Goodhue County Land Use Management

Building – Environmental Health – Zoning Departments

509 West 5th Street, Red Wing, MN 55066 651-385-3104

To: Planning Advisory Commission

From: Megan Smith, Land Use Management Director

Mtg. Date: September 15, 2025 Report Date: September 5, 2025

PUBLIC HEARING: Request for Conditional Use Permit for Manure Storage

Request submitted by Eric Ryan (Owner) to allow construction of a new manure storage that is proposed to store up to 3.1 million gallons of manure.

ATTACHMENTS AND LINKS:

Application and submitted project summary

• Site maps prepared by staff

APPLICATION INFORMATION:

Applicant: Eric Ryan (Owner)

Address of Request: 23933 County 9 Blvd, Goodhue, MN 55027

Parcel: 33.024.0401

Zoning: A1- Agricultural Protection

Abbreviated Legal: Part of the SE1/4 of Sec 24 Twp 111 Range 15.

Township Information: Goodhue Township acknowledged the application with a signature

OVERVIEW:

The Planning Advisory Commission will hold a public hearing and consider a request submitted by Eric Ryan, for property located at 23933 County 9 Blvd, Goodhue, MN 55027. Mr. Ryan is requesting a conditional use permit to allow construction of a new manure storage that is 415 feet in length x 218 feet wide x 10 feet deep. The total volume exceeds 500,000 gallons and therefore can only be permitted through a conditional use permit. The proposed capacity is 3,100,000 gallons.

The benefit of larger manure storage is that they allow the farm operator to reduce manure hauling trips, which reduces manure application from daily and weekly, or monthly, or bi-annually, which results in less opportunities of unintentional nutrient runoff, and less odor. It also allows for increased efficiency in the farming operation. The manure will be injected into the ground in the fall and spring during normal conditions.

The farm is permitted for up to 460 animal units.

A variance was granted by the Goodhue County Board of Adjustment on August 25, 2025, to place the manure pit 70 feet from the side yard property line when 100 feet is required, as shown on the site plan.

PROJECT SUMMARY:

Property Information

- The site is currently zoned agricultural use, and is a county registered feedlot.
- The property owner has a home within the project area, and there are 8 additional homes within 1 mile of the site.
- The site is located 3.5 miles east of the city of Goodhue, along Co. Rd. 9
- No wetlands, floodplain, shoreland, or bluff areas exist within the site boundaries.

Proposed Use:

• If approval of the conditional use permit is granted, the use of the property will not change and will remain agricultural.

Accessibility:

- The Right-of-Way authority for County Road 9 is Goodhue County. The site has 3 driveways off of #9, which is atypical.
- The site is located on the corner of Co. #9 and 240th Ave, which is a township road. One driveway exists off of 240th Ave.

Proposed Findings of Fact:

- 1. The conversion of an earthen lagoon with a concrete one does not appear to impede the normal and orderly development and improvement of surrounding vacant property for uses predominant to the area.
- 2. The proposed use will comply with Goodhue Co Zoning Ordinance, Article 4, requirements to obtain a conditional use permit.
- 3. The proposed use will not be injurious to the use and enjoyment of other property in the immediate vicinity for the purposes already permitted, nor substantially diminish and impair property values within the immediate vicinity.
- 4. That the establishment of the use will not impede the normal and orderly development and improvement of surrounding vacant property for uses predominant to the area.
- 5. That adequate utilities, access roads, drainage and other necessary facilities have been or are being provided.
- 6. That adequate measures have been or will be taken to provide sufficient off-street parking and loading space to serve the proposed use.
- 7. The use will not be injurious to the use and enjoyment of other property in the immediate vicinity for the purposes already permitted, not substantially diminish and impair property values within the immediate vicinity. (Article 4, Sec. 5, Subd. 1).

8. That adequate measures have been or will be taken to prevent or control offensive odor, fumes, dust, noise, 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. (Article 4, Sec. 5, Subd. 1).

STAFF RECOMMENDATION:

LUM Staff recommends the Planning Advisory Commission

- adopt the staff report into the record;
- accept the application, testimony, exhibits, and other evidence presented into the record; and

Recommend the County Board of Commissioners **APPROVE** the map amendment request from Mr. Ryan to allow construction of a new manure storage, with the following conditions:

- 1. The property owner must be in good standing with the County's feedlot regulations, and maintain an active feedlot registration in accordance with Goodhue Co Zoning Ordinance, Article 13.
- 2. A building permit mut be approved for the new lagoon
- 3. The feedlot must comply with all necessary state and federal permits and licensing, including Compliance with Goodhue County Zoning Ordinance: Article 13 confined feedlot regulations, and Article 21, agricultural protection district.
- 4. The owners will cooperate with inspections of the facility in coordination with Land Use staff, and the Goodhue Co Soil and Water Conservation District.
- 5. Animal manure, when utilized as domestic fertilizer, shall not be stored for longer than one year and shall be applied at rates not exceeding local agricultural crop nutrient requirements except where allowed by permit.
- 6. Any animal manure not utilized as domestic fertilizer shall be treated or disposed of in accordance with applicable state rules (MPCA 7020).
- 7. Owner's duties. The owner of any animal feedlot shall be responsible for the storage, transportation, and disposal of all animal manure generated in a manner consistent with the provisions herein (MPCA 7020).
- 8. The proposed feedlot use complies with the County's Comprehensive Plan.

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RECEIVED

GOODHUE COUNTY CONDITIONAL /INTERIM USE PERMIT APPLICATION AUG 2 1 2025

Parcel #_ 33.024.0401

Land Use Management

Permit# 725-0039

PROPERTY OWNER INFORMATION
Last Name Ryan First Fric
Street Address 23933 County 9 Blvd Phone
Street Address 23933 County 9 Blvd Phone City Goodhue State MN Zip 55027 Attach Legal Description as Exhibit "A" —
Authorized Agent Phone
Mailing Address of Landowner:
Mailing Address of Agent:
PROJECT INFORMATION
Site Address (if different than above):
Lot Size 15.00 AC Structure Dimensions (if applicable) 415 x 218 x 10 What is the conditional/interim use permit request for?
What is the conditional/interim use permit request for? Manure Storage Written justification for request including discussion of how any potential conflicts with existing nearby land uses will be minimized
P .
DISCLAIMER AND PROPERTY OWNER SIGNATURE
I hereby swear and affirm that the information supplied to Goodhue County Land Use Management Department is accurate and true. I acknowledge that this application is rendered invalid and void should the County determine that information supplied by me, the applicant in applying for this variance is inaccurate or untrue. I hereby give authorization for the above mentioned agent to represent me and my property in the above mentioned matter.
Signature of Landowner: Landowner: Landowner: Landowner: Date 7-28-25
Signature of Agent Authorized by Agent:
TOWNSHIP INFORMATION Township Zoning Permit Attached? If no please have township complete below:
By signing this form, the Township acknowledges being made aware of the request stated above. In no way does signing this application indicate the Township's official approval or denial of the request.
Signature Robert Husch Title Supervisor Date 7-18-2025
Comments: Best Wishes
COUNTY SECTION COUNTY FEE \$400 RECEIPT # DATE PAID 8-21-25
Applicant requests a CUP/IUP pursuant to ArticleSectionof the Goodhue County Zoning Ordinance
What is the formal wording of the request?
Shoreland Lake/Stream Name Zoning District
Date Received Date of Public Hearing DNR Notice City Notice
Action Taken:Approve Deny Conditions:

GOODHUE COUNTY CONDITIONAL/INTERIM USE PERMIT APPLICATION

PROJECT SUMMARY

Please provide answers to the following questions in the spaces below. If additional space is needed, you may provide an attached document.

 Description of purpose and planned scope of operations (including retail/wholesale activities). I would like to construct a concrete lined manure storage pit. This will increase efficiency and elimnate nutrient runoff.
Planned use of existing buildings and proposed new structures associated with the proposal. We will monitor current herd size and facilities as well as scrape manure and capture runoff in the new manure pit.
Proposed number of non-resident employees. We have two employees and will continue their employment with the addition of the new manure pit.
 Proposed hours of operation (time of day, days of the week, time of year) including special events no within the normal operating schedule. We will pump and inject manure from the new pit in the fall and spring during optimal conditions. Manure will be
scraped from current livestock barns into storage daily.
Planned maximum capacity/occupancy. A 3,100,000 gallon manure storage pit
Traffic generation and congestion, loading and unloading areas, and site access. Manure will be hauled over the course of a few days, spring and fall, to allow during cleanout. Tractors will use access to the pit
via a driveway on 240th Ave.
7. Off-street parking provisions (number of spaces, location, and surface materials). not applicable
8. Proposed solid waste disposal provisions. We will have a roll off dupster available during construction.
9. Proposed sanitary sewage disposal systems, potable water systems, and utility services. not applicable



 Existing and proposed exterior lighting. In the event of low lighting, yard lights and tractor headlights will be used as needed.
11. Existing and proposed exterior signage. Proper signage will be posted around the manure storage.
12. Existing and proposed exterior storage.
13. Proposed safety and security measures.
A fence will be installed around the entire perimeter of the manure pit.
14. Adequacy of accessibility for emergency services to the site. A driveway will be built to access the pit.
15. Potential for generation of noise, odor, or dust and proposed mitigation measures. There will be potential for odor during the emptying out process. It would amount to 4-7 days in the fall. Becuase
of the relatively quick nature of the process, we would contact neighbors and avoid any events they may have. 16. Anticipated landscaping, grading, excavation, filling, and vegetation removal activities. The current 50'x50' pit will be removed. Grass will be seeded down around the new manure pit with proper grading.
17. Existing and proposed surface-water drainage provisions.
Any surface water runoff from exposed feedlot concrete will drain directly into the pit.
18. Description of food and liquor preparation, serving, and handling provisions. not applicable
19. Provide any other such information you feel is essential to the review of your proposal. I am second generation dairy farmer with my wife and our six children. This manure pit will allow us to improve land
stewardship, increase efficiency, improve road safety, and provide a sustainable business for the next generation.





Data Collection Sheet for Registration (New and/or Existing sites)

For Delegated Counties

Instructions: Complete this form in order for your county feedlot officer to register your feedlot for you. Your county feedlot officer will enter data from this form into the online registration service to complete the registration process.

Any data collected by the county, beyond what is required for state feedlot registration, will be marked with the following statement: "This data is being collected for County purposes only and is not be required by Minn. Rule Ch. 7020 for feedlot registration."

Important – This is only a data collection sheet and completing it does not fulfill your requirement to register your feedlot. Registration of your feedlot is only complete once your county feedlot officer enters this information into the online registration system. This form will NOT be processed if sent to the MPCA. The information entered into the online system will be considered as the official registration information for your feedlot. If you would rather complete the registration process yourself, the online registration service can be found at: https://webapp.pca.state.mn.us/services/login.

Facility name and a	ddress	nation below reflec	cts a change to t	he name of an exis	sting registered t	acility
Facility name:	Enic Ryan				mber: 049-	
Facility Address:	and the same of th	ty 9 Blod			mber: 33-02	
City:	^				code: 5502	
Phone:	Email:			Zip		
			U			
Ownership informat	ion The information	n below reflects a	change of owne	rship of an existing	registered facil	ity.
Contact Person	Same as feedlot name an	d address	Feedlot Owi		as feedlot contact	
Name:			Name:			
Address:			Address:			
City:			City:		S	State:
Phone:	Zip:		Phone:			
Email:			Email:			
Facility locational in	formation					
County: 60		City/Tow	mahin.	Goodhue		
Township	Range	Section		Section	1/ -11/ 0	
(26-71 or 101-168)	(1-51)	(1-36)	Service and the service and th	NE, SW, SE)	1/4 of 1/4 Se (NW, NE, S)	
	15	24		SE	SE	
Is any part of the facility we Any part of the facility location. Any part of the facility location and part of the facility with facility operations in	ated within a delineated ated within designated s hin 300 feet of a known	stream? flood plain <i>(100 ye</i> horeland? sinkhole?	ar flood)?		☑ Ye □ Ye □ Ye	s No s No s No
Animals on pasture for p	art of the year			,	☐ Yes	
Open lots (dirt, concrete,	other) that are designe	d as animal holdin	g areas	THE COLUMN TO SECURE A SECURITY OF THE PARTY	⊠ Yes	
Buildings that are design	ed for animal confineme	ent or as animal ho	olding areas		Yes	☐ No
animal holding area to	what is the shortest dis a well?(including unused	tance from an	120			
A liquid manure storage		or unsealed wells)	100	feet	ΠV	
A manure stockpile (solic					¥ Yes Yes	☐ No
If yes to either above,	what is the shortest dis to a well?(including unuse	tance from a	210		K 163	
If you closed a liquid mar	oure storage area or per	manent manura et	tocknilo sinos va	eet		
	Liquid	storage		ur last registration,	Liquid ste	orage

Number of animals at the facility Calculate the animal units in column D by multiplying column C by column B.

A	В	С	D
	Animal unit (AU) factor	Maximum number (head) maintained at anytime in past 5 years	Animal Units (B x C)
Animal type	1.4	238	333.2
Dairy – mature cow (milked or dry) over 1,000 lbs.	1.0	7100	500.2
Dairy – mature cow (milked or dry) under 1,000 lbs.	0.7	150	105
Dairy – heifer	0.7	51	10.2
Dairy – calf	1.0	12	12
Beef – slaughter steer or stock cow	0.7	12	
Beef – feeder cattle (stocker or backgrounding) or heifer		P	
Beef – cow and calf pair	1.2	ď	
Beef - calf	0.2		
Veal Calf	0.2		
Bulls or Oxen	2.0		
Swine – over 300 pounds	0.4		
Swine – between 55 and 300 pounds	0.3	101 1 11 11 11 11	
Swine – under 55 pounds (and separated from sow)	0.05	\$ 15 to 10 t	
Horse	1.0		
Mini Horses, Ponies	0.4		
Sheep or lamb	0.1		
Goats	0.15		
Goats-small	0.075		
Chickens – all sizes with liquid manure system	0.033		
Chickens – 5 lbs. and over – dry manure system	0.005		
Chickens – under 5 lbs. – dry manure system	0.003		
Chickens – layers 5 lbs. and over – dry manure system	0.005		
Chickens – layers under 5 lbs. – dry manure system	0.003		
Turkeys – over 5 lbs.	0.018		
Turkeys – under 5 lbs.	0.005		
Ducks – dry manure system	0.01		
Ducks – liquid manure system	0.01	21	10
Elk	0.7		
Emus or Ostrich	0.15		
Fowl (pheasants, pigeons, partridges, guineas, and others)	0.003		
Foxes	0.05		
Mink	0.002		
Rabbits	0.005		
☐ Alpacas, ☐ Deer (pick one)	0.15		
☐ Llamas, ☐ Reindeer, ☐ Caribou (pick one)	0.3		
☐ Donkeys, ☐ Mules, ☐ Camels (pick one)	1		
☐ Bison, ☐ Buffalo, ☐ Yak (pick one)	1		
☐ Bison calf, ☐ Buffalo calf (pick one)	0.2		
☐ Peacocks, ☐ Geese (pick one)	0.01		
II. SECOND III SECOND		Total AU	460.4

☐ Llamas, ☐ Reindeer, ☐ Caribou (pick one)	0.3			
☐ Donkeys, ☐ Mules, ☐ Camels (pick one)	1			
☐ Bison, ☐ Buffalo, ☐ Yak (pick one)	1			
☐ Bison calf, ☐ Buffalo calf (pick one)	0.2			
☐ Peacocks, ☐ Geese (pick one)	0.01			
		Total AU	460.4	
Signature (person completing the form) and Submitted Print name: Signature: Signature:		Title:	S	_
Minn. R 7020.0350		Updat	ed:3/21/22 Page 2 of	 2

U.S. Department of Agriculture Natural Resources Conservation Service

JUL 17 2025

MN-CPA-37 August 2017

USDA-NRCS Manure Ownership Transfer Agreement

Producer/USDA-NRCS Contract Holder	Eric Ryan		
Address 23933 County 9 BLVD Goodhue, MN 5	5027 F	Phone 651-380-6111	

Manure Ownership Transfer Agreements are required when the feedlot owner/operator applies manure from their facility onto land that they:

- · Do not own, lease, or rent and
- Do not have control over crop and nutrient planning decisions

Livestock producers receiving financial assistance from NRCS with a conservation practice that requires development of a Nutrient Management plan or Comprehensive Nutrient Management Plan (CNMP) must manage or have their manure managed according to NRCS requirements (same as state law). This requirement applies to all land where their manure is applied; regardless of land ownership, manure transfer, or sale to another.

Manure Source to be	Transferred	Dairy Tan	k & Bedpa	ck	
When Transferred (Mo	onths)	March	April	May	
	Units				The state of the s
Volume Transferred	VARIES	· VARIES	VARIES	VARIES	
USDA-NRCS Contract	Holder Sign	ature		Date	
ERIC RYAN				3-26-25	

Fields to Receive Manure

Acres Available for Land Application 136.5	
Map(s) attached with areas to receive manure identified	
Are these fields also receiving manure from another source?	No
This agreement is valid through: 2030	

The undersigned manure recipient agrees to allow manure from the above source to be applied to the fields on the attached map(s) and will manage these manure applications according to NRCS Nutrient Management Requirements for the duration of this agreement.

Man	ure Recipient					
Address	39181	230+1	Ave	GOODHUE	MΝ	Phone
Manure R	ecipient Signatyr Very Ac	e i				Date 3-26.2025

USDA-NRCS Manure Ownership Transfer Agreement

Produce	er/USDA-NRCS Contract Holder	Eric Ryan		
Address	23933 County 9 BLVD Goodhue, MN 8	55027	Phone 651-380-6111	

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When Transferred (M	onths)	March	April	May	
	Units	VARIEC	VADIEC	VADIES	
Volume Transferred	VARIES	VARIES	VARIES	VARIES	The state of

Fields to Receive Manure

Acres Available for Land Application 158		
Map(s) attached with areas to receive manure identified		
Are these fields also receiving manure from another source?	No	
This agreement is valid through:	- Amount one	

The undersigned manure recipient agrees to allow manure from the above source to be applied to the fields on the attached map(s) and will manage these manure applications according to NRCS Nutrient Management Requirements for the duration of this agreement.

