

Final Report

Agricultural Targeted Runoff Management & Notice of Discharge Grant Programs

Form 3400-189A (R 05/16)

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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 Non Total Maximum Daily Load (TMDL)

Project Name & Location

Project Name

Court Farms

Grant Number

TRC-WR12-44000-15C

Governmental Unit Name

Outagamie County

County

Watershed Name

12-Digit HUC

Outagamie

Wolf R. - New London and Bear

040302021401

Project Contact Name

Phone Number

E-mail Address

Quint Krueger

(920) 832-6074

quint.krueger@outagamie.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

Jed R and Kristie L Court

Animal Units

207

Nearest Receiving Waterbody

Unnamed Trib to Bear Creek

Township

22

Range

17

E / W

E

Section

18

Quarter

SE

Quarter/Quarter

SE

Latitude

44.376602

Longitude

-88.476835

Compliance Requirements - 1

Chs. NR 151 or 243 Wis. Adm. Code
Notice Type

NR 151

Notice letter
attached

☒

Compliance achieved? If no,
explain in site information

☒ Yes ☐ No

Compliance determination
letter attached

☒

☒ 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
Manure Storage Systems	1	No.	Code(s) 4	\$292,754.00	133.8	403.3	0
Waste Transfer Systems	1	No.	Code(s) 4	\$28,604.00			
Milking Center Waste Control Systems	1	No.	Code(s) 7	\$500.00			
Nutrient Management	174	Acres	Code(s) 9				

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

In order to determine Nitrogen and Phosphorus reductions a 28% phosphorus reduction 19% nitrogen reduction were assumed from implementation of waste storage facility allowing for a 590 nutrient management plan to be followed on owned and rented cropland (174.5 acres).

NMP reduction efficiency- Evans, Barry M and Kenneth J. Corradini. December 2001. BMP Pollution Reduction Guidance Document. Environmental Resources Research Institute. Pennsylvania State University.

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 J Baneck	County Conservationist	07/13/2016

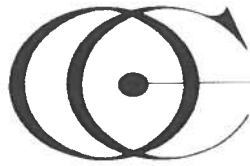
For DNR Use Only

☒ 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	08/15/2016

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.



OUTAGAMIE COUNTY
LAND CONSERVATION DEPARTMENT

3365 W. BREWSTER ST. APPLETON, WISCONSIN 54914-1602
PHONE (920) 832 5073 FAX (920) 832-4783

July 19, 2016

AG ID #: 16603
JED R COURT
N3793 HAMPLE RD
BLACK CREEK, WI 54106

Dear Mr. JED R COURT:

On 7/19/2016, Quint Krueger from the Outagamie County Land Conservation Department performed an inventory of livestock facilities on property that you own or operate described as,

040049100

CSM 6485 LOT 1 (PLATTED OUT OF PRT SE NE & PRT S1/2 SW NE & PRT N1/2 NW SE SEC18-22-17) 69.12AC M/L #1693021 & #1966644 ,

