



Redwood County

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Animal Confinement Feedlot Conditional Use Permit Application

Proposed Location of Feedlot Operation:

Permit #: 12-21

Date: 7/28/21

Address: 2875a Ranch Ave
House # Street Name

City: Morgan

State: MN

Zip: 56266

Parcel #: 65-032-1020 Township: Sherman

Section: 32 Twp #: T-112-N Range: R-34-W

Information about the Operation:

General description of feedlot operation (including type and number of animal units, barns, and manure storage plan):

See insert

Legal Description of Proposed Feedlot Location:

10 acres in E 1/2 of NE 1/4 of Section 32

Site / Plan Information:

Zoning District:

Soil Type 1: L201A

Soil Type 2: ~~above ground / natural drainage~~

Water source for the site: Well

Drainage System: above ground / natural drainage

Estimated water use:

Animal 1

See insert

Animal Type:

0 gallons/day/animal x 0 number of animals on site x 0 number of days present = 0

Animal 2

Animal Type:

0 gallons/day/animal x 0 number of animals on site x 0 number of days present = 0 gallons/yr/site

Animal 3

Animal Type:

gallons/day/animal x number of animals on site x number of days present = 0 gallons/yr/site

Total Gallons: 655,925 gal/yr

Proposed Building(s) Information: (Please enter dimensions in feet)

Building 1: Width: 30' Length: 70'

Building 3: Width: Length:

Building 2: Width: Length:

Building 4: Width: Length:

Setback from road right-of-way: 398.0 feet

Setback from center line of road: 435.0 feet

Estimated date for beginning construction: _____

Estimated completion date: _____

General Contractor:

Name: _____ City: _____ State: MN

Applicant Information:

Note: If the applicant is not one natural person, requested information and signature(s) must be provided for each partner/associate/co-applicant and must include documentation of each co-applicant's legal identity and the legal relationship between them. Each partner/associate/co-applicant must sign or affirm the application before it will be accepted for consideration.

First Name: Andrew Last Name: Van Nurden

Business Name: _____

Address: 28752 Ranch Ave City: Morgan State: MN Zip: 56266

Home Phone: _____ Cell Phone: 507-363-1553 Email: advannurden@outlook.com

List any additional applicants: _____

Land Owner: Complete only if different from Applicant

First Name: _____ Last Name: _____

Business Name: _____

Address: _____ City: _____ State: MN Zip: _____

Home Phone: _____ Cell Phone: _____ Email: _____

If the applicant is not the owner of the land, please specify the type of agreement the applicant has with the owner of the land at the proposed site: _____

Feedlot Operator: Complete only if different from Applicant

If the operator is not a natural person(s), you must also provide documentation of the operator's legal identity.

First Name: _____ Last Name: _____

Business Name: _____

Address: _____ City: _____ State: MN Zip: _____

Home Phone: _____ Cell Phone: _____ Email: _____

I affirm that the forgoing information is true and accurate. I understand that if any portion of this information is false or materially misleading, any conditional use permit issued in reliance upon this information is voidable at the election of Redwood County.

Applicant(s) Signature(s): _____ Date: _____

Landowner Signature:  Date: 7-28-21

List of Required Documentation: (Application not complete until received)

- MPCA Application
- Manure Spreading Agreements
- Pit Design
- Manure Management Plan

Office Use Only * The section below is to be filled out by the Environmental Office Staff

Permit fee: \$700 Receipt #: 573487

Application Received: 7/28/21

Commission Action: _____ **County Board Action:** _____

Approved: _____ Date: _____ Approved: _____ Date: _____

Disapproved: _____ Date: _____ Disapproved: _____ Date: _____

General Description

- Farrow to Finish hog and Meat goat operations.
 - Hogs
 - 30x50' total confinement finishing barn, slated floor with 12x54x8' pit (200 finishing hogs)
 - 34x160' total confinement sow barn and nursery with slatted floor and 21x160x1.5' scrapper pit (145 sows and 450 hogs <55 lbs)
 - 41x124' confinement finishing barn, slated floor with 41x124x8' pit (800 finishing hogs)
 - Goats – deep bedded, temporary manure pile on site
 - 30x70' total confinement hoop shed (140 does and 110 kids)
 - 14x50' total confinement shed (50 kids)

Site/Plan Information

- Water Usage = **655,925 gal/year**
 - Sows: 5 gal/day/animal x 145 animals x 365 days = 264,625 gal
 - Finishing hogs: 1 gal/day/animal x 800 animals x 365 days = 292,000 gal
 - Piglets: .3 gal/day/animal x 400 animals x 365 days = 43,800 gal
 - Goats:
 - Does: 1.5 gal/day/animal x 120 animals x 365 days = 35,700 gal
 - Kids: .33 gal/day/animal x 200 animals x 300 days = 19,800 gal
-

Animal feedlot or manure storage area permit application

CSF and Interim Permit Program

Doc Type: Permit Application

Applicability: Use this form to obtain, modify, or extend the term of a construction short form (CSF) or interim permit.
Keep a copy of this application form and all submittals for your records.

After completing and signing this form, submit it and any required enclosures as instructed below:

For facilities located in a delegated county, send the signed form and any enclosures to the County Feedlot Officer (CFO). All other facilities must submit this form and any enclosures to the Minnesota Pollution Control Agency (MPCA) as follows:

- Scan and email the signed form and any enclosures to FeedlotSubmittal.pca@state.mn.us.
- If submission via email is not possible, you can mail the signed form and any enclosures to:

Attn: Feedlot Master File Staff
Minnesota Pollution Control Agency
7381 Airport View Drive SW
Rochester, MN 55902

I. Permit type and reason for application

Feedlot Registration Number: 127-60580

Please indicate which type of feedlot permit you are applying for (*choose only one*):

- Construction Short Form Interim (correcting a pollution hazard)

Please indicate the reason for the permit application (*choose only one*):

- New Permit
(No existing CSF or interim permit)
- Permit Modification
(Changes to sites with an existing CSF or interim permit)
- Permit Extension - Current CSF or Interim Permit number: _____
(Work not completed prior to permit expiration)

For extension requests only - Indicate below the reason(s) the work may not be completed prior to permit expiration

Estimated amount of time required to complete the work: _____ days months
 Note: The length of the extension is limited to 24 months for CSF permits and 90 days for interim permits

Note: When the notice to neighbors and property owners is required the content of the notice must include the date the original permit was issued and the new proposed completion date as well as the normally required information.

II. Owner's name(s) and address(es) - (All partners of a Limited Liability Partnership (LLP) must be listed.)

Primary owner – Will be used as the mailing address

Name: Andrew Van Nurden
 Address: 28752 Ranch Ave
 City: Morgan State: MN
 Phone: 507-363-1553 Zip: 56266
 Email: advannurden@outlook.com

Additional owner – attach additional sheets as necessary

Name: _____
 Address: _____
 City: _____ State: _____
 Phone: _____ Zip: _____
 Email: _____

Note: The term owner includes all persons having possession, control, or title to an animal feedlot or manure storage area (including lessees or renters). All owners must be listed. Attach to this application the names, addresses, and phone numbers of all additional owners.

III. Facility name and site address

Site Name: Home Farm
 Facility is a MN Ag Water Quality Certified Farm (MAWQCP)
 Complete if facility address is different than the primary owner address:
 Street: 28752 Ranch Ave
 City: Morgan State: MN
 Phone: 507-363-1553 Zip: 56266

Contact person for day-to-day activities

Name: Andrew Van Nurden
 Street: 28752 Ranch Ave
 City: Morgan State: MN
 Phone: 507-363-1553 Zip: 56266
 Cell phone: _____
 Email: advannurden@outlook.com
 (General letters/notices may be sent by email where one is indicated.)

