

NOTICE: This document is required under s. 281.65, Wis. Stats., and chs. NR 153 and 154, Wis. Adm. Code. A final project report must be submitted as part of the final reimbursement request. Personally identifiable information contained in this form will be used for determining reimbursement eligibility in the Targeted Runoff Management and Notice of Discharge Grant Programs and will not be used for any other purpose.

INSTRUCTIONS: Send the completed, electronic copy of this form and all attachments to the Department of Natural Resources (DNR) Region Nonpoint Source Coordinator. Please read all instructions prior to completion.

Grant Type							
Select Grant Type Notice of Discharge							
Project Name & Location							
Project Name Russ Ferg NOI/NOD Project							
Grant Number NOD-NOD69000Y16				Governmental Unit Name Waupaca County Land & Water Conservation Dept			
County Waupaca		Watershed Name Lower Little Wolf		12-Digit HUC 040302021704			
Project Contact Name Brian Haase			Phone Number (715) 258-6482		E-mail Address brian.haase@co.waupaca.wi.us		
<input checked="" type="checkbox"/> For a project with multiple site locations, an aerial photo map is attached with each site location labeled.							

Site Location - 1							
Name of Cost-Share Recipient Russ Ferg/Ferg's White Clover Dairy					Animal Units 996	Nearest Receiving Waterbody Thiel Creek	
Township 23	Range 13	E / W E	Section 8	Quarter SE	Quarter/Quarter NE	Latitude 44.4803	Longitude -88.9418
Compliance Requirements - 1							
Chs. NR 151 or 243 Wis. Adm. Code Notice Type NOI / NOD		Notice letter attached <input type="checkbox"/>	Compliance achieved? If no, explain in site information <input checked="" type="radio"/> Yes <input type="radio"/> No			Compliance determination letter attached <input type="checkbox"/>	
<input checked="" type="checkbox"/> Attached is a copy of the written statement the County provided to the landowner and cost-share recipient of the landowner's obligation to maintain compliance with performance standards & prohibitions on cropland and livestock facilities addressed by the cost-share agreement. Compliance at these sites must be maintained in perpetuity regardless of future cost sharing. The County has also placed a copy of this written statement in the County files.							

Summary of Results - 1							
Best Management Practice Installed	Quantity	Unit of Measure	Performance Standard/Prohibition Addressed	Total Installation Cost	Load Reduction		
					Phosphorus lbs/yr	Nitrogen lbs/yr	Sediment Tons/yr
Feed Storage Runoff Control Systems	1	No.	Code(s) 12	\$228,689.07	6844		
Critical Area Stabilization	5	Acres	Code(s) 12,13	\$0.00			25
Roof Runoff Systems	1	No.	Code(s) 8	\$0.00			

Site Location Attachment - 1	
Check the box if the required information for the site is attached:	
<input checked="" type="checkbox"/> Photos of pre-and post-implementation of BMP(s)	<input checked="" type="checkbox"/> Load reduction modeling documents
<input checked="" type="checkbox"/> Aerial photo map of site with BMPs labeled	<input type="checkbox"/> Water quality monitoring results/summary, if applicable

Site Information - 1
Narrative space will expand to fit
 The BMP's installed with this grant at Site #1 are Feed Storage Runoff Control Systems and at Site #2 Critical Area Stabilization. Manure Storage was installed at Site #1 in 2016 with Federal funding and was designed for and is used as additional storage for the Feed Storage Runoff Control System. That storage was to accommodate a new building, also

built in 2016, for heifers that allowed for the abandonment of the two outdoor feedlots at Site #1. Roof Runoff Systems were installed at Site #2 at the landowners cost. The roof runoff system eliminated clean water discharge to the Critical Area Stabilization seeding completed on the pasture at site #2.

DNR may use this site as a success story to meet state and federal reporting needs.

Additional Project Information and/or Comments

Narrative space will expand to fit

Grantee Certification

A responsible government official (authorized signatory) must authorize and date the final report form prior to submittal to DNR.

I certify that, to the best of my knowledge, the project is complete and the information contained in this final report and attachments are correct and true.