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

Jed court



Barnyard Runoff System

waste storage

Center

waste transfer

VTA

HAMPLE RD

0 100 200 Feet
1 inch = 100 feet



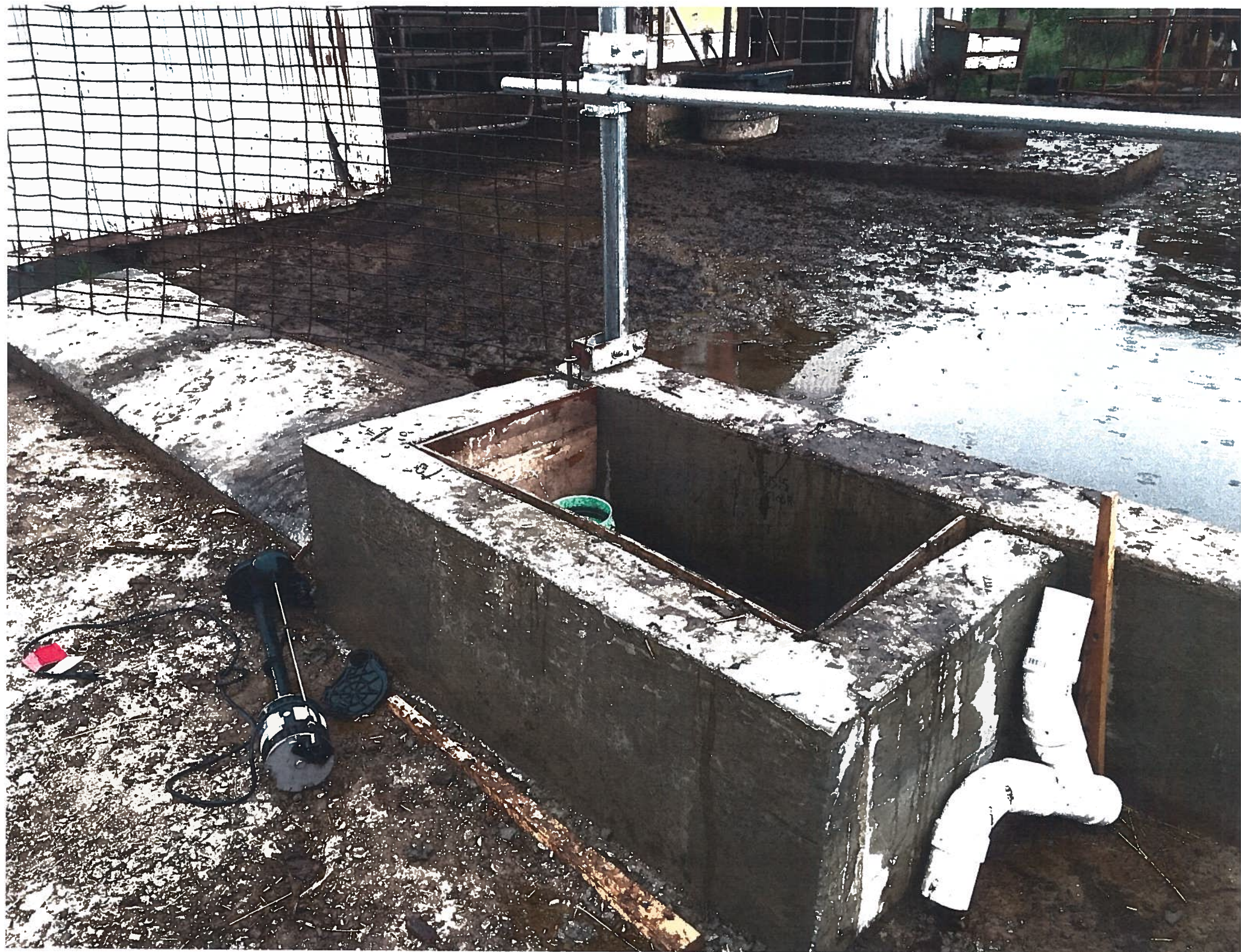


APR/ 7/2014











SEDCOURT

STEPL Input Sheet: Values in RED are required input. Change worksheets by clicking on tabs

This sheet is composed of eight input tables. The first four tables require users to change initial values.

Step 1: Select the state and county where your watersheds are located. Select a nearby weather station

Step 2: (a) Enter land use areas in acres in Table 1; (b) enter total number of agricultural animals by type

(c) enter values for septic system parameters in Table 3; and (d) if desired, modify USLE parameters

Step 3: You may stop here and proceed to the BMPs sheet. If you have more detailed information on your watershed

Step 4: (a) Specify the representative Soil Hydrologic Group (SHG) and soil nutrient concentrations in Table 5

(c) modify the nutrient concentrations (mg/L) in runoff in Table 7; and (d) specify the detailed land use

Step 5: Select BMPs in BMPs sheet. **Step 6:** View the estimates of loads and load reduction

☐ Treat all the subwatersheds as parts of a single watershed

State

Wisconsin

County

Outagamie

Weather Station

WI GREEN BAY WSO

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

Watershed	Urban	Cropland	Pastureland	Forest	User Defined	Feedlots
W1	0	174.5	0	0	0	0

2. Input agricultural animals

Watershed	Beef Cattle	Dairy Cattle	Swine (Hog)	Sheep	Horse	Chicken
W1	0	207	0	0	0	0
Total	0	207	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 People	Direct Discharge Reduction, %
W1	0	2.43	2	0	0

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

Watershed	Cropland					Pastureland
	R	K	LS	C	P	R
W1	100.000	0.301	0.288	0.200	1.000	100.000

Optional Data Input:

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

Watershed	SHG A	SHG B	SHG C	SHG D	SHG Selected	Soil N conc. %
W1	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>	B	0.080

6. Reference runoff curve number (may be modified)

6a. Detailed u

Total Load This is the summary of annual nutrient and sediment load for each subwa

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

Watershed	Cropland			Pastureland		
	N	P	BOD	N	P	BOD
W1	2122.5	477.9	3457.9	0.0	0.0	0.0
Total	2122.5	477.9	3457.9	0.0	0.0	0.0

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

Watershed	Cropland			Pastureland		
	N	P	BOD	N	P	BOD
W1	403.3	133.8	0.0	0.0	0.0	0.0
Total	403.3	133.8	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
	lb/year	lb/year	lb/year	t/year	lb/year	lb/year
W1	2599.9	661.7	4412.6	149.2	403.3	133.8
Total	2599.9	661.7	4412.6	149.2	403.3	133.8

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	2196.60	527.88	4412.60	149.17
Pastureland	0.00	0.00	0.00	0.00
Forest	0.00	0.00	0.00	0.00
Feedlots	0.00	0.00	0.00	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
Groundwater	0.00	0.00	0.00	0.00
Total	2196.60	527.88	4412.60	149.17

atershed. This sheet is initially protected.

