



Le Sueur County, MN

Thursday, July 13, 2017

Regular session

Item 3

Lone Oak Farm Inc Feedlot Packet

Staff Contact: Kathy Brockway or Michelle Mettler

CONDITIONAL USE PERMIT APPLICATION #17170

LE SUEUR COUNTY

**IN AN AGRICULTURAL ZONING DISTRICT,
AN EXPANSION AND CONSTRUCTION OF AN EXISTING
REGISTERED ANIMAL FEEDLOT CAPABLE OF
HOUSING 981 ANIMAL UNITS
(54,500 HEAD OF TURKEYS OVER 5 POUNDS)**

**NAME: LONE OAK FARM, INC.
GREGORY AND JOAN SCHWARZ**

Subject: Conditional Use Permit Application #17170

Applicant: LONE OAK FARM, INC.

Property Owner: GREGORY AND JOAN SCHWARZ

Location: Existing: NE ¼ of the NW ¼ of Section 9, Sharon Township
Expansion: NW ¼ of the NE ¼ of Section 9, Sharon Township and
SE ¼ of the SW ¼ and the SW ¼ of the SE ¼ of Section 4, Sharon Township

Existing Zoning: A- AGRICULTURAL

Date of Hearing: JULY 13, 2017

Reported by: Kathy Brockway-Le Sueur County P & Z Administrator
Amy Beatty- Le Sueur County Feedlot Officer

Applicant Received:

The applicant has received copies of the Le Sueur County Zoning Ordinance Sections 8: Agriculture District, Section 16: Animal Feedlot and Manure Management, and Section 21: Conditional Use Permit.

Township Notification:

The applicant contacted Ronda Schleeve, Sharon Township Clerk on May 31, 2017.

Zoning District:

The Agriculture (A) District is established for areas where agriculture uses are seen as the best and highest long term use of the land. The land itself needs to be preserved for primarily agricultural activities. These areas should avoid existing cities, residential zones, and subdivisions. They should be large contiguous land areas with mostly prime soils. Rezoning should only be considered on the zone's borders in order to maintain the Zoning integrity of the District. Dwellings that are allowed should be on the edges of the open farmland where possible or utilize existing abandoned farm sites. The total number of Dwellings shall not exceed sixteen (16) per section of land with the exception of Transfer of Development Right and lots of record. Transfer of development rights may be utilized to exceed the permitted housing density of one dwelling per quarter-quarter section (40 acres), provided that the density does not exceed four dwellings per quarter-quarter section in the receiving quarter-quarter section. Lots of Record shall be exempt from density standards.

Goal 1: Le Sueur County contains some of the most productive agricultural soils in Minnesota and should adopt and enforce land use goals and policies that conserve and protect agricultural resources and uses.

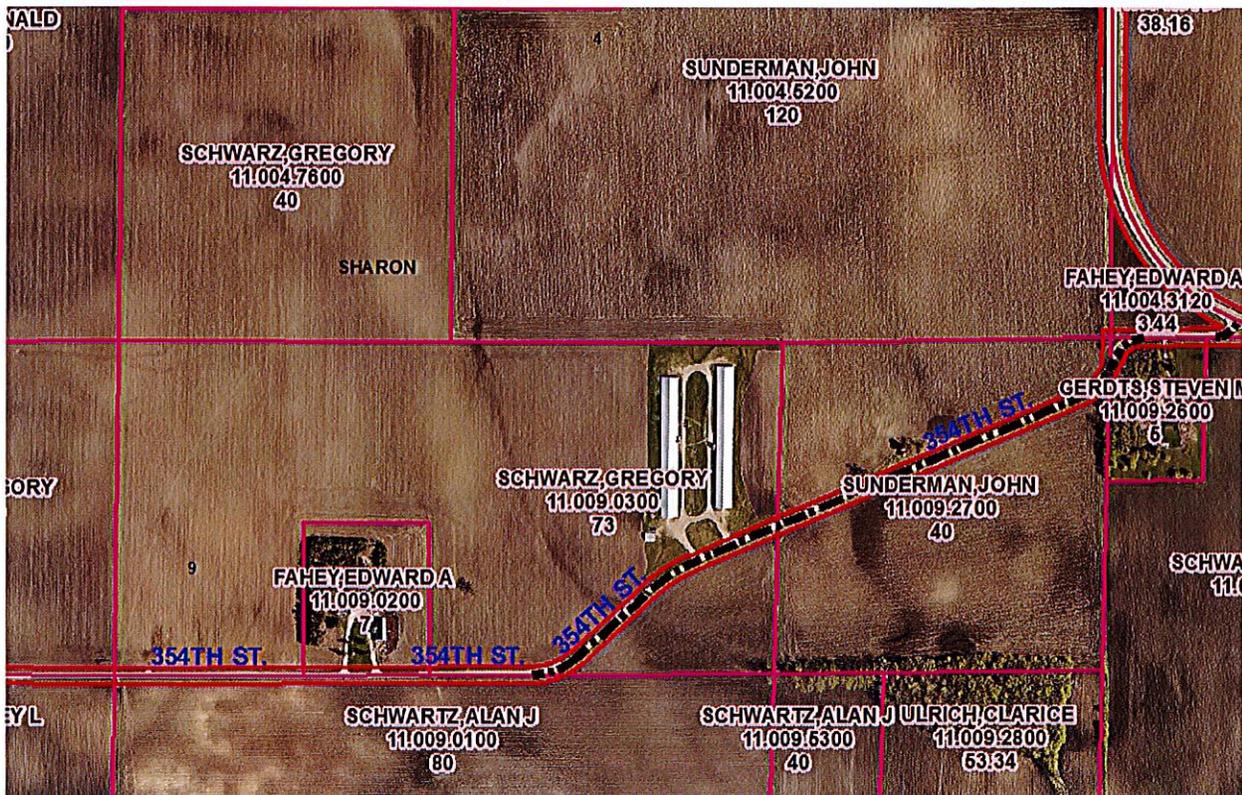
Policy: The County will protect the best of its agricultural land as a resource for long term agricultural use.

Policy: An adequate supply of healthy livestock is essential to the well being of Le Sueur County. The location of livestock feedlots and non-feedlot uses too close to one another can cause conflicts. An effort to combine local needs with state feedlot regulations will ensure local involvement in this issue, help provide minimal disruption to existing agricultural businesses, and help provide rules to protect the environment.

Site Information:

The existing registered animal feedlot is located on a parcel in the NE ¼ of the NW ¼ of Section 9, Sharon Township. The expansion of the animal feedlot will be in NW ¼ of the NE ¼ of Section 9, Sharon Township and SE ¼ of the SW ¼ and the SW ¼ of the SE ¼ of Section 4, Sharon Township. The property address for the existing and proposed expansion of the animal feedlot is 28678 354th Street, Le Sueur.

Aerial Photo:



Surrounding Land Uses:

The predominant use of the surrounding land is:

North: Ag South: Ag
East: Ag West: Ag

Shoreland: The existing registered animal feedlot is not located within the Shoreland Zoning District.

Wetlands: No wetlands are located in the quarter-quarter section where the proposed registered animal feedlot is located.

Request:

The applicant is requesting to expand and construct an existing animal feedlot capable of housing 981 animal units or 54,500 head of turkeys over five pounds. See attached narrative from the applicant.

Animal Feedlot Permit Application:

The applicant's animal feedlot permit application was received by the county feedlot officer prior to and on June 7, 2017 and was comprised of:

1. Construction Short-Form Permit Application
2. Air Emissions and Odor Management Plan
3. Emergency Response Plan
4. Manure Management Plan

Per Minn. Stat. §116.07, subd. 7(a), as amended in 2003:

(a) A person who applies to the pollution control agency or a county board for a permit to construct or expand a feedlot with a capacity of 500 animal units or more shall, not less than 20 business days before the date on which a permit is issued, provide notice to each resident and owner of real property within 5,000 feet of the perimeter of the proposed feedlot. The notice may be delivered by first class mail, in person, or by the publication in a newspaper of general circulation within the affected area and must include information on the type of livestock and the proposed capacity of the feedlot.

The applicant's notification was published in the *Le Sueur News Herald's* May 10, 2017 edition.

County and State Requirements:

In an Agricultural Zoning District, a registered animal feedlot may house up to 3,000 animal units through the Conditional Use Permit process.

- The applicant is requesting to expand and construct an existing animal feedlot capable of housing 981 animal units or 54,500 head of turkeys over five pounds in an Agricultural Zoning District.

For a registered animal feedlot between 101 to 2,000 animal units, the minimum lot size and suitable area acreage is ten (10) acres.

- The existing animal feedlot is located on a 73 acre parcel and has a suitable acreage of 73 acres.
- The applicant submitted a Certificate of Survey showing a parcel where the proposed expansion will be constructed. This parcel has a total acreage of 14.15 acres and a suitable area acreage of 14.15.

Per Minnesota Administrative Rules, Chapter 7020.2005, subpart 1 and Chapter 4410.4300, subpart 29, the site meets or exceeds the following requirements for the proposed registered animal feedlot.

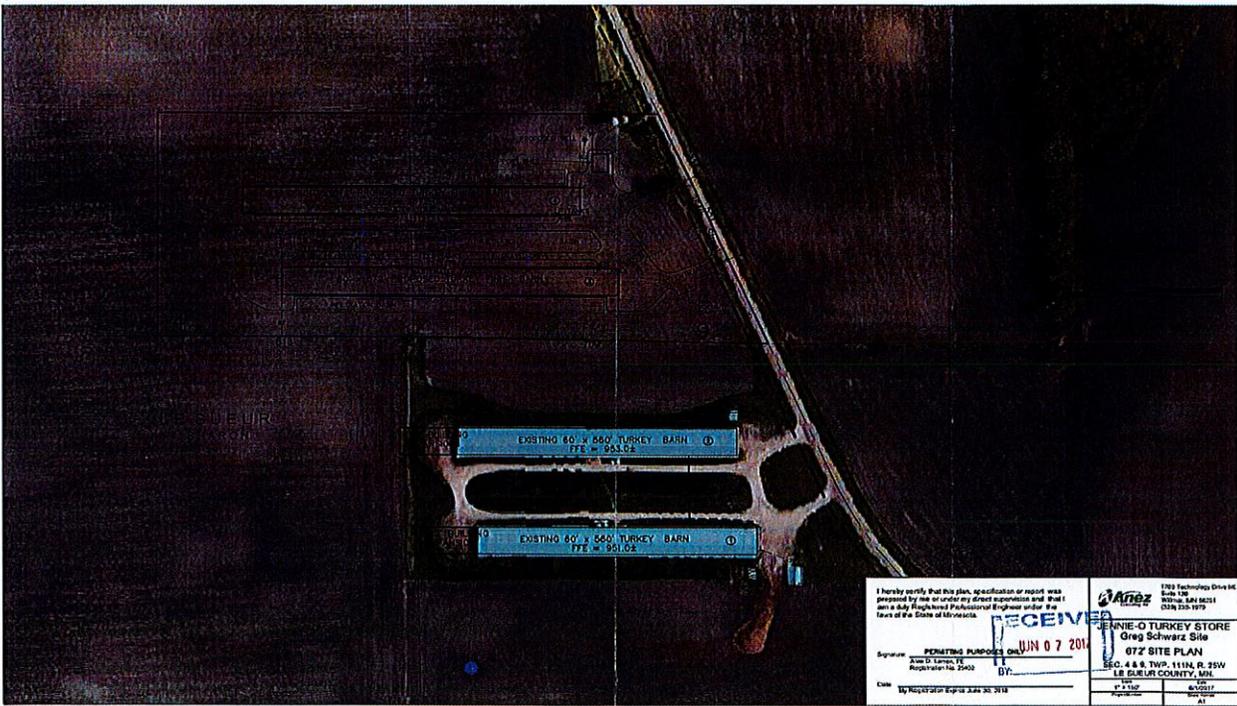
- The existing and proposed expansion of the animal feedlot facility is not
 - Within 1,000 feet of a lake or within 300 feet of a stream;
 - Located within a delineated floodplain;
 - Located in a state or federally designated wild and scenic river district, a Minnesota River Project Riverbend Area, or the Mississippi Headwaters Area; and
 - Located in a drinking water supply management area.
- The applicant will meet or exceed the following setback requirements as listed in the Le Sueur County Zoning Ordinance, Section 16 for the animal feedlot's total confinement buildings.
 - Well – required 100 feet;
 - Existing total confinement buildings: 129 feet to total confinement building #1;
 - Proposed total confinement buildings: 107 feet to total confinement building #4;
 - Property Lines – required 100 feet;
 - 172 feet from proposed total confinement building #4 to the north property line;
 - 165 feet from proposed total confinement building #4 to the east property line;
 - The landowner owns the land within 600 or more feet of the existing and proposed total confinement buildings to the nearest property line.
 - Road right-of-way – required 100 feet;
 - 177 feet to the proposed total confinement buildings #3 and #4;
 - Cemetery – required 500 feet; and
 - No cemetery within 500 feet of the animal feedlot;
 - Existing school, park, golf course, licensed campground, or residential zoning district – required 1,000 feet.
 - No existing school, park, golf course, licensed campground, or residential zoning district within 1,000 feet of the animal feedlot.
 - Existing dwellings – required 1,000 feet.
 - The existing and proposed animal feedlot's total confinement buildings to existing dwellings are more than 1,000 feet.