Manure Recipient	DENNIS R HINSCH	
Address 28606 240 #	AUR GORANTE, MA 5502	7 Phone [5]-380-5899
Manure Recipient Signature		Date 1-4-25

RECEIVED

Manure Storage, Handling, and Testing Information



Facility NarAbbelioRA

Owner/Operator Name: Eric Ryan

NPDES or SDS Permit? No
Date Last Revised:

Permit Number: 049-73209

Registration Number:

R ₂ O	P ₂ O ₅			Aiiildai N2O Floduced	Applied K O Broduced	Applial P.O. Produced	Annual N Produced	Total Manure Produced per Year (Actual)	Total Manure Produced per Year (Estimated)	Annual Generation - Existing facilities should use actual production values	Total K ₂ O - (do not enter lab estimated availability)	Total P ₂ O ₅ - (do not enter lab estimated availability)	lotal N - (do not enter lab estimated availability)	Basis for N,P, & K Values Below This		Sampling Methods Well Ag	Sampling Frequency E	Manure Analysis - Existing facilities should use actual manure test results		How Volume/Tonnage Determined per Load Sp	Spreader Type S	Commercial Applicator (Yes/No or Name)	Application Methods	Storage Length	Capacity	Туре	Storage Information	Length of Time Livestock Spend In Facility	Animal Number	Average Animal Weight	(Contributing to Manure Source)	Constitution of the control of the c	Animal Number	Average Animal Weight	9)	Livestock Information	Group sources with similar nutrient content if they have identical animal type, water usage, feed rations, and manure storage Milk c	
19			Average Book Values	Ú lbs	O Bs	O Ibs	O gais	O gale	1.482.267 gals	production values	26 lbs/1000 gal	14 lbs/1000 gal	37 lbs/1000 gal	s Year's Sample	09/11/24	Well Agitated Single Sample	Every 4 Years	nanure test results	Unknown	Spreader Volume	Solids Spreader	No		15 days	93,500 gals	Outdoor Concrete Pit/Tank		days/yr		lbs		3b5 days/yr	190	1,600 lbs	Dairy Milk Cow		Milk cow concrete basin	
K ₂ O 9	P ₂ O ₅ 6	11	Average Book Values	1,080 lbs	288 lbs	/UZ lbs	JOS tons	80 to 18	82 tons		12 lbs/ton	3 lbs/ton	8 lbs/ton	This Year's Sample		Sample from Spreader Load	Every 4 Years		Unknown	Spreader Volume	Solids Spreader	N _o		30 days	tons	Stockpile		365 days/yr	18	250 lbs	Dairy Calf	365 days/yr	12	750 lbs	Beef Feeder (High Forage)		Youngstock & Finisher Stockpile	
K ₂ O 7	P ₂ O ₅ 3	N 10	Average Book Values	12,000 lbs	3,000 lbs	8,000 lbs	1,000 tons	90 I tons	000		12 lbs/ton	3 lbs/ton	8 lbs/ton	This Year's Sample	09/11/24	Sample from Spreader Load	Every 4 Years		Unknown	Spreader Volume	Solids Spreader	No		30 days	tons	Stockpile		365 days/vr	150	875 lbs	Dairy Heifer	365 days/yr	48	1,400 lbs	Dairy Dry Cow		Heifer & Dry Cow stockpile	
K ₂ O 5	P ₂ O ₅ 3	N 10	Average Book Values	600 lbs	150 lbs	400 lbs	50 tons	4U tons	ò		12 lbs/ton	3 lbs/ton	8 lbs/ton	This Year's Sample	09/11/24	Sample from Spreader I pad	Every 4 Years		Unknown	Spreader Volume	Solids Spreader	Z		30 days	tons	Stockpile	in from	365 days/vr	100	250 lbs	Dairy Calf	365 days/yr	15	150 lbs	Dairy Calf		Calf huts and Calf barn	

Manure Storage, Handling, and Testing Information

Facility Name: Eric Ryan		NPDES Permit Coverage?	No Permit Number: 049-73209	049-73209
Owner/Operator Name: Eric Ryan		Date Last Revised:	Registration Number:	
Manire Sources	Manure Source #5	Manure Source #6	Manure Source #7	Manure Source #8
Description of Manure Source Group sources with similar nutrient content if they have identical animal type water usage feed rations, and manure storage	Concrete Lined Basin-New		·	
Livestock Information				
Predominate Animal Type (Contributing to Manure Source)	Dairy Milk Cow			4,
Average Animal Weight	1,600 lbs	sql	sql	sql
Animal Number	190			
Length of Time Livestock Spend In Facility	365 days/yr	days/yr	days/yr	days/yr
Additional Animal Type (Contributing to Manure Source)				
Average Animal Weight	lbs	Ibs	sql	sql
Animal Number				
Length of Time Livestock Spend In Facility	days/yr	days/yr	days/yr	days/yr
Storage Information				
Storage Type	Outdoor Concrete Pit/Tank			
Capacity	3,178,437 gals			
Storage Length	9 months			
Application Methods				
Commercial Applicator (Yes/No or Name)	Yes			
Spreader Type	Towed Hose			
How Volume/Tonnage Determined per Load	Commercial Applicator			
How Application Rate is Calibrated	Unknown			
Manure Analysis - Existing facilities should use actual manure test results	use actual manure test results			
Sampling Frequency	Every Year			
Sampling Methods	Estimate (New Structure)			
Date Last Analyzed				
Basis for N,P, & K Values Below	Estimate			
Total N - (do not enter lab estimated availability)	31 lbs/1000 gal			
Total P ₂ O ₅ - (do not enter lab estimated availability)	15 lbs/1000 gal			
Total K ₂ O - (do not enter lab estimated availability)	19 lbs/1000 gal			
Annual Generation - Existing facilities should use actual product	d use actual production values			
Total Manure Produced per Year (Estimated)	1,482,267 gals			
Total Manure Produced per Year (Actual)	gals			
Annual N Produced	45,950 lbs	Sql	sql	
Annual P ₂ O ₅ Produced	22,234 lbs	Sql	sqı	2
Annual K ₂ O Produced	28,163 lbs	sql	sql	
	Average Book Values	Average Book Values	Average Book Values	Average Book Values
		Z	Z	z
	9	P ₂ O ₅	P_2O_5	P ₂ O ₅
	K ₂ O 19	K ₂ O	K ₂ O	K ₂ O

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Actial Prototo Prilage Actial Prototo Phage Actial Prototo Description Actial Prototo Description Actial Prototo Description Actial Prototo Actia	<u>Unique</u> <u>Field ID</u>	creage		ch	on to select					Area	ock					Soi	Test			on?	Anticipated Manure Application Timing	Application Field Info (If Applicable)	0 7 6
Example 30	Attach Aerial Photo or Map With Location Description (twp-rng-sec)	Field A	Tile Intakes	Drainage Dito	ah atka qile dilikesi		i Kalidalah saluk ik		and the second section of		Shallow Bedro	Sinkhole			(red if outdat	Phos Field .	phorus P) Average pm)		yanic atter	Irrigatio	NOTE: NPDES & SDS permitted sites cannot apply liquid manure in the winter (unless emergency)	Distance from Field to Waters	Field Slope
S.9	Example	80	<		***YOL	must	double	click	cells to	inser	t a che	ck ms	rk***		3005	3	2	n stad					Salahan
1	0	6.9									2 2	100	405	Strain Strain	2002	100	Olsen	1000	//lign	No	Late Fall	800 ft	_
16.1	Home 1	9	-												2024	3 3	Bray	Med	/High	No	Monthly		_
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14.6	Home 3	4 1				•			1						2024	30	Bray	Med	/High	No	Monthly		_
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133		11.7				<			_						2024	127	Bray	Med	/High	Z O	Monthly		_
17.8		13.3				<									1202	3 2	Diay	. ×	ngin'	NO	Monthly		_
15.1		17.8				<	_								4202	3 6	Dray	Med	i ligh	No	Monthly		_
1		15.1				<	_		1						1202	א מ	Diay	Med	'High	No	Monthly		_
1	Home 10	6.2				<									_	3	Diay	Med	/High	No	Monthly		_
16.8	The 80- 1	9.8		4		<				1					+	3 5	Bray	Med	/Ligh	Z	Monthly		T
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8.1 8.6 8.1 8.1 8.1 8.1 8.1 8.1 8.1 8.1 8.1 8.1	The 80-4	7.2													2024	28	Brav	Med	/High	3	Monthly		
8.1 9.9 9.9 14.9 13 13 10.6 9.7 10.6 9.2 13 10.6 9.2 10.7 10.6 9.2 10.7 10.6 9.2 10.7 10.7 10.7 10.7 10.7 10.7 10.7 10.7		8.6												_	2024	65	Brav	Mec	High :	5 8	Monthly		
9.9 14.9 10.6 10.7 10.7 10.8 10.8 10.8 10.8 10.8 10.8 10.8 10.8		8.1										<			-	107	Brav	Med	High (2 3	Monthly		1
14.9		9.9				<									+	50	Brav	Med	High	No i	Monthly		1_
13		14.9		_											2024	54	Bray	Med	Ťiah	Z :	Monthly		1
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13.2		10.6				<									2024	30	Bray	Med	High	8	Monthly		1
9.2		13.2	-	-	-	<									2024	26	Bray	Med	High	S 8	Monthly		- 1
11		2 2	Ļ	-											2024	28	Bray	Med	High	Z 6	Monthly		
117 16.4 16.4 17.7 17.7 18.7 19.7 19.7 19.7 19.7 19.7 19.7 19.7 19		4.4	+	-	-	_	_	-							_	102	Bray	Med	High	S 0	Monthly		
10.4 17.4 17.4 17.7 17.7 17.7 17.7 17.7 17.7 17.8 17.7		1 3	-	-	L										-	41	Bray	Med	High	N _O	Monthly		
17.7		4.0	-	-				-								78	Bray	Med	High	8	Monthly		- 1
17.7 1 11.7 2024 52 Bray Med/High No No No 14.8		17.4												20111-0		54	Bray	Med	핅	S	Monthly		
11.7 21.8 39.6 32.4 14.8		17.7													\dashv	52	Brav	Med	Han G	Z E	Monthly		
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32.4 32.5 14.8		39.6				<					-	-	-							3 3	oping		1
32.5 14.8		32.4				`		-	-				1	4						2 2	Spring		1
14.8		32.5		4	4	-				+	-	-	-							200	Spring		1
		4.8	-	-		+	+			L										NO	Spring		