Forest			User Defined			Total
N	P	BOD	N	P	BOD	N
0.0	0.0	0.0	0.0	0.0	0.0	2122.5
0.0	0.0	0.0	0.0	0.0	0.0	2122.5

Forest			User Defined			Total
N	P	BOD	N	P	BOD	N
0.0	0.0	0.0	0.0	0.0	0.0	403.3
0.0	0.0	0.0	0.0	0.0	0.0	403.3

BOD Reduction	Sediment Reduction	N Load (with BMP)	P Load (with BMP)	BOD (with BMP)	Sediment Load (with BMP)	%N Reduction
lb/year	t/year	lb/year	lb/year	lb/year	t/year	%
0.0	0.0	2196.6	527.9	4412.6	149.2	15.5
0.0	0.0	2196.6	527.9	4412.6	149.2	15.5

NUTRIENT MANAGEMENT PLAN CHECKLIST

V 11/9/05

For Wisconsin's NRCS 590 (September 2005) Nutrient Management Standard Requirements

County name Outagamie Date Plan Submitted 4/18/2016 Growing season year NM plan is written for 2016
 Township (T N., S) – (R E., W) Initial Plan or Updated Plan (circle one) (from harvest to harvest)

Name of qualified nutrient management planner Jeremy E Hanson, CPAg, CCA #13483, TSP #12-8105		Planner's business name, address, phone: (920) 585-1821 Fox Valley Technical College, PO Box 2277, Appleton, WI 54912	
Circle the planner's qualification: 1. NAICC-CPCC 2. ASA-CCA 3. ASA-Professional Agronomist 4. SSSA-Soil Scientist 5. DATCP approved training course 6. Other credentials approved by DATCP	Cropland Acres (owned & rented) <div style="font-size: 2em; text-align: center;">174.5</div>	Name of farmer receiving nutrient management plan: <div style="font-size: 1.5em; text-align: center;">Jed Court</div> Circle relevant program requirement or regulation the plan was developed for: Ordinance, USDA, DATCP, DNR, NR 243 – NOD or WPDES	

	Yes	No	NA
1. Are the following field features identified on maps or aerial photos in the plan?			
a. Field location, soil survey map unit(s), field boundary, and field identification number	X		
b. Areas prohibited from receiving nutrient applications: Surface water, established concentrated flow channels with perennial cover, permanent non-harvested vegetative buffer, non-farmed wetlands, sinkholes, lands where established vegetation is not removed, nonmetallic mines, and fields eroding at a rate exceeding tolerable soil loss (T)	X		
c. Areas within 50 feet of a potable drinking water well where mechanically-applied manure is prohibited	X		
d. Areas prohibited from receiving winter nutrient applications: Slopes > 9% (12% if contour-cropped); Surface Water Quality Management Area (SWQMA) defined as land within 1,000 ft of lakes and ponds or within 300 ft of perennial streams draining to these waters, unless manure is deposited through winter cleaning/pasturing of plant residue and not exceeding the N and P requirements of this standard; Additional areas identified within a conservation plan as contributing runoff to surface or groundwater	X		
e. Areas where winter applications are restricted unless effectively incorporated within 72 hours: Land contributing runoff within 200 feet upslope of direct conduits to groundwater such as a well, sinkhole, fractured bedrock at the surface, tile inlet, or nonmetallic mine	X		
f. Sites vulnerable to N leaching: Areas within 1,000 feet of a municipal well, and soils listed in Appendix I of the Conservation Planning Technical Note WI-1	X		
2. Are erosion controls implemented so the crop rotation will not exceed T on fields that receive nutrients according to the conservation plan or WI P Index model?	X		
3. Were soil samples collected and analyzed within the last 4 years according to UW Publication A2100 recommendations?	X		
4. Using the field's predominant soil series and realistic yield goals, are planned nutrient application rates, timing, and methods of all forms of N, P, and K listed in the plan and consistent with UW Publication A 2809, Soil Test Recommendations for Field, Vegetable and Fruit Crops, and the 590 standard?	X		
5. Do manure production and collection estimates correspond to the acreage needed in the plan? Are manure application rates realistic for the calibrated equipment used?	X		
6. Is a single phosphorus (P) assessment of either the P Index or soil test P management strategy uniformly applied to all fields within a tract?	X		
7. Are areas of concentrated flow, resulting in reoccurring gullies, planned to be protected with perennial vegetative cover?	X		
8. Will nutrient applications on non-frozen soil within the SWQMA comply with the following?			
a. Unincorporated liquid manure on unsaturated soils will be applied according to Table I of the 590 standard to minimize runoff	X		
b. One or more of the following practices will be used: 1) Install/maintain permanent vegetative buffers, or 2) Maintain greater than 30% crop residue or vegetative coverage on the surface after nutrient application, or 3) Incorporate nutrients leaving adequate residue to meet tolerable soil loss, or 4) Establish fall cover crops promptly following application	X		

I certify that the nutrient management plan represented by this checklist complies with Wisconsin's NRCS 590 nutrient management standard.
 Signature of qualified nutrient management planner: