Wisconsin Department of Natural Resources
Bureau of Watershed Management (WT/3)
101 S. Webster Street
PO Box 7921
Madison, WI 53707-7921
dnr.wi.gov

Final Report

Agricultural Targeted Runoff Management & Notice of Discharge Grant Programs

Form 3400-189A (R 05/16)

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: Small Scale Total Maximum Daily Load (TMDL)

Project Name & Location

Project Name		
Grosse Runoff Management		
Grant Number	**Governmental Unit Name**	
TMD-LF05-44000-14	Outagamie County	
County	**Watershed Name**	**12-Digit HUC**
Outagamie	Duck Creek	040302040102
Project Contact Name	**Phone Number**	**E-mail Address**
Elly Magdanz	(920) 832-6057	elly.magdanz@outagmie.org

☒ 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					Animal Units	Nearest Receiving Waterbody	
Peter J Grosse					162	Duck Creek	
Township	**Range**	**E / W**	**Section**	**Quarter**	**Quarter/Quarter**	**Latitude**	**Longitude**
23	18	E	20	SW	NW	44.44917	-88.34716

Compliance Requirements - 1

Chs. NR 151 or 243 Wis. Adm. Code Notice Type	Notice letter attached	Compliance achieved? If no, explain in site information	Compliance determination letter attached
NR 151	☒	◉ Yes ○ No	☒

☒ 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
Waste Transfer Systems	1	No.	Code(s) 6		373.03	1471.38	0
Manure Storage Systems	1	No.	Code(s) 6				

Site Location Attachment - 1

Check the box if the required information for the site is attached:

☒ Photos of pre-and post-implementation of BMP(s)
☒ Load reduction modeling documents
☒ Aerial photo map of site with BMPs labeled
☐ Water quality monitoring results/summary, if applicable

Site Information - 1

Narrative space will expand to fit

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☐ 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
Gregory Baneck	County Conservationist	

For DNR Use Only

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

Comments about this project:
None.

Name of Region Nonpoint Source Coordinator	Date
Erin Hanson	03/01/2017

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.

CONSTRUCTION PLAN

PRACTICE WASTE TRANSFER (634)

LANDOWNER PETE GROSSE

ADDRESS N5850 FRENCH RD, SEYMOUR WI 54165

LANDOWNER PHONE NO. 833-7174 COUNTY OUTAGAMIE

TOWNSHIP OSBORN T 23 N, R 18 E, Sec. 20

FIELD OFFICE APPLETON TELEPHONE NO. 832-6057

DIGGERS HOTLINE

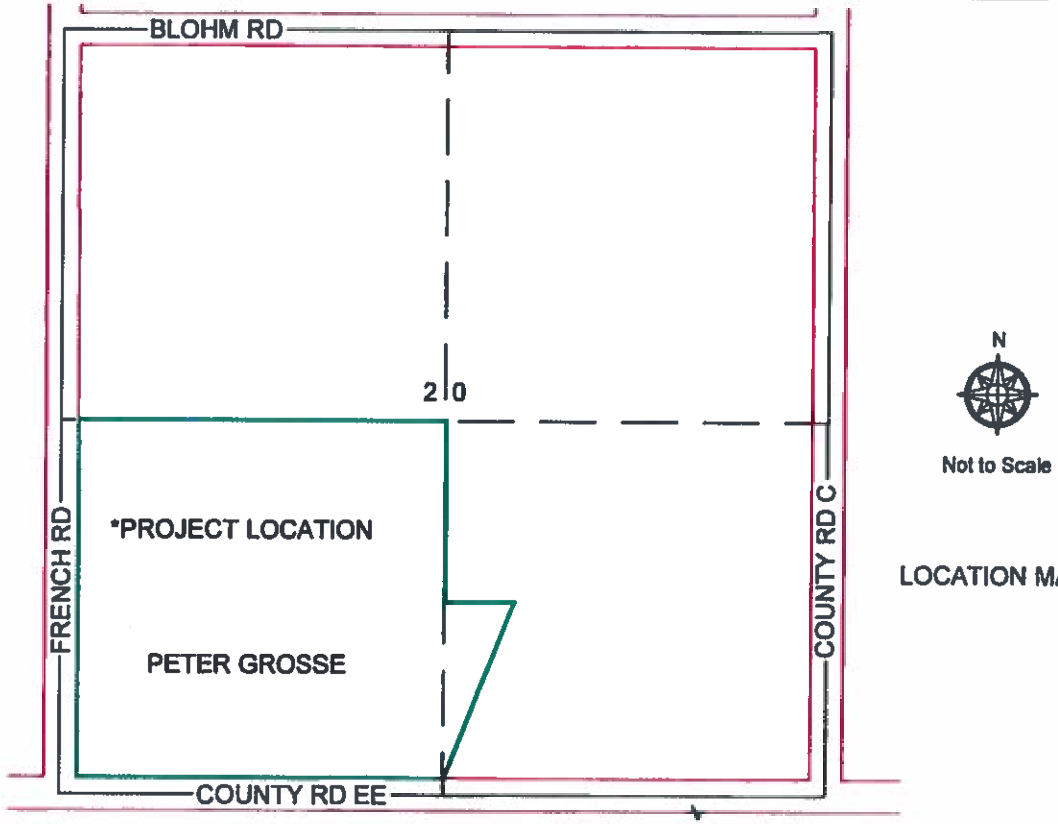
Call 3 Work Days
Before You Dig!