MINNESOTA POLLUTION
CONTROL AGENCY

General Field Information (Fields 36 - 70)

Winter	Anticipated Manure Application Timing	NOTE: NPDES & SDS permitted sites cannot apply liquid manure in the winter (unless emergency)	o Late Fall 800 ft 3%			Spring																							
4 yrs)		Organic Matter Irrigation	Med/High No	\blacksquare	o N	2										I													
Soils Information (Test required once every 4 yrs)	F lico	s e	30 Bray M	\vdash																									
S (Test r	186	Year of Soil To	2005																										
***		Other Conduit to Water	*										1							I		-				999			
Sensitive Features (Identify on Aerial Photo or Sketch) ***Insert a check mark by double-clicking the appropriate cells***	narry	Sinkhole Well, Mine, or Q	insert a check mark***				H	+	-		-		-												-	-			+
ial Photo or Sketch)	У	Shallow Bedroc	a chec										+																
erial Phong the a	ea	Public Well Management Ar																											
fy on A∉ e-clickir		Floodplain	k cells t																										
Sensitive Features (Identify on Aer sert a check mark by double-clicking	lio2 b	Coarse-Textured (soil type ends in)	***You must double-click cells to										4	-						-	-				+				
atures mark b	(Ac	(If farmed call MPe Wetland (non-far	ust dou							-		H		+	+	+			+						+	-			
itive Fe	gm วันเก	Lake, River, Stre	You mi		>	>			+	+	+			+	+	+			+		+		+		+	-	-1		+
Sens	wee	Drainage Ditch	*						+	+									+		-		+	1	+	-			+
* *		Tile Intakes	 						+	+			+				+				+				+				+
	əße	File Intellation	08	1	47.4	85	+		+	+	+	\Box	+	+	+		1			+	+				1				\dagger
	Unique Field ID	to or Map scription ec)	Example			Robert-2																							

Sensitive Features Management Worksheet



conditions. This worksheet identifies all allowable techniques that can be used to provide protection to sensitive features as required in Minnesota Rules and/or permit 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

Option A - A cover crop will be planted on all fields that receive manure applications during June, July, and August Application of Manure During the Summer Months (June, July, and August) - This also includes September for NPDES permitted sites

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.

Crop and Nutrient Planning Worksheet (Fields 1-35)

Cropping Year: September 1, 2025 to Aug

to August 31, 2026

Crop Land Manager's Name:

Dennis-6	Dennis- 5	Dennis-4	Dennis-3	Dennis- 2	Dennis- 1	Todds-11	Todds-10	lodds-9	Todds-8	Todds-7	Todds-6	Todds-5	Todds-4	Todds-3	Todds-2	Todds-1	The 80-7	The 80-6	The 80-5	The 80-4	The 80-3	The 80-2	The 80- 1	Home 10	Home 9	Home 8	Home 7	Home 6	Home 5	Home 4	Home 3	Home 2	Home 1	Home 0	Field ID		Field Information
Soybeans	Soybeans	Soybeans	Soybeans	Soybeans	Soybeans	Alfalfa	Alfalfa	Corn	Alfalfa	Corn Silage	Alfalfa	Corn Silage	Alfalfa	Alfalfa	Corn	Corn Silage	Alfalfa	Alfalfa	Alfalfa	Corn Silage	Corn Silage	Alfalfa	Corn Silage	Corn Silage	Alfalfa	Corn Silage	Corn Silage	Alfalfa	Corn Silage	Alfalfa	Alfalfa	Corn Silage	Alfalfa	Corn Silage	Crop Grown to Utilize the Nutrients Applied 2026 Crop	Cover crop in	
60 bu	60 bu	60 bu	60 bu	60 bu	60 bu	6 ton	6 ton	220 bu	6 ton	25 ton	6 ton	25 ton	6 ton	6 ton	220 bu	25 ton	6 ton	6 ton	6 ton	25 ton	25 ton	6 ton	25 ton	25 ton	6 ton	25 ton	25 ton	6 ton	25 ton	6 ton	6 ton	25 ton	6 ton	25 ton	Expected Yield (per acre) crop receiving nutrients	nfo is recorded o	Crop
Corn	Corn	Corn	Corn	Corn	Corn	Alfalfa	Alfalfa	Corn	Alfalfa	Corn Silage	Alfalfa	Corn Silage	Corn Silage	Corn Silage	Alfalfa	Corn Silage	Alfalfa	Alfalfa	Alfalfa	Corn Silage	Corn Silage	Corn Silage	Alfalfa	Corn Silage	Alfalfa	Corn Silage	Corn Silage	Alfalfa	Corn Silage	Alfalfa	Alfalfa	Alfalfa	Corn Silage	Alfalfa	Crop Most Recently Harvested 2025 Crop	Cover crop info is recorded on the land application records form	Crop Information
Soybeans	Soybeans	Soybeans	Soybeans	Soybeans	Soybeans	Corn	Corn	Corn	Alfalfa	Corn Silage	Alfalfa	Alfalfa	Corn Silage	Corn Silage	Alfalfa	Alfalfa	Alfalfa	Corn Silage	Corn Silage	Corn Silage	Alfalfa	Corn Silage	Alfalfa	Corn Silage	Grass/Hay	Corn Silage	Alfalfa	Corn Silage	Alfalfa	Corn Silage	Corn Silage	Alfalfa	Corn Silage	Alfalfa	Crop Grown 2 Years Ago 2024 Crop	n records form	
									37.2	37.2	37.2					7.8						7.8		37.2	37.2	37.2	37.2	7.8	37.2	37.2		7.8		37.2	Last Year's Manure Test N	le	Îς Γ
The state of	Harry Brown					A PORTOR	Windshield	7.11./77 17.58(1.)	Dairy	Dairy	Dairy					Dairy						Dairy		Dairy	Dairy	Dairy	Dairy	Dairy	Dairy	Dairy		Dairy		Dairy	Animal Type of Manure Applied Last Year	leave blank if none applied	ast Year's Nutrients for
				40-26 C-1	March 1974				5,000 gal	5,000 gal	5,000 gal					8 ton						8 ton		5,000 gal	5,000 gal	5,000 gal	10,000 gal	12 ton	5,000 gal	5,000 gal		8 ton		10,000 gal	Last Year's Application Rate (per acre) Typically 9/1/24 to 8/31/25	one applied	Last Year's Manure App (Nutrients for 2025 Crop)
1	-		# ()	-				195		195		195			40	195	1			195	195		40	195		195	195		195	1	1	40	-	40	N Recommendation after 2025 crop credits		
0	0	0	0	0	0	0	0	. 0	0	. 0	0	115	0	0	0	115	0	0	0	0	115	0	0	0	0	0	115	0	115	0	0	0	0	0	Legume-N Credit from the 2024 Crop		Nutr
(10 may 10 may 1	-		(C			200 mm 1863	-		46	46	46	-	-	1		16	1	1				16		46	46	46	93	23	46	46	1	16	-	93	N Credit from Manure Applied to 2025 Crop	N (ient Re
	1	_	1	1		1				-		-	-	I	-	1		1	1	1				1		-	1	1	-		1	I		1	N Credit from Irrigation Water	N (lb/ac)	comme
-			-	1		1	-	195		149		80			40	64	1	1		195	80	1	40	149	-	149	0	1	34	1	-	24	- W	0	N Needs after all credits		ndations
210	210	210	210	210	210	306	306	-	260	1	260	1	306	306		1	306	306	306	1	1	290		I	260	1		283	I	260	306	-	306	1	N Removal after all credits		Nutrient Recommendations and Credits
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	49	0	0	0	0	0	0	0	0	0	0	0	0	0	P₂O₅ Needs (based on soil test data)	2	redits
49	49	49	49	49	49	65	65	75	65	95	65	95	65	65	75	95	65	65	65	95	95	65	95	95	65	95	95	65	95	65	65	95	65	95	P ₂ O ₅ Removal (based on crop uptake)	(lb/ac)	

CONTROL AGENCY

Crop and Nutrient Planning Worksheet (Fields 36-70)

Note: Fields highlighted with gray are automatically entered from previous information or automatically calculated.