Name of Authorized Government Official	Title of Authorized Government Official	Date
Brian Haase 	County Conservationist	05/10/2018

For DNR Use Only

Received complete reports with all attachments Practices implemented were consistent with the grant agreement

Comments about this project:

I inspected this finished project on 11/14/17. Practices implemented looked good and were consistent with grant agreement.

Name of Region Nonpoint Source Coordinator	Date
<i>Eric Evensen</i>	<i>5/30/2018</i>

Send the Final Report and attachments to the Community Financial Assistance Grants Manager and to the Runoff Management Grant Coordinator. Keep a printed copy for the Region file.

Waupaca County
Land & Water Conservation Department

811 Harding Street
Waupaca WI 54981
Fax: 715/258-6239

Phone: 715/258-6245



Brian Haase
County Conservationist
Sherry Weise
Program Assistant
Corey Schuelke
Engineering Technician
Greg Peterson
Engineering Technician
Dan McFarlane
Engineering Technician/GIS
Stefan Stults
Nutrient Mngmt. Specialist

November 1st, 2017

Russ Ferg
N6834 White Clover Road
Manawa, WI 54949

Russ,

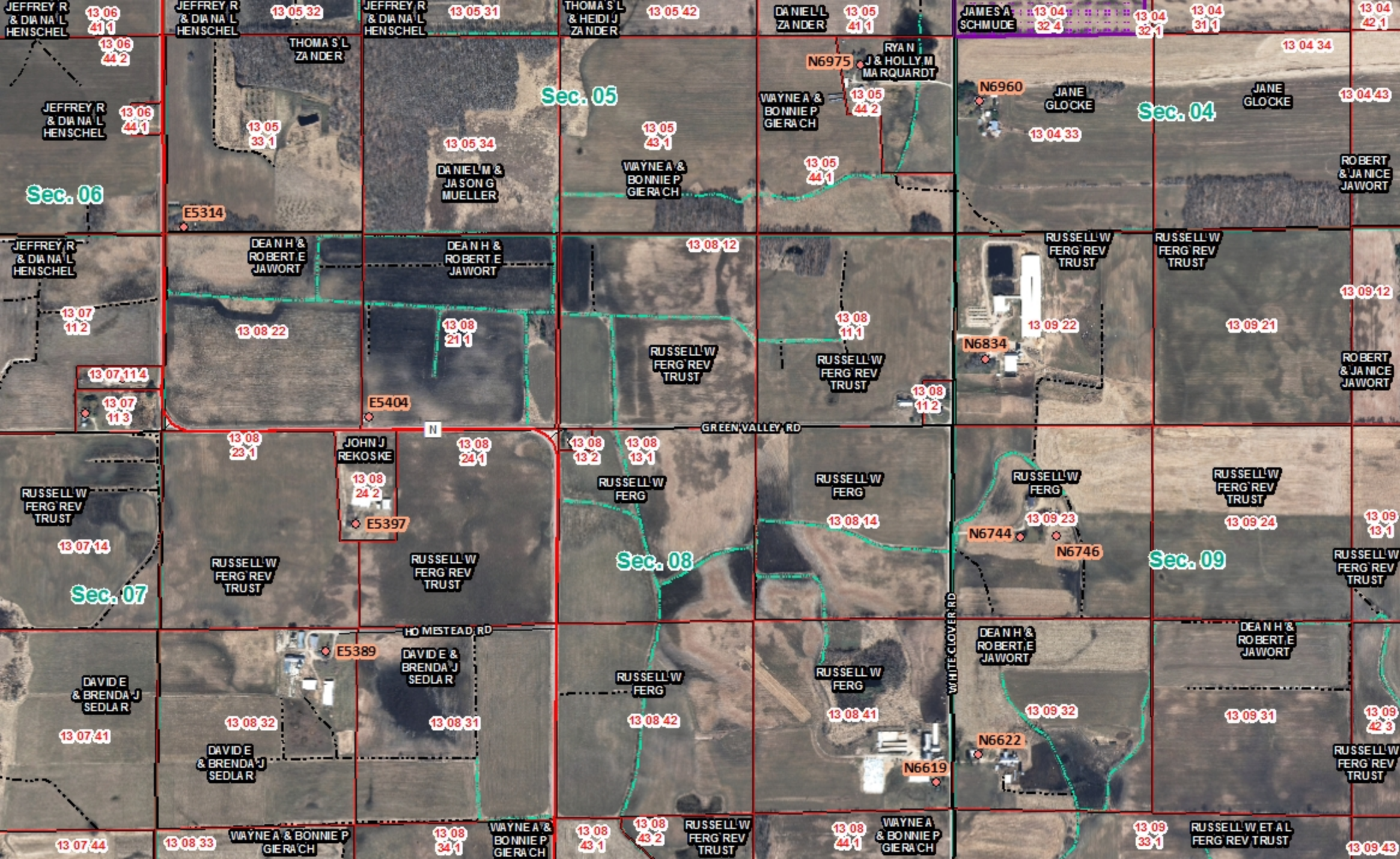
Waupaca County is required to inform you in writing, as part of the NOI/NOD grant process, of your obligation to maintain compliance with the applicable state agricultural performance standards and prohibitions that were addressed by the NOI/NOD cost-share agreement. These standards and prohibitions are outlined in Subchapter II (NR 151.02-NR 151.09) of Wisconsin Administrative Code NR 151. Enclosed you will find a copy of NR 151 Subchapters I & II that pertain specifically to agriculture and your project. I encourage you to take the time to read them over carefully.

