Inspection	RainfallWaterline 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
RainfallWaterline Inspection	RainfallWaterline Inspection	RainfallWaterline Inspection	Rainfall Waterline Inspection	RainfallWaterline 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
RainfallWaterline Inspection	RainfallWaterline Inspection	Rainfall	Rainfall Waterline Inspection	RainfallWaterline Inspection	Rainfall	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
RainfallWaterline Inspection	RainfallWaterline Inspection	RainfallWaterline Inspection	RainfallWaterline Inspection	RainfallWaterline Inspection	RainfallWaterline Inspection	RainfallWaterline 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
RainfallWaterline Inspection	25 Rainfall Waterline Inspection	RainfallWaterline Inspection	27 Rainfall Waterline Inspection	RainfallWaterline Inspection	RainfallWaterline Inspection	Rainfall	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						

Manure Application Equipment

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

Crop	Crops Harvested—Nutrients Removed						
Date	Field ID and Location	Crop Type	Yield	Acreage	N Removed	P Removed	
Crop	Nutrient Needs-	-Estimate	es for	Next Y	ear		
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						
		ht Date Address					
Manu	re Applica	tion Equipment Maintenance					
Date	Equipment	Maintenance Done					
*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	2	3	4	5	6	7	Lagoon Depth Marker (ft) Date Manure Storage & Equipment Inspection Notes Date Water & Runoff Diversion or Containment Devices
Rainfall Waterline Inspection	Rainfall Waterline Inspection	RainfallWaterline Inspection	RainfallWaterline Inspection	RainfallWaterline Inspection	RainfallWaterline Inspection	RainfallWaterline Inspection	Notes Date •Maintenance or Repairs Date Notes
RainfallWaterline Inspection	RainfallWaterline Inspection	RainfallWaterline Inspection	RainfallWaterline Inspection	RainfallWaterline Inspection	RainfallWaterline Inspection	Rainfall	Lagoon Depth Marker (ft) Date Manure Storage & Equipment Inspection Notes Date Water & Runoff Diversion or Containment Devices Notes Date Maintenance or Repairs Date Notes Date
RainfallWaterline Inspection	RainfallWaterline Inspection	Rainfall	RainfallWaterline Inspection	Rainfall_ Waterline Inspection	Rainfall	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
RainfallWaterline Inspection	23 Rainfall Waterline Inspection	Rainfall Waterline Inspection	Rainfall Waterline Inspection	26 Rainfall Waterline Inspection	27 Rainfall Waterline Inspection	28 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
RainfallWaterline Inspection	RainfallWaterline Inspection	RainfallWaterline Inspection	cont	In case of a spi ke measures to c tact NDEQ at 1-40 urs. Written repoi completed w	Lagoon Depth Marker (ft) Date Manure Storage & Equipment Inspection Notes Date Water & Runoff Diversion or Containment Devices Notes Date Maintenance or Repairs Date Notes		

(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/weightRecipient Name and Address					
Manure volume/weightRecipient Name and Address					

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.

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				

Crop	Crops Harvested—Nutrients Removed							
Date	Field ID and Location	Crop Type	Yield	Acreage	N Removed	P Removed		
Crop	Nutrient Needs-	-Estimate	es for	Next Y	ear			
Date	Field ID and Location	Crop Type	Yield	Acreage	N Required	P Required		

Notes

	Aı						
۷							
3		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	
7	Liquid/Slurry (Air temp > 50)	0.95	0.70	0.50	0.25	0	
	7					7	\

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



August 2012

Sun	Mon	Tue	Wed	Thu	Fri	Sat	Weekly Inspections
/ take meas	e of a spill or discures to contain the	ne spill and	1	2	3	4	Lagoon Depth Marker (ft) Date Manure Storage & Equipment Inspection Notes Date
	Q at 1-402-471-4	,	Rainfall	Rainfall	Rainfall	Rainfall	Water & Runoff Diversion or Containment Devices
	ten reports of a s		Waterline Inspection	Waterline Inspection	Waterline Inspection	Waterline Inspection	Notes Date •Maintenance or Repairs Date Notes
5	6	7	8	9	10	11	Lagoon Depth Marker (ft) Date Manure Storage & Equipment Inspection Notes Date Water & Runoff Diversion or Containment Devices
Rainfall	Rainfall	Rainfall	Rainfall	Rainfall	Rainfall	Rainfall	Notes Date
Waterline Inspection	Waterline Inspection	Waterline Inspection	Waterline Inspection	Waterline Inspection	Waterline Inspection	Waterline Inspection	Maintenance or Repairs Date Notes
12	13	14	15	16	17	18	Lagoon Depth Marker (ft) Date Manure Storage & Equipment Inspection Notes Date
Dainfall	Paintall	Deinfall	Deinfall	Deinfall	Deinfall	Deinfall	Water & Runoff Diversion or Containment Devices_ Notes
Rainfall Waterline Inspection	Rainfall Waterline Inspection	Rainfall Waterline Inspection	Rainfall Waterline Inspection	Rainfall Waterline Inspection	Rainfall Waterline Inspection	Rainfall Waterline Inspection	Maintenance or Repairs Date Notes
19	20	21	22	23	24	25	Lagoon Depth Marker (ft) Date Manure Storage & Equipment Inspection Notes Date
	14.12						Water & Runoff Diversion or Containment Devices
Rainfall	Rainfall	Rainfall	Rainfall	Rainfall	Rainfall	Rainfall	Notes Date
Waterline Inspection	Waterline Inspection	Waterline Inspection	Waterline Inspection	Waterline Inspection	Waterline Inspection	Waterline Inspection	Maintenance or Repairs Date Notes
26	27	28	29	30	31		Lagoon Depth Marker (ft) Date Manure Storage & Equipment Inspection Notes Date
					ETYN L		Water & Runoff Diversion or Containment Devices_
Rainfall	Rainfall	Rainfall	Rainfall	Rainfall	Rainfall Notation Inspection		Notes Date
Waterline Inspection	Waterline Inspection	Waterline Inspection	Waterline Inspection	Waterline Inspection	Waterline Inspection		Maintenance or Repairs Date Notes

Field ID	0 & Location	Ac	Acres Applied Date					
Manure	e Source	Applica	Application Method					
Applica	ation Rate	Total A	pplied	N	Applied F			
Field ID	O & Location	Ac	res App	olied	Date	.		
	e Source							
Applica	ation Rate	Total A	pplied	N	Applied F			
Field IE	0 & Location	Ac	res Apr	olied	Date	;		
	e Source							
	ation Rate							
Field ID	D & Location	Ac	res App	olied	Date	;		
	e Source							
Applica	ation Rate	Total A	pplied	N	Applied F			
		ditional in e for recor on the ba	rds is	provided	d			
Crops	s Harvested—Nu	trients R	emov	ed				
Crops Date	S Harvested—Nu	1		T.	N Removed	P Removed		
		1		T.	N Removed	P Removed		
		1		T.	N Removed	P Removed		
		1		T.	N Removed	P Removed		
		1		T.	N Removed	P Removed		
Date		Crop Type	Yield	Acreage		P Removed		
Date	Field ID and Location	Crop Type	Yield	Acreage Next Yo		P Removed P Required		
Date	Field ID and Location Nutrient Needs—	Crop Type -Estimate	Yield	Acreage Next Yo	ear			
Date	Field ID and Location Nutrient Needs—	Crop Type -Estimate	Yield	Acreage Next Yo	ear			
Date	Field ID and Location Nutrient Needs—	Crop Type -Estimate	Yield	Acreage Next Yo	ear			

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 Notes	Date
Weekly Inspec	tions

Sun	Mon	Tue	Wed	Thu	Fri	Sat	Weekly Inspections
						RainfallWaterline 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
RainfallWaterline Inspection	Rainfall	Rainfall	S Rainfall Waterline Inspection	Rainfall	7 Rainfall_ Waterline Inspection	8 Rainfall_ Waterline Inspection	Lagoon Depth Marker (ft) Date
Rainfall	Rainfall	Rainfall	RainfallWaterline Inspection	Rainfall	Rainfall	RainfallWaterline 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
Rainfall	RainfallWaterline Inspection	Rainfall	Rainfall	Rainfall_ Waterline Inspection	Rainfall_ Waterline Inspection	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
Rainfall_ Waterline Inspection 30	RainfallWaterline Inspection	Rainfall	Rainfall	Rainfall Waterline Inspection	Rainfall	Rainfall	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			In case of a spi	ill or discharge,		Carlo Bridge	

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.

Rainfall

Waterline Inspection

Manu	ure / Wastewater	Applied:					,	
Field I	Field ID & Location		res Ap _l	olied	Date	e	╟	
Manur	e Source	Applica	ation M	ethod				
Applic	ation Rate	Total A	Applied	N	Applied	P	╠	
Field I	D & Location	Ac	res Ap _l	olied	Date	e	╠	
	e Source						╟	
Applic	ation Rate	Total A	Applied	N	Applied	P	╠	
Field I	D & Location	Ac	res Ap _l	olied	Date	e	╠	
Manur	e Source	Applica	ation M	ethod			L	
Applic	ation Rate	Total A	Applied	N	Applied	P		
Field I	D & Location	Ac	res Ap _l	olied	Date	e		
Manur	e Source	Applica	ation M	ethod				
Applic	ation Rate	Total A	Applied	N	Applied	P		
Field I	D & Location	Ac	res Ap _l	olied	Date	e		
Manur	e Source	Applica	ation M	ethod				
Applic	ation Rate	Total A	Applied	P				
Field I	D & Location	Ac	res Ap _l	olied	Date	e		
Manur	e Source	Applica	ation M	ethod				
Applic	ation Rate	Total A	Applied	N	Applied P			
Crop	s Harvested—Nu	trients R	emov	ed			Ī	
Date	Field ID and Location	Crop Type	Yield	Acreage	N Removed	P Removed		
							1	
							1	
							Ī _{г.}	
Crop Nutrient Needs—Estimates for Next Year						1		
Date	Field ID and Location	Crop Type	Yield	Acreage	N Required	P Required	11.	
							1Ŀ	
							1	
							1	
				 			1	

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

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
	RainfallWaterline Inspection	RainfallWaterline Inspection	RainfallWaterline Inspection	Rainfall	Rainfall_ Waterline Inspection	RainfallWaterline 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
RainfallWaterline Inspection	Rainfall	Rainfall	Rainfall	Rainfall	Rainfall	Rainfall	Lagoon Depth Marker (ft) Date Manure Storage & Equipment Inspection Notes Date Water & Runoff Diversion or Containment Devices Notes Date Maintenance or Repairs Date Notes
RainfallWaterline Inspection	Rainfall	Rainfall	I7 Rainfall Waterline Inspection	Rainfall	Rainfall	RainfallWaterline 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
Rainfall Waterline Inspection	Rainfall	RainfallWaterline Inspection	RainfallWaterline Inspection	25 Rainfall_ Waterline Inspection	Rainfall	Rainfall	Lagoon Depth Marker (ft) Date Manure Storage & Equipment Inspection Notes Date Water & Runoff Diversion or Containment Devices Notes Date Maintenance or Repairs Date Notes
RainfallWaterline Inspection	RainfallWaterline Inspection	Rainfall	RainfallWaterline Inspection	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			Lagoon Depth Marker (ft) Date Manure Storage & Equipment Inspection Notes Date Water & Runoff Diversion or Containment Devices Notes Date Maintenance or Repairs Date Notes Date

Manu	ure / Wastewater	Applied:					
Field ID & Location		Ac	res App	olied	Date	e	
Manure Source		Applica	ation Me	ethod			
Applic	ation Rate	Total A	Applied	N	Applied	P	
Field I	D & Location	Ac	res App	olied	Date	e	
Manur	e Source	Applica	ation Me	ethod			
Applic	ation Rate	Total A	Applied	N	Applied	P	
Field I	D & Location	Ac	res App	olied	Date	e	
Manur	e Source	Applica	ation Me	ethod			
Applic	ation Rate	Total A	Applied	N	Applied	P	
Field I	D & Location	Ac	res App	olied	Date	e	
Manur	re Source	Applica	ation Me	ethod			
Applic	ation Rate	Total A	Applied	N	Applied	P	
 Field I	D & Location	Ac	res Apr	olied	Date		
					Applied P		
Field I	D & Location	Ac	res App	olied	Date		
Manur	e Source	Applica	ation Me	ethod			
Applic	ation Rate	Total A	Applied	N	Applied	P	
Crop	s Harvested—Nu	trients R	emov	ed			
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	
l		Ī			ĺ		