(1)	P ₂ O ₅ Removal (based on crop uptake)	49	49	49			100000000000000000000000000000000000000		STATE OF THE PARTY													
edits	sbeek aOsq (stab teet lios no besad)	0	0	0		STREET, STREET	The Section			STATES OF THE PARTY.									STREET, STREET			5540000000
Nutrient Recommendations and Credits	N Removal sifter all credits	210	210	210				100000	THE STATE OF							THE STATE OF			THE STATE OF THE S			
dations	N Needs after all credits	300,000	1	1					100000000							To see the						
Recommen	morf from Nater		1	ı																		
ent Rec	N Credit from Manure Applied to 2025 Crop	-	-	-																		
Nutri	Legume-N Credit from	0	0	0							Name and A											Notice and the
	N Recommendation after 2025 crop credits	1		1					Secretary and											STATE OF STA		
anure App 2025 Crop)	Last Year's Application Rate (per acre) Typically 9/1/24 to																					
Last Year's Manure App (Nutrients for 2025 Crop)	Animal Rate Type of (per ac Manure Applied Typica Applied Typica 8/31/24											200										
N.	Last Year's M sanure Test N																					
ormation (Nutrients for 2025 Crop)	Crop Grown 2 Years Ago 2024 Crop	Soybeans	Soybeans	Soybeans																		
	Crop Most Recently Harvested 2025 Crop	Corn	Corn	Corn																		
Crop Inf	Expected Yield (per acre) crop receiving nutrients	nq 09	nq 09	nq 09	HEAT STATE OF THE	DE LOS CONTROL DE LOS												Section 1				100200
	Crop Grown to Utilize the Nutrients Applied 2026 Crop	Soybeans	Soybeans	Soybeans																		
Field Information	Field ID	Dennis-7	Robert- 1	Robert-2																		

Nutrient Application Planning Worksheet (Fields 1-25)

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						Mai	nure S	Manure Source Summary											
Source 1: Milk cow concrete basin (37.2-13.5-26.	asin ((37.2-13.5-26.2)		So	Source 5:	-	ete Lir	Concrete Lined Basin-New (31-15-19)	19)		Sou	Source 9:							
Source 2: Youngstock & Finisher Stockpile	her St	ockpile (7.8-3.2-12)	12)	So	Source 6:						Source 10:	e 10:							
	ockpil	e (8-3-12)		So	Source 7:						Source 11:	œ 11:							
Source 4: Calf huts and Calf barn (8-3-12)	arn (8	3-3-12)		So	Source 8:						Source 12:	:е 12:							
		30.						311111111111111111111111111111111111111					3			of so	I will transfer ownership of some of the manure.	r ow ne ne manı	rship ure.
Field Information Summary	Y	Crops Grow	Grown Summary	Nutri to Me	Nutrients Needed to Meet Yield Goal	leeded d Goal		Manure Application Information (Nutrients for the 2026 Crop)	tion Info the 2026	formation 26 Crop)			Nitrogen (Ib N/ac)	gen l/ac)			Phosphorus (lb P ₂ O ₅ /ac)	horus)₅/ac)	
	S			ļ	(lb/acre)	e)		Application Typically 9/1		2025 to 8/31/2026			Total	tal			Total	<u>a</u>	al
	Setbacks	Crop Grown to Utilize the Nutrients	Crop Most Recently Harvested	aft nutrier crop a	after credits for itrients from previo crops and manure applications	after credits for nutrients from previous crops and manure applications	ce (1-12)	Method of Application and Incorporation	g Manure t the field)	Manure Application Rate (gals/tons per acre)	ure on Rate per acre)		Fertilizer Application (lbs/acre)	llizer cation	ailable N deficiency)		Fertilizer Application (lbs/acre)	lizer ation	of Remova deficiency)
Field D	es After	Applied		gen ds			re Sour	NPDES/SDS permitted sites cannot apply liquid		Calculated Max Rate	<u>Planned</u> Rate	from N vailable t	ter	mental		from IV vailable t	ter	mental	
	Acre	2026 Crop	2025 Crop	Nitro Nee	Nitro (Remo	Phospi (Nee	Manui	manure in the winter (unless emergency)		based on Nitrogen	max used if blank		Stan	Supple			Start	Supple	
Home 0	17/	Corn Silage	Alfalfa	0		0						1	0	0	0		0	0	-95
Home 1	9	Alfalfa	Corn Silage	-	306	0				1		1			-306	ı			-65
Home 2	16	Corn Silage	Alfalfa	24	1	0	ယ	Incorp. within 4 days	16	8	7.4	22	0	0	-2	17	0	0	-78
Home 3	4 6	Alfalfa	Alfalfa	1	306	, 0				1		1			-306	i			-65
Home 5	2 2	Corn Silage	Corn Silage	34	1 6	0 0	w	Incorp within 4 days	3	1 1	11 43	3	0		-260	ر ا	>		8 6
Home 6	12	Alfalfa	Alfalfa	1	283	0				1	i	1 8	(•	-283		((-65
Home 7	13	Corn Silage	Corn Silage	0	_	0				1		1	0	0	0		0	0	-95
Home 8	8	Corn Silage	Corn Silage	149		0	5	Sweep Injection	18	8,739	8500	145	0	0	-4	102	0	0	7
Home 9	5	Alfalfa	Alfalfa	1	260	0				-		1	0	0	-260		0	0	-65
Home 10	g 0	Corn Silage	Corn Silage	149	1	0) (Ji	Sweep Injection	о	8,739	8500	145	0	0	-4	102	0	0	7
The 80-1	10	Alfalfa Alfalfa	Alfalfa	40	3 1		nω	Incorp. within 4 days	10	12	7.4	22	0	0	-18	17	0	0	-78
The 80-3	∞ -	Corn Silage	Corn Silage	8 1	1 067	49	υ 4	Sweep Injection	æ 1	77,009	14100	35	0	0	-50 -45	169 26	0	0	104
The 80-4	7//	Corn Silage	Corn Silage	195		0	51	Sweep Injection	7	11,437	10000	170	0	0	-25	120	0	0	25
The 80-5	9	Alfalfa	Alfalfa	September 1985 September 1985	306	0				-		1			-306			8	-65
The 80-6	8	Alfalfa	Alfalfa		306	0	1000						0	0	-306	1	0	0	-65
The 80-7	10	Alfalfa	Alfalfa	-	306	0	100			-				9:	-306	1	57		-65
Todds-1	15	Corn Silage	Corn Silage	64		0	ω	Incorp. within 4 days	15	20	11.42	35	0	0	-29	26	0	0	-69
Todds-2	3	Corn	Alfalfa	40	1	0	ω	Incorp. within 4 days	13	12	7.4	22	0	0	-18	17	0	0	-58
Todds-3	10	Alfalfa	Corn Silage	1	306	0	G	Sweep Injection	10	17,947	14100	240	0	0	-66	169	0	0	104
Todds-4	3	Alfalfa	Corn Silage	-	306	0	σı	Sweep Injection	711	17,947	14100	240	0	0	-66	169	0	0	104
Todds-5	3	Corn Silage	Corn Silage	80		0	2	Incorp. within 4 days	13	23	11.42	39	0	0	-41	28	0	0	-67
Todas-6	9	Alfalfa	Alfalfa		260	0				1		1	0	0	-260	1	0	0	-65
lodds-/	8	Corn Silage	Corn Silage	149	-	0	5	Sweep Injection	8	8,739	8500	145	0	0	-4	102	0	0	7

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CONTRACTOR OF THE PROPERTY OF	Field Information Summary		Crops Grown Summary	ı Summary	Nutrie to Mee	Nutrients Needed to Meet Yield Goal	led		Manure Application Information (Nutrients for the 2026 Crop)	on Info	ormation 3 Crop)			Nitrogen (Ib N/ac)	ten 1c)		Δ)	Phosphorus (lb P ₂ O ₅ /ac)	ac)	
						(lb/acre)			Application Typically 9/1/25 to 8/31/2026	3/1/25 tc	8/31/2026			Total				Total		
		than situate	Crop Grown to Utilize the Nutrients	Crop Most Recently Harvested	after nutrients crops app	after credits for nutrients from previous crops and manure applications		(z L- L) ec	Method of Application and Incorporation		Manure Application Rate (gals/tons per acre)	ure on Rate	this year)	Fertilizer Application (lbs/acre)	- Control Ten I No. 3 Coppe	deficiency)	this year)	Fertilizer Application (lbs/acre)	diversity Married International Pro-	
<u>0</u> e L		netta serca	Applied 2026 Crop	2025 Crop	Nitrogen SbeeM	Mitrogen (Removal)	Phosphorus (Needs)	noS enureM z # _	NPDES/SDS permitted sites cannot apply liquid manure in the winter (unless emergency)	riviece Receivir lige of ecuber)	Calculated Max Rate based on Nitrogen	Planned Rate max used if blank	/ mont // t eldslisvA)	Starter	Supplemental	Excess Av (negative for D from D	I morf 9 t eldslisvA)	Starter	Supplemental	P in Excess of (negative for
Todds-8			Alfalfa	Alfalfa		260	0	<u> </u>	STATE OF THE PARTY		-		Section 1		856	-260			1000 1000 1000 1000 1000 1000 1000 100	-65
Todds-9		16	Corn	Corn	195		0	2	Sweep Injection	16	11,437	10000	170	0	0	-25	120	0	0	45
Todds-10		17	Alfalfa	Alfalfa	100 mm 10	306	0		Name of the second second				100 Table 100		25.42	-306	SECTION AND ADDRESS OF THE PERSON ADDRESS OF THE PERSON AND ADDRESS OF THE PERSON ADDRESS OF THE PERSON ADDRESS OF THE PERSON AND ADDRESS OF THE PERSON ADDRESS OF THE PERSON ADDRESS OF THE PERSON ADDR		220	-65
Todds-11		18	Alfalfa	Alfalfa	100 - 100 O	306	0							119	N.A.	-306				-65
Dennis- 1		12	Soybeans	Corn	100	210	0		Torreson boar to	111111		The same of		1.0	BAB	-210				-49
Dennis-2	//2	22	Soybeans	Corn	1	210	0						1	9	E45	-210	- The state of the	5	236	-49
Dennis-3	4//	40	Soybeans	Corn		210	0								5.6	-210	ı	7	NA.	-49
Dennis-4	//3	32	Soybeans	Corn	1	210	0				-		1			-210	- T		1000	-49
Dennis- 5	8	33	Soybeans	Corn	1	210	0						1		Is S.	-210	1			-49
Dennis-6		15	Soybeans	Corn		210	0				-				206	-210	1	. A.	38	-49
Dennis-7		14	Soybeans	Corn	-	210	0				100,000					-210	1		Posts	-49
Robert- 1	4/	47	Soybeans	Corn	1	210	0				-				-36	-210	-			-49
Robert-2	8	85	Soybeans	Corn	I	210	0				1		1		1812	-210	1		211	-49
															8286		No.		537	
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		\$ 955 }}																		
		/// Bills										All Principles			BBL					
		77												100	#JIB	10.00 10.00		19		
Total Ac	Total Acres (Fields 1 - 50) = 636	9 = (0:	36] will t	ransfer ning arr	I will transfer ow nership of the remaining amount of manure.	ship of manure	the
	Amount Applied	A Re	Amount Remaining	Acres Applied			Amount Applied	# p	Amount Remaining	A Ap	Acres Applied		anomal follows	Amount Applied	rut ed	An	Amount Remaining		Acres Applied	s pa
Source 1:			0	0	Sou	Source 5:	1,034,510	10	447,757		93	Sou	Source 9:				1		1	
Source 2:	06		0	13	Sou	Source 6:	1		1			Source	Source 10:				1		1	
Source 3:	593		407	99	Sou	Source 7:	-		-		i	Sour	Source 11:					THE PERSON	1	
Source 4:	50		0	8	Sou	Source 8:	1				1	Sour	Source 12:	1			1		1	