Existing and Proposed Animal Feedlot Structures:

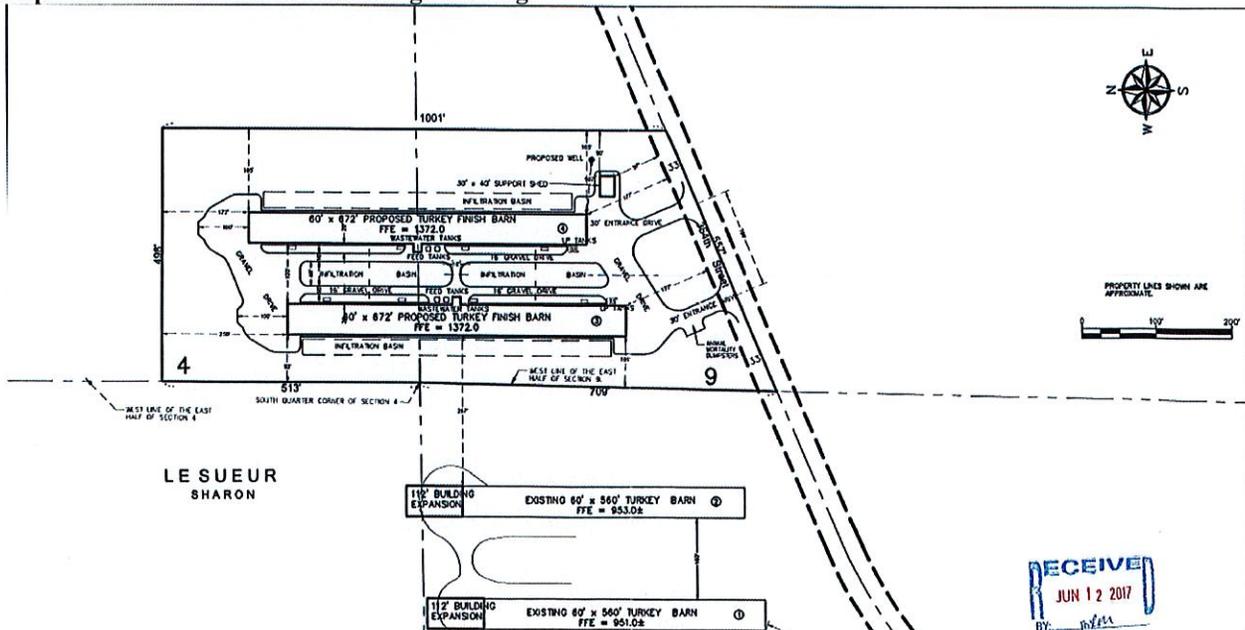
- Existing Total Confinement Buildings:
 - The two (2) existing total confinement buildings measure 60 feet x 560 feet. It is proposed to construct a 60 foot x 112 foot addition onto each of the buildings. After the addition, each of the existing buildings will house 13,625 head of turkeys over five pounds.
 - The two existing total confinement buildings' poultry barn floors will be both soil-lined (existing) and concrete (addition) and when constructed, will meet the requirements of Minnesota Administrative Rules, Chapter 7020.2120, subparts 2 (for concrete) and 3 (for soil).
 - The litter or turkey manure will be in the total confinement buildings until the turkeys are ready to be marketed. On average, the litter in each of the buildings will measure 60 feet by 672 feet by 1 inch.
- Proposed Total Confinement Buildings:
 - The two (2) proposed total confinement buildings will measure 60 feet x 672 feet. Each of the proposed buildings will house 13,625 head of turkeys over five pounds.
 - The two (2) proposed total confinement buildings' poultry barn floors will be constructed of concrete and when constructed, will meet the requirements of Minnesota Administrative Rules, Chapter 7020.2120, subpart 2.

- The litter or turkey manure will be in the total confinement buildings until the turkeys are ready to be marketed. On average, the litter in each of the buildings will measure 60 feet by 672 feet by 1 inch.
- The applicant is proposing to install four-2,000 gallon precast tanks (sewage tanks) per building to collect and store wash water from barn cleanings. Minnesota Administrative Rules, Chapter 7020 defines these tanks as liquid manure storage areas (LMSA) or more specifically "Limited Risk LMSA" that provide for temporary manure storage or processing. Minnesota Administrative Rules, Chapter 7020.2100, subpart 1.D. and E. provides an exemption to the locational restrictions and most of the design requirements of Minnesota Administrative Rules, Chapter 7020.2100 for certain LMSAs that provide for temporary storage or processing of waste. The exemption is only applicable to LMSAs constructed entirely of concrete and in non-karst susceptible areas, a maximum allowable volume of 20,000 gallons. Design plans and specifications for limited risk LMSAs are subject to Minnesota Administrative Rules, Chapter 7020.2100, subpart 3, items C and D, subpart 4, item I, J, and N, subpart 5, item A, and subpart 7. These design plans and specifications are required to be submitted for review and approval. In this case, when a pre-cast tank is proposed, the Minnesota Pollution Control Agency (MPCA) will approve a manufacturer certification that the pre-cast tank meets the requirements of Minnesota Administrative Rules, Chapter 7080 for use as sewage tank in lieu of the typical design information for a poured in place concrete lined LMSA.

Site Plan:



Proposed Total Confinement Building Drawing:



Manure Management Plan:

A manure management plan and a manure management plan requirements when ownership of manure is transferred have been submitted to and reviewed by Department staff. A copy is on file in the office of the Le Sueur County Feedlot Officer. A plan is required to be prepared by the Le Sueur County Zoning Ordinance, Section 16.

All of the manure generated from the existing registered animal feedlot site will be

- Land applied on land owned and/or rented by Mr. Schwarz; or
- All or partially transferred to area cropland managers for stockpiling and land application.

Odor Control:

An Air Emissions and Odor Management Plan has been submitted to and reviewed by Department staff. A copy is on file in the office of the Le Sueur County Feedlot Officer. A plan is required to be prepared by the Le Sueur County Zoning Ordinance, Section 16.

Based upon the Department’s technical review, all application components have been submitted and are found to be complete.

Feedlot Officer Findings:

1. The animal feedlot shall be operated in a manner consistent with the Le Sueur County Zoning Ordinance and Minnesota Administrative Rules, Chapter 7020. Any deviation may necessitate modification of its Conditional Use Permit.
2. Per Minnesota Administrative Rules, Chapter 7020.2120, subpart 6, notification shall be made to the Department three (3) business days prior to onset of construction and within three (3) business days following completion of construction of the poultry barn floors.
3. The limited risk liquid manure storage areas shall conform to Minnesota Administrative Rules, Chapter 7080, be installed per the manufacturer’s specifications, and be tested for watertightness either at the plant or on-site. The sewage tank identification form and watertight testing form shall be submitted to the county feedlot officer. There shall be, on file with the county feedlot officer, a signed service contract between the animal feedlot owner and the appropriately licensed company who will be pumping the limited risk liquid manure storage areas. The pumping records shall be made available to the county feedlot officer upon request.
4. All animal manure from the operation shall be utilized in accordance to its Manure Management Plan and stockpiled and land applied per Minnesota Administrative Rules, Chapter 7020 and the Le Sueur County Zoning Ordinance.
5. Animal mortality disposal shall meet the requirements of the Minnesota Board of Animal Health.
6. The permit holder shall allow the County Feedlot Officer or assigned representee to inspect the site whenever necessary upon notification to permit holder.
7. No animals shall be brought into the newly constructed portion of the facility until all conditions have been met.
8. All applicable requirements as stated in Section 16, Subdivision 9, Standards for Conditional Use Permits, and any additional standards or requirements imposed by the Le Sueur County Board of Commissioners shall be met.

ATTACHMENTS

Application, Criteria Form, Narrative, MPCA Permitting Requirements, Twp Notification, Publication, Maps

PLANNING AND ZONING COMMISSION CONSIDERATIONS

The Planning Commission and staff shall consider possible adverse effects of the proposed conditional use and what additional requirements may be necessary to reduce such adverse effects. Its judgment shall be based upon the following factors to include, but not limited to:

1. Relationship to County plans.
2. The geographical area involved.
3. Whether such use will negatively affect surrounding properties in the area in which it is proposed.
4. The character of the surrounding area.
5. The demonstrated need for such use.
6. Whether the proposed use would cause odors, dust, flies, vermin, smoke, gas, noise, or vibration or would impose hazards to life or property in the neighborhood.
7. Whether such use would inherently lead to or encourage disturbing influences in the neighborhood.
8. Whether stored equipment or materials would be screened and whether there would be continuous operation within the visible range of surrounding residences.
9. Abatement of Environmental Hazards as regulated in this Ordinance.
10. Other factors impacting the public health, safety, and welfare.

PLANNING AND ZONING COMMISSION FINDINGS

Based on the information submitted by the applicant, contained in this report, and as required by the Le Sueur County Zoning Ordinance, the following findings have been developed for this request:

(Please circle one for each item: Agree, Disagree, Not Applicable.)

1. *The conditional use will not be injurious to the use and enjoyment of other property in the immediate vicinity for the purposes already permitted, nor substantially diminishes and impairs property values within the immediate vicinity.*
2. *The establishment of the conditional use will not impede the normal and orderly development and improvement of surrounding vacant property for uses predominant in the area.*
3. *Adequate utilities, access roads, drainage and other facilities have been or are being provided.*
4. *Adequate measures have been or will be taken to provide sufficient off-street parking and loading space to serve the proposed use.*
5. *Adequate measures have been or will be taken to prevent and control offensive odor, fumes, dust, noise and vibration, so that none of these will constitute a nuisance, and to control lighted signs and other lights in such a manner that no disturbance to neighboring properties will result.*
6. *Is the Conditional Use Permit consistent with and supported by the statement of purposes, policies, goals and objectives in the Ordinance?*
7. *Is the Conditional Use Permit consistent with the Comprehensive Land Use Plan?*

Recommend (circle one) approval / denial / table / of Conditional Use Permit.

Le Sueur County

Conditional Use Application

I. Applicant:

Name Lone Oak Farm, Inc
Mailing Address 30012 Lexington Rd
City Le Sueur State MN Zip 56058
Phone # 507-665-2777 Phone # _____

II. Landowner:

Name Gregory & Joan Schwarz
Mailing Address 30012 Lexington Rd
City Le Sueur State MN Zip 56058
Property Address 28678 354th St
City Le Sueur State MN Zip 56058
Phone # 507-665-2777 Phone # _____

III. Parcel Information:

Parcel Number 11.009.0300 11.009.2700 11.004.5200 Parcel Acreage 73, 40, 120
Attach Full Legal Description (**NOT** abbreviated description from tax statement)
Township Sharon Section 9, 4 *m2m*
Subdivision _____ Lot _____ Block _____

IV. Township Notification: Township must be notified of proposed use prior to application.

Sharon Township notified on May 9, 2017
(Township Name) (Date)

Board Member Ronda Schleeve regarding the proposed use.
(Name)

V. Quantities and Submittal Formats:

- One (1) reproducible 8.5" x 11" copy of the request and all other supporting documents.
- Twenty three (23) copies must be submitted, if any documents are in color, an aerial, or larger than 8.5" x 11" in size.
- Electronic version of any supporting documents *if available*.
- Additional copies may be requested as deemed necessary by the Department.
- Application must be made **in person** by the applicant and/or landowner no later than 12 P.M. on the date of application deadline.
- Appointment is necessary.
- Applications will not be accepted by mail.**

VI. Fees: Must be paid at the time of application.

Conditional Use Permit \$ 750 After-The-Fact fee is **doubled**.
Filing Fee \$ 46

Additional Fees:

Special Meeting \$ 2,000
After-The-Fact Penalty \$ 1,500 OR 10% of improvement, whichever is greater



VII. Type of Request:

- Self Service Storage
- School/Church/Cemetery
- Retail Nursery/Greenhouse
- School/Church/Cemetery
- Value Added Agriculture
- Antique Sales/Service/Repair
- Substation/Transmission Lines etc.
- Other _____

Feed lot - mem

VIII. Description of Request:

- a. A full description of request with detailed information must be attached.
- b. Complete the following in relationship to the proposed Conditional Use Permit.
 - 1. **PROPOSED DAYS AND HOURS OF OPERATION:** 7 days per week, 24 hr per day
 - 2. **ESTIMATED NUMBER OF PERSONS TO ATTEND PLACE OF BUSINESS/LOCATION ON A DAILY OR WEEKLY BASIS:** One to two care takers daily with more at loadout and cleanout time
 - 3. **LIST OF PUBLIC HEALTH PLANS:**
 - i. **Water Supply:** private well on site
 - ii. **Toilet facilities:** none at this time
 - iii. **Solid Waste Collection:** dumpster on site
 - 4. **FIRE PREVENTION:** none
 - 5. **SECURITY PLANS:** locked doors
 - 6. **RETAIL SALES:** none
 - 7. **FOOD OR ALCOHOL SERVED OR FOR SALE:** none
 - 8. **DESCRIBE IF THE APPLICANT REQUESTS THE COUNTY TO PROVIDE ANY SERVICES OR COUNTY PERSONNEL: (For example, pedestrian and/or vehicular traffic control.)**
No additional services required
 - 9. **SOUND AMPLIFICATION, PUBLIC ADDRESS SYSTEM, PLAYING OF MUSIC:**
None
 - 10. **EXTERIOR LIGHTING:** Lighting on exterior of the barns, yard light
 - 11. **PARKING AND LOADING:** On site
 - 12. **SIGNAGE:** None
 - 13. **ROAD ACCESS: (Approved by the road authority)** 354th St
 - 14. **CERTIFICATE OF INSURANCE:** attached
 - 15. **MEET ALL APPLICABLE COUNTY STATE & FEDERAL REGULATIONS:**
(For example additional licensing and/or permitting) CSF permit, CUP, DNR Water Appropriations

IX. Site Plan: Shall include but not limited to the following:

- North point
- Setbacks
- Property Lines
- Road Right-Of-Way
- Lake
- River
- Wetland
- Stream
- Existing Structures
- Proposed Structures
- Lot Dimensions
- Ponds
- Septic system
- Well
- Access (size & location)
- Easements
- Parking (Size & location-if applicable to application)
- Landscape, screening and buffering (if applicable to application)
- Location of significant trees to be removed (if applicable to application)

RECEIVED
JUN 07 2017
BY: _____

LE SUEUR COUNTY CONDITIONAL USE PERMIT CRITERIA

Conditional Use Permit #: 17170

Applicant: LONE OAK FARMS INC

Land Owner: GREGORY & JOAN SCHWARZ

Conditional Use Permit Request: EXPAND AN EXISTING 444.6 AU FEEDLOT TO A TOTAL 981 AU FEEDLOT

1. The conditional use will not be injurious to the use and enjoyment of other property in the immediate vicinity for the purposes already permitted, nor substantially diminishes and impairs property values within the immediate vicinity.

AI	Don Rk	Don Ry	Jeanne	Doug	Shirley	Pam	TOTAL

Explain _____

2. The establishment of the conditional use will not impede the normal and orderly development and improvement of surrounding vacant property for uses predominant in the area.

AI	Don Rk	Don Ry	Jeanne	Doug	Shirley	Pam	TOTAL

Explain _____

3. Adequate utilities, access roads, drainage and other facilities have been or are being provided.

AI	Don Rk	Don Ry	Jeanne	Doug	Shirley	Pam	TOTAL

Explain _____

4. Adequate measures have been or will be taken to provide sufficient off-street parking and loading space to service the proposed use.

AI	Don Rk	Don Ry	Jeanne	Doug	Shirley	Pam	TOTAL

Explain _____

5. Adequate measures have been or will be taken to prevent and control offensive odor, fumes, dust, noise and vibration, so that none of these will constitute a nuisance, and to control lighted signs and other lights in such a manner that no disturbance to neighboring properties will result.

AI	Don Rk	Don Ry	Jeanne	Doug	Shirley	Pam	TOTAL

Explain _____

6. The conditional use is consistent with and supported by the statement of purposes, policies, goals and objectives in the Ordinance.

AI	Don Rk	Don Ry	Jeanne	Doug	Shirley	Pam	TOTAL

Explain _____

7. The conditional use is consistent with the Comprehensive Land Use Plan.

AI	Don Rk	Don Ry	Jeanne	Doug	Shirley	Pam	TOTAL

Explain _____

If all answers are "YES" by a majority of the Planning Commission, the criteria for granting of the Conditional Use Permit request have been met. The Conditional Use Permit will meet the goals of safety, health and the general welfare of the public.

Date: _____ APPROVED _____ DENIED _____ PZ Chairperson _____

COUNTY BOARD MEETING DATE _____

Description of Request

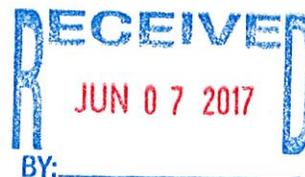
Lone Oak Farm, Inc, 30012 Lexington Rd St, Le Sueur, MN, 56058 is applying for a Conditional Use Permit to construct two 60' x 672' total confinement turkey barns on 40 acres in the NW ¼ of the NE ¼ , section 9, Sharon Township. The site is located on 354th St.

The site has two existing 60' x 560' total confinement turkey barns housing 24,700 turkeys over five pounds or 444.6 animal units. . The applicant is also proposing to construct 60' x 112' additions with concrete floors on to the north end of the existing barns on the site. The existing barns are located in the NE ¼ of the NW ¼ of section 9. There are 73 acres in this parcel.

Each barn will house 13,625 turkeys over five pounds. There will be a total of 54,500 turkeys over five pounds on the site. The total animal units for the site will be 981.

Manure will be stored in the barns until the time of cleanout. Cleanouts are determined by the time of the year and number of flocks through the barn. Barns will be empty of turkeys at cleanout time. The applicant has sufficient land application acres for the litter produced. Litter may also be made available to local farmers for stockpiling and application on their fields. MPCA guidelines for stockpiling and field application will be followed. Manure is land applied by a B & H Trucking & Spreading. Their CAWT license number is: 20052499

After the barns are cleaned and swept workers will wash the barns. Drain water will be collected from each barn in a 2000 gallon tank located next to each barn. These tanks will then be pumped by a licensed waste handling company. The drain water is then either land applied or disposed of at a municipal waste facility. Tanks will be installed as per manufacturer's specifications and meet the standards for MN Rules and Regulations for vacuum testing and burying depth. These tanks are considered Low Risk LMSAs.





Minnesota Pollution Control Agency

520 Lafayette Road North
St. Paul, MN 55155-4194

Animal Feedlot or Manure Storage Area Permit Application

CSF and Interim Permit Program

Doc Type: Permit Application

Applicability: To obtain a construction short form (CSF) or interim permit, you must complete and submit this form to the Minnesota Pollution Control Agency (MPCA), or to the County Feedlot Officer (CFO) in delegated counties.

Keep a copy of this application form and all submittals for your records.

Feedlot Registration Number: 079-66561

I. Permit type and reason for application

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)

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



A permit extension request only requires completion of pages 1 and 6 of this application form (the remaining pages can be left blank).

Note: When the notice to neighbors and property owners is applicable (page 6) 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

Additional owner - attach additional sheets as necessary

Name: Gregory Schwarz
Address: 30012 Lexington Rd
City: Le Sueur State: MN
Phone: 507-665-2777 Zip: 56058

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

Contact person for day-to-day activities

Site Name: Lone Oak Farm, Inc
Name: Greg Schwarz
Facility is a MN Ag Water Quality Certified Farm (MAWQCP)
Street: 30012 Lexington Rd
City: Le Sueur State: MN
Phone: 507-665-2777 Zip: 56058

(General letters/notices may be sent by e-mail where one is indicated.)

IV. Facility location

County: Le Sueur

Township name: Sharon

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 111 N	R 25 W	9,4	NW - 9, existing barns, NE - 9, new barns, Sec 4, New Barns	NE - 9, existing barns, NW - 9, new barns, S1/2 - 4, New barns

V. Sensitive features

1. Is any part of the facility within 1,000 feet of any type of surface waters? Yes No
 If Yes, complete a. and b. below:
 a. List the name of the surface water feature: _____
 b. Select the type of surface water feature below:
 Lake/Pond larger than 25 acres Wetland Drainage ditch Other
 River/Stream Is any part of the facility within 300 feet of the river/stream? Yes No

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

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

4. 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

5. Is any part of the facility located within 1,000 feet of the following types of wells: Yes No
 If Yes, select the applicable well type below:
 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)

6. Is any part of the facility located within 1,000 feet of an open tile intake? Yes No

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

Mandatory environmental review is required when the addition of 1,000 or more animal units (AU) is proposed as part of the construction/expansion at any facility. The threshold when environmental review is mandatory is reduced to 500 AU when any part of the facility is located within a "sensitive area". 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 2 above)
- Any part of the facility is within designated shoreland (yes to question 3 above)
- Any part of the facility is within 1,000 feet of a karst feature (yes to question 4 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 defined under Minnesota law (Minn. R. ch. 4410) as two or more projects located in the same geographic area and constructed sequentially 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. The following will assist the MPCA to evaluate if your project qualifies as a "phased action".

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

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				
Between 55 and 300 lbs.	0.3				
Under 55 lbs.	0.05				
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	24700	444.6	54,500	981
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:					
Total animal unit capacity			Current AU capacity	Final AU capacity	
Add all numbers in column 4 for Current AU total			444.6	981	
Add all numbers in column 6 for Final AU total					



VIII. Animal holding areas

Complete the table below for all your animal holding areas.

If you have more than six animal holding areas on your site, continue your list on an additional copy of this page.

Animal holding area ID

List each animal holding area in a separate column

Facility Site Sketch ID (i.e., #1, A, Barn 1)	1	2	3	4		
Status: (check one box only)	<input type="checkbox"/> Proposed	<input type="checkbox"/> Proposed	<input checked="" type="checkbox"/> Proposed	<input checked="" type="checkbox"/> Proposed	<input type="checkbox"/> Proposed	<input type="checkbox"/> Proposed
<i>Proposed</i> - not permitted previously	<input type="checkbox"/> Approved	<input type="checkbox"/> Approved	<input type="checkbox"/> Approved	<input type="checkbox"/> Approved	<input type="checkbox"/> Approved	<input type="checkbox"/> Approved
<i>Approved</i> - permitted but not yet operational	<input type="checkbox"/> Existing	<input type="checkbox"/> Existing	<input type="checkbox"/> Existing	<input type="checkbox"/> Existing	<input type="checkbox"/> Existing	<input type="checkbox"/> Existing
<i>Existing</i> - current operational component	<input checked="" type="checkbox"/> Modifying	<input checked="" type="checkbox"/> Modifying	<input type="checkbox"/> Modifying	<input type="checkbox"/> Modifying	<input type="checkbox"/> Modifying	<input type="checkbox"/> Modifying
<i>Modifying</i> - change to a permitted component	<input type="checkbox"/> Eliminating	<input type="checkbox"/> Eliminating	<input type="checkbox"/> Eliminating	<input type="checkbox"/> Eliminating	<input type="checkbox"/> Eliminating	<input type="checkbox"/> Eliminating
Distance to nearest well (ft.)	120'	200'	>100'	>100'		
Pasture Access	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No

Type of animal holding areas

Write approximate dimensions in feet in the space below
(width x length or area with units for irregular shapes)

Total confinement barn (slatted floor)						
Total confinement barn (solid floor)	60'x672"	60'x672'	60'x672'	60'x672'		
Partial confinement barn						
Open lot with runoff controls						
Open lot without runoff controls						
Animal Holding Area Floor Type (check all that apply)	<input checked="" type="checkbox"/> Concrete <input type="checkbox"/> Asphalt <input checked="" type="checkbox"/> Soil <input type="checkbox"/> Other	<input checked="" type="checkbox"/> Concrete <input type="checkbox"/> Asphalt <input checked="" type="checkbox"/> Soil <input type="checkbox"/> Other	<input checked="" type="checkbox"/> Concrete <input type="checkbox"/> Asphalt <input type="checkbox"/> Soil <input type="checkbox"/> Other	<input checked="" type="checkbox"/> Concrete <input type="checkbox"/> Asphalt <input type="checkbox"/> Soil <input type="checkbox"/> Other	<input type="checkbox"/> Concrete <input type="checkbox"/> Asphalt <input type="checkbox"/> Soil <input type="checkbox"/> Other	<input type="checkbox"/> Concrete <input type="checkbox"/> Asphalt <input type="checkbox"/> Soil <input type="checkbox"/> Other

Animal numbers

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

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.						
Swine between 55 and 300 lbs.						
Swine under 55 lbs.						
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.	13625	13625	13625	13625		
Turkeys - under 5 lbs.						
Ducks						
Other:						



IX. Manure handling, feed storage, and dead animal areas

Complete the table below for your manure storage, feed/silage storage areas and dead animal disposal areas on your site. If you have more than six manure storage, feed/silage storage, and dead animal management areas on your site, continue your list on an additional copy of this page.

Manure, feed, or dead animal areas	List each manure handling, feed storage, and dead animal area in a separate column					
Facility Site Sketch ID (i.e., #1, A, Basin 1)	1	2	3	4	5	
Status: (check one box only) Proposed - not permitted previously Approved - permitted but not yet operational Existing - current operational component Modifying - change to a permitted component Eliminating	<input type="checkbox"/> Proposed <input type="checkbox"/> Approved <input type="checkbox"/> Existing <input checked="" type="checkbox"/> Modifying <input type="checkbox"/> Eliminating	<input type="checkbox"/> Proposed <input type="checkbox"/> Approved <input type="checkbox"/> Existing <input checked="" type="checkbox"/> Modifying <input type="checkbox"/> Eliminating	<input checked="" type="checkbox"/> Proposed <input type="checkbox"/> Approved <input type="checkbox"/> Existing <input type="checkbox"/> Modifying <input type="checkbox"/> Eliminating	<input checked="" type="checkbox"/> Proposed <input type="checkbox"/> Approved <input type="checkbox"/> Existing <input type="checkbox"/> Modifying <input type="checkbox"/> Eliminating	<input checked="" type="checkbox"/> Proposed <input type="checkbox"/> Approved <input type="checkbox"/> Existing <input type="checkbox"/> Modifying <input type="checkbox"/> Eliminating	<input type="checkbox"/> Proposed <input type="checkbox"/> Approved <input type="checkbox"/> Existing <input type="checkbox"/> Modifying <input type="checkbox"/> Eliminating
Distance to nearest well (ft.)	120"	200'	>100'	>100'	>100'	

Type of liquid manure or process wastewater storage/treatment areas (indicate dimensions)	Write approximate top dimensions in feet in the space below (width x length x depth or volume with units for irregular shapes)					
Earthen or GCL lined basin						
Below barn concrete tank						
In-ground concrete tank/basin (outdoor)						
Above-ground concrete tank						
Synthetic lined (HDPE, EPDM, etc.) basin						
Steel tank (i.e., slurry-store)						
Composite lined (2 liner types) basin/tank						
Vegetated Infiltration Area						
Other (describe):						

Type of solid manure, feed storage, and dead animal areas (indicate dimensions and floor type)	Write approximate dimensions in feet in the space below (width x length or area with units for irregular shapes)					
Permanent Stockpile						
Dead Animal Management Area					8'x8' dumpster	
Covered Feed Storage Area						
Uncovered Feed Storage Area						
Sweet Corn Silage Storage Storage Pad Area Tonnage on site at any one time						
Other (describe): Manure pack on floor	60'x672'x1"	60'x672'x1'	60'x672x1"	60'x672x1"		
Stockpile, Feed Storage, or Mortality Area Floor/Liner Type (check all that apply)	<input type="checkbox"/> Concrete <input type="checkbox"/> Asphalt <input checked="" type="checkbox"/> Soil <input type="checkbox"/> Other	<input type="checkbox"/> Concrete <input type="checkbox"/> Asphalt <input checked="" type="checkbox"/> Soil <input type="checkbox"/> Other	<input checked="" type="checkbox"/> Concrete <input type="checkbox"/> Asphalt <input type="checkbox"/> Soil <input type="checkbox"/> Other	<input checked="" type="checkbox"/> Concrete <input type="checkbox"/> Asphalt <input type="checkbox"/> Soil <input type="checkbox"/> Other	<input type="checkbox"/> Concrete <input type="checkbox"/> Asphalt <input checked="" type="checkbox"/> Soil <input type="checkbox"/> Other	<input type="checkbox"/> Concrete <input type="checkbox"/> Asphalt <input type="checkbox"/> Soil <input type="checkbox"/> Other

X. Changes to groundwater monitoring plan (complete only if applicable)

If groundwater monitoring is required at the facility, this application can request changes to the MPCA-approved groundwater monitoring plan. In order to request changes to the groundwater monitoring plan, please indicate the type of change requested.