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

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
		ontain the spill a		1	2	3	Lagoon Depth Marker (ft) Date Manure Storage & Equipment Inspection Notes Date
\ \		02-471-4239 withing the of a spill must within 5 days.	· · · · · · · · · · · · · · · · · · ·	Rainfall	Rainfall	Rainfall	Water & Runoff Diversion or Containment Devices Notes Date Notes Date Notes
4 Rainfall	5	Rainfall	7 Rainfall	8 Rainfall	9 Rainfall	10 Rainfall	Lagoon Depth Marker (ft) Date Manure Storage & Equipment Inspection Notes Date Water & Runoff Diversion or Containment Devices Notes Date
Waterline Inspection	Waterline Inspection	Waterline Inspection	Waterline Inspection	Waterline Inspection	Waterline Inspection	Waterline Inspection	Maintenance or Repairs Date Notes
11	12	13	14	15	16	17	Lagoon Depth Marker (ft) Date Manure Storage & Equipment Inspection Notes Date Water & Runoff Diversion or Containment Devices
Rainfall Waterline Inspection	RainfallWaterline Inspection	Rainfall Waterline Inspection	Rainfall Waterline Inspection	RainfallWaterline Inspection	Rainfall Waterline Inspection	RainfallWaterline Inspection	Notes Date Maintenance or Repairs Date Notes
18	19	20	21	22	23	24	Lagoon Depth Marker (ft) Date Manure Storage & Equipment Inspection Notes Date
Rainfall Waterline Inspection	Rainfall	Rainfall	Rainfall Waterline Inspection	RainfallWaterline Inspection	Rainfall	Rainfall	Water & Runoff Diversion or Containment Devices Notes Date Maintenance or Repairs Date Notes
25	26	27	28	29	30	- 4	Lagoon Depth Marker (ft) Date Manure Storage & Equipment Inspection Notes Date
Rainfall	Rainfall	Rainfall	Rainfall	Rainfall	Rainfall	10.00	Water & Runoff Diversion or Containment Devices Notes Date Maintanance or Repairs Date Date
Waterline Inspection	Waterline Inspection	Waterline Inspection	Waterline Inspection	Waterline Inspection	Waterline Inspection	Traction of	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			

At least 1 representative myears.	lust complete Land Application Training every 5
Training Type	Date
Employees Trained	
Trainer and Location	
Training Type	
I .	_
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/sendlt/g1780.pdf

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

(An information sheet containing your oper a written statement that manure / wastewa state and the nutrient analysis must be pro	ter must not enter waters of the
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	



December 2012

Monthly Inspections

Mortality Management System _____ Date ____
Notes_____

Sun	Mon	Tue	Wed	Thu	Fri	Sat	Weekly Inspections
						RainfallWaterline 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
RainfallWaterline Inspection	RainfallWaterline Inspection	RainfallWaterline Inspection	RainfallWaterline Inspection	RainfallWaterline Inspection	7 Rainfall Waterline Inspection	RainfallWaterline 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
RainfallWaterline Inspection	RainfallWaterline Inspection	RainfallWaterline Inspection	Rainfall Waterline Inspection	RainfallWaterline Inspection	Rainfall	RainfallWaterline 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
RainfallWaterline Inspection	Rainfall	RainfallWaterline Inspection	Rainfall	RainfallWaterline Inspection	21 Rainfall_ Waterline Inspection	Rainfall	Lagoon Depth Marker (ft) Date Manure Storage & Equipment Inspection Notes Date Water & Runoff Diversion or Containment Devices Notes Date Maintenance or Repairs Date Notes
RainfallWaterline Inspection	RainfallWaterline Inspection	25 Rainfall_ Waterline Inspection	RainfallWaterline Inspection	RainfallWaterline Inspection	28 Rainfall Waterline Inspection	Rainfall	Lagoon Depth Marker (ft) Date Manure Storage & Equipment Inspection Notes Date Water & Runoff Diversion or Containment Devices Notes Date Maintenance or Repairs Date Notes
RainfallWaterline Inspection	RainfallWaterline Inspection	(cont	act NDEQ at 1-40	ontain the spill a)2-471-4239 withi rts of a spill must	n 24		Lagoon Depth Marker (ft) Date Manure Storage & Equipment Inspection Notes Date Notes Date Maintenance or Repairs Date Notes Date Notes Date Notes Date