IV. Facility location

County: Redwood Township name: Sherman

Township (26 – 71 or 101 – 168)	Range (1 – 51)	Section (1 – 36)	¼ Section (160 acre) (NW, NE, SW, SE)	¼ of ¼ Section (40 acre) (NW, NE, SW, SE)
T -112- N	R -34- W	32	NE	NE

V. Sensitive features

1. Is any part of the facility within 1,000 feet of any type of surface waters or tile intake? Yes No

If Yes, select all types below

- Lake River Stream (Perennial or Intermittent) Tile Intake
 Pond Creek Ditch Wetland Calcareous Fen Unknown

2. Is any part of the facility located within 300 feet of a river/stream? Yes No

3. Is any part of the facility located within a delineated flood plain (100 year flood)? Yes No

4. Is any part of the facility located within designated shoreland? Yes No

5. Is any part of the facility located within 1,000 feet of a karst feature? (sinkholes, caves, disappearing springs, resurgent springs, karst windows, dry valleys, or blind valleys) Yes No

If Yes, complete a. and b. below:

a. Are there 4 or more sinkholes within 1,000 feet? Yes No

b. Is any part of the facility within 300 feet of a known sinkhole? Yes No

6. Is any part of the facility located within 1,000 feet of the following types of wells: Yes No

If Yes, complete a. and b. below:

a. What is the shortest distance from a well to any animal holding area? _____ ft.

What is the shortest distance from a well to any manure storage area? _____ ft.

b. Indicate if the well is any of the following types:

- a community water supply well
 a well serving a public school as defined under Minn. Stat. § 120A.05
 a well serving a private school excluding home school sites
 a well serving a licensed child care center where the well is vulnerable (Minn. R. 4720.5550, subp. 2)

VI. Environmental Review (complete when construction or expansion is proposed)

Mandatory environmental review is required for the addition of 1,000 or more animal units (AU) at any facility. This threshold is reduced to 500 AU in "sensitive areas". The facility is within a sensitive area when any of the following apply.

- Any part of the facility is within a delineated floodplain (yes to question 3 above)
- Any part of the facility is within designated shoreland (yes to question 4 above)
- Any part of the facility is within 1,000 feet of a karst feature (yes to question 5 above)
- Any part of the facility is within a vulnerable drinking water supply management area
- Any part of the facility is within a federal, state, or local wild and scenic river district
- Any part of the facility is located within the Minnesota River Project Riverbend area or the Mississippi headwaters area

Additionally mandatory environmental review is required for "Phased actions". Phased actions are two or more projects located in the same geographic area and constructed within three years of each other by the same proposer. When this is the case, the animal units from all projects are combined to determine if environmental review is required.

Do you have ownership interest in another livestock operation that was constructed/expanded within the past three years or are you substantially certain you will be constructing/expanding another livestock operation within the next three years?

Yes No

If Yes, how far away (straight-line distance) is it located from the project proposed in this application? _____ miles

There are also rule provisions to require completion of the environmental review process in the event of a citizen petition or upon the discretion of the MPCA. Please see the MPCA fact sheet entitled "When is Environmental Review Required for Feedlots" (available on the MPCA website at <https://www.pca.state.mn.us/quick-links/environmental-review> and/or Minn. R. 4410 for further details.

VII. Animal numbers and animal unit (AU) calculation

Complete the table below to identify the **maximum** number of animals housed at that facility. All animal numbers and animal sizes used to complete this table should reflect the animal holding **capacity** of the facility even if the facility does not currently house or propose to house that number of animals. At no time is the number of animals at the facility allowed to exceed the capacity provided below without first obtaining a permit or permit modification.

Current Capacity - List the current head count **capacity** for each animal type in column 3 below. For sites with a permit, this should match the currently permitted number of animals. Next, multiply the AU Factor in column 2 by the number of animals listed in column 3 to get the *Current AU Capacity* for each animal type (column 4). Finally, add together all AU's in column 4 to get a total at the bottom of the chart. *If this application is for a brand-new feedlot site leave columns 3 and 4 blank. (ie. bare piece of ground)*

Final Capacity - List the final head count **capacity** for each animal type in column 5 below. This number should include current animals plus or minus any expansion or reduction in each animal type. This should reflect the maximum AU capacity requested with this permit application. Next, multiply the AU Factor in column 2 by the number of animals listed in column 5 to get the *Final AU Capacity* for each animal type (column 6). Finally, add together all AU's in column 6 to get a total at the bottom of the chart.

1. Animal type	2. Animal unit factor	Current facility capacity		Final facility capacity (Current +/- Changes)	
		3. Head count	4. Animal units = column 2 x column 3	5. Head count	6. Animal units = column 2 x column 5
A. Dairy cattle					
Mature cow (milked or dry) over 1,000 lbs.	1.4				
Mature cow (milked or dry) under 1,000 lbs.	1.0				
Heifer	0.7				
Calf	0.2				
B. Veal					
Veal	0.2				
C. Beef cattle					
Slaughter steer/heifer, stock cow, or bull	1.0				
Feeder cattle (stocker or backgrounding), heifer	0.7				
Cow and calf pair	1.2				
Calf (weaned)	0.2				
D. Swine					
Over 300 lbs.	0.4	145	58		
Between 55 and 300 lbs.	0.3	1000	300		
Under 55 lbs.	0.05	450	22.50		
E. Horses					
Horse	1.0				
F. Sheep					
Sheep or Lamb	0.1				
G. Chickens with a liquid manure system					
Layer Hens or Broilers	0.033				
H. Chickens with a dry manure system					
Broilers over 5 lbs.	0.005				
Broilers under 5 lbs.	0.003				
Layer Hens over 5 lbs.	0.005				
Layer Hens under 5 lbs.	0.003				
I. Turkeys					
Over 5 lbs.	0.018				
Under 5 lbs.	0.005				
J. Ducks					
Duck (with a liquid manure handling system)	0.01				
Duck (with a dry manure handling system)	0.01				
K. Animals not listed in A to J (AU factor in column 2 = average weight of the animal type divided by 1,000 lbs.)					
Animal type: Goats	0.15	20	3	140	21
Total animal unit capacity			Current AU capacity		Final AU capacity
Add all numbers in column 4 for Current AU total			383.5		404.5
Add all numbers in column 6 for Final AU total					

VIII. Animal holding areas

Do any animals at the facility have access to pasture? Yes No

Complete the table below for the following animal holding areas. If needed, continue your list on an additional copy of this page.

- Total confinement barn with underfloor pit** - A barn where animals cannot access an outdoor area and liquid manure enters storage directly beneath the floor. This includes "shallow pits" or "pull plugs".
- Total confinement barn** - A barn where animals cannot access an outdoor area.
- Partial confinement barn** - A barn where animals can directly access an outdoor area (ie. associated open lot).
- Open lot** - An uncovered area where animals are housed outdoors.
- Individual animal housing area** - A structure that houses only one animal at a time (ie. calf huts/hutches).
- Working-Sorting-Hospital area** - A structure or area, covered or uncovered, where animals temporarily enter during load-out or load-in events or when additional care is needed to address medical issues with the animal.
- Milk parlor-Holding area** - A structure or area where animals temporarily enter prior to or during milking.

