

Notice: This application form template was created by the Wisconsin Department of Natural Resources. Application is hereby made to the Wisconsin Department of Natural Resources, Bureau of Watershed Management, for grant assistance consistent with s. 281.65, Wis. Stats., and Chapters NR 153 and NR 154, Wis. Adm. Code. Collection of this information is authorized under the authority of s. 281.65, Wis. Stats. Personal information collected will be used for administrative purposes and may be provided to requesters to the extent required by Wisconsin's Open Records Law [ss. 19.31 - 19.39, Wis. Stats.]. *Unless otherwise noted, all citations refer to Wisconsin Administrative Code.*

Please read the [instructions](#) prior to completion of this form. Complete all sections as applicable. Refer to the instructions for attachments.

Applicant Information

Calendar Year of Grant Start 2016

Project Name

Matt Hartwig Barnyard Runoff Control Project

Governmental Unit Applying (name and type) (e. g. Dane County Land and Water Resources Department)

Marathon County Conservation Planning & Zoning Department, Wausau, WI

Governmental Unit Web Site Address

<http://www.co.marathon.wi.us/Departments/ConservationPlanningZoning.aspx>

Name of Responsible Government Official - Authorized Signatory (First Last) Paul Daigle	Name of Government Official - Grant Contact Person (First Last)(if different) Ken Pozorski
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Title Senior CPZ Manager	Title Conservation Analyst
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Area Code + Phone Number (715) 261-6000	Area Code + Phone Number (715) 261-6004
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E-Mail Address paul.daigle@co.marathon.wi.us	E-Mail Address ken.pozorski@co.marathon.wi.us
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Mailing Address - Street or PO Box 210 River Dr	Mailing Address - Street or PO Box 210 River Dr
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City Wausau	State WI	ZIP Code 54403	City Wausau	State WI	ZIP Code 54403
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Part I. Project Information

A. Project Category: Total Maximum Daily Load (TMDL) or Non-TMDL

- 1. TMDL Project:** The project must meet all of the following criteria:
 - The project is in a geographical area covered by an EPA-approved TMDL.
 - The project addresses the most critical nonpoint pollution sources of the agricultural nonpoint pollutants identified in the TMDL document.

Provide the title of the TMDL report that this project implements. (TMDL link: <http://dnr.wi.gov/topic/tmdls/tmdlreports.html>).

Provide a link to the report, if available.

Provide the document page number(s) that identify the pollutants and sources being addressed by this project.

- 2. Non-TMDL Project:** The project must be designed to achieve attainment of the NR 151 agricultural performance standards and prohibitions.

B. Location of Project

See [Attachment A](#) and Surface Water Data Viewer (SWDV) at <http://dnrm.wi.gov/SL/?Viewer=SWDV> for assistance in completing this question.

County Marathon			State Senate District number: 29				State Assembly District number: 87	
Minor Civil Division Name (city, village, town, etc. - ex. Holland, Town of)	Township (N)	Range	E or W	Section	Quarter	Quarter- Quarter	Latitude (North, 4 to 7 decimal places)	Longitude (West, 4 to 7 decimal places)
Rietbrock, Town of	29 N	4	E	22	SE	SW	44.9738	-90.0115
	N							
	N							
	N							

Method for Determining Latitude & Longitude (check one)

- GPS
 DNR Surface Water Data Viewer
 Other (specify): _____

C. Watershed and Waterbody

See [Attachment A](#) and SWDV at <http://dnrm.wi.gov/SL/?Viewer=SWDV> for assistance in completing this question.

Watershed Name	DNR Watershed Code	Primary Waterbody Name	Nearest Waterbody Name
Black Creek & Lower Rib River	CW25 & CW23	Creek 2-14	Unnamed Stream
12-digit Hydrologic Unit Code (HUC): 070700020702			

D. Endangered and Threatened Resources, Historic Properties, and Wetlands

Check the appropriate box for each question based on what the **governmental unit knows** to occur where the project disturbs land.

1. There are endangered or threatened resources, as identified in s. 29.604, Wis. Stats., and NR 27 in the project area. (Refer to: http://dnr.wi.gov/topic/errreview/publicportal.html?utm_source=featureimage&utm_medium=homepage&utm_campaign=20140929_nhiportal for assistance.)
2. There are archaeological sites, historical structures, burial sites, or other historic places identified in s. 44.45, Wis. Stats., in the project area.
3. There are wetlands in the project area that are governed by water quality standard provisions of NR 103. (Answer with the SWDV map layer **Wetland Indicators** at <http://dnrm.wi.gov/SL/Viewer.html?Viewer=SWDV&runWorkflow=Wetland>)

E. Maps and Photographs

Yes

- An 8.5" x 11" map from USGS or the DNR data/map viewers, showing the project area, is attached.
 Aerial photo maps and project area photos are also included.

F. Filters Note: The applicant **must** be able to check "Yes" to questions 1 through 9 and, if applicable "Yes" to questions 10 and 11 below to be eligible for a grant.

Yes

1. The project will control agricultural runoff.
2. The applicant certifies that funding from this grant will **only** be used for BMPs to bring **existing** cropland, **existing** livestock facilities and non-significant expansions of livestock operations into compliance with NR 151 performance standards or prohibitions. (See definitions for existing (existing prior to effective dates of standards and prohibitions) and significant expansion in the [instructions](#) at **Part I. F & G** and **Part II. H**, respectively).
3. The applicant certifies that funding from this grant will **not** be used for best management practices to bring a livestock facility or cropland back into compliance with a performance standard or prohibition in NR 151 when such compliance had previously been achieved after the **effective date** of the standard or prohibition. (See effective dates at [instructions](#) Part I. G.)

- 4. The applicant certifies that funding from this grant will **not** be used for best management practices for which the DNR or local unit of government included a previous offer of cost sharing as part of a NR 151 notice or county notice that meets requirements of NR 151.09 or NR 151.095.
- 5. The project is consistent with the county Land & Water Resources Management Plan (LWRMP), plan amendment, or work plan prepared under s. ATCP 50.12, Wis. Adm. Code, and the approved LWRMP plan amendment, work plan or Inter-Governmental Agreement with DNR includes a qualifying strategy to implement state agricultural performance standards and prohibitions contained in subch. II of NR 151.

Identify the document name and date approved by the Land & Water Board.

Name: Marathon County Land and Water Resource Management Plan	Date 02/01/2011
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- a. To demonstrate consistency with the LWRMP, identify the goals, objectives or activities from the LWRMP, plan amendment or work plan related to the resource(s) of concern being addressed by the project.
 The Marathon County Land and Resource Management Plan identifies the need to reduce the discharge of non-point runoff and nutrients entering surface waters and groundwater as its first goal. It also identifies the need to improve nutrient management activities of livestock farms. Objectives include promotion of nutrient management education and implementation efforts. Other goals identified to reduce agricultural non-point runoff include: education of landowners about compliance with State Agricultural Performance Standards and best management practices including enforcement strategies, provide adequate program and financial incentives to implement best management practices, and promote and educate landowners about new manure management technologies.
- b. To demonstrate a qualifying NR 151 implementation strategy, identify the implementation strategy outlined in the approved LWRMP document. Provide page numbers and a web link or attach hard copy of the pages.
http://www.co.marathon.wi.us/Portals/0/Departments/CPZ/Documents/lwrm2010_final_PostedVersion.pdf
 Pages 38-41, 47, and 59-61 contains language that demonstrates NR 151 implementation strategies.

- 6. The project will be completed within 24 months of the start of the grant period.
- 7. Staff and contractors designated to work on this project have adequate training, knowledge and experience to implement the proposed project.
- 8. Staff or contractual services, in addition to those funded by this grant, will be provided if needed.
- 9. The local DNR Nonpoint Source Coordinator (see <http://dnr.wi.gov/topic/nonpoint/NPScontacts.html>) has been contacted and the project was discussed.

Name of the Local/DNR Nonpoint Source Coordinator Contacted	Date Contacted	Subject of Contact
Terry Kafka	03/02/2015	Discuss nature of project and funding options
Terry Kafka	12/19/2014	Visited the site with County staff

- 10. If this application is for a livestock facility, an Animal Units Calculation Worksheet (Form 3400-25a) for existing and future livestock numbers is attached. (Form available at: http://dnr.wi.gov/topic/AgBusiness/documents/3400025A_WT.doc).