Odors From Feedlots Setback Estimation Tool

Farm Name Eric Ryan

Address or County

Evaluator
Date 7/29/2025

Clear All

OFFSET Ver 2.0 University of Minnesota

OFFSET
Annoyance-free
92%

Source Edge to Nearest Neighbor (ft) 913
Source Edge to Property Line (ft) 70

Building Sources

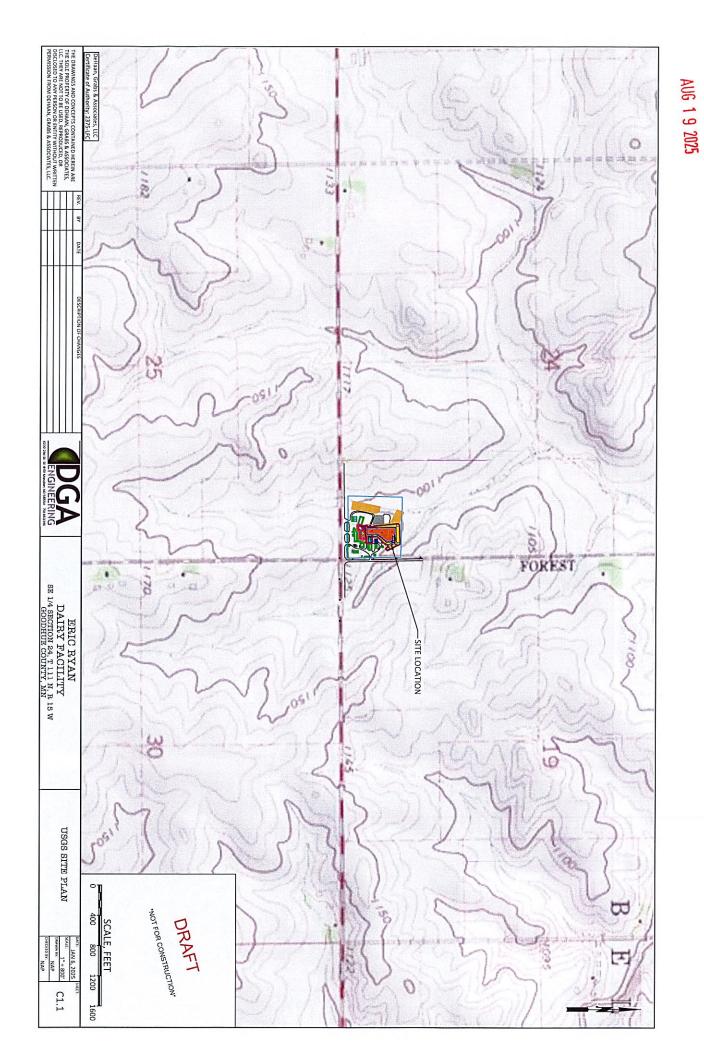
Building Type	Width (ft)	Length (ft)	# of Similar Sources	Total Area (sqft)	Control Technology	% air treated
None				0	None v	
None				0	None V	
None \blacktriangledown				0	None 🔻	
None $ extstyle ag{}$				0	None v	
None $ extstyle ag{}$				0	None 🔻	
None ▼				0	None 🔻	
None \blacktriangledown				0	Biofilter v	

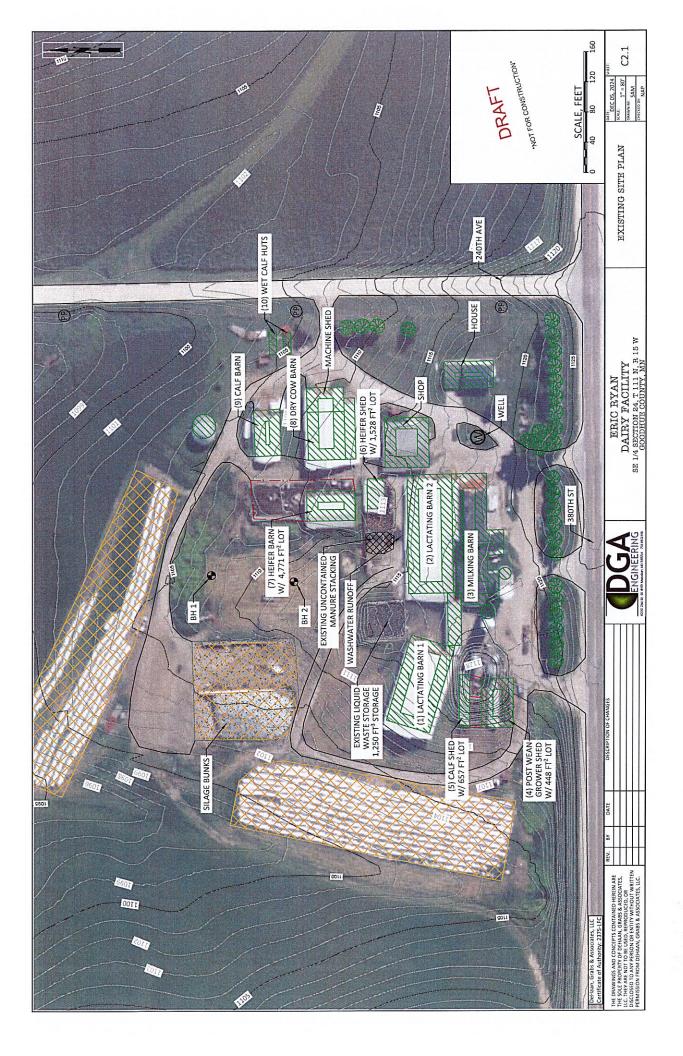
AREA SOURCES

Source Description	on	Shape	Width (ft) (or Dia)	Length (ft)	Area (sqft)	Control Technology
Earthen manure storage	~	Rectangle -	229	250	57250	None 🔻
None	•	Rectangle •	•		0	None v
None	~	Rectangle			0	None ▼
None	•	Rectangle	•		0	None ▼
None	~	Rectangle -	•		0	None 🔻
None	~	Rectangle	•		0	None \blacktriangledown
None	~	Rectangle -			0	None ▼

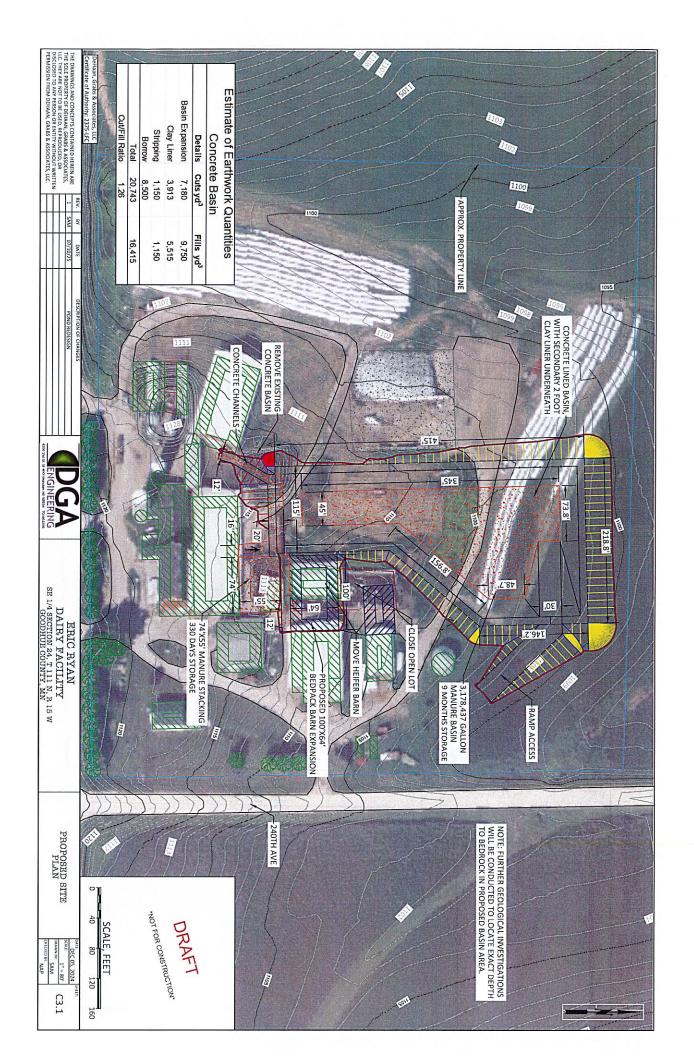
Building Source	ces
Add Source Ty	уре
Name of Source	
Odor Flux (ou/s/m2)	
H2S Flux (ug/s/m2)	Market Market State of the
NH3 Flux (ug/s/m2)	BOWLENGE CHEEDS FOR THE
Documentation	
Add a Control T	echnology
Name of technology	echnology
Name of technology Odor reduction (%)	echnology
Name of technology Odor reduction (%) H2S reduction (%)	echnology
Name of technology Odor reduction (%) H2S reduction (%) NH3 Reduction (%)	echnology
Name of technology Odor reduction (%) H2S reduction (%)	echnology