List each animal holding area in a separate column

Use the far right column for non-rectangular holding areas

Animal holding area ID	1	2	3	4	5	6
Facility Site Sketch ID (i.e., #1, A, Barn 1)						Non-Rectangular
Status: (check one box only)						
Proposed - not permitted previously or permitted but not yet operational	<input type="checkbox"/> Proposed	<input type="checkbox"/> Proposed	<input type="checkbox"/> Proposed	<input type="checkbox"/> Proposed	<input checked="" type="checkbox"/> Proposed	<input type="checkbox"/> Proposed
Existing - current operational component	<input checked="" type="checkbox"/> Existing	<input checked="" type="checkbox"/> Existing	<input checked="" type="checkbox"/> Existing	<input checked="" type="checkbox"/> Existing	<input type="checkbox"/> Existing	<input type="checkbox"/> Existing
	<input type="checkbox"/> Eliminating	<input type="checkbox"/> Eliminating	<input type="checkbox"/> Eliminating	<input type="checkbox"/> Eliminating	<input type="checkbox"/> Eliminating	<input checked="" type="checkbox"/> Eliminating

List approximate holding area dimensions in feet

(If non-rectangular, use the far right column and list surface area)

Type of animal holding areas	Length X Width	Length X Width	Length X Width	Length X Width	Length X Width	Non-Rectangular (Surface Area)
Total confinement barn with underfloor pit	50 X 30	160 X 34	124 X 41	X	X	2304 sq. ft
Underfloor pit maximum depth (ft)	Pit Depth: 8	Pit Depth: 1	Pit Depth: 8	Pit Depth:	Pit Depth:	Pit Depth: 8
Underfloor pit volume (gal)	36000 gal	37700 gal	304000 gal	gal	gal	137880 gal
Total confinement barn	X	X	X	14 X 50	30 X 70	sq. ft
Partial confinement barn	X	X	X	X	X	sq. ft
Associated open lot dimensions (list area for non-rectangular lots)	X sq. ft	X sq. ft	X sq. ft	X sq. ft	X sq. ft	X sq. ft
Open lot	X	X	X	X	X	sq. ft
Individual animal housing area (ie calf huts/hutches that house one animal)	X	X	X	X	X	sq. ft
	Quantity:	Quantity:	Quantity:	Quantity:	Quantity:	Quantity:
Working-Sorting-Hospital area	X	X	X	X	X	sq. ft
Milk parlor-Holding area	X	X	X	X	X	sq. ft
Other buildings for animal husbandry	X	X	X	X	X	sq. ft

Indicate the maximum capacity (number of animals) of each animal holding area

The total number of all animals listed should match the final animal numbers listed on page 3.

Animal numbers					
Mature dairy cows (over 1,000 lbs.)					
Mature dairy cows (under 1,000 lbs.)					
Dairy heifers					
Dairy calves					
Veal					
Slaughter steer/heifer, stock cow or bull					
Feeder cattle-stocker/background/heifer					
Cow and calf pair					
Beef calves (weaned)					
Swine over 300 lbs.		145			
Swine between 55 and 300 lbs.	200		800		
Swine under 55 lbs.		450			
Horses					
Sheep or lamb					
All chickens with liquid manure system					
Broiler chickens over 5 lbs. - dry system					
Broiler chickens under 5 lbs. - dry system					
Laying hens over 5 lbs. - dry system					
Laying hens under 5 lbs. - dry system					
Turkeys - over 5 lbs.					
Turkeys - under 5 lbs.					
Other: Goats				20	140

IX. Liquid Manure Storage Areas (LMSA)

Complete the table below for all your LMSAs based upon liner type. If needed, continue your list on an additional copy of this page.

Additional Instructions:

1. **Do not list below barn LMSAs in this table** – This information has been captured in the animal holding areas table.
2. LMSAs with more than one liner type - List this LMSA in the category that represents the sidewall primary liner type.
For example: a LMSA with a concrete floor and earthen sidewalls should be listed in the LMSA - Earthen category.
3. LMSAs with dual liners, which is a primary liner underlain by a secondary liner (typically only in karst susceptible areas) - List the LMSA in the category that represents the primary liner; which is, the liner in direct contact with the manure.
For example: a HDPE plastic lined LMSA underlain by a compacted clay liner should be listed in the LMSA - Synthetic category.
4. Use the two right columns for circular and other non-rectangular shapes.

LMSA ID	List each LMSA in a separate column					Circular	Non-Rectangular
Facility Site Sketch ID							
Status: (check only one) See animal holding area table for definitions	<input type="checkbox"/> Proposed <input type="checkbox"/> Existing <input type="checkbox"/> Eliminating	<input type="checkbox"/> Proposed <input type="checkbox"/> Existing <input type="checkbox"/> Eliminating	<input type="checkbox"/> Proposed <input type="checkbox"/> Existing <input type="checkbox"/> Eliminating	<input type="checkbox"/> Proposed <input type="checkbox"/> Existing <input type="checkbox"/> Eliminating	<input type="checkbox"/> Proposed <input type="checkbox"/> Existing <input type="checkbox"/> Eliminating	<input type="checkbox"/> Proposed <input type="checkbox"/> Existing <input type="checkbox"/> Eliminating	<input type="checkbox"/> Proposed <input type="checkbox"/> Existing <input type="checkbox"/> Eliminating

Type of LMSA Liner <i>Do not list below barn LMSAs</i>	List approximate LMSA dimensions in feet <i>(If non-rectangular, use the appropriate column and list diameter or surface area)</i>						Non-Rectangular (Surface Area)
	Length X Width	Length X Width	Length X Width	Length X Width	Length X Width	Circular	
LMSA - Earthen Maximum depth (ft)	X Depth:	X Depth:	X Depth:	X Depth:	X Depth:	Diameter: Depth:	sq. ft Depth:
LMSA - Concrete Maximum depth (ft)	X Depth:	X Depth:	X Depth:	X Depth:	X Depth:	Diameter: Depth:	sq. ft Depth:
LMSA - Synthetic ^a Maximum depth (ft)	X Depth:	X Depth:	X Depth:	X Depth:	X Depth:	Diameter: Depth:	sq. ft Depth:
LMSA - GCL ^b Maximum depth (ft)	X Depth:	X Depth:	X Depth:	X Depth:	X Depth:	Diameter: Depth:	sq. ft Depth:
LMSA - Steel tank ^c Maximum depth (ft)	X Depth:	X Depth:	X Depth:	X Depth:	X Depth:	Diameter: Depth:	sq. ft Depth:
LMSA - Other Maximum depth (ft)	X Depth:	X Depth:	X Depth:	X Depth:	X Depth:	Diameter: Depth:	sq. ft Depth:

List the LMSA volume in gallons

Volume of LMSA (gal)							

- Synthetic liners include all plastic or rubber liners (HDPE, EPDM, LDPE, LLDPE, PVC, etc.).
- GCL refers to all types of geosynthetic clay liners where bentonite clay is confined between two synthetic membranes (ie. bentomat®).
- Steel tank refers to above ground steel tanks including those with concrete floors (ie. slurrystore®).

X. Other Facility Components

Complete the table below for the following facility components. If needed, continue your list on an additional copy of this page.

1. **Permanent Stockpile** - An area where solid manure is stored or processed. Do not list temporary stockpiles
2. **Feed Storage Area** - Areas where any type of feed is stored in outdoor piles/bunkers, including those covered with plastic.
DO NOT list vertical silos, grain bins, commodity sheds, or other totally enclosed structures.
3. **Mortality Compost Area** - **ONLY** list mortality management areas that compost dead animals with litter or manure.
4. **Vegetated Infiltration Area (VTA)** - A vegetated area with berms on all sides so that liquid can only leave via infiltration into the soil.
5. **Filter-Buffer Strip** - A vegetated area where liquid flows over a grassed area and is allowed to leave the area via surface flow.