11. If this is a joint application among local units of government, a draft of the Inter-Governmental Agreement is attached. (See [Attachment H](#))

G. Best Management Practices (BMPs) for which DNR TRM Funding is Requested.			
Check all BMPs for which DNR funding is requested and insert the Performance Standard and Prohibition codes the BMP addresses, if applicable. See instructions Part I. G. for table of standards and prohibition codes and effective dates. (Also see Attachment D for additional BMP information.) Assure a budget for each BMP is included in Part II. A.			
Structural Practice (Wis. Adm. Code)	Enter Code #s: Performance Std.(s) or Prohibition(s) the BMP Addresses	Structural Practice (Wis. Adm. Code)	Enter Code #s: Performance Std.(s) or Prohibition(s) the BMP Addresses
<input type="checkbox"/> Manure Storage Systems (NR 154.04(3)) R16	Code(s)	<input type="checkbox"/> Riparian Buffers (NR 154.04(25)) R23	Code(s)
<input type="checkbox"/> Manure Storage System Closure (NR 154.04(4)) R15	Code(s)	<input checked="" type="checkbox"/> Roofs (NR 154.04(26)) R25	Code(s) 8,12
<input checked="" type="checkbox"/> Barnyard Runoff Control Systems (NR 154.04(5)) R3	Code(s) 12,8	<input checked="" type="checkbox"/> Roof Runoff Systems (NR 154.04(27)) R24	Code(s) 8,12
<input type="checkbox"/> Access Roads & Cattle Crossings (NR 154.04(6)) R1	Code(s)	<input type="checkbox"/> Sediment Basins (NR 154.04(28)) R26	Code(s)
<input type="checkbox"/> Animal Trails and Walkways (NR 154.04(7)) R2	Code(s)	<input type="checkbox"/> Sinkhole Treatment (NR 154.04(30)) R28	Code(s)
<input checked="" type="checkbox"/> Critical Area Stabilization (NR 154.04(10)) R6	Code(s) 12	<input type="checkbox"/> Subsurface Drains (NR 154.04(33)) R30	Code(s)
<input checked="" type="checkbox"/> Diversions (NR 154.04(11)) R7	Code(s) 8	<input type="checkbox"/> Terrace Systems (NR 154.04(34)) R31	Code(s)
<input type="checkbox"/> Field Windbreaks (NR 154.04(12)) R8	Code(s)	<input checked="" type="checkbox"/> Underground Outlets (NR 154.04(35)) R32	Code(s) 8,12
<input type="checkbox"/> Filter Strips (NR 154.04(13)) R9	Code(s)	<input type="checkbox"/> Waste Transfer Systems (NR 154.04(36)) R33	Code(s)
<input type="checkbox"/> Grade Stabilization (NR 154.04(14)) R10	Code(s)	<input type="checkbox"/> Wastewater Treatment Strips (NR 154.04(37)) R34	Code(s)
<input checked="" type="checkbox"/> Heavy Use Area Protection (NR 154.04(15)) R11	Code(s) 12	<input type="checkbox"/> Water and Sediment Control Basins (NR 154.04(38)) R35	Code(s)
<input type="checkbox"/> Lake Sediment Treatment (NR 154.04(16)) R12	Code(s)	<input type="checkbox"/> Waterway Systems (NR 154.04(39)) R36	Code(s)
<input type="checkbox"/> Livestock Fencing (NR 154.04(17)) R13	Code(s)	<input type="checkbox"/> Well Decommissioning (NR 154.04(40)) R37	Code(s)
<input type="checkbox"/> Livestock Watering Facilities (NR 154.04(18)) R14	Code(s)	<input type="checkbox"/> Wetland Development or Restoration (NR 154.04(41)) R38	Code(s)

Small-Scale Ag. TRM Grant Application

Form 8700-300 (R 1/15)

Page 5 of 14

TRM Grant Project Name:

Matt Hartwig Barnyard Runoff Control Project

<i>Structural Practice (Wis. Adm. Code)</i>	<i>Enter Code #s: Performance Std.(s) or Prohibition(s) the BMP Addresses</i>	<i>Structural Practice (Wis. Adm. Code)</i>	<i>Enter Code #s: Performance Std.(s) or Prohibition(s) the BMP Addresses</i>
<input type="checkbox"/> Prescribed Grazing (NR 154.04(22)) R20	Code(s)	Streambank and Shoreline Protection (NR 154.03(31)) (includes associated fencing)	
<input type="checkbox"/> Relocate or Abandon Animal Feeding Ops. (NR 154.04(23)) R21	Code(s)	<input type="checkbox"/> Stream Crossing R39C	Code(s)
Process Wastewater Handling (NR 154.04(19) & NRCS 629)		<input type="checkbox"/> Rip-rapping R39R	Code(s)
<input type="checkbox"/> Milking Center Waste Control Systems R17	Code(s)	<input type="checkbox"/> Shaping & Seeding R39S	Code(s)
<input type="checkbox"/> Feed Storage Leachate R52	Code(s)	<input type="checkbox"/> Fencing R39F	Code(s)
<input type="checkbox"/> Other Wastewater - specify in "Other" below	Code(s)	<input type="checkbox"/> Other Protection - e.g. bio-engineering - specify in "Other" below R39O	Code(s)
<input checked="" type="checkbox"/> Other (specify)	Engineering Services		

Part II. Competitive Elements

A. FINANCIAL BUDGET TABLE

A.1. Detailed Budget for every BMP checked in Part I. G. above. The grant amount is capped at \$150,000.

A	B		
Detailed List of Project Activities and Sub-activities Eligible for DNR Cost Sharing	Amount Eligible for DNR Cost Sharing (\$)		
Construction Components:			
BARNYARD RUNOFF CONTROL SYTEMS			
Roof System	189,000		
Heavy Use Area Protection	11,700		
Roof Runoff System	6,000		
Underground Outlets	2,600		
Diversion/Excavation	1,800		
Critical Area Stabilization	400		
Private Engineering Activities	5,000		
1. Construction Subtotal	216,500		
2. Local Force Account Activities (Entry is limited to \$10,715 or .05263 of Row 1, whichever is less.)			
Cost-Sharing:			
A	B Eligible Project Totals	C Cost-Share %	D Eligible Cost-Share
3. Construction-related Subtotal: [add Rows 1 and 2]	\$ 216,500	70 %	\$ 151,550
4. Property Acquisition: Fee Title & Easement	\$	70 %	\$
5. Project Grand Totals: [add Rows 3 and 4]	\$ 216,500		\$ 151,550
Cap Test:			
6. Maximum State Share: [row 5, column D or \$150,000, whichever is less]			\$ 150,000
State and Local Share:			
7. Requested State-Share Amount (Enter Requested Grant Amount)			\$ 150,000
8. Local-Share Amount: [row 5, column B less row 7]			\$ 66,500

A.2. Use of Additional Funding

- Check this box if both of the following conditions are met.
- The requested state-share amount in row 7 is less than the \$150,000 grant cap.
 - The requested state-share amount in row 7 is below the maximum state-share in row 6. (The resulting cost-share rate is less than 70%.)

B. Method Used to Calculate Cost Estimates: Select the appropriate option. Attach design, bid, estimate documentation, as applicable.

- 1. Project costs are based on completed design and competitive bid on the project. Construction components and costs above should be detailed. Provide the supportive documentation attached to this application.
- 2. Project costs are based on completed design with materials and labor costs based on similar, recently bid projects. Construction components in C. above should be detailed. Provide the supportive documentation in this application.
- 3. Project design is not complete; however, the proposed project and costs are based on similar and recent projects and costs. Provide as much construction detail in C. above as possible. Provide the supportive documentation in this application
- 4. Project design is not complete and the cost estimate is based on an average or a range of projects and costs. Provide as much construction detail in C. above as possible. Provide the supportive documentation in this application.
- 5. Project and costs are less specific than choices above. Provide explanation of cost estimates below or attached to this application.

C. Timeline and Source of Staff

For each applicable milestone listed below, fill in the appropriate data.

Milestone	Target Completion Date (month/year)	Source of Staff
Completion of design	7/2016	County Conservation Staff and Private Engineer
Obtaining required permits	8/2016	County Conservation Staff
Landowner contacts	2/2016	County Conservation Staff
CSA signing	4/2016	County Conservation Staff
Bidding	10/2016	County Conservation Staff
DNR approvals	11/2016	County Conservation Staff
Contract signing	12/2016	County Conservation Staff and Contractor
BMP construction	5/2017	County Conservation Staff, Private Engineer & Contractor
Site inspection and certification	7/2016	County Conservation Staff and Private Engineer
Project evaluation	8/2016	County Conservation Staff
Other (specify)		
Final Reprt	12/2017	County Conservation Staff

D. Water Quality Need Category – The project must be consistent with at least one of the following seven watershed priorities. Check the **one** category (surface or groundwater) which best identifies the water quality priority which the project directly addresses. See the [instructions](#) for category definitions and scoring information.