Nationwide
811

Toll Free
1-800-242-8511

TDD
1-800-542-2289

Website
www.diggershotline.com



LOCATION MAP

NOTICE TO LANDOWNERS AND EXCAVATORS

Any representation made by the USDA, Natural Resources Conservation Service, or the Outagamie County LCD, as to the approximate location or nonexistence of above or under ground hazards does not relieve the owner of the property or the excavator that is hired to complete construction, from notifying Diggers Hotline of the pending construction. You will be liable for damages resulting from construction activities. Call Diggers Hotline!

Signed: Pete L. Grosse Date: 10-14-2016

Designed by: Elly Magdanz Date: 9/13/16

Checked by: [signature] Date: 9-13-16

Approved by: [signature] Date: 9-27-16

The installed practices comply with applicable NRCS technical standards and specifications. The "red-lined" construction plans (as-built drawings) reflect changes made during construction.

Construction Approved by: Elly Magdanz Date: 11/22/16

Job Approval Class

Sheet 1 of 7

CERTIFICATE OF CONFORMANCE

The undersigned manufacturer/supplier has furnished to:
Peter Grosse
N5850 French Road
Seymour WI 54165

One Slurrystore Manure Storage System

And hereby states that the quality of work and materials meets the requirements set for in the project no. 1613940

Supplier: Foxland Harvestore, Inc.
2500 Tower Drive
Kaukauna WI 54130

Signature: _____ Date: 11/20/2016

Stuart Fenendael
Sales Manager

Manufacturer/Supplier: CST Storage, DeKalb, IL

The CST Storage licensed engineer who certified the design will also certify that the completed installation meets the manufacturer's plans and specifications, based on the certification of the trained dealer who performed the installation. The following statement will suffice to document the certification of the Slurrystore tank installation, along with the stamp of the Wisconsin licensed engineer.

"To the best of my professional knowledge, judgement, and belief, the storage tank has been installed in accordance with the construction drawings and specifications."

Signature: _____ Date: 12/12/2016

SEAL

OUTAGAMIE COUNTY
LAND CONSERVATION DEPARTMENT
3365 W. BREWSTER ST. APPLETON, WISCONSIN 54914-1602
PHONE (920) 832-5073 FAX (920) 832-4783

December 12, 2016

AG ID #: 14797
PETER J GROSSE
N5850 FRENCH RD
SEYMOUR, WI 54165

Dear Mr. PETER J GROSSE:

On 12/12/2016, Elly Magdanz from the Outagamie County Land Conservation Department performed an inventory of livestock facilities on property that you own or operate described as,
180025000
N792FT OF W1100FT NW SW SEC20 T23N R18E 20AC M/L 15825M42 ,

The purpose of this inventory was to determine compliance with Agricultural Performance Standards and Prohibitions. Compliance with these standards is a requirement for agricultural land and activities in Outagamie County per Outagamie County Chapter 4, Agricultural Performance Standards and Animal Waste Storage Ordinance.

It has been determined that all livestock waste practices and facilities on your farm are currently in compliance with Agricultural Performance standards and Prohibitions currently in effect. Therefore, no further action is required by you at this time.

Outagamie County Chapter 4, Agricultural Performance Standards and Animal Waste Storage Ordinance as well as Chapter NR 151, Wisconsin Administrative Code requires that you maintain this level of compliance regardless of future cost sharing. This will require your continued operation and maintenance of all livestock facilities in accordance with accepted standards of practice. This compliance assessment and determination does not cover performance standards and prohibitions that become effective at a future date, nor does it cover requirements for cropped lands, which will be inventoried at a future date. Also, any new practices or facilities initiated or constructed on your farm in the future must comply with all effective performance standards at the time you initiate the change on your farm, regardless of cost sharing.

Thank you for your continued conservation efforts. They have contributed significantly to improved water quality within Outagamie County. If you have any further questions or concerns, please contact me at (920) 832-5073.