List each component in a separate column

Component ID	Use the two far right columns for non-rectangular shapes					Non-Rectangular	Non-Rectangular
Facility Site Sketch ID		7			8		
Status: (check only one) See animal holding area table for definitions	<input type="checkbox"/> Proposed <input type="checkbox"/> Existing <input type="checkbox"/> Eliminating	<input type="checkbox"/> Proposed <input checked="" type="checkbox"/> Existing <input type="checkbox"/> Eliminating	<input type="checkbox"/> Proposed <input type="checkbox"/> Existing <input type="checkbox"/> Eliminating	<input type="checkbox"/> Proposed <input type="checkbox"/> Existing <input type="checkbox"/> Eliminating	<input checked="" type="checkbox"/> Proposed <input type="checkbox"/> Existing <input type="checkbox"/> Eliminating	<input type="checkbox"/> Proposed <input type="checkbox"/> Existing <input type="checkbox"/> Eliminating	<input type="checkbox"/> Proposed <input type="checkbox"/> Existing <input type="checkbox"/> Eliminating

List approximate component dimensions in feet

(If non-rectangular, use one of the two far right columns and list surface area)

Type of Component	Length X Width	Length X Width	Length X Width	Length X Width	Length X Width	Non-Rectangular	Non-Rectangular
Permanent Stockpile	X	X	X	X	X	sq. ft	sq. ft
Feed Storage Area	X	X	X	X	40 X 80	sq. ft	sq. ft
Mortality Compost Area	X	20 X 40	X	X	X	sq. ft	sq. ft
Infiltration Area (VTA)	X	X	X	X	X	sq. ft	sq. ft
Filter-Buffer Strip	X	X	X	X	X	sq. ft	sq. ft

XI. Construction stormwater (CSW) requirements (complete only if construction is proposed)

When construction activities are proposed, indicate the expected acreage of soil disturbance: 0.75 acres

Construction at the facility disturbs one acre or more but less than 5 acres must comply with the requirements of the CSW NPDES general permit, unless a separate application is made for a CSW permit.

Prior to construction at the facility that disturbs 5 or more acres an application for a CSW permit is required.

XII. Notifications and public meetings

The notifications and public meetings below are required to be done **before** permit issuance.

A. Notification to local zoning officials

When required. This notification is required in *either* of the following situations:

- **Construction of a new** feedlot, or manure storage area (i.e. new site) of any AU capacity.
- **Expansion of an existing** feedlot, or manure storage area of any AU capacity.

Notification methods. The applicant must provide notification of the construction or expansion to all local zoning authorities, including county, town, and city zoning authorities, at least 30 days prior to commencement of the construction or expansion. This notification *must* include, at a minimum, the information provided in Minn. R. 7020.2000, subp.4.,A (1) (a) (i to v).

An example notification can be found in the factsheet [Public Notification Requirements – Feedlots](https://www.pca.state.mn.us/feedlots) available on the MPCA website at <https://www.pca.state.mn.us/feedlots>.

B. Notice to residents and property owners within 5,000 feet of a proposed project

When required. This notice is required in *either* of the following situations:

- **Construction of a new** feedlot, or manure storage area, which will have a capacity of 500 AU or more (i.e. new site).
- **Expansion of an existing** feedlot, or manure storage area, which currently has, or will have upon completion of the expansion, a capacity of 500 AU or more.

Notice methods. The owner shall not less than 20 business days before the anticipated issuance date of the permit, provide notice to each resident and each owner of real property within 5,000 feet of the perimeter of the proposed facility. This notice *must* include, at a minimum, the information provided in Minn. R. 7020.2000, subp.4.

An example notice can be found in the factsheet [Public Notification Requirements – Feedlots](https://www.pca.state.mn.us/feedlots) available on the MPCA website at <https://www.pca.state.mn.us/feedlots>.

Verification of notice.

The MPCA must verify that this notice has been completed prior to permit issuance.

Please include with this permit application one of the following options that provides verification that the required notice has been completed:

- An affidavit of publication from a newspaper of general circulation used to provide this notification.
- A list of all parties, with their location, that were notified by certified mail and copies of all signed mail return receipts.
- A list of all parties, with their location, that were personally visited with a date and signature from each party and certification signed by a notary public indicating in detail what was discussed.

C. Non-delegated county public meeting minutes (Minn. Stat. § 116.07, subd. 7(l))

A county which has not accepted delegation of the feedlot program must hold a public meeting prior to issuance of a feedlot permit by the MPCA for an animal feedlot with a capacity of 300 or more animal units.

Date meeting has occurred or is scheduled to occur: 8/31/2021

Verification of public meeting.

A copy of the meeting minutes must be provided to the MPCA for verification of completion of this requirement prior to permit issuance.

XIII. Certifications and signature

Notification to local officials

The Applicant certifies that, if the application includes construction of a new facility or expansion of an existing facility, all local zoning authorities have been notified in accordance with Minn. R. 7020.2000 subp. 5.

Construction Stormwater (CSW) Requirements

The Applicant certifies that, if construction will disturb 5 or more acres, they have made a separate application for a CSW permit. For construction activities that disturb at least 1 acre but less than 5 acres, the Applicant certifies to comply with the requirements of the current CSW NPDES general permit (Minn. R. 7090.2020 provides permit coverage without the need for an application).

Need for NPDES or SDS permit

If the MPCA determines that a NPDES or SDS permit is required, the Applicant certifies that this application will serve as an application for a NPDES or SDS permit, as appropriate. The Applicant agrees to submit additional information, as requested by the MPCA, in order to complete the NPDES or SDS permit application process including payment of the permit application fee.

Applicant Signature

I hereby certify that the design, construction, and operation of the facility will be in accordance with this application and plans, specifications, reports, and related communications approved by the MPCA, and in accordance with applicable permit conditions or regulations/standards of the MPCA. I also certify under penalty of law that this document and all attachments were prepared under my direction or supervision and the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

The person that signs this application must be one of the following:

- A. For a corporation, a principal executive officer of at least the level of vice president
- B. For a partnership, a general partner
- C. For a sole proprietorship, the proprietor

By typing/signing my name below, I certify the above statements to be true and correct, to the best of my knowledge, and that this information can be used for the purpose of processing this form.

Signature: Andrew Van Nurden Title: Owner
(This document has been electronically signed.) Date (mm/dd/yyyy): 7/27/2021
Office phone: 507-363-1553 Cell phone: 507-363-1553

To sign up for electronic communications including the MPCA feedlot newsletters, please go to the MPCA website at <https://public.govdelivery.com/accounts/MNPCA/subscriber/new>.

Required enclosures (Permit applications submitted without all required enclosures are incomplete.)

All forms are available on the [CSF & Interim permits](https://www.pca.state.mn.us/feedlots) page of the MPCA feedlot program website at: <https://www.pca.state.mn.us/feedlots>

- A. A site sketch/aerial photograph indicating the location of the existing and proposed facility components.
- B. A Manure/Nutrient Management Plan (MMP) – The following are optional forms to assist with MMP development:

When **all** manure is transferred to another entity for utilization, complete a MMP using the form:

[MMP requirements when ownership of manure is transferred.](#)

When **any** portion of manure is applied to land owned, rented, or leased by the applicant(s), or applied to other land where nutrient application decisions are made by the applicant(s), complete a MMP using the spreadsheet form:

[MPCA Manure Management Planner.](#)

Notes: The MMP requirements when ownership of manure is transferred form is incorporated into the spreadsheet to account for instances when only some of the manure is transferred.