Also, to further comply with NR 151.07 (Nutrient Management) and Section 10.52 of the Waupaca County Manure Storage Ordinance, Waupaca County and the State of Wisconsin requires that you submit a copy of your Nutrient Management Plan (NRCS 590) to our office by April 1st of each year. Copies of your plan will be kept on file for potential review by DNR, DATCP or County staff.

If you have any questions regarding this issue or would like a full copy of Wisconsin Administrative Code NR 151, please feel free to call me at 715-258-6482.

Sincerely,

Brian Haase
County Conservationist
Waupaca County LWCD
715-258-6482



Sec. 06

Sec. 05

Sec. 04

Sec. 07

Sec. 08

Sec. 09

JEFFREY R & DIA NA L HENSCHEL 13 06 44.1

JEFFREY R & DIA NA L HENSCHEL 13 06 44.2

THOMAS S L ZANDER 13 05 33.1

13 05 34 DANIEL M & JASON G MUELLER

WAYNE A & BONNIE P GIERA CH 13 05 43.1

WAYNE A & BONNIE P GIERA CH 13 05 44.1

WAYNE A & BONNIE P GIERA CH 13 05 44.2

RYAN J & HOLLY M MA RQUARDT 13 05 41.1

JANE GLOCKE 13 04 33

JEFFREY R & DIA NA L HENSCHEL 13 07 11.2

JEFFREY R & DIA NA L HENSCHEL 13 07 11.3

DEAN H & ROBERT E JAWORT 13 08 22

DEAN H & ROBERT E JAWORT 13 08 21.1

RUSSELL W FERG REV TRUST 13 08 12