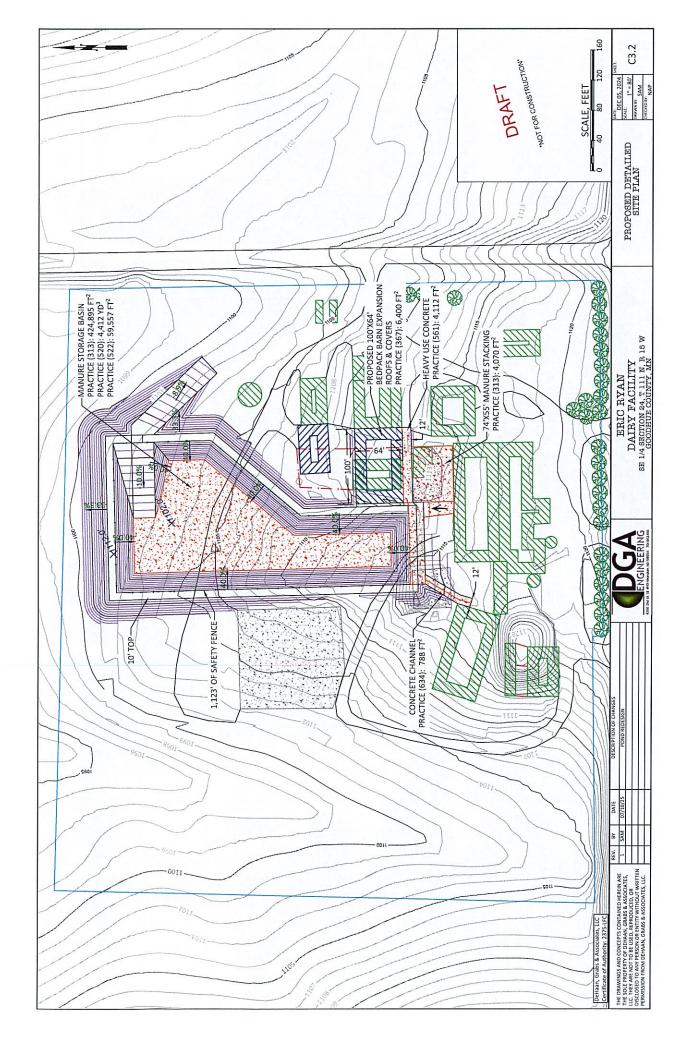
Area Sources	
Add a Source	Type
Name of Source	
Odor Flux (ou/s/m2)	
H2S Flux (ug/s/m2)	
NH3 Flux (ug/s/m2)	
Documentation	
ALLO	
Add Control Ted	hnology
Name of technology	hnology
	hnology
Name of technology	hnology
Name of technology Odor reduction (%)	hnology
Name of technology Odor reduction (%) H2S reduction (%)	hnology