Surface Water Considerations For assistance with this section, consult the DNR’s web pages provided below, see the [instructions](#) and see [Attachment A](#) of the instructions.

- 1. Clean Water Act section 303(d) List of Impaired Waters
 Name of Applicable Impaired Water:
Black Creek & Lower Rib River
 Pollutant Causing Impairment:
Total Phosphorous, & Non-point Source Pollution

2. Outstanding or Exceptional Resource Waters (ORW/ERW), Area of Special Natural Resource Interest (ASNRI) - To locate ASNRI using DNR's Surface Water Data Viewer go to <http://apwmad0d1600/SLViewer.html?Viewer=SWDV&runWorkflow=DesignatedWaters>.
Name of Applicable ORW/ERW or ASNRI:
-

3. Not Fully Supporting Uses or NPS Ranking of High or Medium.
 4. Surface Water Quality

Bonus Points: Federal NPS Program Watershed Project Funding Eligibility

- Check this box if the project meets all of the following criteria:
- The project addresses a nonpoint source impaired waterbody listed on the most current EPA-approved Section 303(d) list of impaired waters or a nonpoint source threatened unimpaired/high quality water.
 - The project is located upstream of and in the same 12-digit hydrologic unit (sub-watershed) as the 303(d) listed water or the unimpaired/high quality water.
(Refer to [Attachment A](#) and <http://dnrmads.wi.gov/SL/?Viewer=SWDV> for assistance.)
 - The project implements the goals and recommendations of an EPA-approved watershed-based "9 key element" plan.
 - The project controls the same NPS pollutants which are impairing the 303(d) listed waterbody or threatening the unimpaired/high quality water.

The project may be eligible for Federal NPS Program (Clean Water Act Section 319) Watershed Project Funding. (Refer to [Attachment C](#) of the application instructions for a list of eligible plans or link to map and plans at: <http://dnr.wi.gov/water/9kemp/>.)

Provide the title of the EPA-approved nine key element plan this project implements.

Groundwater Considerations For assistance with this section, consult the local DNR Drinking Water and Groundwater Specialist (<http://dnr.wi.gov/topic/drinkingwater/documents/countycontacts.pdf>) or the County Extension Office.
Attach supporting documentation.

5. Exceeds Groundwater Enforcement Standard
Pollutant Causing Impairment:
-
6. Exceeds Groundwater Preventive Action Limit
Pollutant Causing Impairment:
-
7. Groundwater Susceptible to Contamination by Agricultural Nonpoint Source Pollutants

E. Drinking Water Bonus Points:

- Yes
- Check this box if the project water quality goals identified above relate to the reduction of nonpoint source contaminants in community or non-community public drinking water supplies. This includes any of the following: Municipal water supplies governed by chs. NR 809 and 811; Other-Than-Municipal (OTM) water supplies governed by chs. 809 and 811; Non-Transient water supplies governed by chs. NR 809 and 812; Transient water supplies governed by chs. NR 809 and 812.
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1. If "Yes" **and** you checked box 5, 6, or 7 above, then mark a, b or c below and move on to question F. (You will need assistance from your local DNR Nonpoint Source Coordinator (<http://dnr.wi.gov/topic/nonpoint/NPScontacts.html>) or Water Supply Specialist (<http://dnr.wi.gov/topic/drinkingwater/documents/countycontacts.pdf>) to answer.)

- a. Check this box if the project is located: within the wellhead protection area of a municipal well, **or** within 1,200 feet of a municipal well for which a wellhead protection area is not delineated, **or** within 1,200 feet of an "Other-Than-Municipal (OTM)" water supply well, or within 1,200 feet of a non-transient water supply well
-

- b. Check this box if the project is located within 200 feet of Transient water supply well.
-

- c. Check this box if you did not select a or b.
-

2. If "Yes" **and** you checked box 1, 2, 3, or 4 for surface water considerations above, then place a check mark next to the drainage area where the project is located (see below).

- Pike River and Creek
- Root River
- Oak Creek
- Milwaukee River
- Sauk Creek
- Sheboygan and Onion Rivers
- Manitowoc River

- Twin Rivers
- Kewaunee and Ahnapee Rivers
- Menominee River
- Fish Creek
- St. Louis and Nemadji Rivers
- Lake Winnebago

F. Nature of the Water Quality Impact. Check the box if the statement applies to receiving waters that are being affected by the project site.

- 1. General water quality impacts.** The receiving waters experience general resource degradation from nonpoint pollution sources. Cause and effect relationships between the impairments and the specific site to be funded are difficult or impossible to establish. *(Note: This may be chosen if 1, 3, 4, 5 or 6 is checked in D. Water Quality Needs.)*

- 2. Site-specific degradation.** Site-specific impacts on receiving waters from the site to be funded are observable or measurable such that a cause and effect relationship is clearly evident. *(Note: This may be chosen if 1, 3, 4, 5 or 6 is checked in D. Water Quality Needs.)*

- Supporting information, such as data summaries or photos, is attached. *(Required to earn credit for statement 2.)*

- 3. Threats.** There are no nonpoint source impacts observed or measured in receiving waters but the existence of the pollution source is perceived to be a threat. *(Note: This may be chosen if 2. or 7. is checked in D. Water Quality Needs.)*

G. Project - Describe the water quality problem, the solution being proposed and the expected environmental improvements.

1. Describe the pollution problem(s) at the site and its effect on water quality (on site and off site).

What are the critical pollutants and the pollutant sources on the project site? What are all of the Performance Standards & Prohibitions (PS&Ps) and/or TMDL goals that need to be addressed on the site? How does the site impact water quality? Describe how pollutants are conveyed to waters of the state, the distance(s) between source(s) and discharge points or areas to surface or ground water, frequency, magnitude and/or duration of discharge(s), etc. What is the current, estimated pollutant load? (Recommendation: attach photos of pollution source areas, pollution conveyance to waters of the state and the affected receiving water and mention photos here.)

The critical pollutant source on this property is direct manure runoff from a feedlot. Matt Hartwig operates a 160 dairy cow operation with a parlor milking facility and an open feeding area and a partially covered bedded pack area that results in the direct runoff to waters of the state. The feeding area of the lot is exposed to the weather elements and is sloped down to a point of concentration. The previous landowner had attempted to create a short grass buffer area prior to delivery to waters of the state, but the buffer area is greatly too small and overloaded with runoff to effectively prevent the discharges from occurring during rain events and spring thaws. In addition, there is an area of the bedding pack area that is not covered by a roof which contributes to the runoff as liquids bleed off on the backside of the uncovered roofed area. This discharge is similar to silage leachate in which the vegetation behind the building is void of growth due to the overloading of nutrients and acids that kills the vegetation. This discharge also flows to the same waters of the state as the feeding area runoff.

The farm is not in compliance with the manure management prohibition NR151.08(4); Direct runoff from feedlot or stored manure into waters of the state.

The distance from the manure concentration areas on the farm to the unnamed stream is about 175 feet. Runoff is conveyed to an unnamed stream by overland concentrated flow through a over burden, partially vegetated area. Then is immediately discharged to waters of the state. Maps are included showing the flow path. An evaluation of the feed lot using BARNY estimates that the annual phosphorous load is 74.4 pounds per year. This does not include the bleeding liquids from the bedding pack area that would also contribute.

2. Describe the project.

What is this project? What pollution problem(s) described above will be addressed with this project and how? How much of the pollution problem(s) associated with this site/operation will this project address? Which of the NR 151 PS&Ps or TMDL goals identified above will this project address? Which, if any, will remain to be addressed (and why)? Will the remaining PS&Ps be addressed with other funding sources in the same timeframe as this project or will they need to be addressed in subsequent years/grants?

The project will consist of roofing the entire feeding area of the lot to create a drier environment where the animals feed and drink, and lay. Precipitation will not come in contact with the manure and will ultimately reduce the annual phosphorous runoff values to zero. The total square feet of open feed lot and the bedding pack area not covered is approximately 14,800 sq. ft. Provide a 4' high concrete wall in the open bedded pack manure area to allow for ease of manure removal. There will need to be repairs done along the bedded pack wall to prevent runoff from the existing roofed area. In addition, roof gutters installed on the roof will help direct clean water to a safe outlet, and to prevent incidental contamination with feed and manure. BARNY evaluation of the site predicts 74.4 pounds of phosphorous annually being delivered to waters of the state.

The project will correct the manure management prohibition NR151.08(4); Direct runoff from feedlot or stored manure into waters of the state.

3. Describe the expected environmental improvements.

How effective will this project be in solving the pollution problem(s) and water quality impacts described above? What is the expected percent reduction in pollutant loading or pollution potential after this project is completed? What is the compliance level with NR 151 PS&Ps that will be achieved with completion of this project and what will remain to be addressed? What is the potential for water quality improvement of the receiving water?

This project will be very effective in solving the current nutrient and phosphorus runoff that occurs at the farm feeding operation, and on the cropland operated by the landowner. The covered roof area will be managed as a compost barn and will capture the manure from the 160 dairy cow operation on the farm. Currently, the milking center waste associated with the parlor is stored in an existing manure storage facility on the farm. Based on information obtain in the Milking Center Wastewater Guideline (A companion document to the Wisconsin NRCS Standard 629), 1500 lbs of BOD, 180 lbs of N, and 44 lbs of P is captured in the storage facility. Another 161 lbs of P will be saved from non-application of manure to fields during critical periods (snow covered and frozen fields). Based on the BARNY Model, manure runoff from the cattle barnyard feedlot area contributes approximately 74.4 lbs of P to waters of the state.

The following Performance Standard and Prohibitions will be documented as being in compliance: NR151.02, NR151.03, 151.04, NR151.055, NR151.06, NR151.07, and NR151.08(4). There will be a very direct potential for water quality improvement to the Black Creek, based on the values cited above through the BMP's installed and proper operation and management.

H. Cost-Effectiveness

1. a. Explain how the proposed best management practices are a reasonable means to achieve NR 151 Performance Standards and Prohibitions (PS&Ps) or TMDL water quality goals. Include factors such as cost-effectiveness, site feasibility, available technical standards, and practicality. If applicable, include information to demonstrate that BMP(s) are sized to meet current and allowable insignificant growth needs of the operation (e.g. concrete pads for barnyards, feed storage, etc.) to achieve PS&Ps and water quality goals.

This project will reduce the manure runoff and phosphorous discharges to waters of the state. In addition, the project will allow the landowner to manage the manure as a solid and apply nutrient rich manure to agricultural fields during favorable growing conditions when nutrients can be incorporated and utilized by plants. The landowner anticipates that the covered feed and bedding areas will be managed as a compost barn and the project will prevent or eliminate manure applications on fields in winter conditions during cleanings of the existing feedlot. It is anticipated that the compost barn will be cleaned a couple of times during the year. If cleaned out during frozen months, the solid compost and manure will be headland stacked, and later properly land spread and incorporated during the growing season. Therefore, the landowner will not need to rely on manure field distributions during winter conditions. Conservation staff has discussed the future needs of possible growth of the dairy operation, and the responsibility of satisfying APS&P's and the need to maintain them with any future growth without addition future cost share. The landowner is fully aware of the compliance needs and is not anticipating any additional growth. The project does not represent any additional growth beyond what is existing today. Conformance to the County's animal waste and nutrient management ordinance and the State's Agricultural Performance and Prohibitions Standards will be attained.

The farm does have an existing manure storage facility on the property that was permitted and constructed in the early 1990's. This storage facility serves as a temporary facility to store milking center waste and holding area

manure collections. Without any other waste streams entering the facility, it has capacity to serve the farm for 5 months. The landowner grazes his milking herd approximately 8 months of the year. Therefore, the need for long-term storage is not greatly needed for this farm. However, the landowner, county staff and DATCP Engineer (Drew Zelle) has investigated and analyzed other manure storage collection options for the runoff from the site. Although the existing manure storage was constructed to previous standards, if it were to be modified or enlarged it would need to be properly abandoned and rebuilt utilizing water tight concrete. Other options looked for the collection of the runoff included a concrete structure and other approved storage structures. These options were estimated to be at least the same cost of the roofed structure, with some options costing the landowner \$160,000 more.

- b. DNR requires that new or substantially altered manure storage facilities be designed to meet the applicable NR 151 PS&Ps. Typically, a manure storage facility that is designed and maintained to provide 180 days of storage is sufficient to meet NR 151 PS&Ps. The state share should be based only on the cost to construct a facility to meet NR 151 PS&Ps. Submit the WASTE STORAGE FACILITY DESIGN - 313 STANDARD worksheet or equivalent information to support the facility size and cost information submitted in this application.

The project does not include the construction or modification of a new or existing manure storage facility. The project would address the runoff from a barnyard feeding area by covering the area with a roof and various other components.

-
2. If other alternative management measures were evaluated, list them here and describe why the alternative(s) is not being recommended.

MANURE STORAGE COLLECTION OF THE RUNOFF

Cost was determined to be just as costly and in certain options, far more costly. This alternative would also cause major disruption to the facility, require reconstruction of an existing manure storage facility, and disrupt milking center waste transfer for about a month.

I. Project Evaluation Strategy

1. Project Modeling and Measures of Change

Describe the strategy that will be implemented to evaluate the pre- and post-project pollution potential and pollutant loading data that is required for the Final Project Report. Describe the pre- and post-project evaluation modeling methods and measures that the applicant will use to measure success in achieving the NR 151 PS&Ps or TMDL project goals. See the instructions for lists of BMPs, PS&Ps, modeling and measurement methods and units of measure.

Marathon County staff utilizes a model referred to as the Manure Storage Rating Guide. The results are also compared to University studies on phosphorous discharges that have been measured on winter applied fields. The model takes into account cropping rotations, field slope, type of manure, field acreage and soil type. Preexisting and post condition reports will be run and incorporated into the final report. The staff also utilizes the BARNY model to evaluate improvements made around the farmstead and feedlots when BMP's are installed as components to the project which results in phosphorous reductions. The staff will also report the number of acres that are accounted for within the landowner nutrient management plan, and the number of agronomic acres that meet the tolerable soil loss. Because there is not presently a tool to measure pre and post conditions for resolving milking center waste discharges, the staff will work with the local DNR Water Resource Management Specialist to obtain nutrient or BOD loading reductions associated with this project. Within the final report, staff will provide the quantity of units for all BMP's installed. The performance standards and prohibitions that need to be addressed on the farm and those referenced above within the application in Part 1 (H) will be reported in the final report. A letter of compliance will include the parcel numbers and location of where and which performance standard or prohibition is met.

2. Water Quality Monitoring (not eligible for cost sharing at this time)

If, in addition to the above, the project evaluation strategy includes evaluating BMP effectiveness and/or pre- and post-project water resource monitoring, and the information will be provided to DNR, check all that apply below.

- a. A one-page summary of the project-specific BMP and/or water resource monitoring strategy is attached.

- b. The project will evaluate BMP pollution reduction effectiveness (e.g., inlet/outlet monitoring).
- c. The project will evaluate the in-stream physical habitat, fisheries, biological, or chemical conditions.
- d. The applicant is willing to participate with the Department to do monitoring in the project area should funding become available

J. Evidence of Local Support that currently exists for the proposed project - check the applicable situation below.

1. **Regulatory Situations** - The total project cost is attributed to the resolution of a Notice of Discharge (NOD) or a Notice of Intent to Issue an NOD (NOI) under NR 243 or non-compliance with agricultural performance standards and prohibitions under subch. II of NR 151 or a local regulation and *at least one* of the following is attached to this application form: (check all that apply).
- a. Signed and dated copy of the NOI or NOD issued under NR 243;
 - b. Signed and dated copy of letter signed by the authorized DNR representative stating that DNR will issue a notice under NR 151 or NR 243;
 - c. Signed and dated copy of letter from the authorized county representative that the local regulation will be enforced at the project site.

If you checked J.1., then go on to Question K. If this project is not regulatory, continue to number 2. of this question.

2. **Non-Regulatory Situations** - Check the applicable situation below.

- The governmental unit has:
 - a. Developed a detailed pollution control plan with the landowner(s)/land operator(s) that identifies specific BMPs and the affected landowner(s)/land operator(s) indicated that they will sign a cost-share agreement to install the practices requested in this grant application; **or**
 - b. Conducted general assessments of the pollution sources within the project area and affected landowner(s)/land operator(s) indicated a general interest to participate in the project; **or**
 - c. Contacted the landowner(s)/land operator(s) about the proposed BMP installations; however, landowner(s)/land operator(s) participation is undetermined.
 - d. If a. or b. is checked, letters of support for the project from affected landowner(s)/land operator are attached.