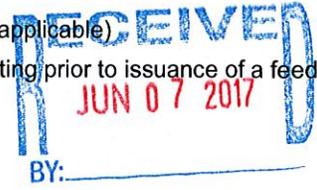
- Elimination of monitoring
- Change to sampling frequency
- Change to sample testing protocol
- Other

When a change is requested, please include with this permit application documentation from a qualified professional that provides a technical analysis and justification for the requested changes.

XI. Non-delegated county public meeting minutes (complete only if applicable)

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: _____



Verification of public meeting.

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

XII. 500 or more AU: Notice to residents and property owners within 5,000 feet

When required. A 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.
- **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 *Permit Notification Requirements – Feedlots with more than 500 Animal Units* available on the MPCA website <http://www.pca.state.mn.us/feedlots>.

Verification of notice. The MPCA must verify that this notice has been completed prior to permit issuance. Documentation that this notice has been completed can be provided with the permit application (preferred) or submitted at a later date, prior to permit issuance.

When the notice has been completed prior to this application

Please include with this application one of the following to provide 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.

When the notice has not been completed prior to this application

Please include with this permit application both of the following:

- A copy of the content of the notification
- Date notification is scheduled to occur: May 10, 2017

Note: The permit cannot be issued prior to receiving verification that the notice has actually taken place. This verification must be one of the three items listed above.

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 even though no application has been made).

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 applicable 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

Print name: Greg Schwarz

Print official title: Owner

Office phone: 507-665-2777

Cell phone: _____

Signature: _____

Date: _____

A "wet signature" is required. No reproductions (i.e., copies or scans) of the signature will be accepted.

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>.

www.pca.state.mn.us • 651-296-6300 • 800-657-3864 • TTY 651-282-5332 or 800-657-3864 • Available in alternative formats
wq-f3-08b • 8/19/16



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

- 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 optional form below:
 Transferred Ownership MMP: <http://www.pca.state.mn.us/index.php/view-document.html?gid=3763>
 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 optional spreadsheet form below:
 MPCA Manure Management Planner: <http://www.pca.state.mn.us/index.php/view-document.html?gid=3548>
Notes: The transferred ownership MMP form is incorporated into the spreadsheet to account for instances when only some of the manure is transferred.
 A paper version is available at: <http://www.pca.state.mn.us/index.php/view-document.html?gid=23197>
- C. Plans and Specifications for construction, modification, or expansion of any liquid manure storage area.
- D. **Conditional** - Environmental Assessment Worksheet (EAW) Fee
 When the project requires environmental review **and** is located in a county that has not accepted delegation of the county feedlot program, there is a fee of \$4,650 for processing of an Environmental Assessment Worksheet (EAW) that must be included with this permit application. (Check payable to: Minnesota Pollution Control Agency)
- E. **Optional** - 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.

Permit application submittal

Please mail the completed permit application and all necessary attachments to either the County Feedlot Officer (CFO) or the MPCA as indicated in the chart below. Mailing addresses for the MPCA offices are below.

County	Mail To:	County	Mail To:	County	Mail To:
Aitkin	MPCA – Rochester	Isanti	MPCA – Rochester	Pipestone	CFO – County
Anoka	MPCA – Rochester	Itasca	MPCA – Rochester	Polk	CFO – County
Becker	MPCA – Mankato	Jackson	CFO – County	Pope	CFO – County
Beltrami	MPCA – Mankato	Kanabec	MPCA – Rochester	Ramsey	MPCA – Rochester
Benton	MPCA – Rochester	Kandiyohi	CFO – County	Red Lake	CFO – County
Big Stone	CFO – County	Kittson	CFO – County	Redwood	MPCA – Rochester
Blue Earth	CFO – County	Koochiching	MPCA – Rochester	Renville	CFO – County
Brown	CFO – County	Lac Qui Parle	CFO – County	Rice	CFO – County
Carlton	MPCA – Rochester	Lake	MPCA – Rochester	Rock	CFO – County
Carver	CFO – County	Lake Of The Woods	CFO – County	Roseau	MPCA – Mankato
Cass	MPCA – Rochester	Le Sueur	CFO – County	St. Louis	MPCA – Rochester
Chippewa	MPCA – Rochester	Lincoln	CFO – County	Scott	MPCA – Rochester
Chisago	MPCA – Rochester	Lyon	CFO – County	Sherburne	MPCA – Rochester
Clay	CFO – County	Mahnomen	MPCA – Mankato	Sibley	CFO – County
Clearwater	MPCA – Mankato	Marshall	CFO – County	Stearns	CFO – County
Cook	MPCA – Rochester	Martin	CFO – County	Steele	CFO – County
Cottonwood	CFO – County	McLeod	CFO – County	Stevens	CFO – County
Crow Wing	MPCA – Rochester	Meeker	CFO – County	Swift	CFO – County
Dakota	MPCA – Rochester	Mille Lacs	MPCA – Rochester	Todd	CFO – County
Dodge	CFO – County	Morrison	CFO – County	Traverse	CFO – County
Douglas	CFO – County	Mower	CFO – County	Wabasha	MPCA – Rochester
Faribault	CFO – County	Murray	CFO – County	Wadena	CFO – County
Fillmore	CFO – County	Nicollet	CFO – County	Waseca	CFO – County
Freeborn	CFO – County	Nobles	CFO – County	Washington	MPCA – Rochester
Goodhue	CFO – County	Norman	CFO – County	Watsonwan	CFO – County
Grant	MPCA – Mankato	Olmsted	MPCA – Rochester	Wilkin	MPCA – Mankato
Hennepin	MPCA – Rochester	Otter Tail	MPCA – Mankato	Winona	CFO – County
Houston	CFO – County	Pennington	CFO – County	Wright	CFO – County
Hubbard	MPCA – Mankato	Pine	MPCA – Rochester	Yellow Medicine	CFO – County

MPCA – Rochester Mailing Address

MPCA Feedlot Permit Coordinator
 18 Woodlake Drive SE
 Rochester, MN 55904

MPCA – Mankato Mailing Address

MPCA Feedlot Permit Coordinator
 12 Civic Center Plaza, Suite 2165
 Mankato, MN 56001





Purpose: This *Air Emissions and Odor Management Plan* is incorporated into the National Pollutant Discharge Elimination System (NPDES)/ State Disposal System (SDS) Permit and made an enforceable part of the permit and submitted to the Minnesota Pollution Control Agency (MPCA).

Facility name: Lone Oak Farm, Inc Feedlot registration no. 079-66561
Owner/Operator name: Greg Schwarz Feedlot permit no. _____

Methods/Practices Used to Minimize Air Emissions and Facility Odor Sources and Anticipated Odor Control Strategies

Choose at least one option for each emission source at the facility (Minn. R. 7020.0505, subp 4.B(1)(a) & (c))

ID #	Site sketch identification number (from permit application) and List of air emissions/Odor source(s) Type of Air Emission/Odor Source	Practices employed to minimize emissions List number(s) from below	Complaint response protocol	
			Odor potential (Without BMPs*) High, Med, or Low	Anticipated odor control strategies** List number(s) from below
1	Total Confinement Barn	3, 6-10	Med	24, 28
2	Total Confinement Barn	3, 6-10	Med	24, 28
3	Total Confinement Barn	3, 6-10	Med	24, 28
4	Total Confinement Barn	3, 6-10	Med	24, 28
5	Dead Animal Handling Area	13	High	28
6				
7				
8				
9				
10				
11				
12				
13				
14				
15				

*BMP = Best Management Practices

** In the event that odor complaints are received and validated by the MPCA/County Feedlot Officer (CFO), the facility/ownership agrees to implement the identified practices identified in this column, pursuant to MPCA request/approval.

Practices applicable to multiple odor/emissions sources

1. Develop a neighbor relations plan
2. Disperse/mix air with tree plantings
3. Establish adequate separation distances
4. Treatment of escaping air with control technologies
5. Reduce nutrient waste with diet manipulation

Animal holding area(s) specific

6. Maintain clean, dry floors to eliminate manure buildup
7. Eliminate manure buildup under gates, feeders, etc.
8. Promptly clean up any spilled feed
9. Reduce feed waste/water losses
10. Maintain exhaust fans and avoid manure and dust accumulation
11. Use spray oil to reduce dust
12. Higher oil and fat content in feed to reduce dust

Dead animal holding/processing area(s) specific

13. Manage mortalities as required by MN Board of Animal Health
14. Compost/manage mortalities in an enclosed structure
15. Use enclosed and refrigerated dead animal holding area

Solid and Liquid Manure Storage Area(s) Specific

16. Maintain crust on basin by switching to organic bedding
17. Cover liquid manure storage area with straw
18. Notify neighbors of manure agitation periods and avoid holidays
19. Cover liquid manure storage area with synthetic cover
20. Addition of chemicals to manure to reduce odor/emissions
21. Add straw or other bedding material to reduce odor/ emissions
22. Separate solids with settling basin or liquid/solid separator
23. Anaerobic digestion
24. Reduce length of time stockpile/manure pack is maintained
25. Solid manure composting
26. Cover the solid manure stockpile
27. Incinerate solid manure at approved/permitted facility

Other practices

28. I will consult the MPCA/CFO to identify changes that can be made to reduce odors following complaints
(*anticipated odor control strategies column only*)
29. Other: _____
30. Other: _____



Response to Documented Exceedance(s)

(Minn. R. 7020.0505, subp 4.B(1)(b))

Initial here: GS,

by initialing here I indicate that I have read, understand, and agree to the requirements/procedures outlined below. (initial is required for all facilities using this form)

In the event testing/monitoring conducted by the MPCA/County identify emissions in excess of standards set in applicable Minnesota Rules, Statutes, or other directives, the facility/ownership agrees to submit a plan of action following MPCA's request, which provides technical documentation that one (or more) of the following technologies will effectively control emissions in the short term as well as into the future:

Liquid Manure Storage Areas (LMSA)

- Chemical additions to the LMSA
- Maintain natural crusting (blow straw to promote crusting if necessary)
- Maintain a straw cover
- Permeable synthetic cover (floating geo-textile, etc.)
- Impermeable synthetic cover (floating High Density Polyethylene [HDPE], etc.)
- Anaerobic digester
- Treatment of escaping air with odor control technologies

Solid Manure Storage Areas

- Cover manure stockpiles with synthetic covers
- Remove manure packs more frequently
- Eliminate stockpiling by more frequent land application
- Incinerate solid manure for electricity
- Composting solid manure

Animal Holding Areas

- Utilize bio-filters or other odor control technology for power ventilated buildings
- Decrease the amount of manure buildup in the animal holding areas

Dead Animal Handling/Processing Areas

- Utilize enclosed and refrigerated dead animal holding area prior to rendering pick-up
- Animal mortality composting

The MPCA will, at its discretion, consider alternatives to the technologies listed above provided proper technical documentation is submitted that illustrates the alternative will undoubtedly minimize the emissions. The MPCA reserves the right to disapprove of the alternative if the MPCA deems the technical documentation incomplete or inaccurate or if the MPCA deems the alternative unsuitable for the unique circumstances at the facility.

The plan of action must identify when the technology will be installed and fully operational and should also identify what temporary measures can be taken to minimize emissions in the event the chosen technology will take a significant amount of time to install and make fully operational. The plan of action will be immediately implemented following approval by the MPCA and become part of this air emission and odor management plan and subsequently an enforceable part of the facility's NPDES/SDS Permit.





Minnesota Pollution Control Agency

520 Lafayette Road North
St. Paul, MN 55155-4194

Emergency Response Plan

NPDES and SDS Permit Program

Feedlot Program

Doc Type: Permit Application

Applicability: This *Emergency Response Plan* is to be used in case of an emergency spill, leak, or failure at the production facility or land application area and to assist with response to catastrophic animal mortality events (barn fires, tornadoes, etc.). You must submit this form as part of an application for National Pollutant Discharge Elimination System (NPDES) or State Disposal System (SDS) feedlot permit coverage.

Facility name: Lone Oak Farm, Inc
Owner/Operator name: Greg Schwarz

Feedlot registration no.: 079-66561
Feedlot permit no.: _____

List of critical phone numbers and contacts

	Contact person (or Company)	Phone number	
Emergency contacts			
• Fire/Ambulance	-----	911	
• County Sheriff	Le Sueur Co	507-357-4440	
Agency contacts			
• Minnesota Duty Officer	-----	1-800-422-0798	Provide the Minnesota Duty Officer:
• Minnesota Pollution Control Agency (MPCA) Field Office	Mankato	507-389-5977	
• County Feedlot Officer (CFO)	Amy Beatty	507-357-8538	
• Board of Animal Health Contact	Dr. Greg Suskovic	651-238-2503	
• Insurance company			
• Gopher State One Call	-----	1-800-252-1166	• Your contact information
• Anez Consulting, Inc	Jeff	320-235-1970	• Incident location, date, and time
Local vendors for spill and/or catastrophic mortality response assistance			
• Manure pumper			• For spills
• Manure loading equipment	Greg Schwarz	507-665-2777	- spill type
• Earth moving equipment	Greg Schwarz	507-665-2777	- spill amount
• Tiling equipment	Greg Schwarz	507-665-2777	- surface water or field tile impacted
• Containment/Absorption materials (hay, straw, cornstalks, sawdust)	Greg Schwarz	507-665-2777	• Progress made in response to the spill or catastrophic mortality event
•			

Manure Spill Emergency Response Procedures*

- Immediately stop the source of a liquid manure leak or spill:
 - Turn off pumps or valves
 - Clamp hoses or park tractor on hoses
- Contain spilled manure:
 - Use skid loader or tractor with blade to make berms
 - Install bale checks and block downstream culverts
 - Insert sleeves around tile intakes (or plug/cap)
 - Use tillage equipment to work ground ahead of spill
 - Use absorptive materials
- Make necessary phone calls as listed in the chart above:
 - Notify Minnesota Duty Officer at 1-800-422-0798
 - Notify sheriff's office if spilled on public roads or right-of-ways
- Cleanup:
 - Clean up spill immediately from road and roadside
 - Clean up all material, including the contaminated soil, as soon as possible by scraping, or by other means
 - Land apply manure at agronomic rates or place manure back in the manure storage area/ solid manure stockpile
 - Follow recommendations of MPCA staff and/or CFO
 - Restore site to its original conditions
 - If rain is expected prior to completion of cleanup; actions need to be taken to contain manure contaminated runoff from solid manure spills
- Document your actions:
 - Keep records of all actions related to the spill and follow up activities

*A detailed site map should be displayed on site to assist employees identify sensitive receptors near the facility (surface water, wells, tile intakes, etc.).

Catastrophic Animal Mortality Response

- Make necessary phone calls as listed in the chart above:
 - Notify Minnesota Duty Officer at 1-800-422-0798
 - Notify Minnesota Board of Animal Health
 - Notify MPCA and CFO
- Cleanup
 - Dispose of mortalities according to recommendations of MN Board of Animal Health Representative
 - Locate disposal area for mortalities to prevent impacts to surface and/or groundwater (consult MPCA/CFO)
- Document your actions
 - Keep records of all actions related to the animal mortality disposal activities

If burial of animal mortalities is necessary, the burial site must meet the following:

- Located 1000 feet from lakes and 300 feet from rivers and streams
- Mortalities are not buried within 5 feet of the seasonal water table
- Mortalities are not buried within 10 feet of karst susceptible bedrock
- Soils are not sandy or gravelly

Describe approximate location(s) of potential burial site(s) below:

9-T111-R25

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BY: _____

May 31, 2017

Anez Consulting, Inc.
1700 Technology Dr. NE, #130
Willmar, MN 56201



Ronda Schleeve
Sharon Township Clerk
29008 E Hwy 112
Le Sueur, MN 56058

Dear Ronda,

This letter is to inform Sharon Township that Greg Schwarz, 30012 Lexington Rd, Le Sueur, MN 56058 has applied to Le Sueur County to modify a feedlot permit with over 500 animal units.

The feedlot is located in the NE $\frac{1}{4}$ of the NW $\frac{1}{4}$ and the NW $\frac{1}{4}$ of the NE $\frac{1}{4}$, Section 9, Sharon Township, Le Sueur County and is permitted for 24,700 turkeys over 5 pounds. (444.6 AU)

The existing site has two 60' x 560' total confinement turkey barns with on floor manure pack manure storage. The applicant is proposing to add a 60' x 112' addition on to the end of each facility. The applicant is proposing to construct two additional 60' x 672' total confinement turkey barns with on floor manure pack manure storage. There will be a total of 54,500 turkeys over 5 pounds at the site. (981 AU)

The total animal units will be 981.

Sincerely,

A handwritten signature in black ink that reads "Jeff Bauman".

Jeff Bauman
Ag Nutrient Consultant
jeff@anezconsulting.com
(320) 262 – 5713 office
(320) 894 – 3716 cell



1700 Technology Dr. NE, Suite 130, Willmar, MN 56201 320.235.1970 Fax 320.235-1986
www.AnezConsulting.com

LE SUEUR NEWS-HERALD

PRE PAID LEGAL
311 S MINNESOTA AVE
ST PETER MN 56082

REFERENCE: 52760
4102756 FEEDLOT PERM

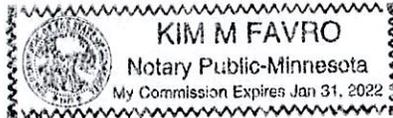
I do solemnly swear that a copy of the notice, as per the clipping attached, was published in the regular and entire edition of the Le Sueur News Herald, a newspaper of general circulation, published in Le Sueur, County of Le Sueur, State of Minnesota, and not in any supplement. The newspaper has complied with all the requirements constituting qualifications as a legal newspaper, as provided by Minnesota statutes 331A.02, 331A.07, and all other applicable laws, as amended. The attached advertisement appeared in the issue(s) listed below.

Authorized Agent Colleen E Rolling

Sworn to before me this 10 day of July 20 17

Kim M Favro
Notary Public, Le Sueur County, Minnesota

PUBLISHED ON: 05/10



TOTAL COST: 87.40
FILED ON: 05/10/17

Lowest classified rate: \$15.80 per inch
Maximum rate allowed by law: \$14.40 per inch

Notice of Application
To Permit a Livestock Feedlot

Notice is hereby given per
Minnesota Statute 116.07
subd. 7 (a) that

Greg Schwarz
30012 Lexington Rd
Le Sueur MN 56058

has applied to Le Sueur County
to modify a feedlot permit with
over 500 animal units.

The feedlot is located in the NE
1/4 of the NW 1/4 and the NW
1/4 of the NE 1/4, Section 9,
Sharon Township, Le Sueur
County and is permitted for
24,700 turkeys over 5 pounds.
(444.6 AU)

The existing site has two 60' x
560' total confinement turkey
barns with on floor manure pack
manure storage. The applicant is
proposing to add a 60' x 112'
addition on to the end of each
facility. The applicant is
proposing to construct two
additional 60' x 672' total
confinement turkey barns with on
floor manure pack manure
storage. There will be a total of
54,500 turkeys over 5 pounds at
the site. (981 AU)

The total animal units will be
981.

This publication shall constitute
as notice to each resident and
each owner of real property
within 5000 feet of the perimeter
of the proposed feedlot as
required by Minnesota State
Law.

4102756 LSH 5/10

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BY: _____

Notice of Application To Permit A Livestock Feedlot

Notice is hereby given per Minnesota Statue 116.07 subd, 7 (a) that

Greg Schwarz
30012 Lexington Rd
Le Sueur, MN 56058

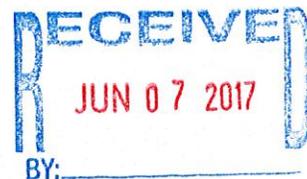
has applied to Le Sueur County to modify a feedlot permit with over 500 animal units.

The feedlot is located in the NE $\frac{1}{4}$ of the NW $\frac{1}{4}$ and the NW $\frac{1}{4}$ of the NE $\frac{1}{4}$, Section 9, Sharon Township, Le Sueur County and is permitted for 24,700 turkeys over 5 pounds. (444.6 AU)

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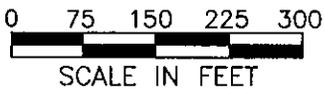
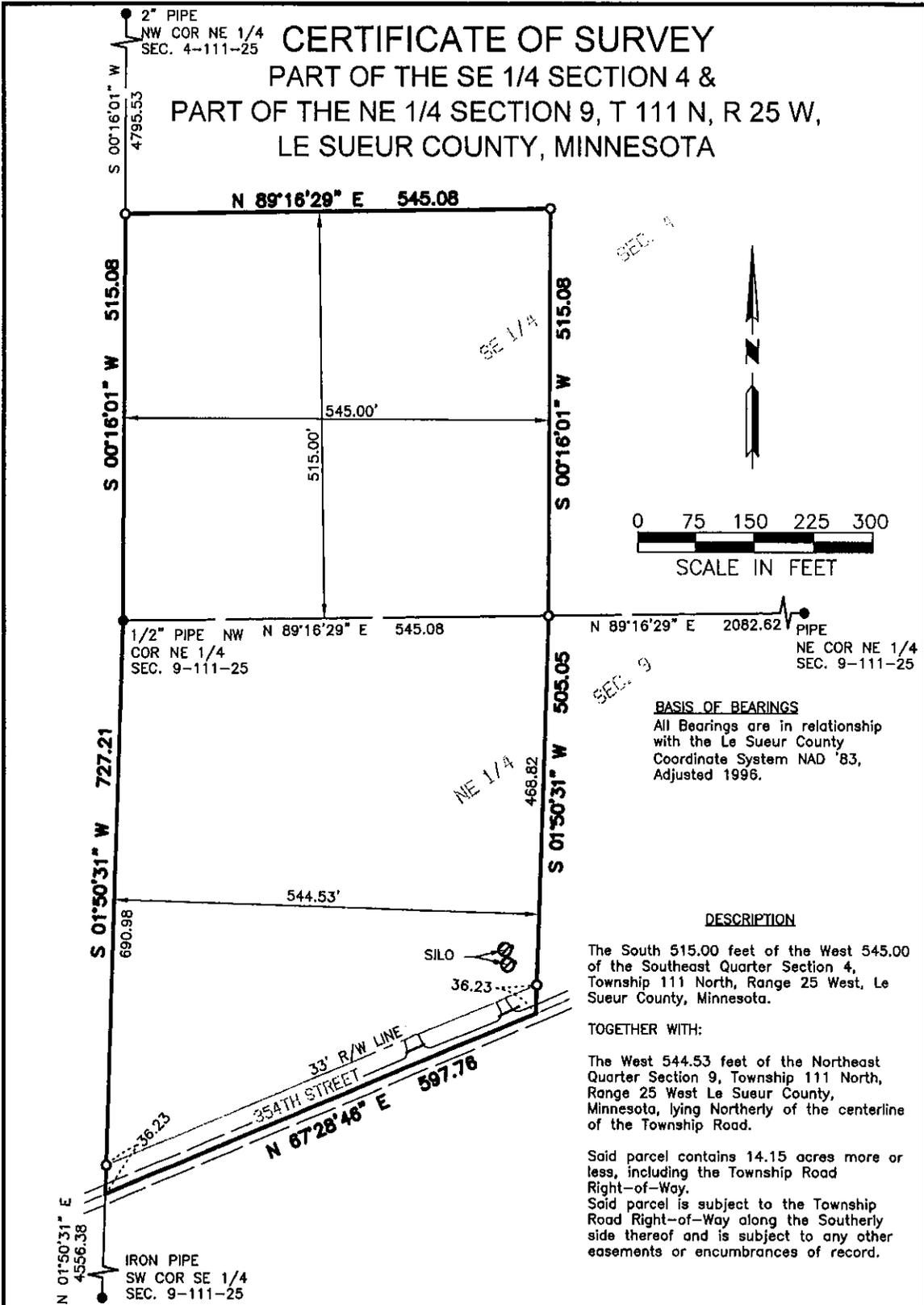
The total animal units will be 981.

This publication shall constitute as notice to each resident and each owner of real property within 5000 feet of the perimeter of the proposed feedlot as required by Minnesota State Law.



1700 Technology Dr. NE, Suite 130, Willmar, MN 56201 320.235.1970 Fax 320.235-1986
www.AnezConsulting.com

CERTIFICATE OF SURVEY
 PART OF THE SE 1/4 SECTION 4 &
 PART OF THE NE 1/4 SECTION 9,
 T 111 N, R 25 W,
 LE SUEUR COUNTY, MINNESOTA



BASIS OF BEARINGS
 All Bearings are in relationship with the Le Sueur County Coordinate System NAD '83, Adjusted 1996.

DESCRIPTION

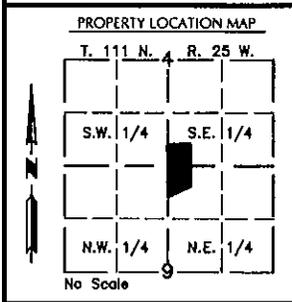
The South 515.00 feet of the West 545.00 of the Southeast Quarter Section 4, Township 111 North, Range 25 West, Le Sueur County, Minnesota.

TOGETHER WITH:

The West 544.53 feet of the Northeast Quarter Section 9, Township 111 North, Range 25 West Le Sueur County, Minnesota, lying Northerly of the centerline of the Township Road.

Said parcel contains 14.15 acres more or less, including the Township Road Right-of-Way.

Said parcel is subject to the Township Road Right-of-Way along the Southerly side thereof and is subject to any other easements or encumbrances of record.



MASSEY
 LAND SURVEYING & ENGINEERING
 P.O. BOX 100, KASSON, MN 55944
 PH. NO. 507-634-4505, FAX NO. 507-634-6660

I hereby certify that this survey, plan, or report was prepared by me or under my direct supervision and that I am a duly Licensed Land Surveyor under the laws of the State of Minnesota.