- C. Plans and Specifications for construction, modification, or expansion of any of the following:
 - Liquid manure storage area
 - Vegetative infiltration area (VTA)
 - Permanent manure stockpile
 - Filter-Buffer strip
- D. Environmental Assessment Worksheet (EAW) Fee. When environmental review is required **and** the site is located in a non-delegated county, there is a fee of \$4,650 for processing of an Environmental Assessment Worksheet (EAW). The fee must be included with this permit application. (**Check payable to:** Minnesota Pollution Control Agency)
- E. Verification of the notifications required in part XII of this application. If not submitted with the application, the MPCA must receive the verification prior to permit issuance. It is strongly recommended that the applicable verifications be included with the permit application.

Land application records for feedlots with 300 or more animal units

Feedlot Program

Doc Type: Management Plan/Report

Instructions for completing this form are available at: <http://www.pca.state.mn.us/feedlots>.

Note: Additional records are required for short-term stockpiling and NPDES/SDS permitted sites. An alternative recordkeeping form that can be used when manure ownership is transferred is available at: <http://www.pca.state.mn.us/feedlots>.

Note: The electronic records form found in the [MPCA manure management planner](http://www.pca.state.mn.us/feedlots) can be used in place of this form. It is available at: <http://www.pca.state.mn.us/feedlots>.

Cropping year: **September 1, 2021** to **August 31, 2022** Cropland manager's name: Andrew Van Nurden Registration number: 127-60580
 Name of facility where manure generated: Home Farm License no.: 20189395
 Licensed commercial animal waste technician name (if used): TMT Green Acres Inc.

Manure analysis results (In the spaces provided, enter the most recent analysis alone or as part of a running average – entries must represent manure applied.)

Manure source 1: Hog Facilities Date last analyzed: _____
 N: 47 P₂O₅: 16 K₂O: 31 Units: lb/ton lb/1000 gal. N: 18 P₂O₅: 11 K₂O: 26 Units: lb/ton lb/1000 gal.

Manure source 3: Date last analyzed: _____
 N: _____ P₂O₅: _____ K₂O: _____ Units: lb/ton lb/1000 gal.

Field ID	Acres actually used	Soil testing information (Test required every 4 yrs)			Crop information		Manure application information			Nitrogen application rate (lb N/ac)				P application rate (lb P ₂ O ₅ /ac)							
		Year of most recent test	Soil test phosphorus field average	Organic matter	Crop grown to utilize the nutrients applied	Crop most recently harvested	Expected yield (crop receiving manure)	N Needs (lb/ac) (removal for legumes)	P ₂ O ₅ Needs (lb/ac) (based on soil test data)	Manure source (1-8)	Dates of application	Application rate per acre	Method of application and incorporation	Fertilizer N applied + Irrigation water N	Carry-over N	Last year's manure	Manure N this year's	Total available N (N1 + N2 + N3)	Fertilizer P applied	Manure P this year's	Total available P this year
Example	40	2015	55	Olsen	Low	Corn	Soybeans	200	180	0	1	Nov 2016	3000	Knife Injection	5	0	177	182	5	50	55
NE Home 69	36	2020	9	Bray	Med/High	Corn	Soybeans	220	170	80	1	Oct 2021	3000	Sweep Injection	0	0	141	141	0	48	48
NE Home 69	33	2020	9	Bray	Med/High	Corn	Soybeans	220	170	80	1	Apr 2022	3000	Sweep Injection	0	0	141	141	0	48	48
S Friedrichs 79	40	2020	15	Olsen	Med/High	Corn	Soybeans	220	170	80	2	April 2022	4 Ton	Surface <12 hr Incorpor	0	0	72	72	0	44	44

Land application records for feedlots with 300 or more animal units - Continued

Manure analysis results: (If more than 4 manure sources)

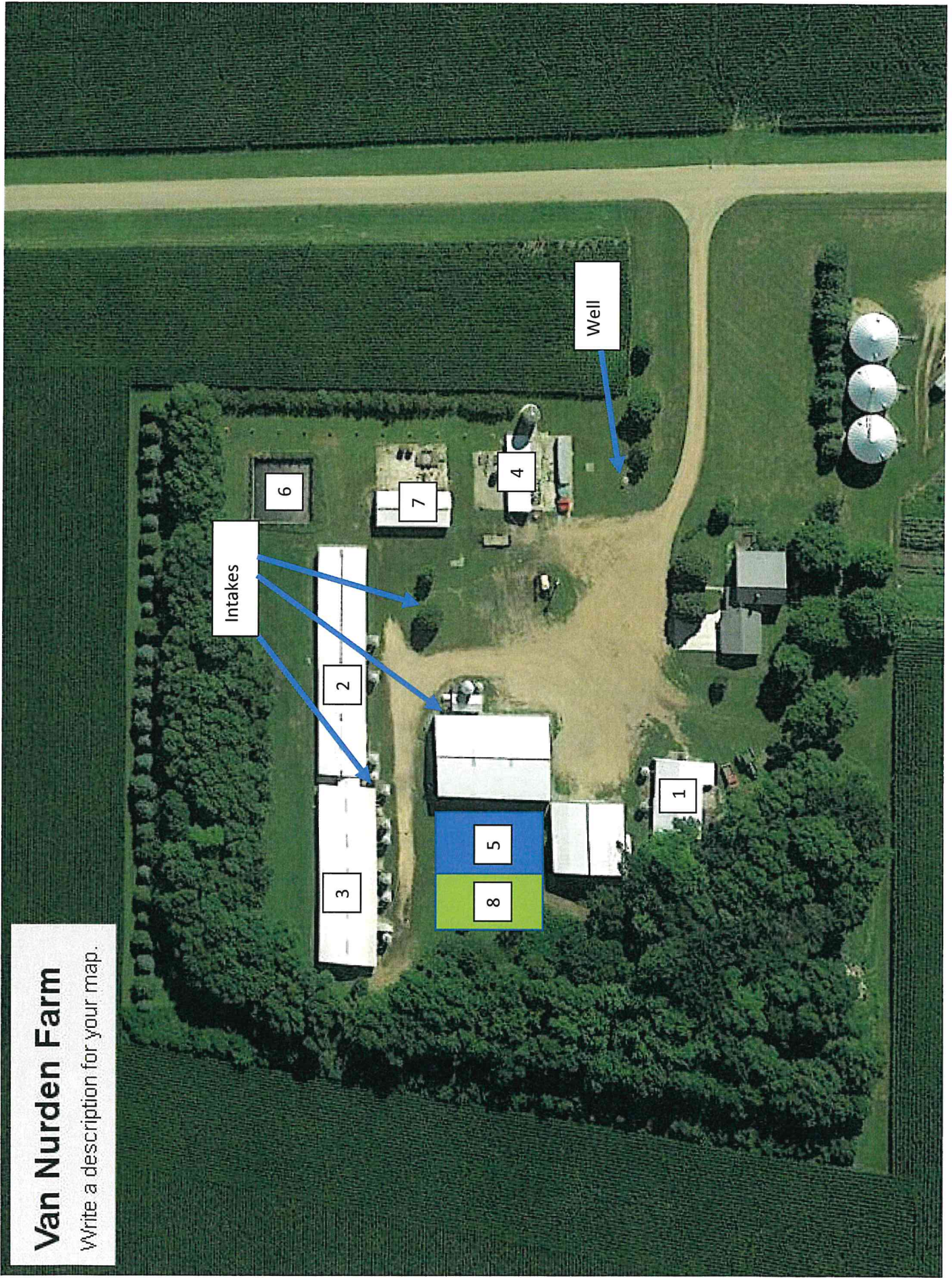
Manure source 5: _____ Date last analyzed: _____ Manure source 6: _____ Date last analyzed: _____
 N: _____ P₂O₅: _____ K₂O: _____ Units: lb/ton lb/1000 gal. N: _____ P₂O₅: _____ K₂O: _____ Units: lb/ton lb/1000 gal.

