State of Wisconsin
Runoff Management Section-WT/3
Department of Natural Resources
101 South Webster Street
Madison, WI 53703

or PO Box 7921
Madison WI 53707-7921

Targeted Runoff Management (TRM) Grant Program
Small-Scale Agricultural Application
Form 8700-300 (R 1/15)

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: Edmund Halama Inc. - Regulatory Animal Waste Storage Facility

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

Governmental Unit Web Site Address: www.Tremplocounty.com/landmanagement/

Name of Responsible Government Official - Authorized Signatory (First Last)	Name of Government Official - Grant Contact Person (First Last)(if different)
Kevin Lien	Carla J. Doelle
Title: Director - Department of Land Management	Title: Zoning & Agriculture Conservation Specialist
Area Code + Phone Number: (715) 538-2311	Area Code + Phone Number: (715) 538-2311
E-Mail Address: tremplcd@tremplocounty.com	E-Mail Address: cj@tremplocounty.com
Mailing Address - Street or PO Box: 36245 Main Street, P.O. Box 67	Mailing Address - Street or PO Box: 36245 Main Street, P.O. Box 67
City: Whitehall; State: WI; ZIP Code: 54773	City: Whitehall; State: WI; ZIP Code: 54773

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.

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B. Location of Project

See Attachment A and Surface Water Data Viewer (SWDV) at http://dnrmaps.wi.gov/SL/?Viewer=SWDV for assistance in completing this question.

County	State Senate District number:	State Assembly District number:
Trempealeau	31	91

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)
Burnside, Town of	22 N	9	W	2	SE	SE	44.4076	-91.4325
	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://dnrmaps.wi.gov/SL/?Viewer=SWDV for assistance in completing this question.

Watershed Name	DNR Watershed Code	Primary Waterbody Name	Nearest Waterbody Name
Elk Creek	BT03	Elk Creek	Elk Creek

12-digit Hydrologic Unit Code (HUC): 070400050304

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/erreview/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://dnrmaps.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: Trempealeau County Land and Water Resource Management Plan	Date 12/06/2011

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.

Land & Water Resource Management Plan - Chapter 3 - Revised Dec. 2011
Goal: Protect and Enhance the surface & ground water resources of Trempealeau County.
Action items:
- Reduce in-stream sedimentation to protect spawning beds and aquatic insects that provide a food source for fish, waterfowl and other wildlife, by encouraging or requiring county land users to adopt management practices and/or install the structural practices necessary to comply with State/County Agricultural and Non-Agricultural Performance Standards.
- Reduce nutrient loading to streams from manure runoff from feedlots and barnyards, fertilizer (septage, manure, chemical) runoff from cropped fields, leachate runoff from feed storage areas, and runoff from urban sources by encouraging or requiring land users to adopt management practices and/or install the structural practices necessary to comply with State/County Agricultural and Non-Agricultural Performance Standards.
- Encourage or require agricultural producers to comply with the State and County Agricultural Performance Standards.
- Encourage or require agricultural producers to properly abandon failing manure storage structures.
- Encourage or require property owners to properly abandon unused or improperly constructed wells.

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.

See Appendix I of WRMP
Category 1 - Water Quality and Category 2 - Land Resources

☒ 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
Cindy Koperski	04/07/2015	TRM Grant and DNR Water Quality Objectives

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☒ 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*
☒ Manure Storage Systems (NR 154.04(3)) R16	Code(s) 4,9,8	☐ Riparian Buffers (NR 154.04(25)) R23	Code(s)
☒ Manure Storage System Closure (NR 154.04(4)) R15	Code(s) 5	☐ Roofs (NR 154.04(26)) R25	Code(s)
☐ Barnyard Runoff Control Systems (NR 154.04(5)) R3	Code(s)	☐ Roof Runoff Systems (NR 154.04(27)) R24	Code(s)
☒ Access Roads & Cattle Crossings (NR 154.04(6)) R1	Code(s) 8	☐ Sediment Basins (NR 154.04(28)) R26	Code(s)
☐ Animal Trails and Walkways (NR 154.04(7)) R2	Code(s)	☐ Sinkhole Treatment (NR 154.04(30) R28	Code(s)
☐ Critical Area Stabilization (NR 154.04(10)) R6	Code(s)	☐ Subsurface Drains (NR 154.04(33)) R30	Code(s)
☐ Diversions (NR 154.04(11)) R7	Code(s)	☐ Terrace Systems (NR 154.04(34)) R31	Code(s)
☐ Field Windbreaks (NR 154.04(12)) R8	Code(s)	☐ Underground Outlets (NR 154.04(35)) R32	Code(s)
☐ Filter Strips (NR 154.04(13)) R9	Code(s)	☒ Waste Transfer Systems (NR 154.04(36)) R33	Code(s) 4,9
☐ Grade Stabilization (NR 154.04(14)) R10	Code(s)	☐ Wastewater Treatment Strips (NR 154.04(37)) R34	Code(s)
☐ Heavy Use Area Protection (NR 154.04(15)) R11	Code(s)	☐ Water and Sediment Control Basins (NR 154.04(38)) R35	Code(s)
☐ Lake Sediment Treatment (NR 154.04(16)) R12	Code(s)	☐ Waterway Systems (NR 154.04(39)) R36	Code(s)

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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*
☐ Livestock Fencing (NR 154.04(17)) R13	Code(s)	☐ Well Decommissioning (NR 154.04(40)) R37	Code(s)
☐ Livestock Watering Facilities (NR 154.04(18)) R14	Code(s)	☐ Wetland Development or Restoration (NR 154.04(41)) R38	Code(s)
☐ Prescribed Grazing (NR 154.04(22)) R20	Code(s)	Streambank and Shoreline Protection (NR 154.03(31)) (includes associated fencing)	
☐ Relocate or Abandon Animal Feeding Ops. (NR 154.04(23)) R21	Code(s)	☐ Stream Crossing R39C	Code(s)
Process Wastewater Handling (NR 154.04(19) & NRCS 629)		☐ Rip-rapping R39R	Code(s)
☐ Milking Center Waste Control Systems R17	Code(s)	☐ Shaping & Seeding R39S	Code(s)
☐ Feed Storage Leachate R52	Code(s)	☐ Fencing R39F	Code(s)
☐ Other Wastewater - specify in "Other" below	Code(s)	☐ Other Protection - e.g. bio-engineering - specify in "Other" below R39O	Code(s)
☐ Other (specify)			

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 **Detailed List of Project Activities and Sub-activities Eligible for DNR Cost Sharing**	B Amount Eligible for DNR Cost Sharing ($)
Construction Components:	
Concrete with re-inforcing re-bar waterstop	138,000
Excavation and Earthfill	17,500
Waste Transfer	30,000
Access Road	4,000
Seeding	2,000
Waste Storage Abandonment	10,585
Fencing	2,000
Private Engineering Activities	
1. Construction Subtotal	204,085
2. Local Force Account Activities (Entry is limited to $10,715 or .05263 of Row 1, whichever is less.)	10,200

Cost-Sharing:

A	B **Eligible Project Totals**	C **Cost-Share %**	D **Eligible Cost-Share**
3. Construction-related Subtotal: [add Rows 1 and 2]	$ 214,285	70 %	$ 150,000
4. Property Acquisition: Fee Title & Easement	$	70 %	$
5. Project Grand Totals: [add Rows 3 and 4]	$ 214,285		$ 150,000

Cap Test:

6. Maximum State Share: [row 5, column D or $150,000, whichever is less]	$ 150,000

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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]	$	64,285

A.2. Use of Additional Funding

NO

☒ 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	4/2016	Department of Land Management (DLM)
Obtaining required permits	04/2016	DLM
Landowner contacts		DLM
CSA signing	02/2016	DLM
Bidding	04/2016	DLM
DNR approvals	03/2016	DLM - DNR
Contract signing	02/2016	DLM - Contractor
BMP construction	07/2016	DLM
Site inspection and certification	07/2016	DLM
Project evaluation	12/2017	DLM
Other (specify)		

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:

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Pollutant Causing Impairment:

◉ 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/SL/Viewer.html?Viewer=SWDV&runWorkflow=DesignatedWaters.
Name of Applicable ORW/ERW or ASNRI:
Elk Creek

○ 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://dnrmaps.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.

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.)

This site consists of a 175 cow dairy farm with a 40 plus year old un-permitted waste storage structure. The structure is failing and leaking and is out of compliance with the NR151 Performance Standards and Prohibitions and the Trempealeau County Animal Waste Storage Ordinance. The main concern is phosphorus entering groundwater and the Elk Creek.

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?

Our plan is to abandon the existing failing pit and replace it with a new concrete wall pit. The farmer doesn't have a nutrient management plan or a conservation plan for his operation. This will provide the opportunity to bring him into full compliance with NR151's Performance Standards and Prohibitions. By implementing these practices, tillage setbacks and better timing of manure can be applied to fields.

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?

Reduce the phosphorus to the Elk Creek. 100% compliance on this farm is expected.

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.

The Trempealeau County Department of Land Management must, by County policy and State Law, provide the least cost alternative to landowners that will control the NPS pollution source and be a feasible practice for the landowner to maintain. If a producer decides to install a practice that is not the least cost alternative, public cost share is limited to the public cost share amount associated with the least cost alternative. Public investment associated with controlling NPS sources of pollution is limited to the costs of initial control. Once an Ag Performance Standard is complied with, compliance is tracked and must be maintained without further public investment in perpetuity. The Trempealeau County DLM has been contracting, designing and installing practices to control sources of NPS pollution for over 25 years. The practices listed in this TRM Grant application are the least cost alternative given the site limitations.

This project is designed for 175 head of dairy cows for 6 months of storage.

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.

See attached Waste Storage Facility Design - 313 Standard Worksheet.

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

No other alternative available.

I. Project Evaluation Strategy

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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.

The Barny Model and SNAPPLUS V2 will be used to show pre and post pollutant loading to the Elk Creek.

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)/land operator are attached.

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

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.)

Trempealeau County Soil Erosion Control Plan - 1984
Trempealeau County Animal Waste Management Plan - 1986
Middle Trempealeau River Priority Watershed Plan - 1992
Lake Marinuka Inland Lake Rehabilitation Plans 1980's and 1990's
Trempealeau County Department of Land Management Plan - 2007
Buffalo-Trempealeau River Basin Water Quality Management Plan - July 1991

All of these documents recognize that nutrients and sediments are NPS pollutants that keep the County's surface waters from reaching full potential. These plans articulate activities that the County shall engage in to improve/ protect the County's surface water resources by identifying sources of these pollutants and providing the technical and financial resources necessary to control them.

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).
www.tremplocounty.com/landmanagement/zoning/RevisedOrdinance/Chapter_15.pdf

☒ 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.

Trempealeau County requires full compliance with the Agricultural Performance Standards and Prohibitions contained within Subchapter II of NR151 through the County's Livestock Facilities Performance Standards Ordinance and Animal Waste Management Ordinance.

TRM Grant Project Name:
Edmund Halama Inc. - Regulatory Animal Waste Storage Fa

The Department of Natural Resources and Trempealeau County agree that agricultural producers are required to comply with all Agricultural Performance Standards and Prohibitions contained within Subchapter II of NR151. However, this requirement, for "existing" facilities, is contingent upon offers of sufficient cost share.

Counties are required to detail an NR151 implementation strategy in their County Land and Water Resource Management Plans. This strategy is required to include a definition of "Priority Farms" to identify upon which farms the county intends to focus its implementation efforts. The County Land and Water Resource Management Plan identifies "Priority Farms" as those farms that are required to comply with all Agricultural Performance Standards and Prohibitions as a condition of being a permitted agricultural facility (refer to page 30 of the County Land and Water Resource Management Plan).

Trempealeau County, through its Department of Land Management Plan and Land and Water Resource Management Plan, has detailed an implementation strategy that focuses on utilizing the County's regulatory authority to require full compliance with all NR151 Agricultural Performance Standards and Prohibitions contained within Subchapter II of NR151 on those agricultural facilities that are "new" and upon "existing" facilities that are "expanding".

The Trempealeau County Livestock Facilities Performance Standards Ordinance requires that all "new" or the "expansion" of "existing" facilities comply with all Agricultural Performance Standards and Prohibitions contained within Subchapter II of NR151 (refer to 15.03(1), 15.04(1)(c), 15.04(2)(r), 15.06(1)(a-g), 15.07(1)(a-e) and 15.11 of the Trempealeau County Livestock Facilities Performance Standards Ordinance). The Livestock Facilities Permit Checklist requires that permit applicants verify their current compliance status with all of the Agricultural Performance Standards and Prohibitions contained within Subchapte II of NR151.

Trempealeau County requires that all agricultural producers seeking financial or technical assistance from the Land Management Department cooperate in an onsite full farm evaluation to determine current compliance with all Agricultural Performance Standards and Prohibitions on all parcels owned and operated by the producer. The onsite full farm compliance evaluations determine current compliance with all Agricultural Performance Standards and Prohibitions.

Trempealeau County approved, signed, and forwarded to DNR an inter-Governmental Agreement (IGA) that clarifies the roles and responsibilities of the County and DNR in the implementation of NR151. This IGA has been reviewed by DNR and was signed in June 2007.

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
Kevin Lien	4-14-15
Name (*Please Print*)	Title
Kevin Lien	Director - Department of Land Management

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

Submittal Directions

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 **PDFormat 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.

<Title>

Interstate
US Hwy
State Rd
County Rd
Town Rd
City St
Railroads
Parcels
City
Town
Stream/River
Lake/Pond

Scale 1:1200

Division of Land Management

Trempealeau County Land Conservation Dept.
Courthouse, P.O. Box 67
Whitehall, WI 54773

Phone: (715) 538-2311 ext 260
Email: tremplcd@tremplocounty.com
Web Page: www.tremplocounty.com/landmanagement

April 1, 2015

To Whom It May Concern:

This correspondence is intended to officially inform DNR staff reviewing the TRM grant application that if approved for funding, I fully agree to install the practices included within the TRM Grant Application that help achieve compliance with the State Agricultural Performance Standards.