Date 4-20-17

Richard J. Massey LIC. NO.: 41814

THIS SURVEY AND DRAWING WAS PREPARED FOR THE EXCLUSIVE USE OF:

JOTS
 FARIBAULT, MN

MONUMENTS

- FOUND (AS INDICATED)
- SET (5/8" PIPE UNLESS NOTED OTHERWISE)

DATE: 4/18/2017

DWG NO. 2842SC01 JOB NO. 2642

DRAWN BY: R.W.Z. SHEET 1 OF 1

Manure Storage, Handling, and Testing Information



Facility Name: Lone Oak Farm, Inc NPDES or SDS Permit? No Permit Number: _____
 Owner/Operator Name: Greg Schwarz Date Last Revised: 5/31/2017 Registration Number: 079-66561

Version 7.05 Last Updated: 10/12/16

Manure Sources	Manure Source #1	Manure Source #2	Manure Source #3	Manure Source #4
Description of Manure Source <small>Group sources with similar nutrient content, if they have identical animal type, water usage, feed rations, and manure storage</small>	Existing Turkey Barns	New Turkey Barns		
Livestock Information				
Predominate Animal Type <small>(Contributing to Manure Source)</small>	Turkeys	Turkeys		
Average Animal Weight	25 lbs	25 lbs		
Animal Number	27,250	27,250		
Length of Time Livestock Spend In Facility <small>(Contributing to Manure Source)</small>	350 days/yr	350 days/yr		
Average Animal Weight				
Animal Number				
Length of Time Livestock Spend In Facility				
Storage Information				
Storage Type	Litter	Litter		
Capacity	2,000 tons	2,000 tons		
Storage Length	365 days	365 days		
Application Methods				
Commercial Applicator (Yes/No or Name)	B & H Trucking & Spreading	B & H Trucking & Spreading		
Spreader Type	Solids Spreader	Solids Spreader		
How Volume/Tonnage Determined per Load	Spreader Volume	Spreader Volume		
How Application Rate is Calibrated	Acres Covered by One Load	Acres Covered by One Load		
Manure Analysis - Existing facilities should use actual manure test results				
Sampling Frequency	Every Year	Every Year		
Sampling Methods	Stockpile Composite	Stockpile Composite		
Date Last Analyzed	11/04/16			
Basis for N, P, & K Values Below	This Year's Sample	Estimate		
Total N - (do not enter lab estimated availability)	43 lbs/ton	43 lbs/ton		
Total P ₂ O ₅ - (do not enter lab estimated availability)	44 lbs/ton	44 lbs/ton		
Total K ₂ O - (do not enter lab estimated availability)	34 lbs/ton	34 lbs/ton		
Annual Generation - Existing facilities should use actual production values				
Total Manure Produced per Year (Estimated)	2,310 tons	2,310 tons		
Total Manure Produced per Year (Actual)	2,000 tons	2,000 tons		
Annual N Produced	86,600 lbs	86,000 lbs		
Annual P ₂ O ₅ Produced	87,600 lbs	88,000 lbs		
Annual K ₂ O Produced	68,300 lbs	68,000 lbs		
Average Book Values				
N	40	40		
P ₂ O ₅	50	50		
K ₂ O	30	30		

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Sensitive Features Management Worksheet

This worksheet identifies all allowable techniques that can be used to provide protection to sensitive features as required in Minnesota Rules and/or permit conditions. One of the following measures must be employed for the applicable sensitive feature. Any of the identified practices are acceptable.

Tile Intakes

- Option A - Inject or incorporate within 24 hours and prior to rainfall within 300 ft, observe a 25 ft non-manured setback, and avoid long term soil P build-up
- Option B - Inject or incorporate within 24 hours and prior to rainfall within 300 ft.
- Option C - 35 ft grassed buffer
- Option D - 100 ft setback with at least 16.5 ft as grassed buffer

Drainage Ditches

- Option A - Inject or incorporate within 24 hours and prior to rainfall within 300 ft, observe a 25 ft non-manured setback, and avoid long term soil P build-up
- Option B - 50 ft wide grassed buffer
- Option C - 100 ft setback with at least 16.5 ft as grassed buffer
- Option D - Protective Berm (prohibits runoff from entering the ditch)

Lakes, Rivers, and Streams

- Option A - Inject or incorporate within 24 hours and prior to rainfall within 300 ft, observe a 25 ft non-manured setback, and avoid long term soil P build-up
- Option B - 100 ft wide grassed buffer
- Option C - 100 ft setback with at least 16.5 ft as grassed buffer

Intermittent Streams and/or Public Waters Wetlands (over 10 acres)

- Option A - Inject or incorporate within 24 hours and prior to rainfall within 300 ft, observe a 25 ft non-manured setback, and avoid long term soil P build-up
- Option B - 50 ft wide grassed buffer
- Option C - 100 ft setback with at least 16.5 ft as grassed buffer

Wells, Mines, or Quarry

- Option A - 50 ft setback - minimum (100 ft if NPDES permitted)

Sinkholes

- Option A - Inject or incorporate within 24 hours and prior to rainfall upslope and within 300 ft and observe a 50 ft non-manured setback (100 ft non-manured setback for NPDES)
- Option B - Berm that prevents runoff from entering the sinkhole

Application of Manure During the Summer Months (June, July, and August)

- Option A - A cover crop will be planted on all fields that receive manure applications during June, July, and August

Other Conduits to Water

- Option A - Inject or incorporate within 24 hours and prior to rainfall within 300 ft, observe a 25 ft non-manured setback, and avoid long term soil P build-up
- Option B - 50 ft wide grassed buffer
- Option C - 100 ft setback with at least 16.5 ft as grassed buffer
- Option D - Protective Berm (prohibits runoff from entering the waters)

Early Fall Land Application - Unless otherwise required, this only applies to early fall manure application at NPDES or SDS permitted facilities

- Option A - Fall Application onto fields that are dominated by coarse-textured soils shall be delayed until soil temperatures in the upper six (6) inches, are less than 50 degrees Fahrenheit, unless otherwise first approved by the MPCA.

Soil Erosion Conservation Measures - Required for ANY field used for winter application and for ALL fields at NPDES permitted sites

- Option A - Establish grassed waterways
- Option B - Contour stripcropping
- Option C - No-Till cropping
- Option D - Terracing
- Option E - Meet tolerable soil erosion rates ("T") as defined by NRCS
- Option F - Use rotations that include other than row crops (alfalfa, grass, etc)
- Option G - Chisel or disk tillage with residue
- Option H - Field edge buffers
- Option I - Contour buffer strip
- Option J - Sediment control basin
- Option K - Plant a cover crop on bare ground



Sensitive Features Management Worksheet

Even though no specific measures are required in Minnesota Rule, a complete MMP is required to identify measures that will be used to provide protection to the following areas. This worksheet will assist you in identifying which techniques will be used to provide protection to the following sensitive features even though **no specific practices are required** in Minnesota Rules.

This worksheet identifies possible techniques that can be used to provide protection to the following sensitive features. One of the following measures will be employed for the applicable sensitive feature. Any of the identified practices are acceptable.

Wetlands Under 10 Acres (uncultivated)

No specific state requirements unless a public waters wetland or other permit conditions apply.

- Option A - Observe a non-manured setback
- Option B - Maintain a grass buffer
- Option C - Incorporate manure near the wetland
- Option D - Prevent long term soil P buildup
- Option E - Utilize soil conservation practices
- Option F - Other: _____

Public Well Management Area & Drinking Water Supply Management Areas

No specific state requirements unless other permit conditions apply.

- Option A - Observe a non-manured setback
- Option B - Follow practices recommended in city wellhead protection plan
- Option C - Soil nitrate test will be used to refine nitrogen rate management decisions
- Option D - Apply no earlier than late October or when soil temperatures are less than 50°F
- Option E - Other: _____

Shallow Bedrock - less than 3 feet of soil over limestone bedrock

No specific state requirements unless other permit conditions apply.

- Option A - Use composted manure or other process which kill bacteria
- Option B - Maximize separation between fractured bedrock and manure
- Option C - Incorporate manure
- Option D - Other: _____

Floodplain

No specific state requirements unless other permit conditions apply.

- Option A - Avoid manure application during peak flooding periods
- Option B - Incorporate or inject manure when there is a risk of flooding
- Option C - Avoid winter-time manure applications
- Option D - Other: _____

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High Soil Test Phosphorus Management

This worksheet identifies all allowable techniques that will be used to manage soil phosphorus levels as required in Minnesota Rules. Based upon the soil test results for the field(s), one of the following measures will be employed to manage soil phosphorus levels on land where manure will be applied. Any of the identified practices are acceptable.

Soil Phosphorus: 22-75 ppm Bray or 17-60 ppm Olsen

Option A - Manure will **NOT** be applied within 300 ft of open tile intakes (NPDES Permits only), lakes, streams, intermittent streams, public waters wetlands, or drainage ditches without protective berms (indicate setbacks on aerial photos)

Option B - I will maintain or reduce soil P levels in this field over a six year period. (Example calculations are provided below)

- Step 1 - Multiply expected crop yields by the P removal of the crop (Table C of this planner) and determine the average crop P removal over 6 years
Ex. 170 bu Corn $[170 * 0.34] = 58 \text{ lbs P removed/year}$ & **45 bu Soybeans** $[45 * 0.82] = 37 \text{ lbs P removed/year}$ (Average of 48 lbs P removed/yr)
- Step 2 - Determine the amount of P that is typically applied in manure applications
Ex. 4000 gals/ac * 35 lbs P/1000 gals * 0.8 = 112 lbs P applied
- Step 3 - Divide step 2 by the average in step 1. (112 lbs P applied/48 lbs P removed = 2.3) Then take 6 years divided by this result and round down.
Ex. 112 lbs P applied/48 lbs P removed = 2.3 THEN 6 years/2.3 = 2.6 (round down to 2 out of 6 years manure can be applied)

Soil Phosphorus: 76-150 ppm Bray or 61-120 ppm Olsen

Option A - Manure will **NOT** be applied within 300 ft of open tile intakes, lakes, streams, intermittent streams, public waters wetlands, or drainage ditches without protective berms (indicate setbacks on aerial photos)

Option B - Use the University of MN soil P index and apply to fields with a low or very low rating and maintain or reduce soil P over six years
 The *Minnesota Soil Phosphorus Index* can be found at : <https://www.swac.umn.edu/extension-outreach/phosphorusloss>

Option C - I will follow all NRCS 590 standards in accordance with the table below and maintain or reduce soil P over six years

Field within 300 feet of waters	Effective 100ft Grassed Buffer	Sheet and Rill Erosion (ton/acre-year)	Manure Application Allowed
No	Yes or No	Any Rate	Yes
Yes	Yes or No	More than 6	No
Yes	No	Less than 4	P removal basis
Yes	No	4 to 6	No
Yes	Yes	Less than 6	P removal basis

Soil Phosphorus: Over 150 ppm Bray or Over 120 ppm Olsen

Option A - Use the University of MN soil P index and apply to fields with a low or very low rating and maintain or reduce soil P over six years
 The *Minnesota Soil Phosphorus Index* can be found at : <https://www.swac.umn.edu/extension-outreach/phosphorusloss>

Option B - I will follow all NRCS 590 standards in accordance with the table below and maintain or reduce soil P over six years

Field within 300 feet of waters	Effective 100ft Grassed Buffer	Sheet and Rill Erosion (ton/acre-year)	Manure Application Allowed
Yes	Yes or No	More than 6	No
Yes	No	Any Rate	No
Yes	Yes or No	2 or less	P removal basis
Yes	Yes or No	More than 2	No
No	No	Less than 4	P removal basis
No	No	More than 4	No
No	Yes	Less than 4	Yes
No	Yes	4 to 6	P removal basis
No	Yes or No	More than 6	No

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6 Year Soil Phosphorus Management Plan

When soil phosphorus levels are required to be maintained (or reduced) over a 6 year period, one of the following crop rotation scenarios will be employed for the applicable field or area near sensitive features. You must complete at least one rotation below or indicate that manure will not be applied within 300 feet of sensitive features.

Manure will not be applied within 300 ft of open tile intakes, lakes, streams, intermittent streams, public waters wetlands, or drainage ditches without protective berms (w hen checked there is no need to complete scenarios below - text will be gray if not applicable due to extremely high soil P test)

	Scenario 1	Scenario 2	Scenario 3	Scenario 4	Scenario 5	Scenario 6	Scenario 7	Scenario 8
Crop (Year 1)	Corn 200 bu	Corn 200 bu	Corn 200 bu	Corn 200 bu	Corn 200 bu	Corn 200 bu	Corn 200 bu	Corn 200 bu
Yield								
Manure Application Source (1-12) & Rate	1 3 tons	1 5 tons	2 3.25 tons					
2 nd Manure Application Fertilizer P (total)	lbs	lbs	lbs					
Crop (Year 2)	Corn 200 bu	Corn 200 bu	Soybeans 55 bu	Corn 200 bu	Corn 200 bu	Corn 200 bu	Corn 200 bu	Corn 200 bu
Yield								
Manure Application Source (1-12) & Rate	1 2 tons							
2 nd Manure Application Fertilizer P (total)	lbs	lbs	lbs					
Crop (Year 3)	Soybeans 55 bu	Soybeans 55 bu	Corn 200 bu	Corn 200 bu	Corn 200 bu	Corn 200 bu	Corn 200 bu	Corn 200 bu
Yield								
Manure Application Source (1-12) & Rate			2 3.25 tons					
2 nd Manure Application Fertilizer P (total)	lbs	lbs	lbs					
Crop (Year 4)	Corn 200 bu	Corn 200 bu	Soybeans 55 bu	Corn 200 bu	Corn 200 bu	Corn 200 bu	Corn 200 bu	Corn 200 bu
Yield								
Manure Application Source (1-12) & Rate	1 3 tons	1 5 tons						
2 nd Manure Application Fertilizer P (total)	lbs	lbs	lbs					
Crop (Year 5)	Corn 200 bu	Corn 200 bu	Corn 200 bu	Corn 200 bu	Corn 200 bu	Corn 200 bu	Corn 200 bu	Corn 200 bu
Yield								
Manure Application Source (1-12) & Rate	1 2 tons		2 3.25 tons					
2 nd Manure Application Fertilizer P (total)	lbs	lbs	lbs					
Crop (Year 6)	Soybeans 55 bu	Soybeans 55 bu	Soybeans 55 bu	Soybeans 55 bu	Soybeans 55 bu	Soybeans 55 bu	Soybeans 55 bu	Soybeans 55 bu
Yield								
Manure Application Source (1-12) & Rate								
2 nd Manure Application Fertilizer P (total)	lbs	lbs	lbs	lbs	lbs	lbs	lbs	lbs

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By: _____

Results

P Applied over 6 Yrs	350 lbs	318 lbs	350 lbs	318 lbs	350 lbs	318 lbs	350 lbs	318 lbs
P Removed over 6 Yrs	370.2 lbs	370.2 lbs	345.3 lbs	370.2 lbs	370.2 lbs	345.3 lbs	370.2 lbs	345.3 lbs
Will Rotation Build Soil Phosphorus Levels?	No	No	No	No	No	No	No	No

Nutrient Application Planning Worksheet (Fields 1-25)

Manure Source Summary

Source 1: Existing Turkey Barns (43-3-43.8-34.15)	Source 5:	Source 9:
Source 2: New Turkey Barns (43-44-34)	Source 6:	Source 10:
Source 3:	Source 7:	Source 11:
Source 4:	Source 8:	Source 12:

I will transfer ownership of some of the manure.