RUSSELL W FERG REV TRUST 13 08 11.1

RUSSELL W FERG REV TRUST 13 09 22

RUSSELL W FERG REV TRUST 13 09 21

ROBERT & JA NICE JAWORT 13 09 12

RUSSELL W FERG REV TRUST 13 07 14

RUSSELL W FERG REV TRUST 13 08 23.1

JOHN J REKOSKE 13 08 24.1

JOHN J REKOSKE 13 08 24.2

RUSSELL W FERG 13 08 13.2

RUSSELL W FERG 13 08 13.1

RUSSELL W FERG 13 08 14

RUSSELL W FERG 13 09 23

RUSSELL W FERG REV TRUST 13 09 24

DAVID E & BRENDA J SEDLAR 13 07 41

DAVID E & BRENDA J SEDLAR 13 08 32

DAVID E & BRENDA J SEDLAR 13 08 31

RUSSELL W FERG 13 08 42

RUSSELL W FERG 13 08 41

RUSSELL W FERG 13 09 32

DEAN H & ROBERT E JAWORT 13 09 31

DEAN H & ROBERT E JAWORT 13 09 31

RUSSELL W FERG REV TRUST 13 09 42.3

WAYNE A & BONNIE P GIERA CH 13 08 33

WAYNE A & BONNIE P GIERA CH 13 08 34.1

WAYNE A & BONNIE P GIERA CH 13 08 34.1

WAYNE A & BONNIE P GIERA CH 13 08 43.1

WAYNE A & BONNIE P GIERA CH 13 08 43.2

RUSSELL W FERG REV TRUST 13 08 44.1

WAYNE A & BONNIE P GIERA CH 13 09 33.1

RUSSELL W ET AL FERG REV TRUST 13 09 33.1

RUSSELL W FERG REV TRUST 13 09 43

GREEN VALLEY RD

WHITE CLOVER RD

HOMESTEAD RD

E5314

E5404

E5397

E5389

N6975

N6960

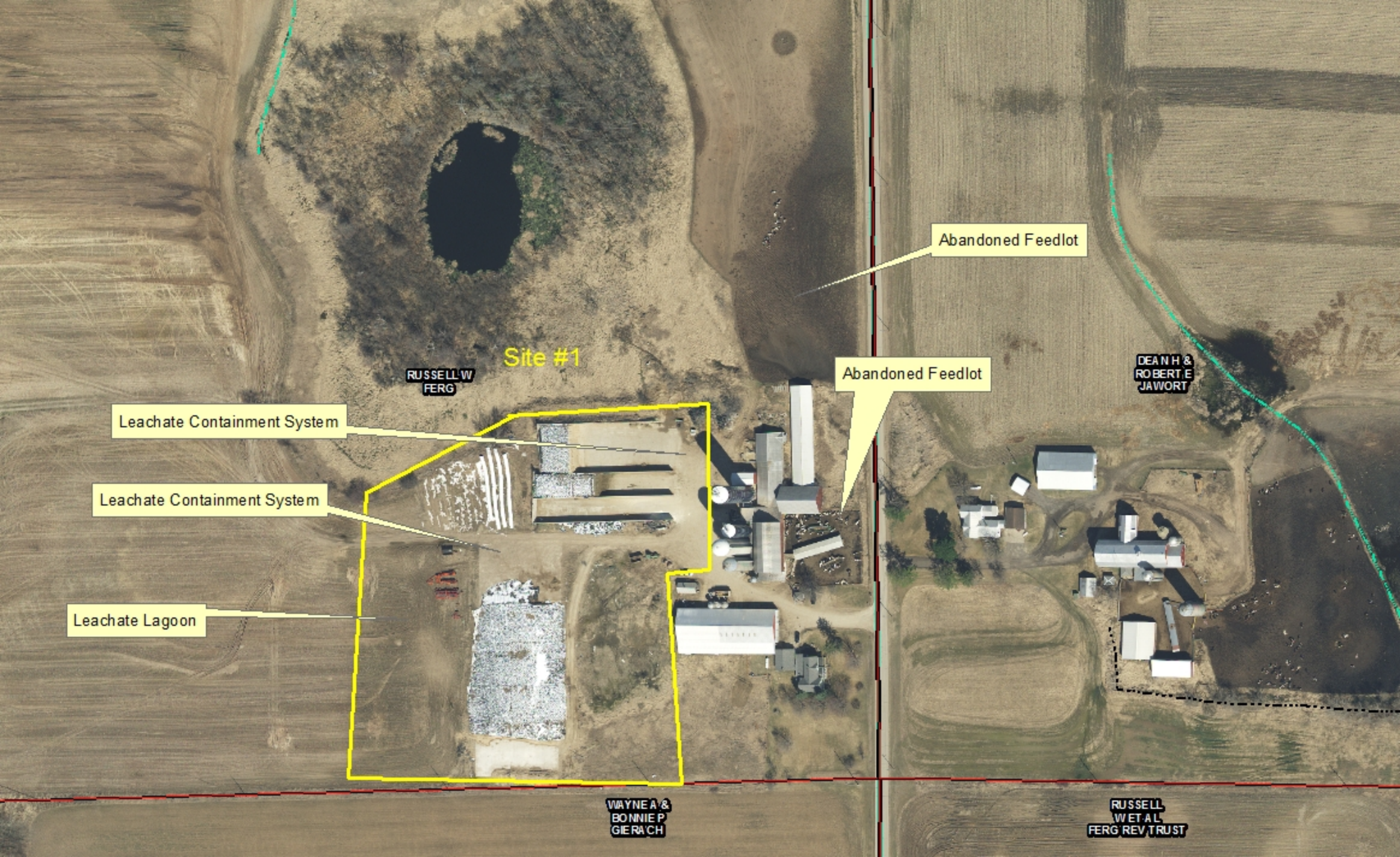
N6834

N6744

N6746

N6622

N6619



Site #1

RUSSELL W
FERG

DEAN H &
ROBERT E
JAWORT

WAYNE A &
BONNIE P
GIERACH

RUSSELL
W ET AL
FERG REV TRUST

Abandoned Feedlot

Abandoned Feedlot

Leachate Containment System

Leachate Containment System

Leachate Lagoon

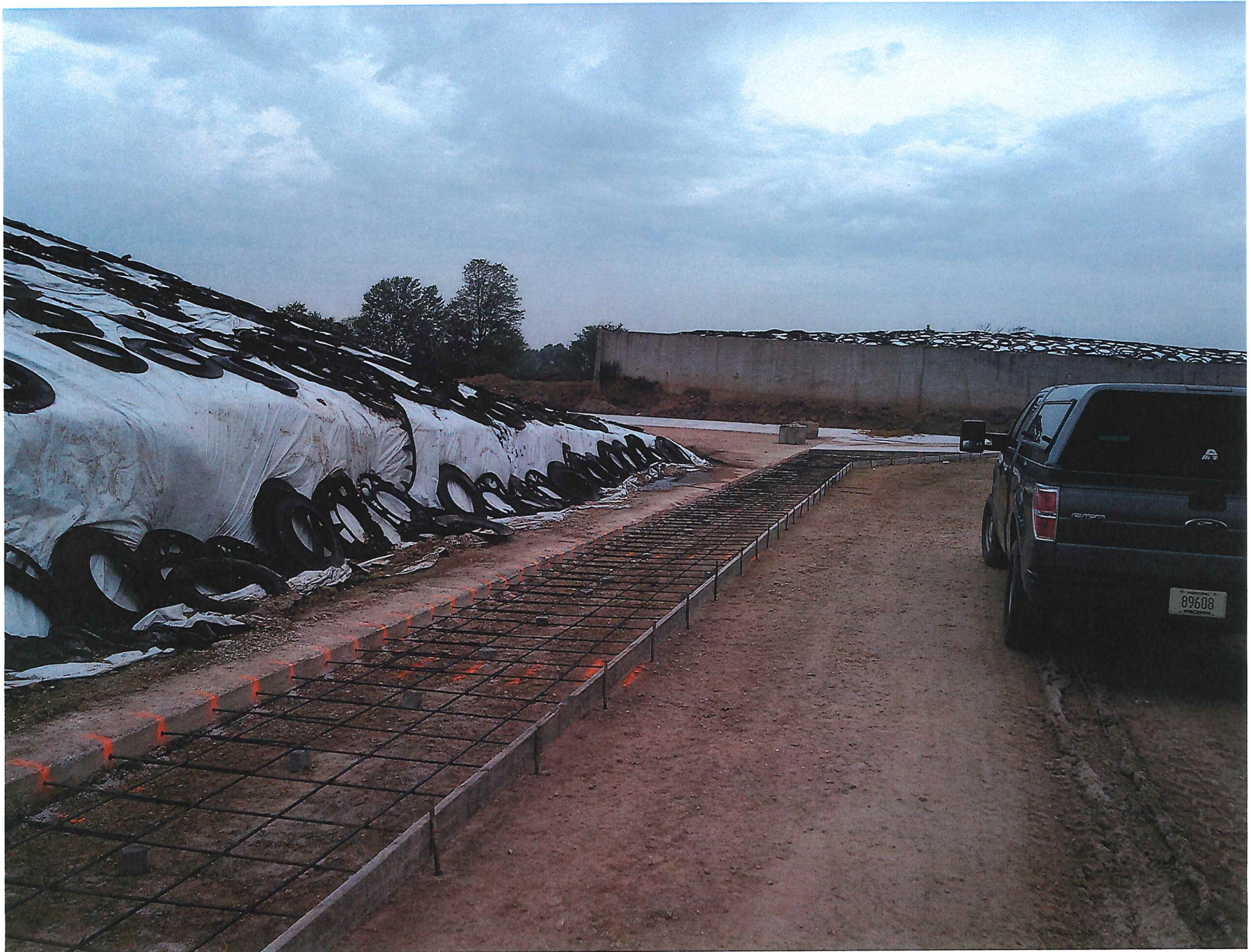


SITE #2

Critical Area Stabilization

Roof Runoff System





Leachate Containment

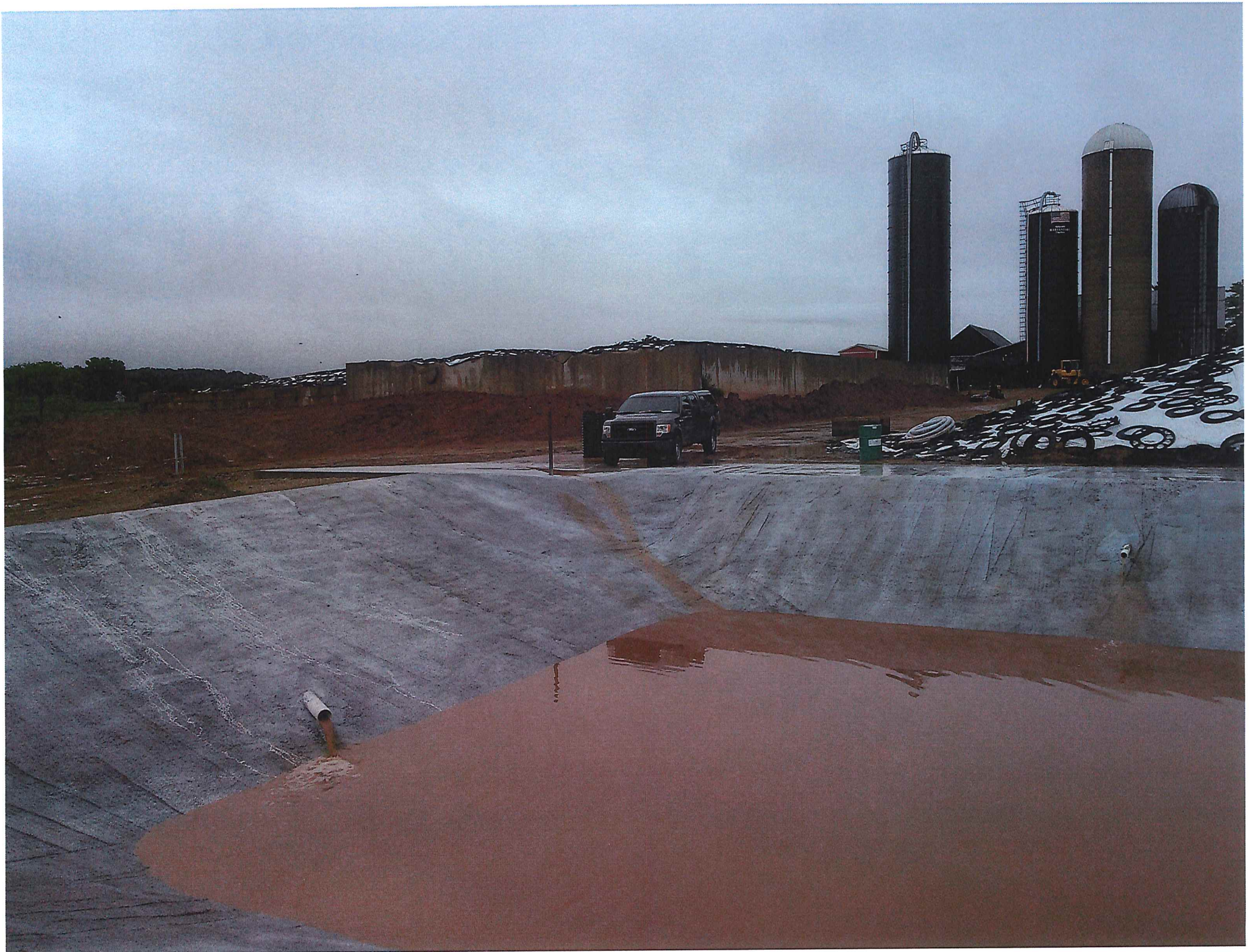
























Critical Area Stabilization

Roof Runoff Control



Brian Haase

From: Evensen, Eric D - DNR [Eric.Evensen@wisconsin.gov]
Sent: Tuesday, March 06, 2018 12:23 PM
To: Brian Haase
Subject: Ferg Final Report

Hey Brian,

To calculate load reductions for the Ferg final report I would calculate how much feed storage runoff is collected on an average year based on rainfall. Then use some average numbers in the table below to calculate N and P reductions. Sediment is not listed in the table but I have to believe the sediment content in feed storage runoff is relatively low.

Constituent	Liquid Dairy Manure	Leachate	Feed Storage Runoff	Municipal influent
Dry Matter	5%	5% (2-10%)	0 - 5%	≈1%
Total N (mg/L)	2,600	1,500-4,400	20 - 1,400	40
P (mg/L)	1,100	300-600	8 - 660	9
K (mg/L)	2,500	3,400-5,200	n/a	n/a
pH	7.4	3.6-5.5	4 - 7	6.5 - 8.0
BOD (mg/L)	5,000-10,000	12,000-90,000	500 - 61,000	250

Used 600

We are committed to service excellence.
 Visit our survey at <http://dnr.wi.gov/customerurvey> to evaluate how I did.

Eric Evensen
 Nonpoint Source Coordinator – Bureau of Watershed Management
 Wisconsin Department of Natural Resources
 625 E. County Road Y, Suite 700
 Oshkosh, WI 54901
 Phone: (920) 303-5447
Eric.Evensen@wisconsin.gov

$$68,527 \times 32'' = 182,739 \text{ cu ft}$$

$$182,739 \times \frac{28.3168 \text{ L}}{\text{cu ft}} = 5,174,584 \text{ Liters}$$

$$600 \frac{\text{mg}}{\text{L}} \times 5,174,584 \text{ L} = 3,104,750,400 \text{ mg}$$

$$3,104,750,400 \text{ mg} \times \frac{1 \text{ mg}}{2,204,622.6 \text{ lb}} = 6844 \text{ lbs P}$$



May 30, 2018

Russell Ferg
N6834 White Clover Road
Manawa WI 54949

Subject: Satisfaction of Notice of Intent to Issue Notice of Discharge

Dear Mr. Ferg:

On May 29, 2015, the Department of Natural Resources (Department) issued a Notice of Intent for feedlot and feed storage discharge to an unnamed tributary to Thiel Creek from your operation located at N6834 White Clover Road and N6619 White Clover Road in the Town of Little Wolf, Waupaca County.

On November 14, 2017, the Department completed an inspection that confirmed items necessary to permanently prevent the discharge had been completed. You have met the conditions of the Notice of Intent and the Department has determined that your operation is in compliance with the following agricultural performance standards:

- NR 151.055, *There may be no significant discharge of process wastewater to water of the state.*
- NR 151.08(4), *A livestock operation shall have no direct runoff from a feedlot or stored manure into the waters of the state.*

Please note that it is your responsibility to maintain the installed practices and to continue to meet the agricultural performance standards regardless of future cost-share availability.

Thank you for your continued efforts to protect the water quality in Thiel Creek and the Little Wolf River. Please contact me at (920) 303-5447 of Eric.Evensen@wisconsin.gov if you have any questions regarding this letter.

Sincerely,

Eric Evensen
Northeast Nonpoint Source Coordinator

CC: M. Gilbertson, A. Hirekatur – Wisconsin DNR
B. Haase – Waupaca County