Further, I am aware that upon completion of the practices included in the TRM Grant, I shall be in full compliance with all State Agricultural Performance Standards upon parcels under my ownership.

Sincerely,

J + N Halama Jim

Department of Land Management

Trempealeau County Land Management Dept.
Courthouse, P.O. Box 67
Whitehall, WI 54773

Phone: (715) 538-2311 ext 273
Email: cj@tremplocounty.com
Web Page: www.tremplocounty.com/landmanagement

March 3, 2014

Dear Mr. Halama:

This correspondence is intended to officially inform you that you will be required to bring your failing and leaking animal waste storage structure into compliance in accordance with Trempealeau County's Animal Waste Storage Ordinance. Also, the existing failing and leaking animal waste storage structure will need to be abandoned in accordance with the NRCS 360 Practice Standard and Specification.

Failure to comply with the above will result in a Notice of Discharge issued by the Department of Natural Resources.

Please feel free to contact me with any questions you have.

Sincerely,

Carla J. Doelle

Carla J. Doelle
Zoning and Agricultural Environmental Specialist
Trempealeau County
Department of Land Management

GOVERNMENTAL RESPONSIBILITY RESOLUTION

Whereas, the Trempealeau County Department of Land Management desires to receive grant funding from the Wisconsin Department of Natural Resources (WDNR) pursuant to ss.281.65 or 281.66, Wis. Stats., and chs. NR151, 153, and 155, Wis. Adm. Code, for the purpose of implementing measures to control nonpoint source water pollution; and

Whereas, the Trempealeau County Department of Land Management does not contribute the local share, and

Whereas, the applicants have made the commitment to contribute the required local share needed for projects that are grant funded by the WDNR; and

NOW, THERFORE BE IT RESOLVED, that the Department of Land Management authorizes the Department of Land Management Director or Environmental & Land Use Committee Chairman to submit a signed grant application to the WDNR; and

The Department of Land Management authorizes the Zoning & Agriculture Conservation Specialist to submit a signed Environmental Hazard Assessment form to the WDNR, if applicable; and

The Department of Land Management authorizes the Department of Land Management Director or Environmental & Land Use Committee Chairman to sign a grant agreement between the Department of Land Management and the WDNR; and

The Department of Land Management authorizes the Zoning & Agriculture Conservation Specialist to submit signed quarterly and final report forms to the WDNR; and

The Department of Land Management authorizes the Fiscal Manager to submit signed grant reimbursement requests to the WDNR.

Adopted this 11th day of March, 2015.

Signature of Person Certifying: Greg Brunkhorst

Title of Person Certifying: Chair Environment + Land Use

Date Certified: March 11, 2015

State of Wisconsin
Department of Natural Resources
PO Box 7185, Madison, WI 53707-7185
dnr.wi.gov

Animal Unit Calculation Worksheet
Form 3400-025A (R 3/2012)

The Current Animal Unit Calculation Worksheet must be filled out separately for the "main" site and each site which are owned or operated by your farm for the purposes of housing animals associated with your operation. The site name, for which you are filling this worksheet out, must be provided below and correlate with Form 3400-025 Site Information (Section II).

Current Animal Unit Calculation Numbers

Name of Site: Edmund Halama Inc. Regulatory Animal Waste Storage

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		=	*Fed.numbers in this column comply with 40 CFR s. 122.23*		
Dairy Cattle	Milking & Dry Cows	1.40 x	175	= 245	1.43 x	175	= 250.25
Dairy Cattle	Heifers (800 lbs to 1200 lbs)	1.10 x		=			
Dairy Cattle	Heifers (400 lbs to 800 lbs)	0.60 x		=	1.00 x		=
Beef	Steers or Cows (400 lbs to market)	1.00 x		=			
Beef	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		=
Swine	Pigs (55 lbs to market)	0.40 x		=			
Swine	Sows (each)	0.40 x		=			
Swine	Boars (each)	0.50 x		=	0.40 x		=
Chickens	Layers (each) -non-liquid manure system	0.01 x		=	0.0123 x		=
Chickens	Broilers/Pullets (each) -non-liquid manure system	0.005 x		=	0.008 x		=
Chickens	Per Bird -liquid manure system	0.033 x		=	0.0333 x		=
Ducks	Ducks (each) -liquid manure system	0.2 x		=	0.2 x		=
Ducks	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 = 245** (add all rows above)			**Total Non-Mixed Animal Units = 250.25** (Enter the single highest number from any row above; DO NOT add the totals)		

☐ Check here if there are no proposed increases in animal numbers at this site within the next five years.