Field Information Summary		Crops Grown Summary		Nutrients Needed to Meet Yield Goal (lb/acre)			Manure Application Information (Nutrients for the 2018 Crop)				Nitrogen (lb N/ac)		Phosphorus (lb P ₂ O ₅ /ac)			
Field ID	Acres After Setbacks	Crop Grown to Utilize the Nutrients Applied	Crop Most Recently Harvested	Nitrogen Needs	Nitrogen (Removal)	Phosphorus (Needs)	Manure Source (1-12)	Method of Application and Incorporation	Acres Receiving Manure (reduce to split the field)	Manure Application Rate		N from Manure (Available this year)	Total Fertilizer Application (lbs/acre)	P from Manure (Available this year)	Total Fertilizer Application (lbs/acre)	P in Excess of Removal (negative for deficiency)
										Calculated Max Rate based on Nitrogen	Planned Rate max used if blank					
Donny Antonsen	74	Corn	Corn	115	---	0	1	Incorp. within 4 days	74	3	3	71	0	105	0	32
MT Thelemann West	21	Corn	Soybeans	140	---	0	1	Incorp. within 4 days	21	6	5.5	143	3	210	0	137
MT Thelemann East	53	Corn	Soybeans	140	---	0	1	Incorp. within 4 days	53	6	5.5	143	3	210	0	137
Jim	34	Corn	Corn	126	---	0	1	Incorp. within 4 days	34	3	3	71	0	105	0	32
WI 37	37	Corn	Corn	180	---	0	1	Incorp. within 4 days	37	5	5	119	0	175	0	102
WI 65	58	Corn	Corn	180	---	0	1	Incorp. within 4 days	58	5	5	119	0	175	0	102
MM 82	116	Corn	Soybeans	140	---	0	1	Incorp. within 4 days	116	6	5.5	143	3	210	0	137
GPA 106	99	Soybeans	Corn	---	220	0	---					---		---		-62
W38	38	Corn	Corn	137	---	0	2	Incorp. within 4 days	38	3	3	71	0	106	0	33
ULR 40	34	Corn	Corn	137	---	0	---					---		---		-74
ES 130	130	Corn	Corn	137	---	0	2	Incorp. within 4 days	130	3	3	71	0	106	0	33
LAM 45/67	112	Soybeans	Corn	---	263	0	---					---		---		-62
OT	74	Corn	Soybeans	140	---	0	2	Incorp. within 4 days	74	6		142	2	211	0	138
HK	85	Corn	Soybeans	140	---	0	2	Incorp. within 4 days	85	6		142	2	211	0	138
Grieves GG25	25	Corn	Corn	180	---	0	1	Incorp. within 4 days	25	5	5	119	0	175	0	102
Ant E40 (Silage Pile)	38	Soybeans														
Ant W40	39	Corn	Corn	180	---	66	2	Incorp. within 4 days	39	5	5	118	0	176	0	103
West of Grove	15	Corn	Soybeans	140	---	0	1	Incorp. within 4 days	15	5	5	119	0	175	0	102
West of Don's	54	Soybeans	Corn	---	263	0	---					---		---		-62
Leroy's	80	Corn	Soybeans	140	---	0	2	Incorp. within 4 days	80	5	5	118	0	176	0	103

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BY: _____

MMP for Transferred Manure Ownership



Please answer the following questions:

- 1) Is the portion of manure that is transferred from the feedlot facility applied onto land that is owned, leased, or rented by the feedlot owner/operator?
 Yes No
- 2) For manure application sites not owned, leased, or rented by the feedlot owner/operator; have you as the feedlot owner/operator or employees working under your direction been given control of the field and nutrient planning decisions, including planning for manure application rates, timing, and methods?
 Yes No

Name of feedlot facility or operator: Lone Oak Farm, Inc

Registration No.: 079-66561

Permit No.: _____

Describe the manure storage and handling system and the expected amount of manure and nutrients that will need to be land applied.

- a) How is the manure stored and handled? What happens to the manure from the time it is generated to the time it is either sold or land applied? Where is it kept? For how long?
This information is found on the Manure Storage, Handling, and Testing Information worksheet
- b) How many months can manure be stored before the storage capacity is exceeded?
This information is found on the Manure Storage, Handling, and Testing Information worksheet
- c) When will manure be provided to the recipient? Any month of the year depending on cleanout schedule
Which months do you expect that manure will be applied? April, May, September, October, November
- d) How much manure is removed from barns or storage areas per year and will need to be land-applied?
This information is found on the Manure Storage, Handling, and Testing Information worksheet
- e) How much of this manure will be transferred ownership?
The amount of manure remaining as identified within the table at the bottom of the Nutrient Application worksheet
- f) How much nitrogen and phosphorus will need to be land applied per year?
This information is found on the Manure Storage, Handling, and Testing Information worksheet
- g) For new or expanding feedlot facilities, how will you ensure that there is enough land available for spreading manure in accordance with allowable rates; and that land owners are willing to accept/purchase the manure?

Agreement with local farmer

Describe the manure application methods and equipment.

- a) What are the anticipated methods of manure application? (check all that apply)

Broadcast with Incorporation Broadcast without Incorporation Injection Unknown

Describe your nutrient testing methods, the frequency of testing, and the expected nutrient content of the manure.

- a) How often will manure be sampled and sent to a laboratory for nutrient analysis?
*At a minimum, annually for the first three years and once every four years thereafter.
Sampling will also be done when conditions change that may alter the nutrient content of the manure.*
- b) How will manure samples be collected to ensure that representative samples are obtained for nutrient analysis?
In accordance with University of Minnesota Extension Guidelines
- c) What is the expected nutrient content of manure to be collected?
This information is found on the Manure Storage, Handling, and Testing Information worksheet

Describe how Minnesota's manure application requirements will be provided to manure recipients.

- a) Attach a copy of the manure application requirements that you will provide to all recipients of your transferred manure.
I will use the MPCA developed guidance in Attachment A or an equivalent form that I have attached.
- b) How will you, as a feedlot owner/operator, maintain records associated with the manure transfer and land application sites/rates?
I will use the MPCA developed guidance in Attachment B or an equivalent form that I have attached.
- c) How will you provide the manure recipient with manure nutrient test results and expected nutrient content?
I will use the MPCA developed guidance in Attachment B or an equivalent form that I have attached.



Land Application of Manure Records (Fields 1-19)



Be sure to make any changes necessary to represent the actual nutrient application (including dates of manure application) that occurred during the indicated crop year.

Cropping Year: September 1, 2016 to August 31, 2017 Crop Land Manger's Name: _____

Name of Facility Where Manure is Generated: Lone Oak Farm, Inc

Name of Licensed Commercial Animal Waste Technician Used: B & H Trucking & Spreading

Registration/Permit Number: 079-66561

License Number: 20052499

Manure Analysis Results - Entries must represent manure applied. (A recent sample, or a running average, can be used)			
Source ID	Description	Animal Type	Storage Type
Manure Source #1:	Existing Turkey Barns	Poultry	Litter
Manure Source #2:	New Turkey Barns	Poultry	Litter
Manure Source #3:			
Manure Source #4:			
Manure Source #5:			
Manure Source #6:			
Manure Source #7:			
Manure Source #8:			
Manure Source #9:			
Manure Source #10:			
Manure Source #11:			
Manure Source #12:			

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BY: _____

Field Information	Soil Testing Information (Test required once every 4 yrs)			Crop Information				Manure Application Information (Nutrients for the 2017 Crop) (Typically Applied 9/1/2016 to 8/31/2017)				Nitrogen Application Rates (lb N/ac)			Phosphorus Application Rate (lb P ₂ O ₅ /ac)						
	Year of Most Recent Test	Soil Test Phosphorus Field Average (ppm)	Organic Matter	Crop Grown to Utilize the Nutrients Applied	Crop Most Recently Harvested	Expected Yield	(crop receiving manure)	N Needs (lb/ac)	P2O5 Needs (lb/ac)	(based on soil test data)	Manure Source (1-12)	Dates of Application	Application Rate Per Acre	Method of Application and Incorporation	Irrigation Water N Applied + Carry-Over N	Last Year's Manure	Manure N This Year's	Total Available N This Year	Fertilizer P Applied	Manure P This Year's	Total Available P This Year
Example	2006	9 Olsen	Med/High	Corn	Soybeans	180	140	55	1	10/15 - 10/16	3000	Incorp. within 4 days	5	0	140	145	0	60	60		
Donny Antonsen	2015	33 Bray	Med/High	Corn	Soybeans	210	140	0	1	10/23	6	Incorp. within 4 days				143	143	210	210		
MT Thelemann West				Soybeans	Corn	75	263	0							49				0		
MT Thelemann East				Soybeans	Corn	75	263	0							49					0	
Jim	2013	52 Bray	Med/High	Corn	Corn	210	180	0	1	11/2	5	Incorp. within 4 days				119	119	175	175		
WI 37	2014	15 Olsen	Med/High	Corn	Corn	210	180	8							43				0		
WI 65	2014	37 Bray	Med/High	Corn	Corn	210	180	0							43				0		
MM 82	2014	58 Bray	Med/High	Soybeans	Corn	75	263	0							43				0		
GPA 106	2013	13 Olsen	Med/High	Corn	Corn	210	180	27	1	11/3	4	Incorp. within 4 days				95	95	140	140		
W38	2015	75 Bray	Med/High	Corn	Soybeans	210	140	0	1	10/20	4	Incorp. within 4 days				95	95	140	140		
ULR 40				Corn	Soybeans	210	140	0	1	10/21	4	Incorp. within 4 days				95	95	140	140		
ES 130				Corn	Soybeans	210	140	0	1	10/22	4	Incorp. within 4 days				95	95	140	140		
LAM 45/67	2014	54 Bray	Med/High	Corn	Corn	210	180	0							43				0		
OT	2015	43 Bray	Med/High	Soybeans	Corn	75	263	0							40				0		
HK	2015	50 Bray	Med/High	Soybeans	Corn	75	263	0							40				0		
Grieves GG25	2013	43 Bray	Med/High	Corn	Soybeans	210	140	0							140				0		
Ant E40				Corn	Corn	210	180	0	1	11/4	4	Incorp. within 4 days				95	95	140	140		
Ant W40				Corn	Soybeans	210	140	0							140				0		
West of Grove				Soybeans	Corn	75	263	0							140				0		
West of Don's				Corn	Corn	210	130	0							100				0		

MMP NOTES

This worksheet will allow entry of notes related to the MMP. This can be used to explain a part of the plan, notes regarding fertilizer/pesticide applications, or any other item that is applicable.

Simply start typing in any of the cells below, the cell will auto adjust to accommodate the length of the text entered.

Misc. Notes for all Fields (Enter applicable notes for specific field ID's below)	All Fields will follow set back requirements for sensitive features
Donny Antonsen	
MT Thelemann West	Ditch is gone and has been replaced with a 24 inch pipe.
MT Thelemann East	Ditch is gone and has been replaced with a 24 inch pipe.
Jim	
WI 37	
WI 65	
MM 82	
GPA 106	
W38	
ULR 40	
ES 130	
LAM 45/67	
OT	
HK	
Grieves GG25	
Ant E40 (Silage Pile)	
Ant W40	
West of Grove	
West of Don's	
Leroy's	

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MANURE ANALYSIS REPORT

LONE OAK FARMS INC
30012 LEXINGTON ROAD
LESUEUR MN 56058

Date Received: Nov 4 2016
Date Reported: Nov 9 2016

Account #:
WO #: 17-10396
Lab #: 16-N11842

SAMPLE INFORMATION

Producer: GREG SCHWARZ
Site Name:
Sample ID: JIM

Animal Species: TURKEY
Site No:

ANALYTE	ANALYSIS		TOTAL NUTRIENTS	
	AS RECEIVED		lbs/1000 gal	lbs/Ton
Moisture, Total	45.2	%		
Nitrogen, Total	2.46	%	205	49.2
Ammonium-N	0.89	%	74.3	17.8
Nitrogen, Organic	1.57	%	131	31.4
Phosphorus as P2O5	2.45	%	205	49.0
Potassium as K2O	2.07	%	173	41.4
Sulfur	3310	ppm	27.6	6.6
Zinc	154	ppm	1.3	0.3
Iron	411	ppm	3.4	0.8
Copper	182	ppm	1.5	0.4
Manganese	188	ppm	1.6	0.4
Calcium	11100	ppm	92.4	22.1
Magnesium	3810	ppm	31.8	7.6
Sodium	2390	ppm	19.9	4.8

Estimated 1st Year Available Nutrients *

	lbs/1000gal					lbs/ton		
	Broadcast / Incorporated			Injected		Broadcast / Incorporated		
	None	< 4 days	< 12 hours	Sweep	Knife	None	< 4 days	< 12 hours
N	92	113	144	NA	NA	22	27	34
P2O5	164	164	164	164	164	39	39	39
K2O	156	156	156	156	156	37	37	37

* Based on University of Minnesota Estimated 1st Year Availabilities.