General Directions Soil Sampling **Accidental Spill or Discharge** Record the initials of the person performing the Sample Field ID and Date of Date and time of spill or discharge _____ inspection each time. Check marks will not satisfy the Location Depth Collection recordkeeping requirements. Length of time of spill or discharge • Record any maintenance and/or repairs. Location and source of spill Correct all deficiencies within 30 days. • More detailed instructions can be found on page 3. Date and time of oral NDEQ notification (must **Phosphorus Index** be within 24 hours) Date Field ID and Risk Management Call NDEQ at 1-402-471-4239. Completed Location Rating Estimated discharge volume Date of sample collection (must be analyzed by a laboratory) Description of the cause of the discharge Manure/Wastewater Sampling Sampling Sample Date of Location Depth Collection Precipitation amount (if cause of the discharge) Date Send written spill report to: **Employee Training** Nebraska Dept. of Environmental Quality At least 1 representative must complete Land Application Training every 5 years. Attention: Ag Department Training Type _____ Date ____ 1200 N Street Suite 400 Employees Trained _____ Annual Sludge Level Trainer and Location _____ **Annual Report** Depth Date Training Type _____ Date ____ Date report submitted to NDEQ Disclaimer Employees Trained _____ Reports are due March 1 of each year. The information in this calendar should assist producers to meet legal requirements and protect Trainer and Location Location of files and records for inspections environmentally sensitive areas around their operations. The use of this calendar and Training Type Date accompanying information is intended to serve as a quide and does not quarantee compliance with the Dates of NDEQ inspections Employees Trained _____

Nebraska Department of Environmental Quality

rules and regulations.

Trainer and Location _____

Manure/Wastewater Applied								
Date	Field ID and Location	Acreage Applied	Volume / Weight Applied	Manure Source	Application Method	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					

Crops Harvested - Nutrients Removed								
Date	Field ID and Location	Crop Type	Yield	Acreage	N Removed	P Removed		
Crop Nutrient Needs - Estimate for Next Year								
Crop	Nutrient Needs -	- Estimate	e for I	Next Ye	ar			
Crop Date	Nutrient Needs - Field ID and Location	ı		Acreage	N Required	P Required		
	T	ı		ı	1	P Required		
	T	ı		ı	1	P Required		
	T	ı		ı	1	P Required		
	T	ı		ı	1	P Required		

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

CAFO ANNUAL REPORT Due March 1, 2012

Name of Facility:	Facility ID Number:		_	
Address:	City, State and Zipcode:	Section:	Township:	Range:
2. Generated Manure - Total	ber of livestock at the CAFO at any one time during the pro amount of waste generated by the operation during the pro Liquid gallons =	revious calendar year, incl	he uding manure, and p	ad process wastewater.
3. Transferred Manure - The	total amount of waste sold or given away by the operation ons = Liquid gallons =	in the previous calendar y	ear, including manu	re, and process
4. Land Application Respons	sihility -	· · · · · · · · · · · · · · · · · · ·		
a. Person who has prima	ry responsibility for the land application at the CAFO: Phone Number:			
Address:	City, State and Zipcode:			
	prized representative, owner, or an employee? Circle one			
	erson completed land application training?			
5.Land Application Area -				
	application acres covered by CAFO's current Nutrient Mana	agement Plan.	acres.	
	controlled by the CAFO and used for land application of liv			ding manure, and
process wastewater.	acres.		·	
6.Discharges -(In case of spil	or overflow incident. Otherwise not applicable) Summary ction areas and the land application areas during the previous			
each discharge				
 a. Date discharge began 	and ended			
b. Time of day/night discl	and ended and the duration of disch	narge	hours.	
 c. Approximate volume o 	f waste discharged (provide supporting figures) = Information - CAFO's current Nutrient Management Plan			
		n on file with the Departme	ent was developed a	nd approved by a
	nt planner? Circle one. yes / no			
	gement Plan - Yes () or No () If the CAFO has m			
	changes must be reported to the Department. Supporting	documents must be includ	ed with the informati	on submitted. The
information submitted should				
a. Any changes in land a	pplication areas:	· · · · · · · · · · · · · · · · · · ·		
b. Methods of soil sampli	ng or soil analysis:			
	land application rates:			
	For each field crop during the previous 12 months provide:			New Requirements
a. Actual crop planted an	d yield:			
b. Actual N and P conten	t of manure, litter, or wastewater applied :			
c. Results of calculations	made according to NMP:			
a. Amount or volume of n	nanure, litter, and wastewater applied to each field during			
e. Results of any soil test	ting for N and P:			
i. Any conversion of avail	lability factors used to determine nutrient availability:			
g. Amount of supplement	tal fertilizer used in previous 12 months:			

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

Additional Notes	2011-2012
	Cut Here
Please evaluate this publication:	To receive your FREE 2013 Nutrient
 Did this publication fulfill your record keeping requirements? Circle one. Yes No 	Management Record Keeping Calendar:
 Was using this calendar an improvement to your prior record keeping program? Circle one. Yes No 	 Fill out the evaluation form on this page and the form below. Cut along the dotted line above and fold this card in half. Tape (do not staple) the postcard shut so your information is concealed
• What other records do you keep that you would like to see added to the calendar?	4) Place a stamp on the postcard and mail it in by October 15 .
	Your calendar will be mailed to you in December.
 Have you previously or would you recommend this calendar to another producer? Circle one. Yes No 	Name:
• Which livestock type and approximately how many animals of each do your records represent?	Address:
records represent?	City, State and Zipcode:



Yes! Please send me the 2013 Mutrient Management Record Keeping Calendar right away!

Nutrient Management Record Keeping Calendar 57905 866 Road Concord, Nebraska 68728

Place Stamp Here

Additional Notes	2011-201

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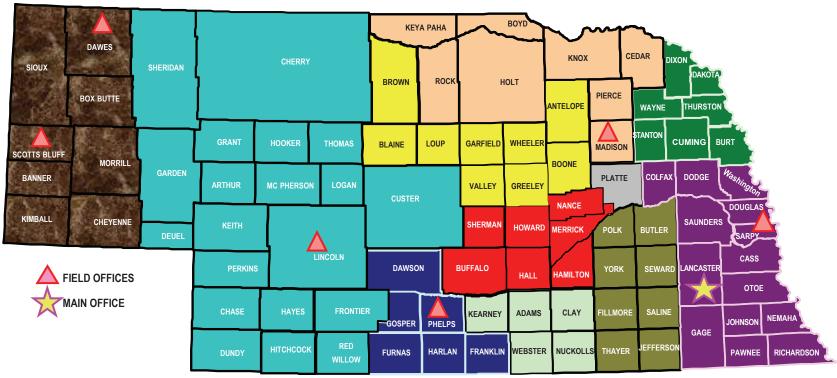
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Nebraska Department Of Environmental Quality
Forms and Guidance Documents can be found at:
http://www.deq.state.ne.us/



Department of Environmental Quality Livestock Waste Control Inspection Areas of Coverage





Dennis Heitmann, Agriculture Section Supervisor - (402) 471-4239								
FIELD OFFICES			PERMITS AN	ND COMPLIANCE UNIT	ENGINEERING SERVICES UNIT			
KEVIN STONER, SUPERVISOR (402) 471-4234			JON KENNING, SU	JPERVISOR (402) 471-0282	TOM TREWHITT, SUPERVISOR (402) 471-4255			
CHADRON HOLDREGE HOLDREGE NORFOLK N. PLATTE SCOTTS BLUFF OMAHA	DAVE CARLSON JERRY NEWTH RON WUNIBALD MICHAELE OLESON RICHARD REIMER KEITH SMITH VACANT	(308) 432-6110 (308) 995-3150 (308) 995-3944 (402) 370-4427 (308) 535-8142 (402) 633-0731	DEREK SCHREITER GARRET NEWCOMER KEITH SANDALL KEN LAMB MARK HENNING WAYLON HULLINGER	(402) 471-8132 (NORTHEAST) (402) 471-4280 (SOUTHCENTRAL) (402) 471-8131 (NORTHCENTRAL) (402) 471-4233 (PLATTE COUNTY) (402) 471-4221 (SOUTHEAST) (402) 471-6687 (CENTRAL)	DARWIN SCHULTZ, ENGINEER TERRY MCCARL, ENGINEER	(402) 471-4202 (402) 471-8137 (402) 471-8389		

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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