State of Wisconsin
Department of Natural Resources
PO Box 7185, Madison, WI 53707-7185
dnr.wi.gov

Animal Unit Calculation Worksheet
Form 3400-025A (R 3/2012)

The Projected Animal Unit Calculation Worksheet must be filled out separately for the "main" site and each site which are owned or operated by your farm for the purposes of housing animals associated with your operation. The site name, for which you are filling this worksheet out, must be provided below and correlate with Form 3400-025 Site Information (Section II).

Projected Animal Unit Calculation Numbers

Name of Site: Edmund Halama Inc. Regulatory Animal Waste Storage

Animal Type		I. Mixed Animal Units			II. Non-mixed Animal Units		
		b. Equiv. factor	c. Projected Number	d. No. of AUs	e. Equiv. factor	f. Projected 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		=	*Fed.numbers in this column comply with 40 CFR s. 122.23*		
Dairy Cattle	Milking & Dry Cows	1.40 x	175	= 245	1.43 x	175	= 250.25
	Heifers (800 lbs to 1200 lbs)	1.10 x		=			
	Heifers (400 lbs to 800 lbs)	0.60 x		=	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 = 245
(add all rows above)

Total Non-Mixed Animal Units = 250.25
(Enter the single highest number from any row above; DO NOT add the totals)

Date of Proposed Expansion (MM/YY):

WASTE STORAGE FACILITY DESIGN - 313 STANDARD

CLIENT: Halama | COUNTY: TREMPEALEAU | DATE: 3/6/14

DSN BY: | CHK BY: | DATE:

COMMENTS:

ANIMAL TYPE> 1 (1=DAIRY, 2=BEEF, 3=VEAL, 4=SWINE(finishing), 5=SWINE(farrowing), 6=POULTRY, 0=OTHER)

For Dairy: Rolling Herd Average 23,000 lbs/cow/yr | Is it a stanchion barn? n (Y or N)

MANURE AND WASTEWATER

LIVESTOCK KIND	LIVESTOCK NUMBER	AVG. WT. PER HEAD	DAILY OUTPUT, CU FT MANURE	DAILY OUTPUT, CU FT BEDDING	TOTAL	DAYS OF STORAGE	VOLUME REQUIRED	ANIMAL UNITS
Cows	175	1,400	2.42	0.3	475.7	270	128,426	245
Heifers		700						
Calves		350						

WASTEWATER: 1393 GAL/DAY 186.2 CU FT/DAY 245 TOT. A.U.

TOTAL DAILY VOLUME: 661.8 CU FT / DAY

	1,336,616	GALLONS
Total Manure and Wastewater	**178,692**	**CU FT**
Expected % solids in waste (Includes runoff and precip.)	7.8	%

RUNOFF VOLUME

MONTHLY RUNOFF

RCN 95 — 18.1 / 12 IN. X 0 Ft2 Drainage Area = 0 CU FT (Do not include storage area)

25-Year, 24-HOUR RUNOFF

RCN 95 — 4.22 / 12 IN. X 0 Ft2 Drainage Area = 0 CU FT (Do not include storage area)

	1,336,616	GALLONS
Total for Manure, Milking Center, Runoff Volume, and 25 Yr Runoff	**178,692**	**CU FT**

PRECIPITATION

Does the facility collect precipitation? (No roof or lid) 1 (1 for yes, 2 for no)

Beginning Month for Precip. Collection 11 (1=Jan, 2=Feb, etc.)

Precipitation minus evaporation

Average Precipitation on Storage Surface	21.7 INCH	1.8 FT
Average Evaporation from Storage Surface	- 15.7 INCH	1.3 FT
Net Precipitation on Storage Surface	6.0 INCH	0.5 FT
25-Yr, 24-Hr Precip on Storage Surface	4.8 INCH	0.4 FT