Approved by: *J. Joel Sieh*
J. Joel Sieh
Feed Laboratory Manager

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JUN 07 2017
BY: _____

MVTL guarantees the accuracy of the analysis done on the sample submitted for testing. It is not possible for MVTL to guarantee that a test result obtained on a particular sample will be the same on any other sample unless all conditions affecting the sample are the same, including sampling by MVTL. As a mutual protection to clients, the public and ourselves, all reports are submitted as the confidential property of clients, and authorization for publication of statements, conclusions or extracts from or regarding our reports is reserved pending our written approval.

AN EQUAL OPPORTUNITY EMPLOYER

MINNESOTA VALLEY TESTING LABORATORIES, INC.

MVTL

1126 N. Front St. ~ New Ulm, MN 56073 ~ 800-782-3557 ~ Fax 507-359-2890
 2616 E. Broadway Ave. ~ Bismarck, ND 58501 ~ 800-279-6885 ~ Fax 701-258-9724
 1201 Lincoln Highway ~ Nevada, IA 50201 ~ 800-362-0855 ~ Fax 515-382-3885
 www.mvtl.com

MEMBER
ACIL

MANURE ANALYSIS REPORT

LONE OAK FARMS INC
 30012 LEXINGTON ROAD
 LESUEUR MN 56058

Date Received: Nov 4 2016
 Date Reported: Nov 9 2016

Account #:
 WO #: 17-10396
 Lab #: 16-N11843

SAMPLE INFORMATION

Producer: GREG SCHWARZ
 Site Name:
 Sample ID: DON

Animal Species: TURKEY
 Site No:

ANALYTE	ANALYSIS		TOTAL NUTRIENTS	
	AS RECEIVED		lbs/1000 gal	lbs/Ton
Moisture, Total	49.2	%		
Nitrogen, Total	1.42	%	119	28.4
Ammonium-N	0.65	%	54.3	13.0
Nitrogen, Organic	0.77	%	64.3	15.4
Phosphorus as P2O5	1.82	%	152	36.4
Potassium as K2O	1.44	%	120	28.8
Sulfur	2300	ppm	19.2	4.6
Zinc	124	ppm	1.0	0.2
Iron	5250	ppm	43.8	10.5
Copper	114	ppm	1.0	0.2
Manganese	327	ppm	2.7	0.7
Calcium	11000	ppm	92.1	22.1
Magnesium	4030	ppm	33.6	8.1
Sodium	1610	ppm	13.4	3.2

Estimated 1st Year Available Nutrients *

	lbs/1000gal					lbs/ton		
	Broadcast / Incorporated			Injected		Broadcast / Incorporated		
	None	< 4 days	< 12 hours	Sweep	Knife	None	< 4 days	< 12 hours
N	53	65	83	NA	NA	13	16	20
P2O5	122	122	122	122	122	29	29	29
K2O	108	108	108	108	108	26	26	26

* Based on University of Minnesota Estimated 1st Year Availabilities.

Approved by: *J. Joel Sieh*
J. Joel Sieh
 Feed Laboratory Manager

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MEMBER
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www.mvtl.com

MANURE ANALYSIS REPORT

LONE OAK FARMS INC
30012 LEXINGTON ROAD
LESUEUR MN 56058

Date Received: Nov 4 2016
Date Reported: Nov 9 2016

Account #:
WO #: 17-10396
Lab #: 16-N11844

SAMPLE INFORMATION

Producer: GREG SCHWARZ
Site Name:
Sample ID: DON-2

Animal Species: TURKEY
Site No:

ANALYTE	ANALYSIS AS RECEIVED		TOTAL NUTRIENTS	
			lbs/1000 gal	lbs/Ton
Moisture, Total	58.7	%		
Nitrogen, Total	2.70	%	225	54.0
Ammonium-N	0.94	%	78.5	18.8
Nitrogen, Organic	1.76	%	147	35.2
Phosphorus as P2O5	2.10	%	175	42.0
Potassium as K2O	1.52	%	127	30.4
Sulfur	2500	ppm	20.8	5.0
Zinc	120	ppm	1.0	0.2
Iron	304	ppm	2.5	0.6
Copper	128	ppm	1.1	0.3
Manganese	153	ppm	1.3	0.3
Calcium	10900	ppm	91.1	21.8
Magnesium	3090	ppm	25.8	6.2
Sodium	2010	ppm	16.8	4.0

Estimated 1st Year Available Nutrients *

	lbs/1000gal					lbs/ton		
	Broadcast / Incorporated			Injected		Broadcast / Incorporated		
	None	< 4 days	< 12 hours	Sweep	Knife	None	< 4 days	< 12 hours
N	101	124	158	NA	NA	24	30	38
P2O5	140	140	140	140	140	34	34	34
K2O	114	114	114	114	114	27	27	27

* Based on University of Minnesota Estimated 1st Year Availabilities.

Approved by: *J. Joel Sieh*

J. Joel Sieh
Feed Laboratory Manager



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MANURE ANALYSIS REPORT

LONE OAK FARMS INC
30012 LEXINGTON ROAD
LESUEUR MN 56058

Date Received: Nov 4 2016
Date Reported: Nov 9 2016

Account #:
WO #: 17-10396
Lab #: 16-N11871

SAMPLE INFORMATION

Producer: GREG SCHWARZ
Site Name:
Sample ID: ES

Animal Species: TURKEY
Site No:

ANALYTE	ANALYSIS		TOTAL NUTRIENTS	
	AS RECEIVED		lbs/1000 gal	lbs/Ton
Moisture, Total	55.3	%		
Nitrogen, Total	2.08	%	174	41.6
Ammonium-N	1.00	%	83.5	20.0
Nitrogen, Organic	1.08	%	90.2	21.6
Phosphorus as P2O5	2.40	%	200	48.0
Potassium as K2O	1.80	%	150	36.0
Sulfur	2920	ppm	24.4	5.8
Zinc	150	ppm	1.2	0.3
Iron	1910	ppm	15.9	3.8
Copper	149	ppm	1.2	0.3
Manganese	233	ppm	1.9	0.5
Calcium	12600	ppm	105	25.2
Magnesium	3600	ppm	30.1	7.2
Sodium	2190	ppm	18.3	4.4

Estimated 1st Year Available Nutrients *

	lbs/1000gal					lbs/ton		
	Broadcast / Incorporated			Injected		Broadcast / Incorporated		
	None	< 4 days	< 12 hours	Sweep	Knife	None	< 4 days	< 12 hours
N	78	96	122	NA	NA	19	23	29
P2O5	160	160	160	160	160	38	38	38
K2O	135	135	135	135	135	32	32	32

* Based on University of Minnesota Estimated 1st Year Availabilities.

Approved by: *J. Joel Sieh*
J. Joel Sieh
Feed Laboratory Manager



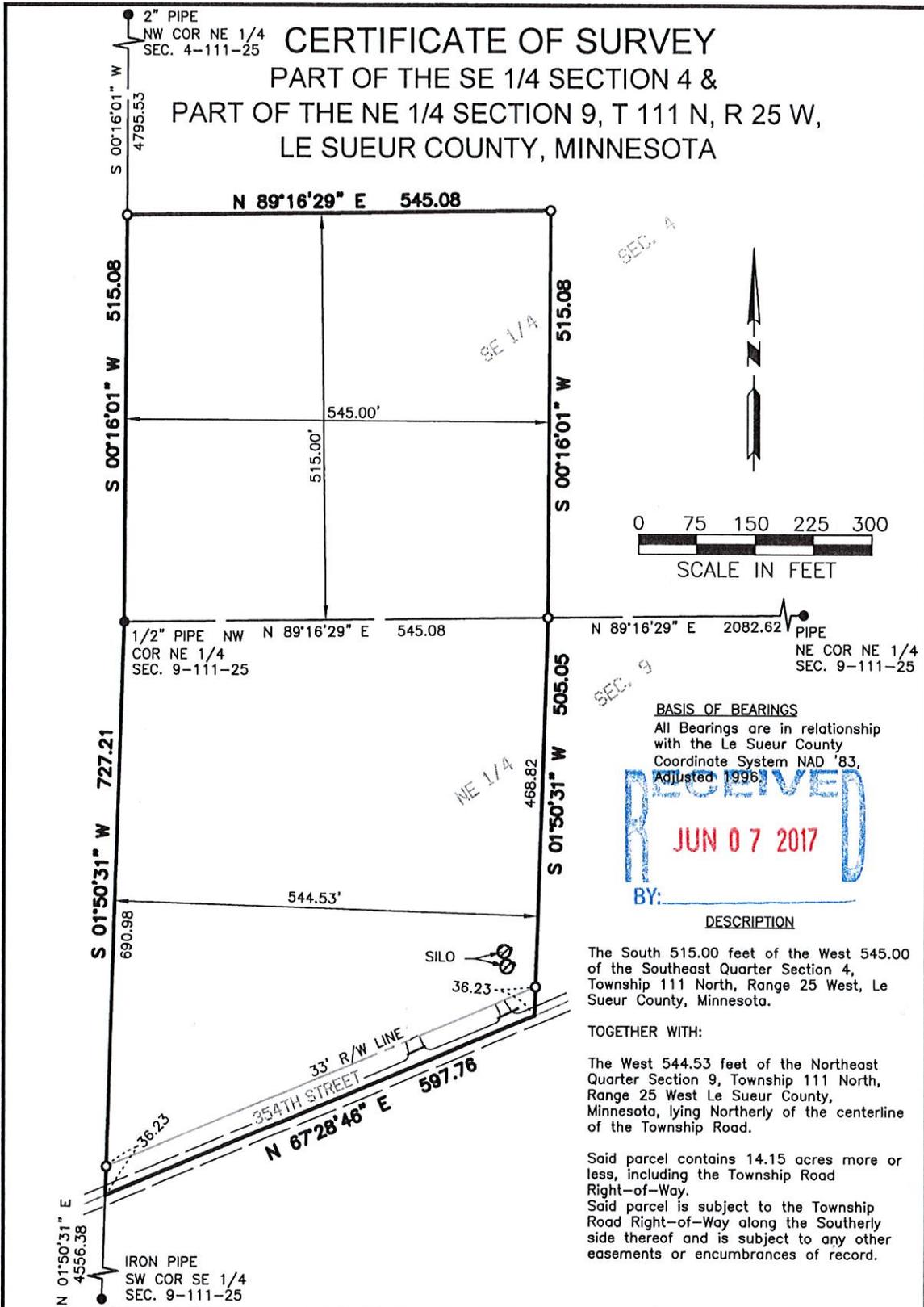
MVTL guarantees the accuracy of the analysis done on the sample submitted for testing. It is not possible for MVTL to guarantee that a test result obtained on a particular sample will be the same on any other sample unless all conditions affecting the sample are the same, including sampling by MVTL. As a mutual protection to clients, the public and ourselves, all reports are submitted as the confidential property of clients, and authorization for publication of statements, conclusions or extracts from or regarding our reports is reserved pending our written approval.

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new Barn location

CERTIFICATE OF SURVEY

PART OF THE SE 1/4 SECTION 4 & PART OF THE NE 1/4 SECTION 9, T 111 N, R 25 W, LE SUEUR COUNTY, MINNESOTA



SEC. 4

SEC. 9

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BASIS OF BEARINGS
All Bearings are in relationship with the Le Sueur County Coordinate System NAD '83, Adjusted 1996.

BY: _____
DESCRIPTION

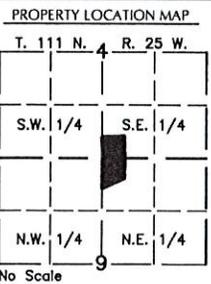
The South 515.00 feet of the West 545.00 of the Southeast Quarter Section 4, Township 111 North, Range 25 West, Le Sueur County, Minnesota.

TOGETHER WITH:

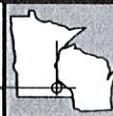
The West 544.53 feet of the Northeast Quarter Section 9, Township 111 North, Range 25 West Le Sueur County, Minnesota, lying Northerly of the centerline of the Township Road.

Said parcel contains 14.15 acres more or less, including the Township Road Right-of-Way.

Said parcel is subject to the Township Road Right-of-Way along the Southerly side thereof and is subject to any other easements or encumbrances of record.



MASSEY
LAND SURVEYING & ENGINEERING
P.O. BOX 100, KASSON, MN 55944
PH. NO. 507-634-4505, FAX NO. 507-634-8560



THIS SURVEY AND DRAWING WAS PREPARED FOR THE EXCLUSIVE USE OF:
JOTS
FARIBAULT, MN

I hereby certify that this survey, plan, or report was prepared by me or under my direct supervision and that I am a duly Licensed Land Surveyor under the laws of the State of Minnesota.

Date 4-20-17
Richard J. Massey LIC. NO.: 41814

MONUMENTS
● FOUND (AS INDICATED)
○ SET (5/8" PIPE UNLESS NOTED OTHERWISE)

DATE: 4/18/2017
DWG NO. 2842SC01 JOB NO. 2842
DRAWN BY: R.W.Z. SHEET 1 OF 1



I hereby certify that this plan, specification or report was prepared by me or under my direct supervision and that I am a duly Registered Professional Engineer under the laws of the State of Minnesota.

Signature: PERMITTING PURPOSES ONLY
 Alan D. Larsen, PE
 Registration No. 25402

Date: _____
 My Registration Expires June 30, 2018

BY: _____

1700 Technology Drive NE
 Suite 130
 Willmar, MN 56201
 (320) 235-1970

JENNIE-O TURKEY STORE
 Greg Schwarz Site
 672' SITE PLAN
 SEC. 4 & 9, TWP. 111N, R. 25W
 LE SUEUR COUNTY, MN.

Scale 1" = 150'	Date 6/1/2017
Project Number	Sheet Number A1