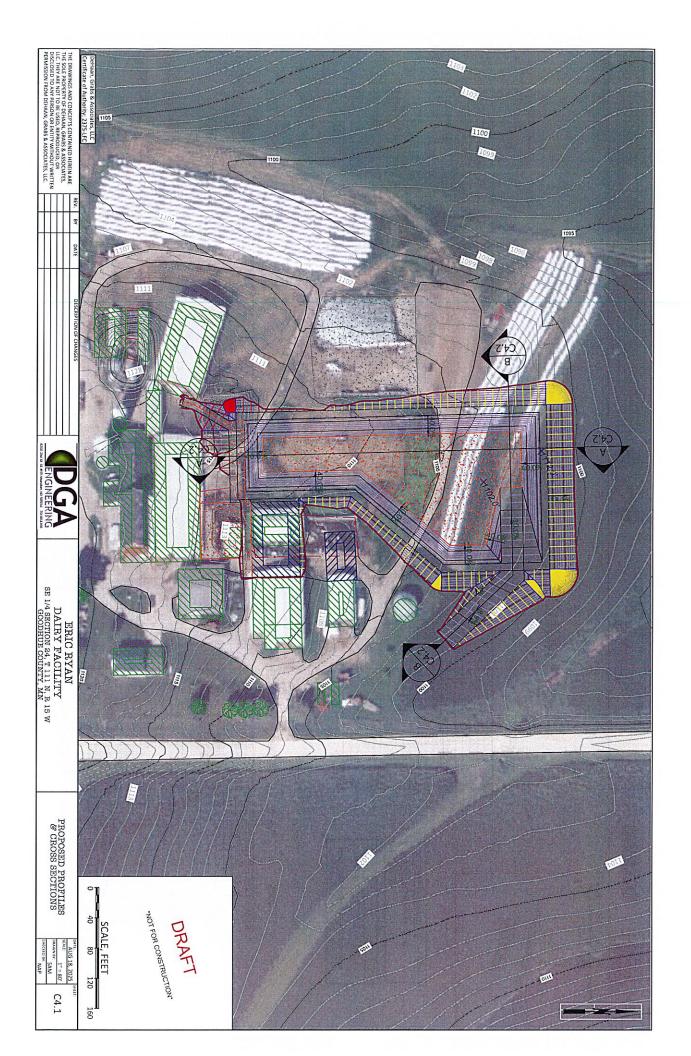


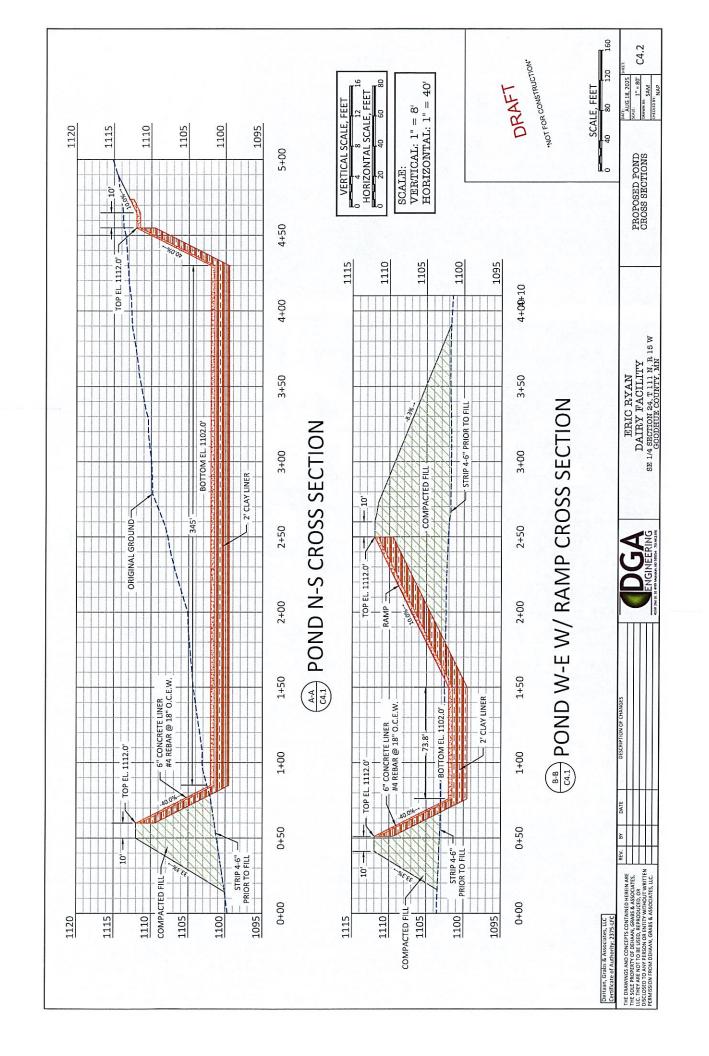


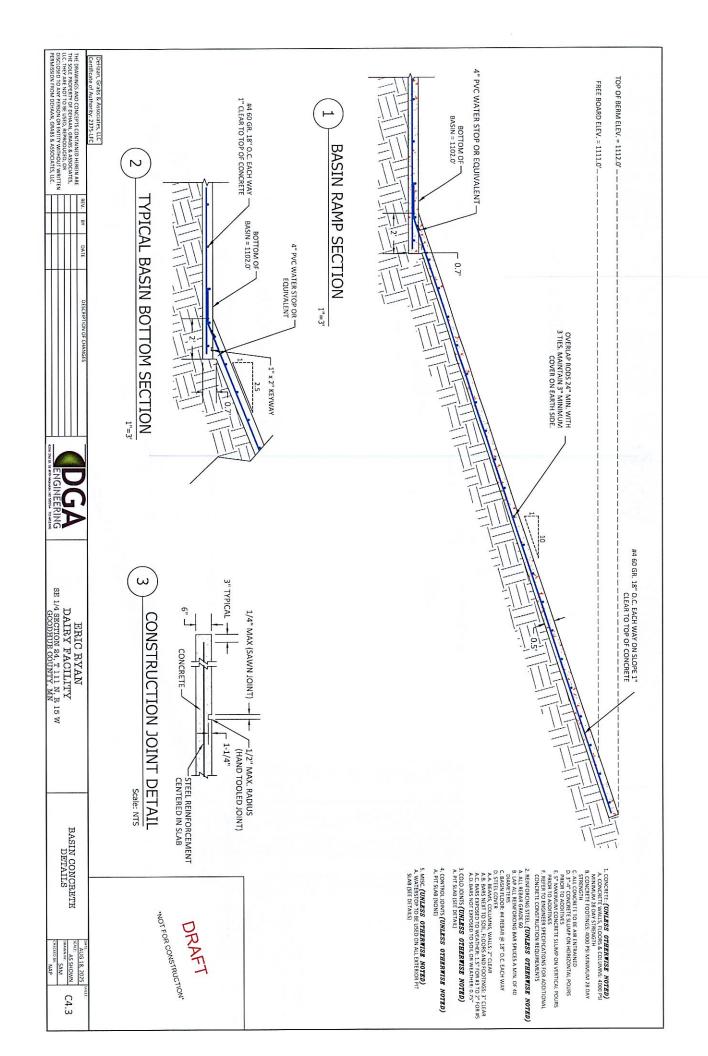
BECENED

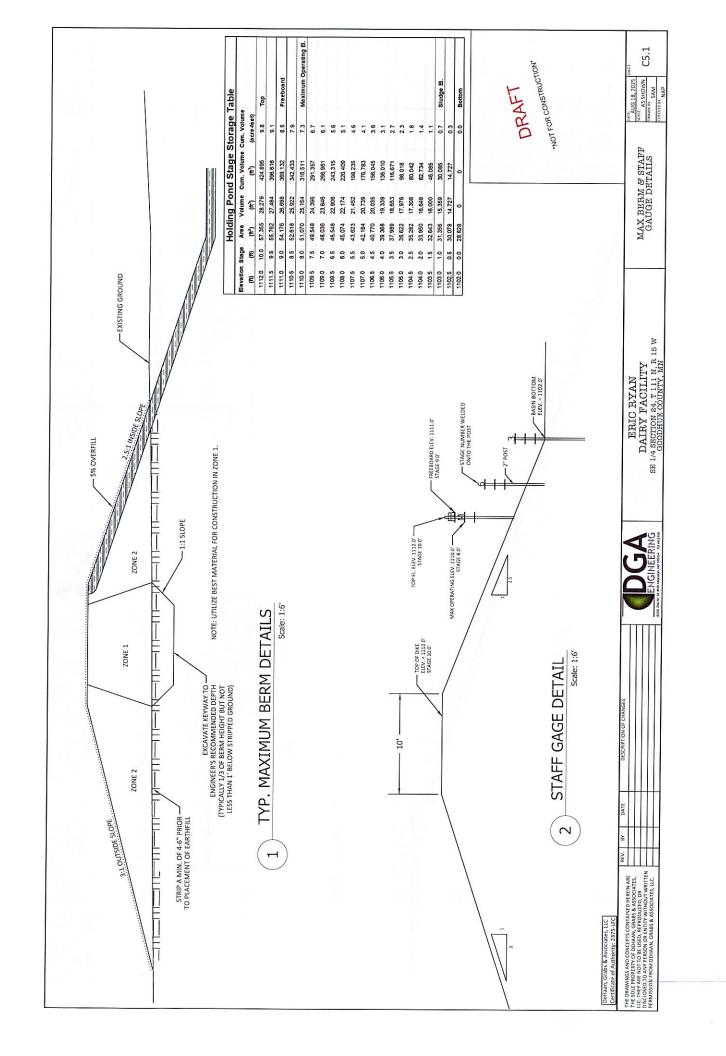




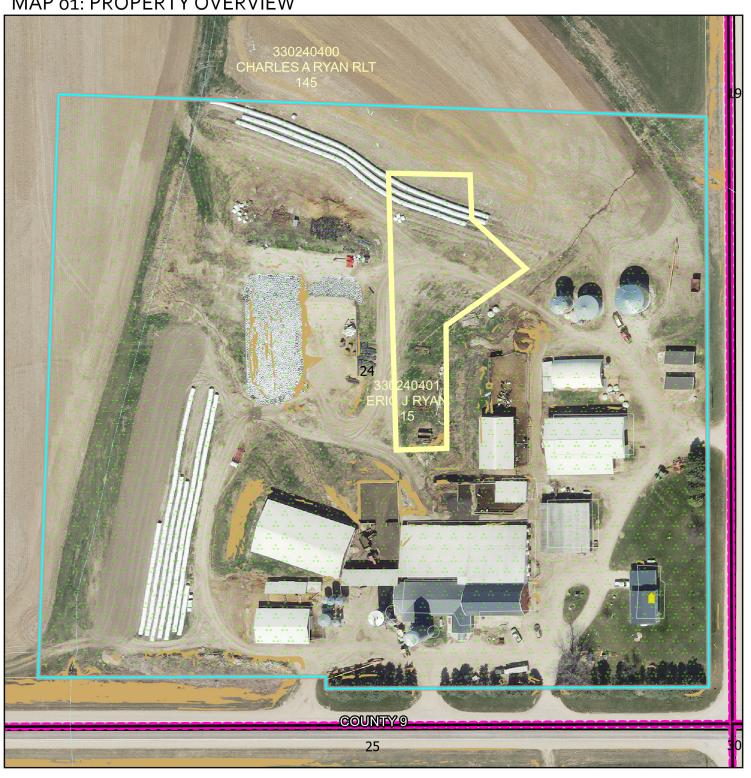








MAP 01: PROPERTY OVERVIEW



PLANNING COMISSION

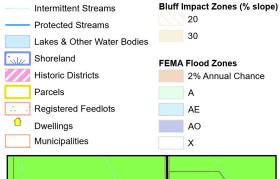
Public Hearing September 15, 2025

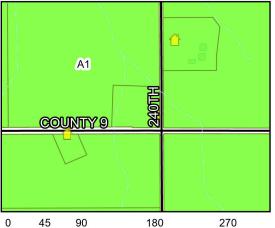
Eric Ryan (Owner) A-1 Zoned District.

The SE1/4 of Sec 24 Twp 111 Range 15 in Goodhue Township.

Request for CUP to build a manure storage that is proposed to be 3.1 million gallons.

Legend





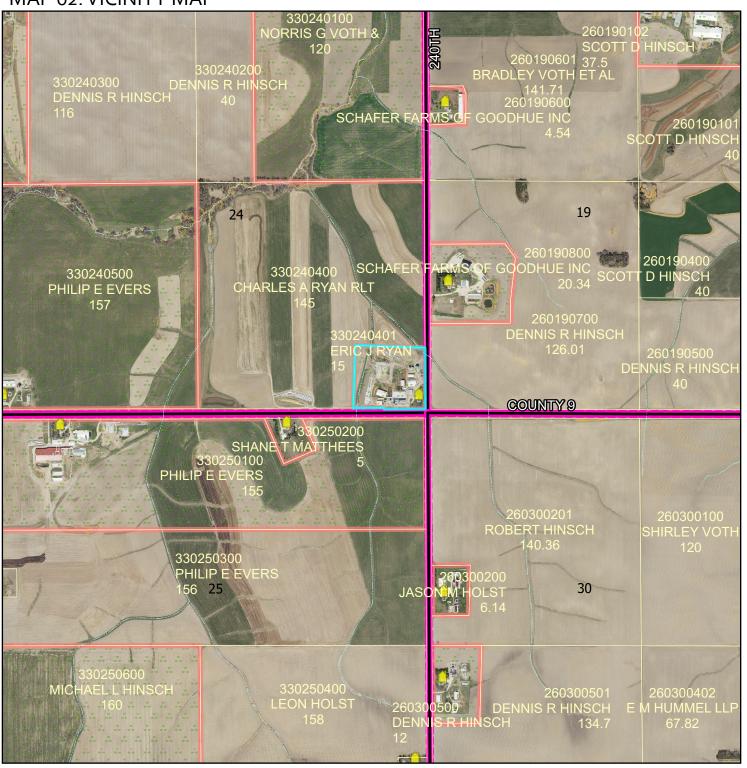
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US Feet

MAP 02: VICINITY MAP



PLANNING COMMISSION

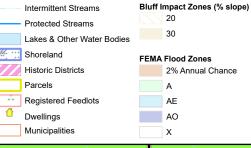
Public Hearing September 15, 2025

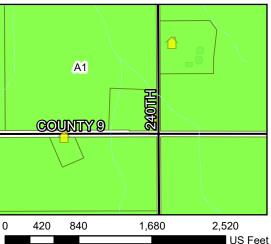
Eric Ryan (Owner) A-1 Zoned District.

The SE1/4 of Sec 24 Twp 111 Range 15 in Goodhue Township.

Request for CUP to build a manure storage that is proposed to be 3.1 million gallons.

Legend





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