REMAINING WASTE (If no sump, use these minimums: ponds -2', tanks-1') 0.0 FT

EXTRA DEPTH FOR SAFETY (1-ft. Minimum) 1.0 FT

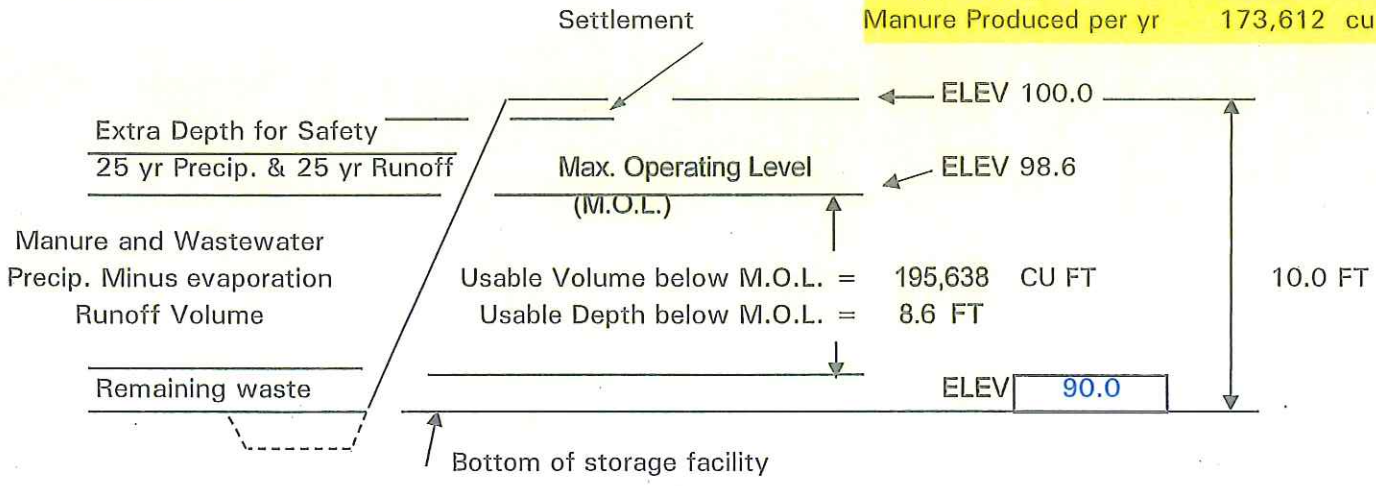
SETTLEMENT (5% of Embankment Height) 0.0 FT

M.O.L. DEPTH (Depth to hold Manure, Wastewater, Runoff, and Precip.) 8.60 FT

Total Depth of the Storage Facility 10.0 FT

STORAGE FACILITY ELEVATIONS

Design Storage Volume	209,287	cu ft
Manure Produced per yr	173,612	cu ft



STORAGE SIZING			
IS STORAGE RECTANGULAR OR ROUND ?	1	(1 = Rectangular; 2 = Round)	
SIDE SLOPES OF STORAGE	3.0 :1	(Use "0" for walls)	
CHOOSE A BOTTOM WIDTH	100 FT		
BOTTOM LENGTH REQUIRED		153	FT
ROUND STORAGE BOTTOM DIAMETER REQUIRED		N.A.	FT

STORAGE SIZING SUMMARY

RECTANGULAR	BOTTOM SIDE 1:	100	FT		
	BOTTOM SIDE 2:	153	FT		
	M.O.L. VOLUME PROVIDED:	195,638	CU FT	1,463,373	GALLONS
	DAYS STORAGE PROVIDED:	270	DAYS		
	TOTAL VOLUME FROM BOTTOM TO SETTLED TOP:	241,251	CU FT	1,804,554	GALLONS
ROUND	CHOOSE BOTTOM:	N.A.	FT DIAM		
	M.O.L. VOLUME PROVIDED:	5,993	CU FT	44,829	GALLONS
	DAYS STORAGE PROVIDED:	8	DAYS		
	TOTAL VOLUME FROM BOTTOM TO SETTLED TOP:	9,425	CU FT	70,498	GALLONS

EMBANKMENT DIMENSIONS

STA.	ELEV.	OUT Z	TOP W.
		3	10

STA.	ELEV.	OUT Z	TOP W.

1 = RECT, 2 = CIRC: 2

AVG.GRADE FOR CUT: 95.0

BOTTOM ELEVATION: 90.0

BOTTOM DIAM. N.A. FT (From G86)

INSIDE SLOPE: 3.0 :1 (From G70)

TOP ELEVATION: **100.0**

EXCAVATION

(finished grades and lines)

AVERAGE STRIPPING DEPTH	12	INCHES
STRIPPING IN POND	21	CU YD
POND EXC. BELOW STRIPPING	22	CU YD
STRIPPING UNDER DIKE	0	CU YD
SUMP EXCAVATION	0	CU YD

SUMP

BOTTOM LENGTH		FT
BOTTOM WIDTH		FT
SUMP DEPTH		FT
AVERAGE SIDE SLOPE		:1

TOTAL STRIPPING 21 **CU YD**

TOTAL EXC. BELOW STRIPPING 22 **CU YD**

FILL FILL LOSS FACTOR 30 %

DIKE FILL 0 **CU YD**

EXTRA FILL: 22 CU YD (Based on total excavation and dike fill including loss factor)

Elk Creek, Elk Creek Watershed (BT03)
Elk Creek (1782500)

Return to Search Go to Watershed

Size	21.51 Miles
Segment	0 - 21.51
Natural Community	Not Determined
Year Last Monitored	2012
General Condition	Poor
	This river is impaired
Impairments include	Water Quality Use Restrictions
Pollutants include	Total Phosphorus

Overview | Conditions | Goals | Monitoring & Projects | Ecosystem Challenges | Fish & Habitat | Photo Gallery | Map Gallery

Overview

Elk Creek is a 22-mile tributary of the Trempealeau River and is designated as a Class III trout stream for its entire length. Land use in the Elk Creek Watershed is dominated by agriculture and, in 1979, it was one of five watersheds initially selected under the Nonpoint Source Abatement Program. The project was successful in reducing bacteria levels and organic pollution in some streams but trout habitat and populations did not significantly improve immediately following the completion of the project (Source: 2002 WQM Plan).

Date 2010

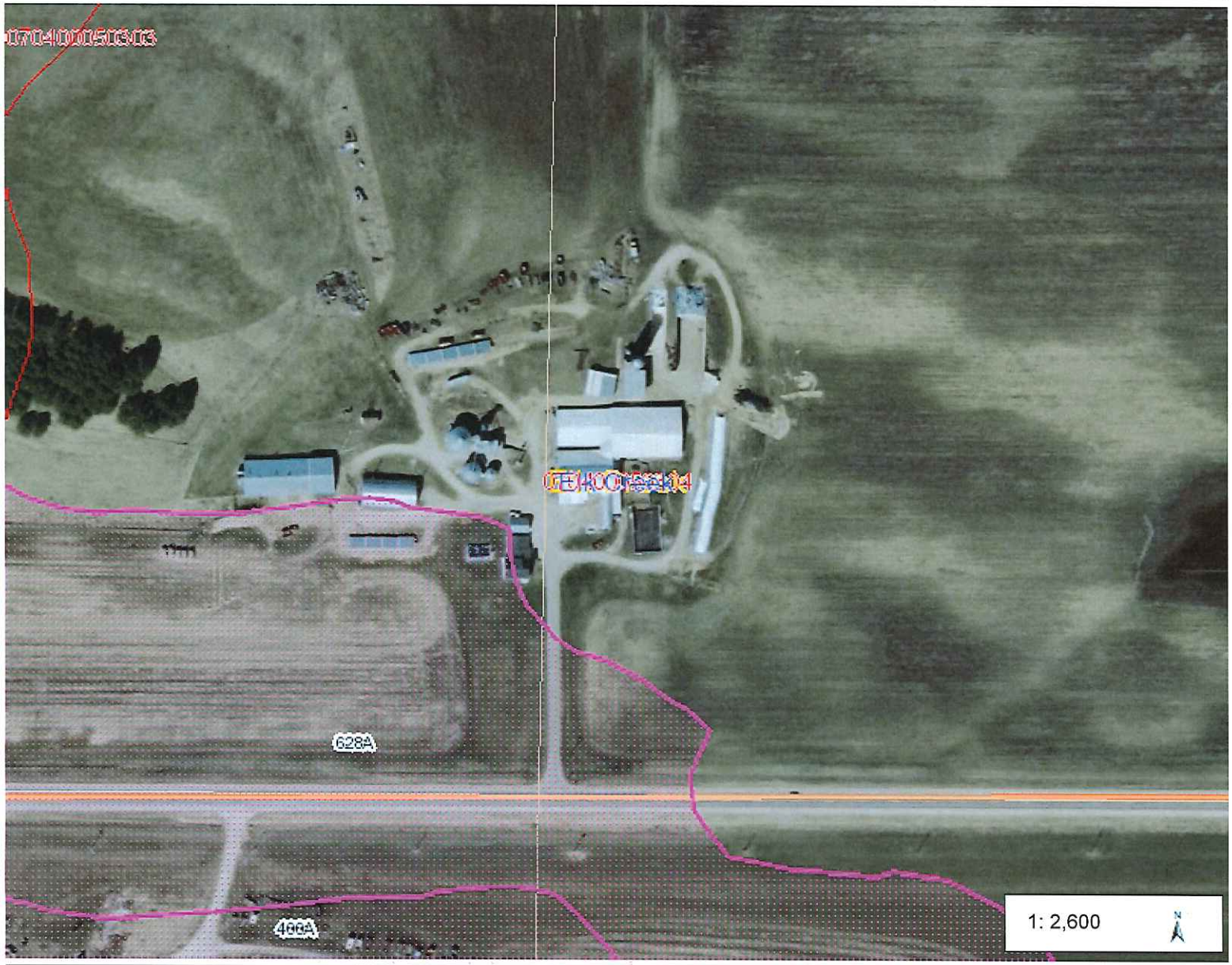
Author Daniel Helsel

Counties	Trempealeau
Trout Water	Yes
Outstanding or Exceptional	No
Impaired Water	Yes

Fish and Aquatic Life

Current Use	Class III Trout
Attainable Use	Class III Trout
Designated Use	Cold

Surface Water Data Viewer Map



Legend

NPS Rank Lines
- High Stream
- Medium Stream
- Low Stream
- Not Ranked

NPS Rank Areas
- High Lake
- Not Ranked

Impaired Rivers and Streams

Impaired Lakes

Outstanding and Exceptional S
- Exceptional
- Outstanding

Locational Information (line)
- COMPLETE
- CONFLICT

Outstanding and Exceptional L
- Exceptional
- Outstanding

Locational Information (area)
- COMPLETE
- CONFLICT

Wetland Class Points
- Dammed pond
- Excavated pond
- Filled excavated pond
- Filled/drained wetland