If a., b. or c. is checked above, provide details here.

An outline of a pollution control plan has been prepared by the county and landowner. Landowner is indicated he will sign a cost-share agreement. Landowner has submitted a letter of commitment which is included.

3. **Involvement of Partners** - check box if applicable.

- Partners, in addition to the unit of government (applicant) and landowner, have committed resources (materials, equipment, staff or financial resources) towards the BMP installation, maintenance or evaluation of the project.
- If checked, list the project partner(s).

- Letters from the project partner(s) indicating the resources they committed to support the project are attached. (Letters of resource support must be attached for a score here.)

K. Consistency with Other Resource Management Plans

- Check this box if the proposed project implements a water quality recommendation from a locally approved resource management plan. Examples include Smart Growth plans, Legacy Community plans, Water Star plans, local Storm Water Management plans, wellhead protection, lake management, regional water quality plans, Remedial Action plans and other watershed-based nonpoint source control plans.

(This question does not include a TMDL report or implementation plan, or a County Land and Water Resource Management Plan.)

Cite the name and date(s) of publication of the document. Attach pertinent page(s) or provide URL and page numbers. Summarize the water quality recommendation(s) and describe how it relates to the goals of this proposed project. (Required to earn credit for K.)

The Marathon County Comprehensive Plan-2006 identifies water resources within the county as a high priority for protection. The plan recommends maintaining excellent water quality as a fundamental component to the high quality of life in Marathon County.

The 1988 Marathon County Groundwater Plan serves as a resource of information about groundwater and other natural resources and recommends strategies to address issues to groundwater and surface water contamination. The

plan also identifies livestock waste, along with manure storage and land spreading activities as threats to groundwater and surface water resource of Marathon County.

Part III. Eligibility for Local Enforcement Multiplier

Completion of Part III is optional. However, an applicant can increase the final project score by qualifying for a project multiplier. Check the one enforcement authority situation which best applies to the governmental unit applying for a TRM grant combined with the proposed project.

- The applicant certifies that it has local authority to enforce all state agricultural performance standards and prohibitions at all sites within the local jurisdiction where such state agricultural performance standards and prohibitions apply. *Multiply the initial project score by a factor of 1.15.*
- The applicant certifies that it has local regulations that give local authority to enforce most, but not all, of the state agricultural performance standards and prohibitions at all sites within the local jurisdiction where such state agricultural performance standards apply; and this project addresses an enforceable performance standard or prohibition. *Multiply the initial project score by a factor of 1.10.*
- The applicant certifies that it has local regulations that give local authority to partially enforce some of the state agricultural performance standards and prohibitions at some, but not all, of the sites within the local jurisdiction; and, this project addresses an enforceable performance standard or prohibition on a site under local jurisdiction. *Multiply the initial project score by a factor of 1.05.*
- Applicant has no local authority to enforce state agricultural performance standards and prohibitions within the local jurisdiction for this proposed project. *No multiplier is earned.*

Copies of ordinances for which credit is taken in this section are: (choose at least one)


- Found at this website (provide most direct web page URL).
<http://www.co.marathon.wi.us/Departments/ConservationPlanningZoning/ConservationServices.aspx>
- Attached to this application.
- Already attached to another application for funding.

Optional Additional Information

Carefully review the answers to all of the questions above. Is there additional information that will add to the understanding of this project? If so, describe here.

Applicant Certification

A Responsible Government Official (authorized signatory) must sign and date the application form prior to submittal to the DNR. The governmental official with signatory authority must be the person authorized by the Governmental Responsibility Resolution. I certify that, to the best of my knowledge, the information contained in this application and attachments is correct and true.

Signature of Authorized Government Official 		Date Signed 4/13/15
Name (Please Print) Paul Daigle	Title Senior CPZ Manager	

- The required, completed Governmental Responsibility Resolution (signed in blue ink) (see Attachment I) is attached.

Submittal Directions

Small-Scale Ag. TRM Grant Application

Form 8700-300 (R 1/15)

Page 13 of 14

TRM Grant Project Name:

Matt Hartwig Barnyard Runoff Control Project

To be considered for funding, provide the following for each application submitted:

- One copy of the completed application form [DNR Form 8700-300 (R 1/15)] with **original signature in blue ink**, and all attachments.
- Three additional copies of the completed, signed application form and all attachments.
- One electronic copy of the completed application form in **PDF format only** plus all attachments and maps on CD.

All application materials must be postmarked by midnight **April 15 of the same calendar year**.

Send to: Department of Natural Resources
Runoff Management Section-WT/3
101 South Webster Street
Madison, WI 53703

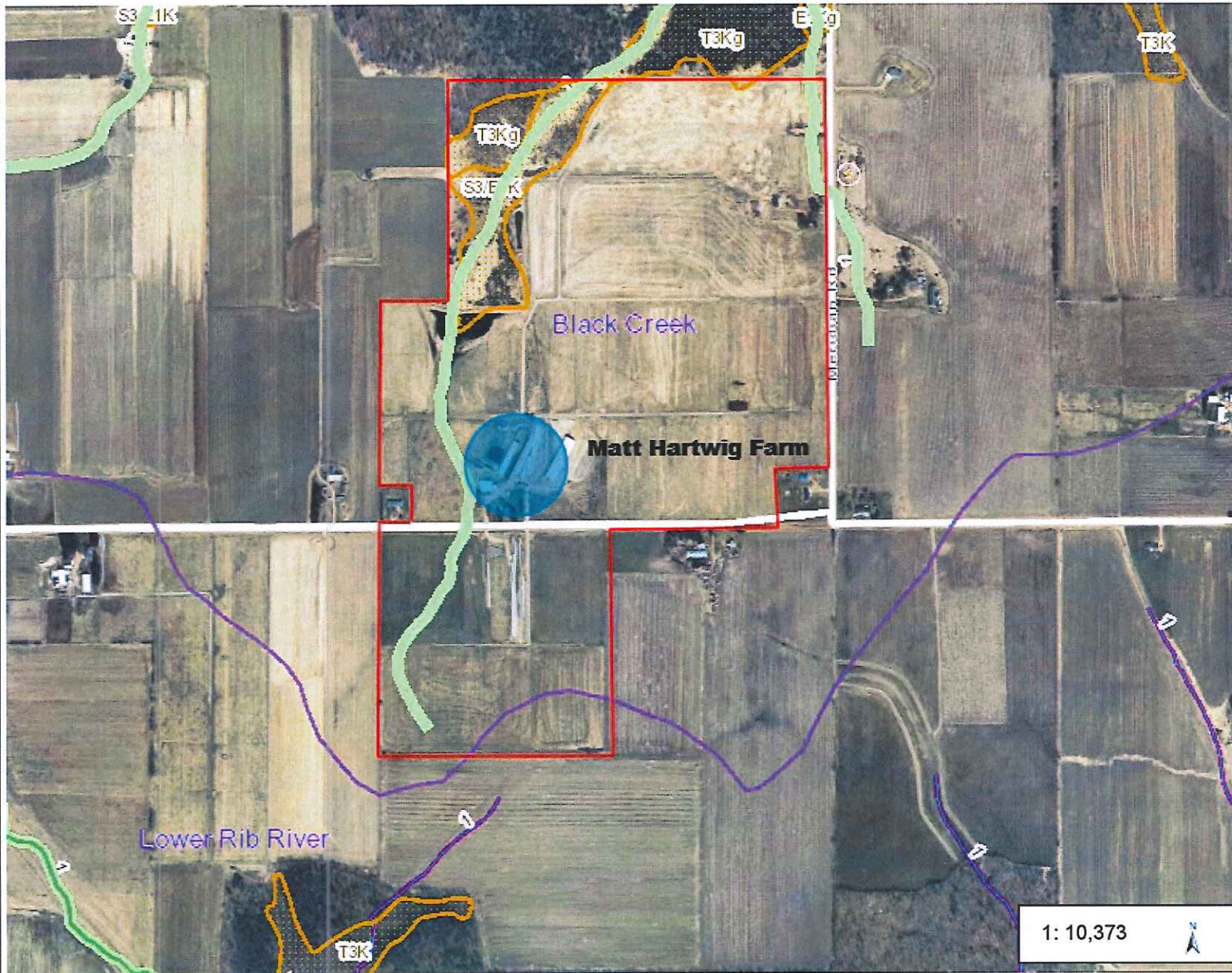
or

PO Box 7921
Madison WI 53707-7921

Please use this page to write any constructive comment(s) you might have to improve this application.
Thank you.