Manure source 7: _____ Date last analyzed: _____ Manure source 8: _____ Date last analyzed: _____
 N: _____ P₂O₅: _____ K₂O: _____ Units: lb/ton lb/1000 gal. N: _____ P₂O₅: _____ K₂O: _____ Units: lb/ton lb/1000 gal.

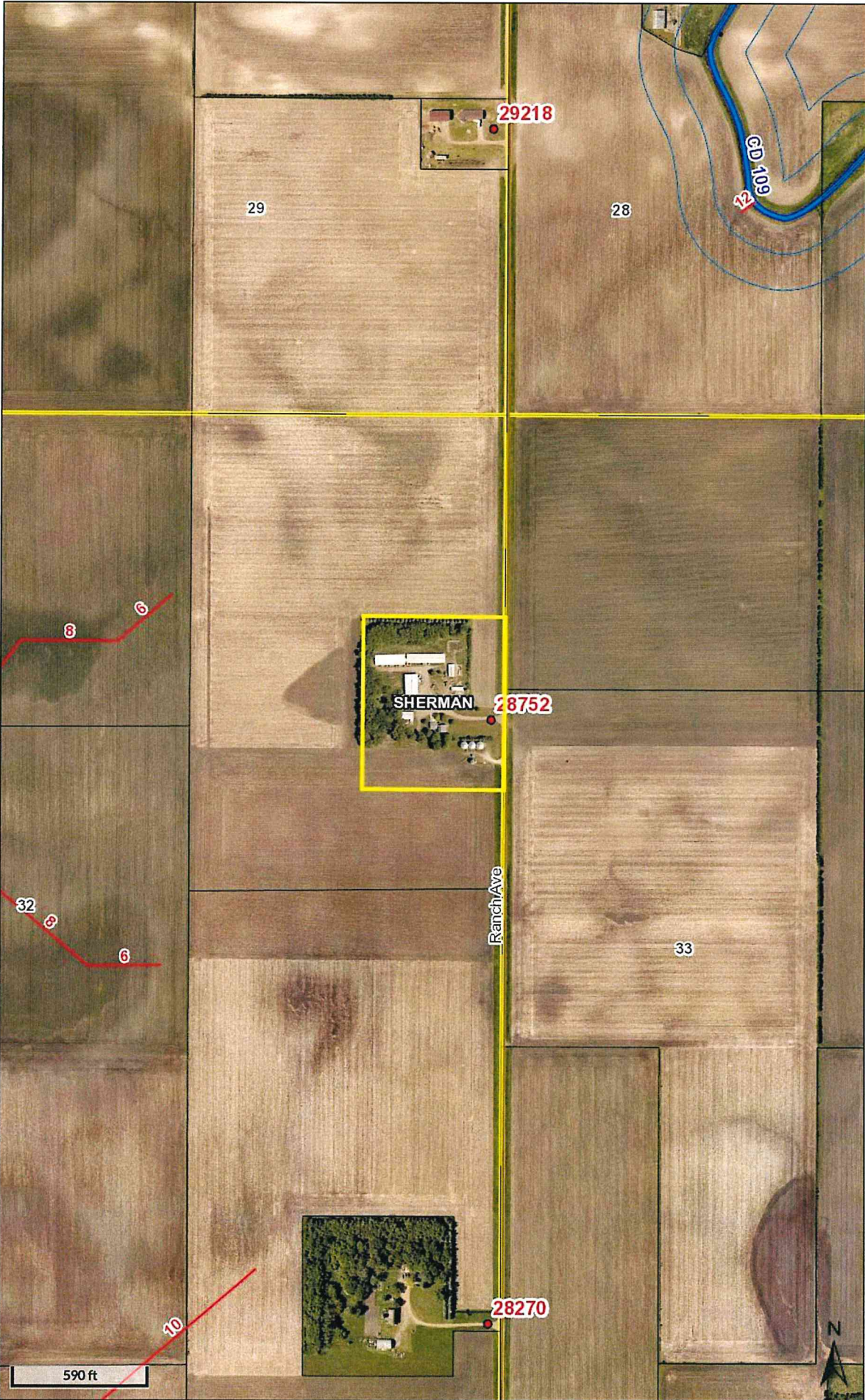
Field information	Soil testing information (Test required every 4 yrs)			Crop information			Manure application information				Nitrogen application rate (lb N/ac)				P application rate (lb P ₂ O ₅ /ac)						
	Year of most recent test	Soil test phosphorus field average <small>Bray or Olsen</small> / <small>Med/High or Low</small>	Organic matter	Crop grown	Crop grown to utilize the nutrients applied	Crop most recently harvested	Expected yield (crop receiving manure)	N Needs (lb/ac) (removal for legumes)	P ₂ O ₅ Needs (lb/ac) (based on soil test data)	Manure source (1-8)	Dates of application	Application rate per acre	Method of application and incorporation	Fertilizer N applied + Irrigation water N (N1)	Carry-over N Last year's manure (N2)	Manure N this year's (N3)	Total available N (N1 + N2 + N3)	Fertilizer P applied	Manure P this year's	Total available P this year	
Example	2015	55	Olsen	Low	Corn	Soybeans	200	180	0	1	Nov 2016	3000	Knife Injection	5	0	177	182	5	50	55	

Van Nurden Farm

Write a description for your map.



VAN NURDEN AREA MAP



- Legend**
- Municipal Boundaries
 - Sections
 - Surrounding Counties
 - Townships
 - Open Ditch
 - Drain Tile
 - Lakes
 - Rivers
 - Address Points
 - Parcels
- Shoreland**
- <all other values>
 - 150 ft
 - 300 ft
 - 300 ft L W
 - 1000 ft
- Floodplain**
- Floodplain
 - Floodplain
- Major Roads**
- County/Twp/City
 - State/Federal
 - County
 - Minor Roads

OFFSET Summary and Results

OFFSET Ver 2.0
University of Minnesota
1/21/2017

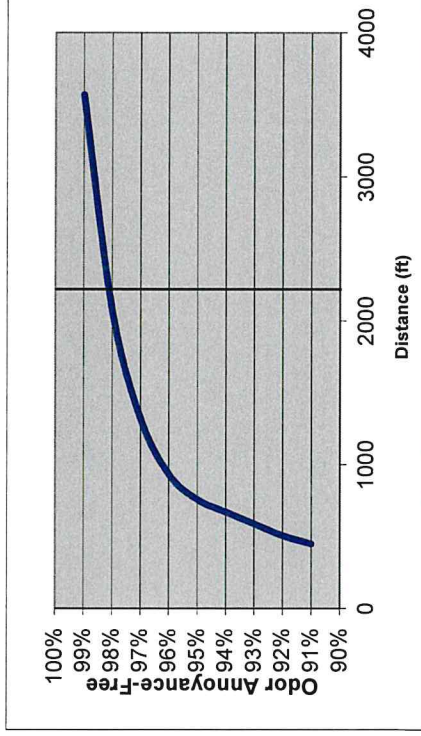
Farm Name	Van Nurdén
County	to Legare
Evaluator	NWB
Date	8/24/21

Source Characteristics Summary				Flux Rates (with control technology)				Source Emission Rates*					
Similar Sources	Emit Area sq ft	Control Technology Type	Percent Treated	Odor oul/s/m2	OFFSET OER	H2S ug/s/m2	Ammonia ug/s/m2	Odor oul/s	H2S ug/s	Ammonia ug/s			
Buildings													
Swine Finishing - deep pit	1	1500	None	0%	10.5	34.2	6.0	99.0	1464	837	13803		
Swine Finishing - deep pit	1	5084	None	0%	10.5	34	6.0	99.0	4962	2835	46784		
Swine Farrowing - pull plug	1	5440	None	0%	4.2	14	1.1	9.0	2124	556	4551		
Area Sources													
Earthen manure storage	0	None		14.0	13	25.3	107.0	0	0	0			
User added	0	None		0.0	0.0	0.0	0.0	0	0	0			

*includes control technologies

Site Emissions	
Total Site Area (ft2)	12,024
Total Odor Emission Factor (TOEF)	30
Total Site H2S Emissions (mg/s)	4
Total Site H2S Emission AVERAGE (lbs/day)	1
Total Site H2S Emission MAX (lbs/day)	2
Total Site H2S Emissions (tons/yr)	0
Total Site Ammonia Emissions (mg/s)	65
Total Site Ammonia Emission AVERAGE (lbs/day)	12
Total Site Ammonia Emissions MAX (lbs/day)	25
Total Site Ammonia Emissions (tons/yr)	2

Source Edge to Nearest Neighbor (ft)	2220
OFFSET Annoyance-free frequency	98%



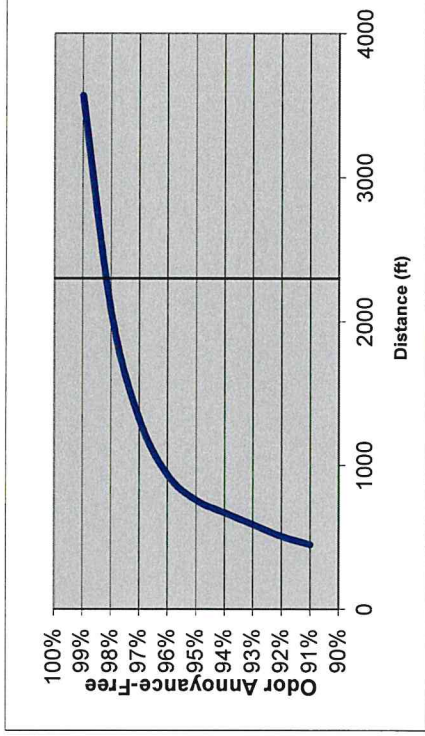
OFFSET Summary and Results

OFFSET Ver 2.0
University of Minnesota
1/21/2017

Farm Name	Van Nurdén
County	to Stelzer
Evaluator	NWB
Date	8/24/21

Source Characteristics Summary							Flux Rates (with control technology)				Source Emission Rates*		
Similar Sources	Emit Area sq ft	Control Technology Type	Percent Treated	Odor ou/s/m2	OFFSET OER	H2S ug/s/m2	Ammonia ug/s/m2	Odor ou/s	H2S ug/s	Ammonia ug/s			
Buildings													
Swine Finishing - deep pit	1500	None	0%	10.5	34.2	6.0	99.0	1464	837	13803			
Swine Finishing - deep pit	5084	None	0%	10.5	34	6.0	99.0	4962	2835	46784			
Swine Farrowing - pull plug	5440	None	0%	4.2	14	1.1	9.0	2124	556	4551			
Area Sources													
Earthen manure storage	0	None		14.0	13	25.3	107.0	0	0	0			
User added	0	None		0.0	0.0	0.0	0.0	0	0	0			

*includes control technologies



Site Emissions	
Total Site Area (ft2)	12,024
Total Odor Emission Factor (TOEF)	30
Total Site H2S Emissions (mg/s)	4
Total Site H2S Emission AVERAGE (lbs/day)	1
Total Site H2S Emission MAX (lbs/day)	2
Total Site H2S Emissions (tons/yr)	0
Total Site Ammonia Emissions (mg/s)	65
Total Site Ammonia Emission AVERAGE (lbs/day)	12
Total Site Ammonia Emissions MAX (lbs/day)	25
Total Site Ammonia Emissions (tons/yr)	2

Source Edge to Nearest Neighbor (ft)	2300
OFFSET / Annoyance-free frequency	98%

OFFSET Summary and Results

OFFSET Ver 2.0
University of Minnesota
1/21/2017

Farm Name	Van Nurden
County	to Billmeier
Evaluator	NWB
Date	8/24/21

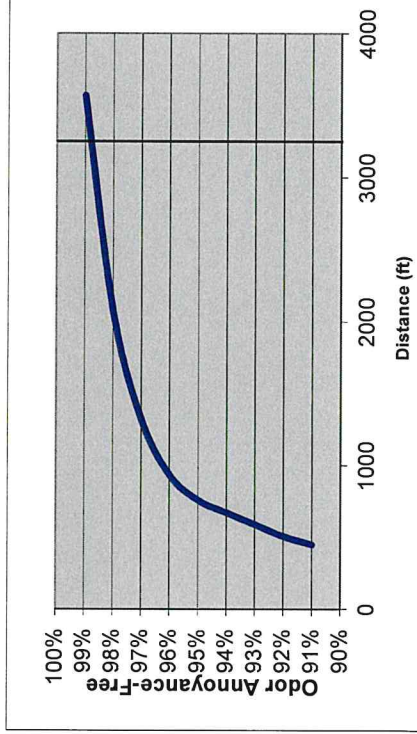
Source Characteristics Summary

	Similar Sources	Emit Area sq ft	Control Technology Type	Percent Treated	Flux Rates (with control technology)				Source Emission Rates*		
					Odor ou/s/m2	OFFSET OER	H2S ug/s/m2	Ammonia ug/s/m2	Odor ou/s	H2S ug/s	Ammonia ug/s
Buildings											
Swine Finishing - deep pit	1	1500	None	0%	10.5	34.2	6.0	99.0	1464	837	13803
Swine Finishing - deep pit	1	5084	None	0%	10.5	34	6.0	99.0	4962	2835	46784
Swine Farrowing - pull plug	1	5440	None	0%	4.2	14	1.1	9.0	2124	556	4551
Area Sources											
Earthen manure storage		0	None		14.0	13	25.3	107.0	0	0	0
User added		0	None		0.0	0.0	0.0	0.0	0	0	0

*includes control technologies

Site Emissions	
Total Site Area (ft2)	12,024
Total Odor Emission Factor (TOEF)	30
Total Site H2S Emissions (mg/s)	4
Total Site H2S Emission AVERAGE (lbs/day)	1
Total Site H2S Emission MAX (lbs/day)	2
Total Site H2S Emissions (tons/yr)	0
Total Site Ammonia Emissions (mg/s)	65
Total Site Ammonia Emission AVERAGE (lbs/day)	12
Total Site Ammonia Emissions MAX (lbs/day)	25
Total Site Ammonia Emissions (tons/yr)	2

Source Edge to Nearest Neighbor (ft)	3250
OFFSET Annoyance-free frequency	99%



OFFSET Summary and Results

OFFSET Ver 2.0
University of Minnesota
1/21/2017

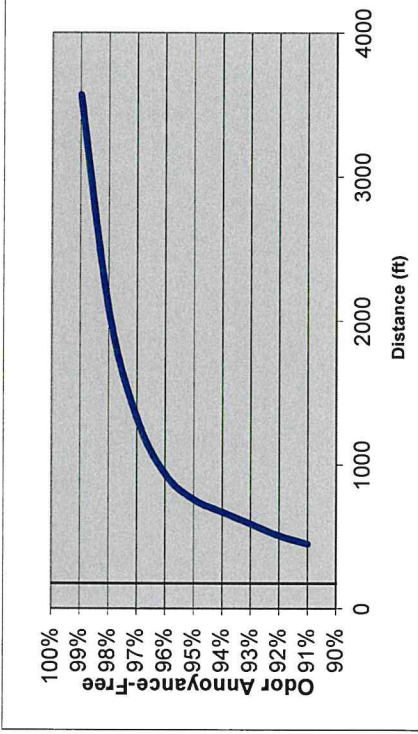
Farm Name	Van Nurdan
County	to Van Nurdan
Evaluator	NWB
Date	8/24/21

Source Characteristics Summary		Flux Rates (with control technology)				Source Emission Rates*				
Similar Sources	Emit Area sq ft	Control Technology Type	Percent Treated	Odor ou/s/m2	OFFSET OER	H2S ug/s/m2	Ammonia ug/s/m2	Odor ou/s	H2S ug/s	Ammonia ug/s
Buildings										
Swine Finishing - deep pit	1500	None	0%	10.5	34.2	6.0	99.0	1464	837	13803
Swine Finishing - deep pit	5084	None	0%	10.5	34	6.0	99.0	4962	2835	46784
Swine Farrowing - pull plug	5440	None	0%	4.2	14	1.1	9.0	2124	556	4551
Area Sources										
Earthen manure storage	0	None		14.0	13	25.3	107.0	0	0	0
User added	0	None		0.0	0.0	0.0	0.0	0	0	0

*includes control technologies

Total Site Area (ft2)	12,024
Total Odor Emission Factor (TOEF)	30
Total Site H2S Emissions (mg/s)	4
Total Site H2S Emission AVERAGE (lbs/day)	1
Total Site H2S Emission MAX (lbs/day)	2
Total Site H2S Emissions (tons/yr)	0
Total Site Ammonia Emissions (mg/s)	65
Total Site Ammonia Emission AVERAGE (lbs/day)	12
Total Site Ammonia Emissions MAX (lbs/day)	25
Total Site Ammonia Emissions (tons/yr)	2

Source Edge to Nearest Neighbor (ft)	175
OFFSET Annoyance-free frequency	84%



Conditions for Permit No. 12-21 (Andrew Van Nurden)

1. The permit holder shall comply with all applicable laws, rules, and regulations, including but not limited to Redwood County Ordinance, as hereafter amended from time to time. If a permit and/or license is required by the local, state, or federal authorities/entities, the permit holder shall apply for and obtain any and all required permits and/or licenses. A copy of all such permits and/or licenses shall be provided to the Redwood County Environmental Office within thirty (30) days of the date the permit holder received the same.
2. The permit holder shall allow the Redwood County Environmental Office to inspect the site for all purposes permitted by law whenever deemed necessary by the Redwood County Environmental Office.
3. All waste, refuse, and the like generated by or from the conditional use must be disposed of in the manner provided by the applicable local, state, and federal statutes, rules, and regulations.
4. The permit holder shall take appropriate and reasonable measures to assure that all surface water runoff satisfies all applicable local, state, and federal discharge standards.
5. The permit holder shall not allow the conditional use to be injurious to the use and enjoyment of other property in the immediate vicinity for the purposes already permitted. The permit holder shall not allow the conditional use to impede the normal and orderly development and improvement of surrounding vacant property for uses predominant to the area. Adequate measures shall be taken to prevent or control offensive odor, fumes, dust, and vibration, so that none of the foregoing will constitute a nuisance now or in the future.
6. Adequate utilities, access roads, drainage, and other necessary facilities shall be provided and continue to be provided by the permit holder now and in the future.
7. The manner in which manure is stored and disposed of shall comply with all applicable local, state, and federal laws, rules, and regulations. If manure is applied to land, it shall be applied to land at agronomic rates. Applied manure shall be injected or incorporated within 24 hours. The permit holder shall retain a record of all locations where manure is applied to land. Such records shall be maintained for a period of no less than five (5) years, measured from the date the manure is applied to land. Such records shall be submitted to the Redwood County Environmental Office upon request. The permit holder shall report any changes in spread agreements or spread areas to the Redwood County Environmental Office within thirty (30) days subsequent to any such change.
8. The permit holder shall abide by the Odor Management Plan attached to the application, or by any amended plan approved by the Zoning Administrator.
9. The County Board of Commissioners may at any time impose additional conditions as necessary and appropriate including but not limited to: the planting of trees and shrubs for use as a windbreak for the feedlot operation; the furnishing and placing in a dedicated account, to be administered by the County, an annual payment for reclamation purposes based upon the number of Animal Units involved; and restrictions on the days on which a manure storage structure may be disturbed or manure may be transferred, applied, incorporated, or injected.

10. Dead livestock shall be stored in such a manner as to not create a nuisance. Disposal of dead livestock by burial is strictly prohibited. Repairs must be completed to the existing compost building so that compost remains contained in the building and is not allowed to spill out onto the ground. If, in the future, a new compost facility is constructed, it must meet the requirements of the Redwood County Swine Composting Protocol, which is attached hereto. Additionally, if in the future a new swine confinement barn is constructed, a new compost facility must be constructed and it must meet the requirements of the Redwood County Swine Composting Protocol.
11. The permit holder shall install a warning sign at all entrances to the concrete pits. These signs shall warn the reader of the dangers of entering the pit.
12. The Redwood County Planning Commission shall review the conditional use permit and shall be authorized to take any and all necessary action(s), including but not limited to revoking the conditional use permit and/or requiring the permit holder to reapply for a conditional use permit, if: 1) The Redwood County Environmental Office acquires information previously unavailable that indicates the terms and conditions of the permit do not accurately represent the actual circumstances of the permitted facility or the conditional use; 2) It is discovered subsequent to the issuance of the permit the permit holder failed to disclose all facts relevant to the issuance of the permit or submitted false or misleading information to the Redwood County Environmental Office, the Redwood County Planning Commission, or the Redwood County Board of Commissioners; 3) The Redwood County Environmental Office determines the permitted facility or conditional use endangers human health or the environment; and/or (4) The permit holder violates any of the herein described conditions.



REDWOOD COUNTY ENVIRONMENTAL OFFICE

PO BOX 130
REDWOOD FALLS
MINNESOTA 56283
PH: 507-637-4023

*Planning & Zoning • Parks & Trails • GIS
Aquatic Invasive Species • Septic Inspector
Drainage Inspector • Agricultural Inspector*

REDWOOD COUNTY PLANNING COMMISSION

Van Nurden feedlot

Conditional Use Permit Application #12-21

August 31, 2021

FINDINGS OF FACT

ORDINANCE CRITERIA – The Planning Commission may recommend the granting of a Conditional Use Permit in any district provided the proposed use is listed as a conditional use for the district and upon a showing that the standards and criteria stated in this Ordinance will be satisfied and that the use is in harmony with the general purposes and intent of this Ordinance and the Comprehensive Plan.

In determining whether the proposed use is in harmony with the general purposes and intent of the Ordinance and the Comprehensive Plan, the Planning Commission shall consider and make findings on the following questions:

- 1) What potential health safety and welfare impacts were raised at the hearing and why will they, or why won't they, impact the neighboring residents?

- 2) What potential impacts on area property uses were raised at the hearing and why will they, or why won't they, impact the property uses in the area?

3) What potential impacts on property values or future development were raised at the hearing, and why will they, or why won't they, impact the neighboring properties?

4) What infrastructure is needed to support the proposed use and how will it be provided?

5) How do the goals, purpose and policies of the Zoning Ordinance and Comprehensive Plan apply to the proposed project?

NAME: _____

DATE: _____