Sincerely,

Gregory J. Baneck
County Conservationist

8'x10'x5' DEEP PRECAST
RECEPTION TANK
WITH FIBERGLASS LID
TOP OF WALL = 820.9
TOP OF FLOOR = 815.9

817.78
sd6

AIR BLOW OUT

EXISTING 6" TILE
FOR ROOF GUTTER OUTLET

462' OF 8" SDR 21
PVC TRANSFER PIPE

815.33
bedrock

818.40
sd D

170'

PUMP ROOM

HOULE ELECTROMIX PUMP
LOCATED IN RECEPTION
TANK

EXISTING VTA

819.21
sd5

817.63
bedrock

819.15
sdb

816.90
bedrock

819.04
sd E

817.05
bedrock

819.46
sdc

EXISTING CONCRETE SPREADER
PAD AND CURBS

SD4

SD3

820.23
sd F

817.70
bedrock

230' OF 2" SCH 40 PVC
MILKHOUSE WASTE
TRANFER

EXISTING ACCESS ROAD

818.06
bedrock

95'x19'
SLURRYSTORE

821.47
sd H

95'

820.54
sd4

821.67
sda

SLURRYSTORE SUBGRADE: TRUCK
IN SCREENINGS & COMPACT WITH
ROLLER FOR SUBGRADE.
APPROX. 1,000 CU YDS OF
MATERIAL NEEDED FOR
SUBGRADE.

TOP OF FINISHED
FLOOR = 823.9

820.84
sd G

PLASTIC TOTE OR TANK
CUT INTO FLOOR AT
EXISTING FLOOR DRAIN
WITH SUMP PUMP

824.25
sd10

824.70
sd7

Outagamie County
LCD
Land Conservation Department

SCALE:
1"=40'

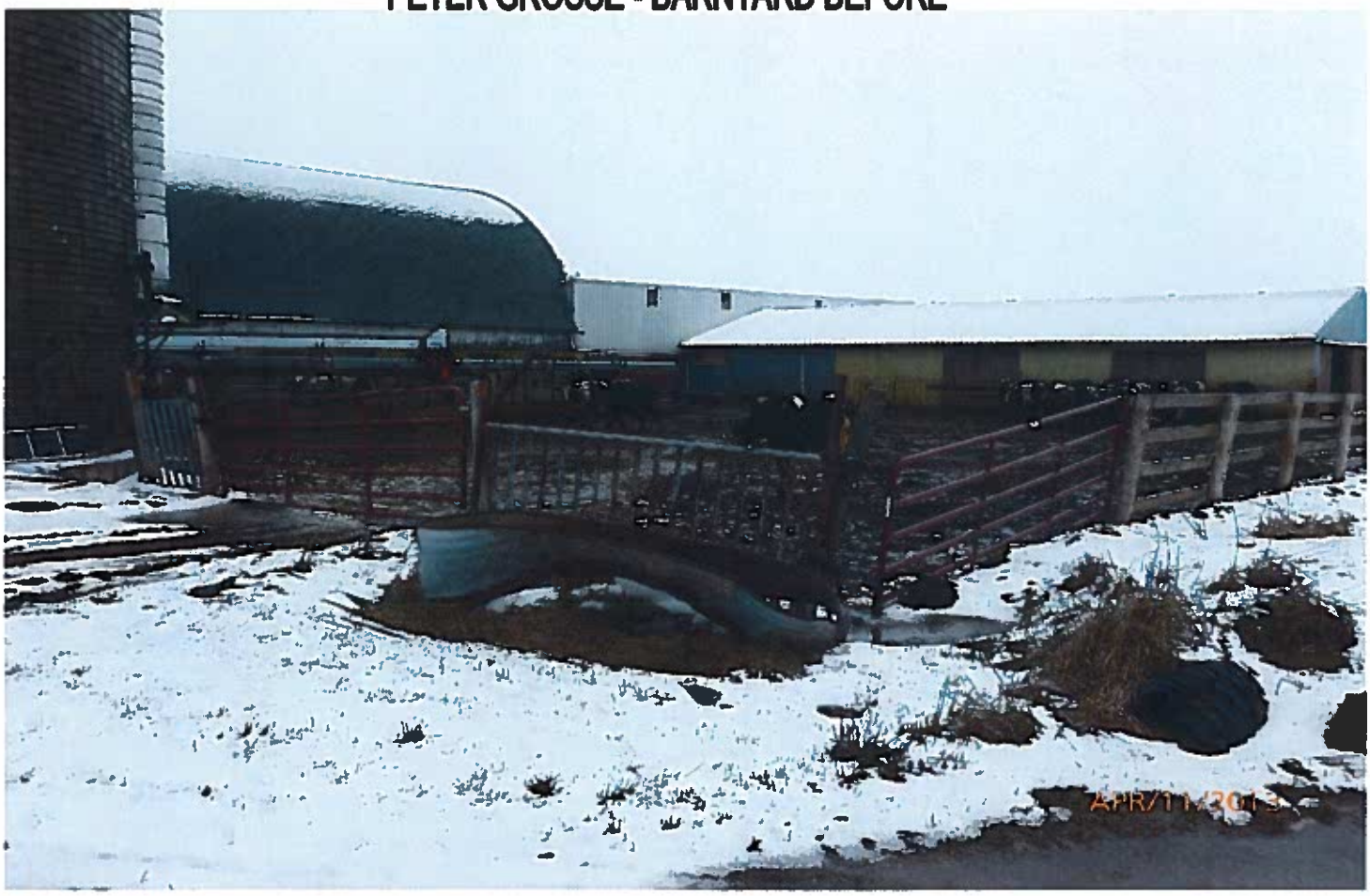
GROSSE
OWNER

OUTAGAMIE COUNTY
COUNTY

Designed: EM Checked:
Date:

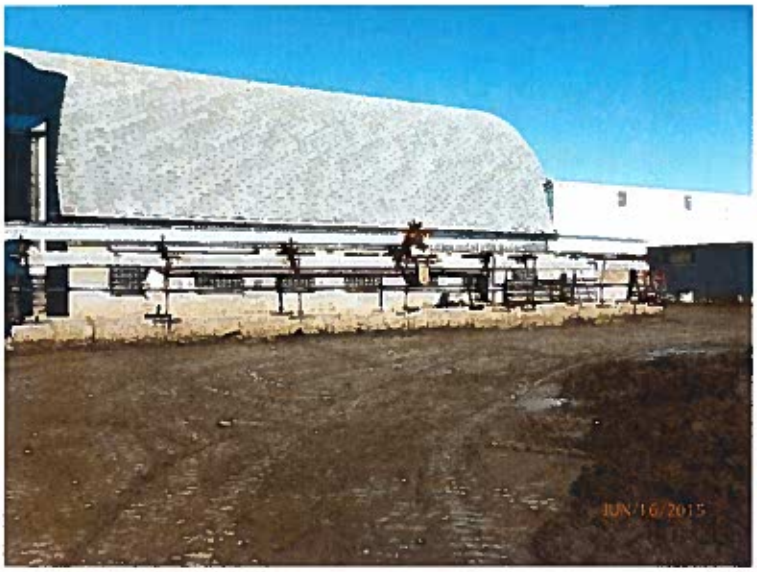
SHEET 6 OF 7

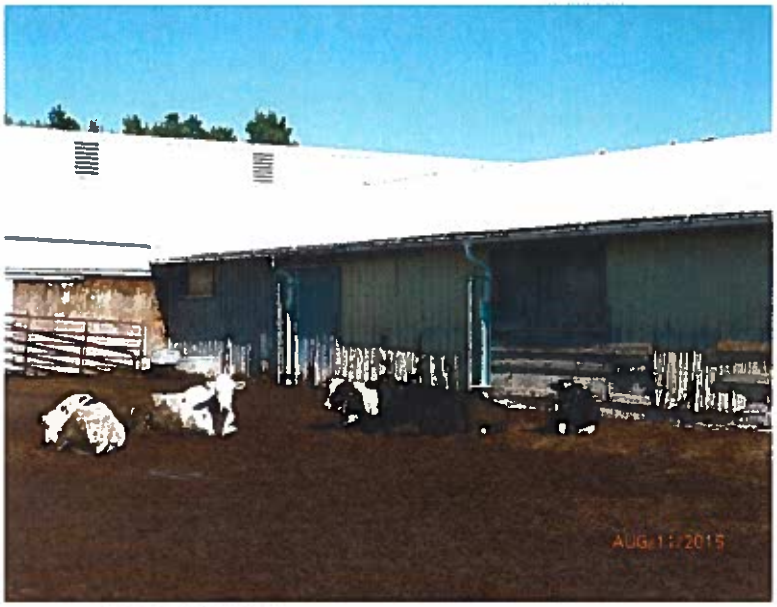
PETER GROSSE - BARNYARD BEFORE



PETER GROSSE - HEAVY USE AND VTA

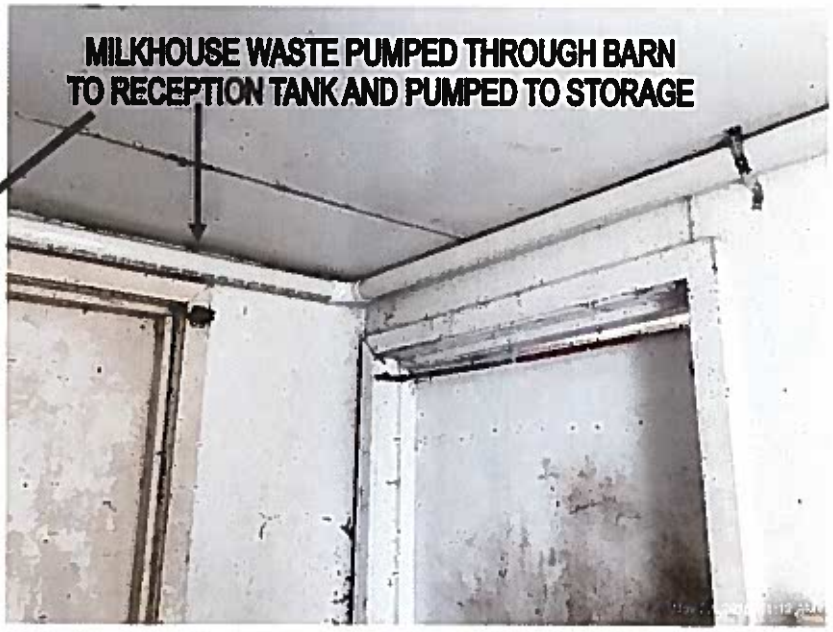
PETER GROSSE - ROOF GUTTERS & UNDERGROUND OUTLET





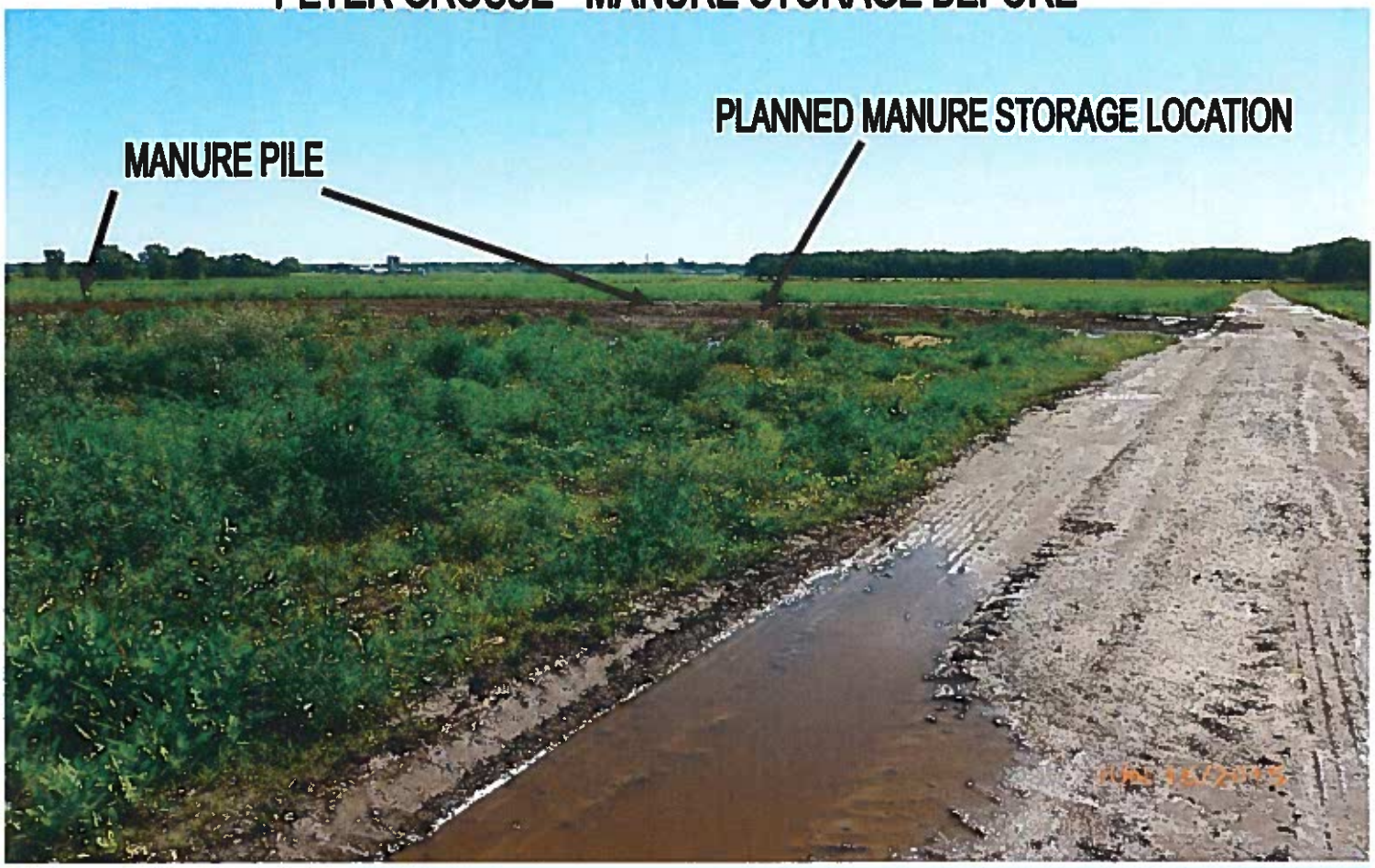
PETER GROSSE - MANURE TRANSFER

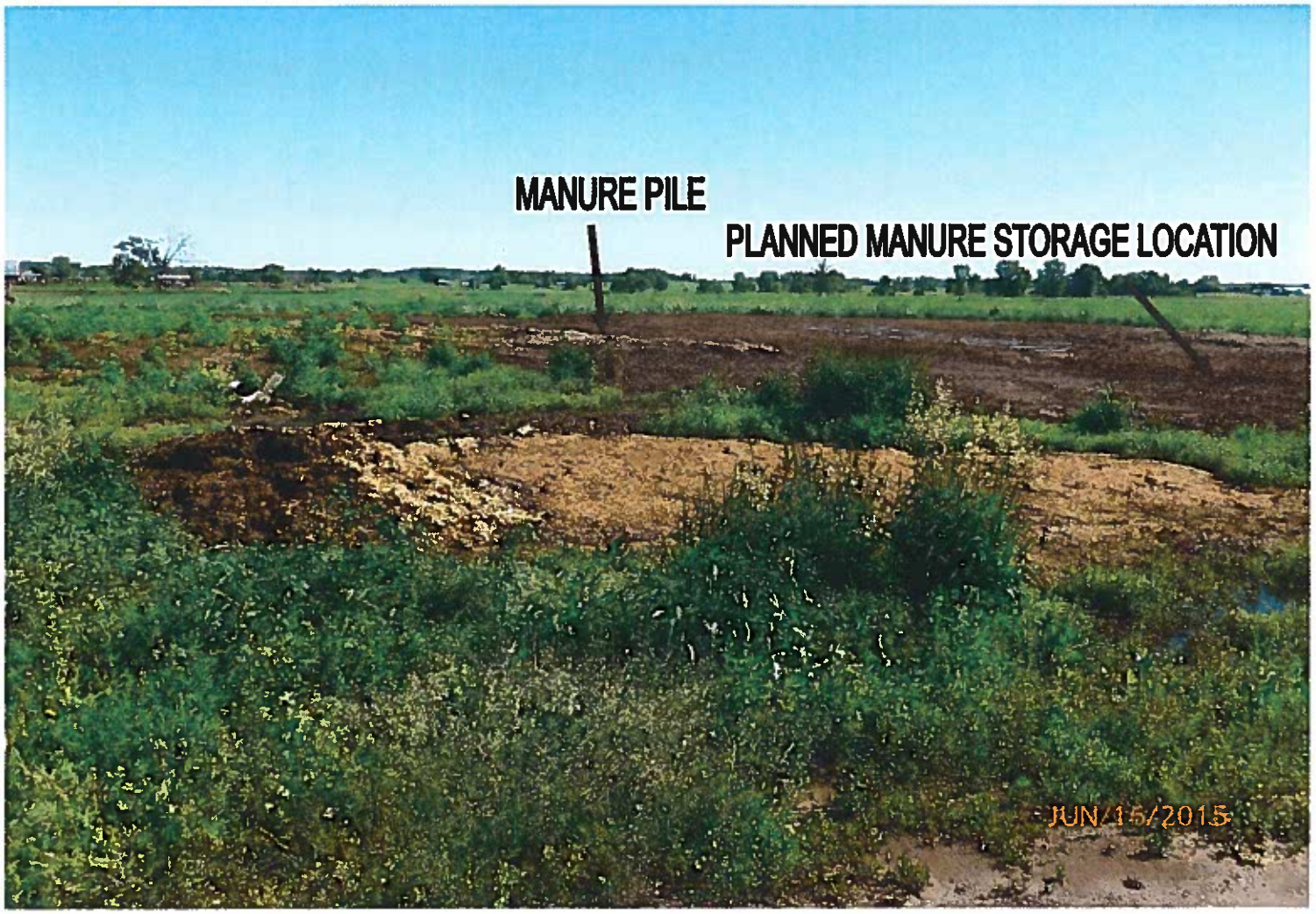
PETER GROSSE - MILKHOUSE WASTE TRANSFER



PETER GROSSE - MANURE STORAGE CONSTRUCTION

PETER GROSSE - MANURE STORAGE BEFORE





PETER GROSSE - MANURE STORAGE BEFORE

Pre

State: Wisconsin | County: Outagamie | Weather Station: WI GREEN BAY WSO

Rain correction factors: 0.818 | 0.333

Watershed	Urban	Cropland	Pastureland	Forest	User Defined	Feedlot	Feedlot Percent Paved	Total	Annual Rainfall	Rain Days	Avg. Rain/Even
W1	0	154	0	0	0	0.22	100%	154.22	33.34	101	0.797

Watershed	Beef Cattle	Dairy Cattle	Swine (Hog)	Sheep	Horse	Chicken	Turkey	Duck	# of months manure
W1	0	170	0	0	0	0	0	0	6
Total	0	170	0	0	0	0	0	0	

Watershed	No. of Septic Systems	Population per Septic System	Septic Failure Rate, %	Wastewater Direct Discharge, # of	Direct Discharge Reduction, %
W1	0	2.43	2	0	0

Watershed	Cropland					Pastureland					Forest					User Defined				
	R	K	LS	C	P	R	K	LS	C	P	R	K	LS	C	P	R	K	LS	C	P
W1	100.000	0.301	0.288	0.200	1.000	100.000	0.301	0.288	0.040	1.000	100.000	0.301	0.288	0.003	1.000	100.000	0.301	0.288	0.142	1.000

Optional Data Input:

Watershed	SHG A	SHG B	SHG C	SHG D	SHG Selected	Soil N conc, %	Soil P conc, %	Soil BOD conc, %
W1					B	0.090	0.031	0.160

Total Load This is the summary of annual nutrient and sediment load for each subwatershed. This sheet is initially protected.

a. Nutrient load from runoff (lb/year) without BMP's

Watershe	Cropland			Pastureland			Forest			User Defined		
	N	P	BOD	N	P	BOD	N	P	BOD	N	P	BOD
W1	1873.2	421.8	3051.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total	1873.2	421.8	3051.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

b. Nutrient load reduction in runoff with BMPs (lb/year)

Watershe	Cropland			Pastureland			Forest			User Defined		
	N	P	BOD	N	P	BOD	N	P	BOD	N	P	BOD
W1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

1. Total load by subwatershed(s)

Watershed	N Load (no BMP)	P Load (no BMP)	BOD Load (no BMP)	Sediment Load (no BMP)	N Reduction	P Reduction	BOD Reduction	Sediment Reduction	N Load (with BMP)	P Load (with BMP)	BOD (with BMP)	Sediment Load (with
	lb/year	lb/year	lb/year	t/year	lb/year	lb/year	lb/year	t/year	lb/year	lb/year	lb/year	t/year
W1	3178.8	762.1	5077.8	133.7	0.0	0.0	0.0	0.0	3178.8	762.1	5077.8	133.7
Total	3178.8	762.1	5077.8	133.7	0.0	0.0	0.0	0.0	3178.8	762.1	5077.8	133.7

c. Nutrient and sediment load by land uses with BMP (lb/year)

Watershe	Urban				Cropland				Pastureland				Feedlot			
	N	P	BOD	Sediment	N	P	BOD	Sediment	N	P	BOD	Sediment	N	P	BOD	Sediment
W1	0.0	0.0	0.0	0.0	2301.0	586.5	3907.3	267395.6	0.0	0.0	0.0	0.0	877.8	175.6	1170.4	0.0
Total	0.0	0.0	0.0	0.0	2301.0	586.5	3907.3	267395.6	0.0	0.0	0.0	0.0	877.8	175.6	1170.4	0.0

2. Total load by land uses (with BMP)

Sources	N Load (lb/yr)	P Load (lb/yr)	BOD Load (lb/yr)	Sediment Load (t/yr)
Urban	0.00	0.00	0.00	0.00
Cropland	2301.01	586.49	3907.33	133.70
Pastureland	0.00	0.00	0.00	0.00
Forest	0.00	0.00	0.00	0.00
Feedlots	877.82	175.56	1170.43	0.00
User Defined	0.00	0.00	0.00	0.00
Septic	0.00	0.00	0.00	0.00
Gully	0.00	0.00	0.00	0.00
Streambank	0.00	0.00	0.00	0.00
Groundwate	0.00	0.00	0.00	0.00
Total	3178.83	762.05	5077.76	133.70

Post

State	County	Weather Station
Wisconsin	Outagamie	WI GREEN BAY WSO

1. Input watershed land use area (ac) and precipitation (in)

									Rain correction factors		
									[illegible]	0.339	
Watershed	Urban	Cropland	Pastureland	Forest	User Defined	Feedlots	Feedlot Percent Paved	Total	Annual Rainfall	Rain Days	Avg. Rain/Event
W1	0	154	0	0	0	0.22	[illegible]	154.22	33.34	101	0.757

2. Input agricultural animals

Watershed	Beef Cattle	Dairy Cattle	Swine (Hog)	Sheep	Horse	Chicken	Turkey	Duck	# of months manure
W1	0	170	0	0	0	0	0	0	2
Total	0	170	0	0	0	0	0	0	

3. Input septic system and illegal direct wastewater discharge data

Watershed	No. of Septic Systems	Population per Septic System	Septic Failure Rate, %	Wastewater Direct Discharge, # of	Direct Discharge Reduction, %
W1	0	2.43	2	0	0

4. Modify the Universal Soil Loss Equation (USLE) parameters

Watershed	Cropland					Pastureland					Forest					User Defined				
	R	K	LS	C	P	R	K	LS	C	P	R	K	LS	C	P	R	K	LS	C	P
W1	100.000	0.301	0.288	0.200	1.000	100.000	0.301	0.288	0.040	1.000	100.000	0.301	0.288	0.003	1.000	100.000	0.301	0.288	0.142	1.000

Optional Data Input:

5. Select average soil hydrologic group (SHG), SHG A = highest infiltration and SHG D = lowest infiltration

Watershed	SHG A	SHG B	SHG C	SHG D	SHG Selected	Soil N conc.%	Soil P conc.%	Soil BOD conc.%
W1					B	0.080	0.031	0.160

Best Management Practice Select an appropriate BMP except "Combined BMPs-Calculated" for each subwatershed in each land use table using the pull-down list-box if interactions between BMPs are not considered. Select "Combined BMPs-Calculated" if multiple BMPs and their interactions in the subwatersheds are considered; use BMP calculator (under STEPL menu) to obtain the combined BMP efficiencies and enter them in Table 7.

Urban BMP Tool

Gully and Streambank Erosion

1. BMPs and efficiencies for different pollutants on CROPLAND, ND=No Data

Watershe	Cropland					
	N	P	BOD	Sediment	BMPs	% Area BMP Applied
W1	0	0	0	0	0 No BMP	0

2. BMPs and efficiencies for different pollutants on PASTURELAND, ND=No Data

Watershe	Pastureland					
	N	P	BOD	Sediment	BMPs	% Area BMP Applied
W1	0	0	0	0	0 No BMP	0

3. BMPs and efficiencies for different pollutants on FOREST, ND=No Data

Watershe	Forest					
	N	P	BOD	Sediment	BMPs	% Area BMP Applied
W1	0	0	0	0	0 No BMP	0

4. BMPs and efficiencies for different pollutants on USER DEFINED land use, ND=No Data

Watershe	User Defined					
	N	P	BOD	Sediment	BMPs	% Area BMP Applied
W1	0	0	0	0	0 No BMP	0

5. BMPs and efficiencies for different pollutants on FEEDLOTS, ND=No Data

Watershe	Feedlots					
	N	P	BOD	Sediment	BMPs	%Area BMP Applied
W1	0.8	0.9	ND	ND	Waste Mgmt System	100

6. BMPs and efficiencies for different pollutants on URBAN

To change/set BMP/LID for urban land uses, click the 'Urban BMP Tool' button on the top-left of this sheet.

7. Combined watershed BMP efficiencies from the BMP calculator

Watershe	Watershed Combined BMP Efficiencies				
	N	P	BOD	Sediment	BMPs
W1-Crop	0	0	0	0	Combined BMPs
W1-Pasture	0	0	0	0	Combined BMPs
W1-Forest	0	0	0	0	Combined BMPs
W1-User	0	0	0	0	Combined BMPs

Total Load This is the summary of annual nutrient and sediment load for each subwatershed. This sheet is initially protected.

a. Nutrient load from runoff (lb/year) without BMPs

Watershe	Cropland			Pastureland			Forest			User Defined		
	N	P	BOD	N	P	BOD	N	P	BOD	N	P	BOD
W1	1104.1	206.8	2026.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total	1104.1	206.8	2026.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

b. Nutrient load reduction in runoff with BMPs (lb/year)

Watershe	Cropland			Pastureland			Forest			User Defined		
	N	P	BOD	N	P	BOD	N	P	BOD	N	P	BOD
W1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

1. Total load by subwatershed(s)

Watershed	N Load (no BMP)	P Load (no BMP)	BOD Load (no BMP)	Sediment Load (no BMP)	N Reductio n	P Reductio n	BOD Reductio n	Sediment Reductio n	N Load (with BMP)	P Load (with BMP)	BOD (with BMP)	Sediment Load (with
	lb/year	lb/year	lb/year	t/year	lb/year	lb/year	lb/year	t/year	lb/year	lb/year	lb/year	t/year
W1	2409.7	547.0	4052.3	133.7	702.3	158.0	0.0	0.0	1707.5	389.0	4052.3	133.7
Total	2409.7	547.0	4052.3	133.7	702.3	158.0	0.0	0.0	1707.5	389.0	4052.3	133.7

c. Nutrient and sediment load by land uses with BMP (lb/year)

Watershe	Urban				Cropland				Pastureland				Feedlot				User I
	N	P	BOD	Sediment	N	P	BOD	Sediment	N	P	BOD	Sediment	N	P	BOD	Sediment	N
W1	0.0	0.0	0.0	0.0	1531.9	371.5	2861.8	267395.6	0.0	0.0	0.0	0.0	175.6	17.6	1170.4	0.0	
Total	0.0	0.0	0.0	0.0	1531.9	371.5	2861.8	267395.6	0.0	0.0	0.0	0.0	175.6	17.6	1170.4	0.0	

2. Total load by land uses (with BMP)

Sources	N Load (lb/yr)	P Load (lb/yr)	BOD Load (lb/yr)	Sediment Load (t/yr)
Urban	0.00	0.00	0.00	0.00
Cropland	1531.89	371.47	2861.84	133.70
Pastureland	0.00	0.00	0.00	0.00
Forest	0.00	0.00	0.00	0.00
Feedlots	175.56	17.56	1170.43	0.00
User Defined	0.00	0.00	0.00	0.00
Septic	0.00	0.00	0.00	0.00
Gully	0.00	0.00	0.00	0.00
Streambank	0.00	0.00	0.00	0.00
Groundwate	0.00	0.00	0.00	0.00
Total	1707.45	389.02	4052.28	133.70