Surface Water Data Viewer Map



Legend

- Assessment Units Streams (W)
- Assessment Units Lakes (WAT)
- NPS Rank Lines**
 - High Stream
 - Medium Stream
 - Low Stream
 - Not Ranked
- NPS Rank Areas**
 - High Lake
 - Not Ranked
- Impaired Rivers and Streams
- Impaired Lakes
- TMDL Category Lines**
 - Other or Multiple Factors
 - Contaminated Sediment Dominated
 - Atmospheric Deposition Dominated
 - Physical or Habitat Dominated
 - Nonpoint Source Dominated
 - Point and Nonpoint Source Blend
 - Point Source
 - Proposed for 303d listing
- TMDL Category Areas**
 - Other or Multiple Factors
 - Contaminated Sediment Dominated
 - Atmospheric Deposition Dominated
 - Physical or Habitat Dominated
 - Nonpoint Source Dominated
 - Point and Nonpoint Source Blend

Notes

Matt Hartwig Barnyard Runoff Control Project

0.3 0 0.16 0.3 Miles

NAD_1983_HARN_Wisconsin_TM
© Latitude Geographics Group Ltd.

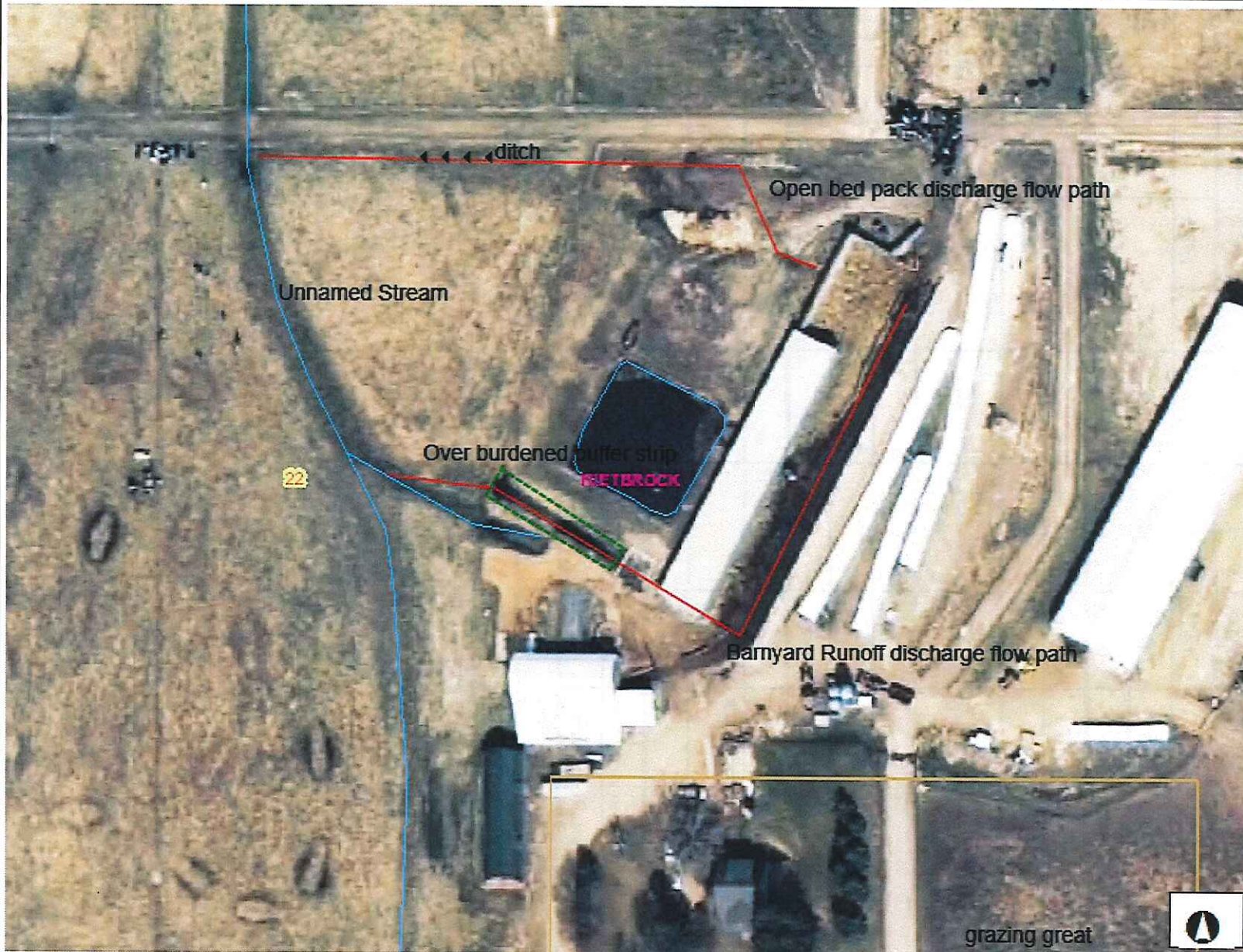
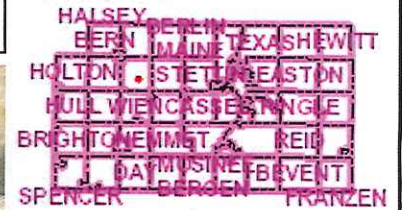
DISCLAIMER: The information shown on these maps has been obtained from various sources, and are of varying age, reliability and resolution. These maps are not intended to be used for navigation, nor are these maps an authoritative source of information about legal land ownership or public access. No warranty, expressed or implied, is made regarding accuracy, applicability for a particular use, completeness, or legality of the information depicted on this map. For more information, see the DNR Legal Notices web page: <http://dnr.wi.gov/org/legal/>

1: 10,373





Land Information Mapping System



Legend

- Parcels
- Land Hooks
- Section Lines/Numbers
- Right Of Ways
- Municipalities
- Streams-Rivers
- 2010 Orthos
- Red: Band_1
- Green: Band_2
- Blue: Band_3

53.04 0 53.04 Feet



User_Defined_Lambert_Conformal_Conic

DISCLAIMER: The information and depictions herein are for informational purposes and Marathon County-City of Wausau specifically disclaims accuracy in this reproduction and specifically admonishes and advises that if specific and precise accuracy is required, the same should be determined by procurement of certified maps, surveys, plats, Flood Insurance Studies, or other official means. Marathon County-City of Wausau will not be responsible for any damages which result from third party use of the information and depictions herein or for use which ignores this warning.

THIS MAP IS NOT TO BE USED FOR NAVIGATION

Notes

Animal Unit Calculations: Current Number of AUs on Operation

Animal Type		I. Mixed Animal Units			II. Non-mixed Animal Units		
		b. Equiv. factor	c. Current Number	d. No. of AUs	e. Equiv. factor	f. Current Number	g. No. of AUs
<i>Example - Broilers (non-liquid manure):</i>		<i>0.005 x</i>	<i>150,000</i>	<i>= 750</i>	<i>0.008 x</i>	<i>150,000</i>	<i>= 1200</i>
Dairy/Beef Calves (under 400 lbs)		0.20 x	32	= 6.4	<i>Fed. numbers in this column comply with 40 CFR s. 122.23</i>		
Dairy Cattle	Milking & Dry Cows	1.40 x	160	= 224	1.43 x		=
	Heifers (800 lbs to 1200 lbs)	1.10 x	57	= 62.7			
	Heifers (400 lbs to 800 lbs)	0.60 x	61	= 36.6	1.00 x		=
Beef	Steers or Cows (400 lbs to market)	1.00 x		=			
	Bulls (each)	1.40 x		=	1.00 x		=
Veal Calves		0.50 x		=	1.00 x		=
Swine	Pigs (up to 55 lbs)	0.10 x		=	0.10 x		=
	Pigs (55 lbs to market)	0.40 x		=			
	Sows (each)	0.40 x		=			
	Boars (each)	0.50 x		=	0.40 x		=
Chickens	Layers (each) -non-liquid manure system	0.01 x		=	0.0123 x		=
	Broilers/Pullets (each) -non-liquid manure system	0.005 x		=	0.008 x		=
	Per Bird -liquid manure system	0.033 x		=	0.0333 x		=
Ducks	Ducks (each) -liquid manure system	0.2 x		=	0.2 x		=
	Ducks (each) -non-liquid manure system	0.01 x		=	0.0333 x		=
Turkeys (each)		0.018 x		=	0.018 x		=
Sheep (each)		0.1 x		=	0.1 x		=
Horses (each)		2 x		=	2 x		=
Total Animal Units:		Total Mixed Animal Units = (add all rows above) 329.7			Total Non-Mixed Animal Units = (Enter the single highest number from any row above; DO NOT add the totals)		

Does operation need a WPDES permit? _____

Animal Unit Calculations: Projected Number of AUs on Operation

Animal Type		I. Mixed Animal Units			II. Non-mixed Animal Units		
		b. Equiv. factor	c. Current Number	d. No. of AUs	e. Equiv. factor	f. Current Number	g. No. of AUs
Example - Broilers (non-liquid manure):		0.005 x	150,000	= 750	0.008 x	150,000	= 1200
Dairy/Beef Calves (under 400 lbs)		0.20 x	32	= 6.4	<i>Fed. numbers in this column comply with 40 CFR s. 122.23</i>		
Dairy Cattle	Milking & Dry Cows	1.40 x	160	= 224	1.43 x		=
	Heifers (800 lbs to 1200 lbs)	1.10 x	57	= 62.7			
	Heifers (400 lbs to 800 lbs)	0.60 x	61	= 36.6	1.00 x		=
Beef	Steers or Cows (400 lbs to market)	1.00 x		=			
	Bulls (each)	1.40 x		=	1.00 x		=
Veal Calves		0.50 x		=	1.00 x		=
Swine	Pigs (up to 55 lbs)	0.10 x		=	0.10 x		=
	Pigs (55 lbs to market)	0.40 x		=			
	Sows (each)	0.40 x		=			
	Boars (each)	0.50 x		=	0.40 x		=
Chickens	Layers (each) -non-liquid manure system	0.01 x		=	0.0123 x		=
	Broilers/Pullets (each) -non-liquid manure system	0.005 x		=	0.008 x		=
	Per Bird -liquid manure system	0.033 x		=	0.0333 x		=
Ducks	Ducks (each) -liquid manure system	0.2 x		=	0.2 x		=
	Ducks (each) -non-liquid manure system	0.01 x		=	0.0333 x		=
Turkeys (each)		0.018 x		=	0.018 x		=
Sheep (each)		0.1 x		=	0.1 x		=
Horses (each)		2 x		=	2 x		=
Total Animal Units:		Total Mixed Animal Units = (add all rows above) 329.7			Total Non-Mixed Animal Units = (Enter the single highest number from any row above; DO NOT add the totals)		

Does operation need a WPDES permit? _____

Dates of Proposed Expansions (within the next 5 years) MM/YY 1 _____ 2 _____ 3 _____



Q

Impaired Water - Black Creek (Black Creek)

[Return to Search](#)

Location Marathon County, Wisconsin
Watersheds CW25
Waterbody ID Code 1458200 [View Water Details](#)
Stream Miles 14.65 - 19.64
Lake Acres 4.99
Water Condition Water is impaired due to one or more pollutants and associated quality impacts.

Notes A portion of the waterbody is digitized as a cold water "trout" stream (trout spatial data). This water was assessed during the 2014 listing cycle; total phosphorus sample data exceed 2014 WisCALM listing criteria for the Fish and Aquatic Life use, however, available biological data do not indicate impairment (i.e. no macroinvertebrate or fish Index of Biotic Integrity (IBI) scored in the "poor" condition category).



Reports and Documents

[Comprehensive 2014 TP IBI Rivers Assessment](#)

Water Evaluation Section
Mark Hazuga

[Black Creek \(1458200\) 2014 Draft Impaired Waters Documentation Sheet](#)

Listing Details			
Pollutant	Total Phosphorus	Listed For	Fish and Aquatic Life
Impairments	Impairment Unknown	Current Use	Coldwater - stocked, reproduction
Listing Status	Proposed for List	Attainable Use	Coldwater - stocked, reproduction
Priority	High	Designated Use	Coldwater - stocked, reproduction
303(d) ID	2014-141	Listing Date	4/1/2014
Impaired Water Notes	This water was assessed during the 2014 listing cycle; total phosphorus sample data exceed 2014 WisCALM listing criteria for the Fish and Aquatic Life use, however, available biological data do not indicate impairment (i.e. no macroinvertebrate or fish Index of Biotic Integrity (IBI) scored in the "poor" condition category).		
Date	2/3/2014		



- Feedback
- Employment
- Legal notices
- Privacy notice
- Acceptable use policy
- News
- Topics
- Hotlines
- Site requirements



Impaired Waters in Watershed (CW25)

Official Name (Click for Details)	Local Name (Click for Map)	Start Mile	End Mile	WBIC	Water Type	County	Pollutant	Impairment	303 Status	Priority
Black Creek	Black Creek	0.00	14.65	1458200	River	Marathon	Total Phosphorus	Impairment Unknown	Proposed for List	High
Black Creek	Black Creek	14.65	19.64	1458200	River	Marathon	Total Phosphorus	Impairment Unknown	Proposed for List	High
Unnamed	Creek 2-14 (T29n, R4e)	0.00	5.41	1458400	River	Marathon	Unknown Pollutant	Degraded Biological Community	Proposed for List	High



- Feedback
- Employment
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- Acceptable use policy
- News
- Topics
- Hotlines
- Site requirements

101 S. Webster Street PO Box 7921 Madison, Wisconsin 53707-7921 608.266.2621

****See Note Below**

COST ESTIMATE

DATE: 04/01/2015

ITEM	QUANT.	UNITS	U.COST	TOTAL COST	C/S%
Roof and Structure	18000	Sq. Ft.	** \$10.50	\$189,000	70%
Heavy Use Area Protection	3600	Sq. Ft.	\$3.25	\$11,700	70%
0 Roof Gutter and downspouts	650	Lin. Ft.	\$9.00	\$5,850	70%
0 Underground outlets	250	Lin. Ft.	\$10.55	\$2,638	70%
Excavation	8	Hrs.	\$110.00	\$880	70%
0	0	0.00			
Diversion	8	Hrs.	\$110.00	\$880	70%
Seed, mulch and fertilize	1	acre	\$400.00	\$400	70%
Engineering Service	1	Job	\$5,000.00	\$5,000	70%

Note:
 Unit Cost based on cost obtained for the
 Neal Manson NOD project (2013),
 lowest bidding contractor.

\$216,348	Total Cost	Owner:	<u>0.00</u>
\$151,443	Cost Shared Amt.	Des. by:	<u>0.00</u>
\$64,904	Owner Cost	Chkd by:	<u>0.00</u>

EXISTING BUFFER P OUTPUT (Based on BARNY)

Farmer: Matt Hartwig

Planner/Designer: KJP

Date: 3/11/15

	Input	Output	
Closest City of similar climate:	3		1 Madison 2 Appleton 3 Wausau 4 Eau Claire
Paved lot area:	14,800	sq ft	
Earth lot area:		sq ft	
Animal Lot size:		14,800 sq ft	
Is there a designed settling basin?	2		Yes= 1; No= 2
Animals on lot:	160 number	number	
Type of animal:	1		(Dairy = 1;Beef=2)
Ave. Animal Weight:	1,400 lbs	lbs	
Lot Use:	1		1= Heavy;2=Med;3= Light)

TRIBUTARY AREAS

Tributary area: sq ft sq ft
 Runoff Curve Number: ←
 Roof Trib. area: sq ft

See RCN tab below
for typical values

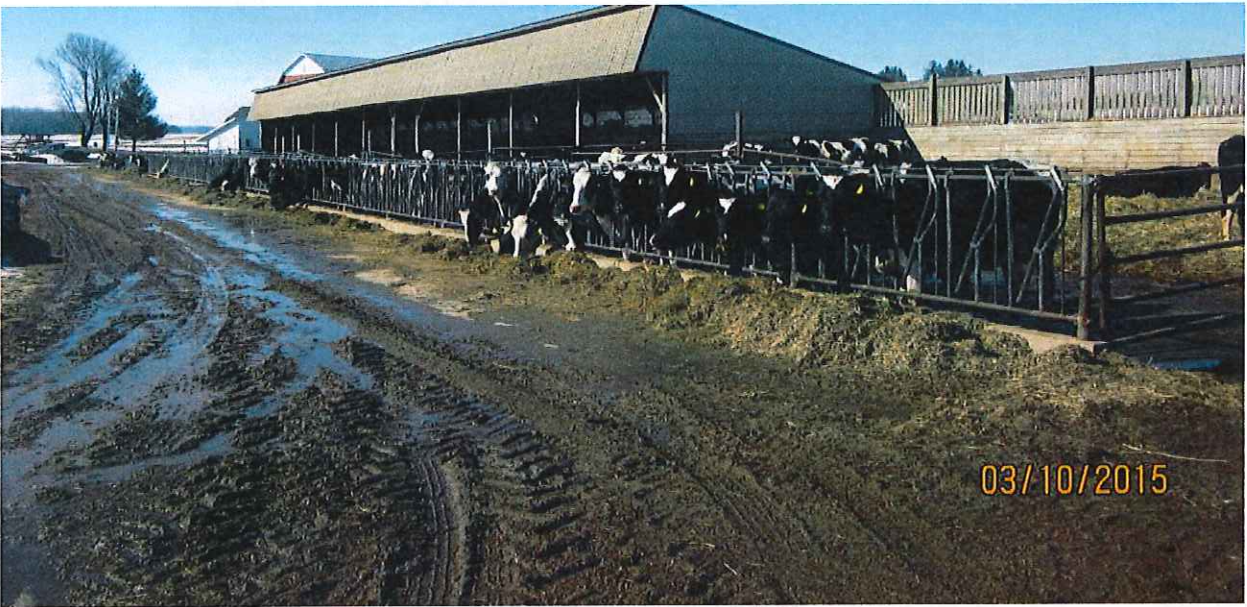
81.7 lbs P per year
at downstream lot edge

Enter Existing Buffer Data:

Length: ft
 Width: ft
 Buffer area:
 Slope: %
 c value: For c values see table below

P Output:

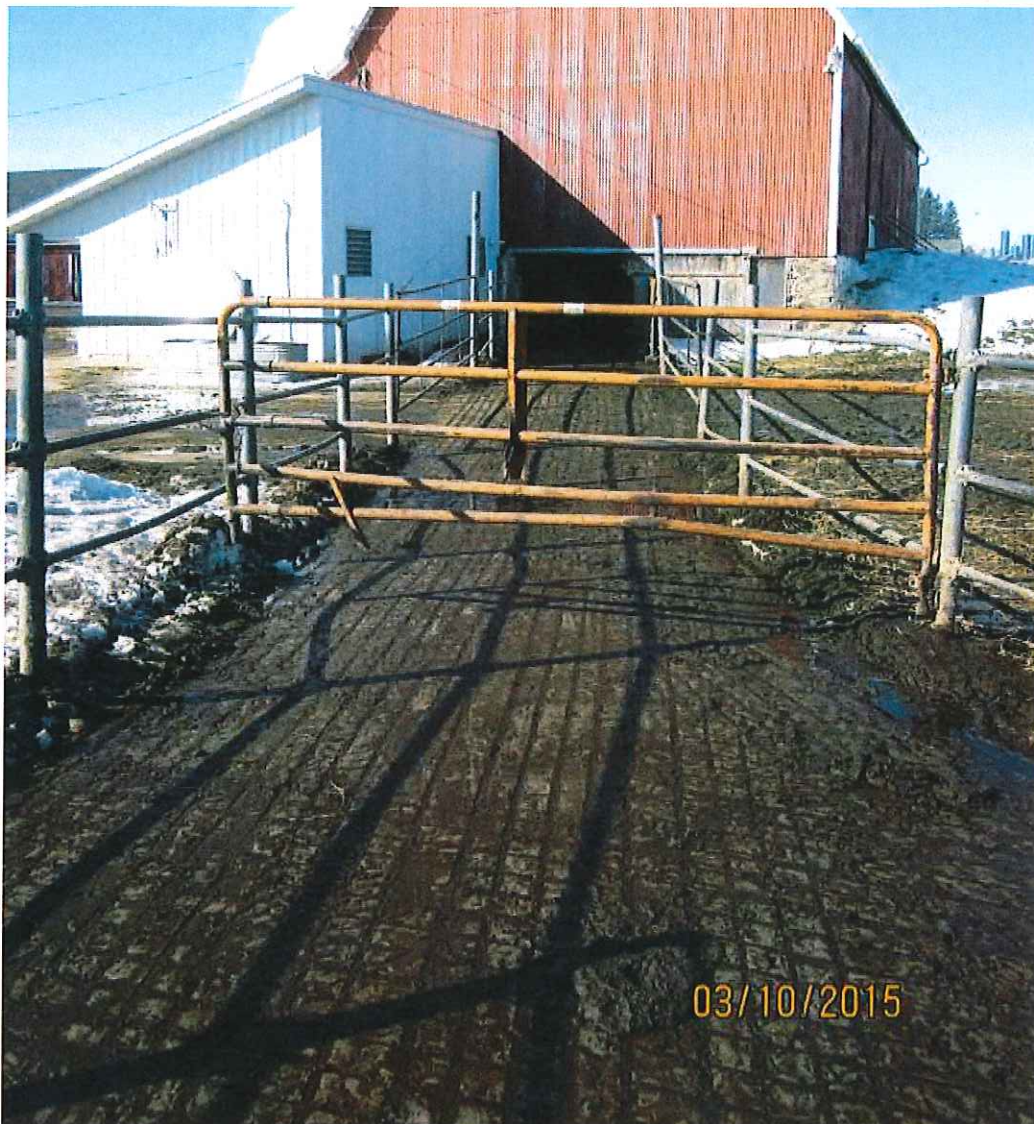
74.4 lb











Letter of Commitment:

Matt Hartwig

Over the past year, we have been involved in discussions with the Marathon County Conservation, Planning and Zoning Department and the Department of Natural Resource (DNR) staff to develop a conservation plan to address our concerns with manure management and farmstead runoff. Our dairy understands that current management and lack of adequate manure handling facilities create discharges into surface water.

This serves as a commitment to address the discharge concerns from our dairy, and cooperatively work with the Conservation Staff to secure a grant through the Targeted Resource Management Grant Program. In requesting this conservation grant from the State, we are committing to following activities and resources as a sign of local support:

- 1) The farm will cooperate with the Marathon County Conservation, Planning and Zoning Department and Wisconsin DNR in the development of construction and design plans that minimize runoff from the farmstead.
- 2) The farm will enter into a contract with Marathon County to implement the Best Management Practices (BMP's) required to correct our natural resource concerns and reach the goals established within the Marathon County Land and Water Resource Management Plan.
- 3) The farm agrees to contain cost by bidding or utilizing average cost procedures to execute the implementation of BMP's.
- 4) The farm will agree to follow a mutually developed Operation and Maintenance Plan that outlines management and service requirements of the BMP's.

Signature of Landowner: _____



Date: _____

3-13-15



MARATHON COUNTY RESOLUTION FOR RUNOFF MANAGEMENT GRANTS

WHEREAS, Marathon County is interested in acquiring a grant from the Wisconsin Department of Natural Resources for the purpose of implementing measures to control agricultural or urban stormwater runoff pollution sources (as described in the application and pursuant to ss. 281.65 or 281.66, Wis. Stats., and chs. NR 151, 153 and 155); and

WHEREAS, a cost-sharing grant is required to carry out the project:

THEREFORE, BE IT RESOLVED, that Marathon County hereby authorizes the Land and Water Program Director of the Marathon County Conservation, Planning and Zoning Department to act on behalf of Marathon County to:

- Submit and sign an application to the State of Wisconsin Department of Natural Resources for any financial aid that may be available;
- Sign a grant agreement between the local government (applicant) and the Department of Natural Resources;
- Submit reimbursement claims along with necessary supporting documentation;
- Submit signed documents; and
- Take necessary action to undertake, direct and complete the approved project.

BE IT FURTHER RESOLVED that Marathon County shall comply with all state and federal laws, regulations and permit requirements pertaining to implementation of this project and to fulfillment of the grant document provisions.

Adopted this 3rd day of March 2015

I hereby certify that the foregoing resolution was duly adopted by Land Conservation and Zoning Committee at a legal meeting on 3rd day of March 2015.

Authorized Signature:

Title: Land and Water Program Director

IMPORTANT NOTE: The DNR expects the individual authorized by this resolution to become familiar with the applicable grant program's procedures for the purpose of taking the necessary actions to undertake, direct, and complete the approved project. This includes acting as the primary contact for the project, submitting required materials for a complete grant application, carrying out the acquisition or development project (e.g., obtaining required permits, noticing, bidding, following acquisition guidelines, etc.), and closing the grant project (e.g., submitting grant reimbursement forms and documentation, and organization of project files for future monitoring of compliance with grant program.

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