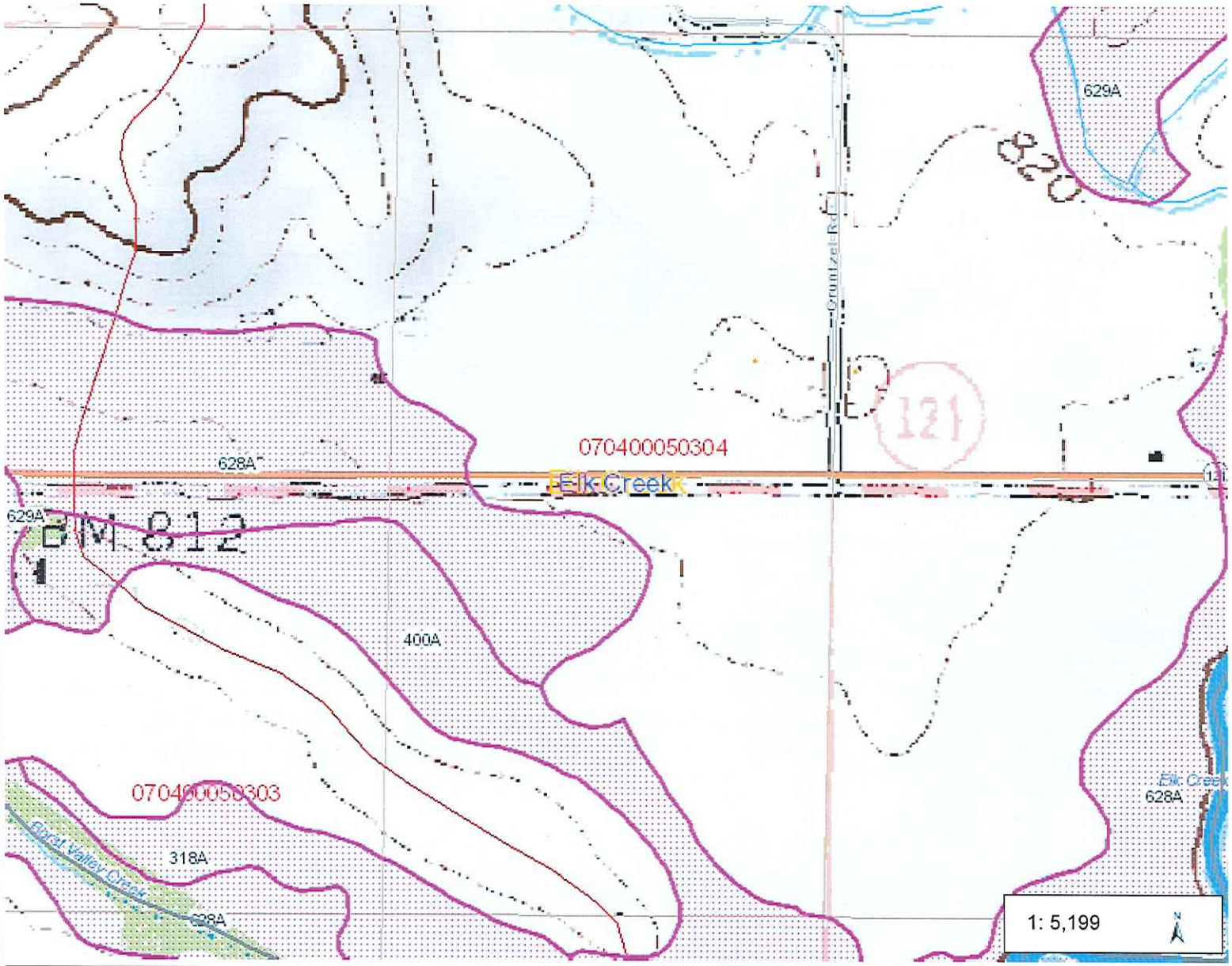
Notes

Edmund Halama, Inc.

0.1 0 0.04 0.1 Miles

NAD_1983_HARN_Wisconsin_TM

Surface Water Data Viewer Map



Legend

NPS Rank Lines
- High Stream
- Medium Stream
- Low Stream
- Not Ranked

NPS Rank Areas
- High Lake
- Not Ranked

Impaired Rivers and Streams

Impaired Lakes

Outstanding and Exceptional S
- Exceptional
- Outstanding

Locational Information (line)
- COMPLETE
- CONFLICT

Outstanding and Exceptional L
- Exceptional
- Outstanding

Locational Information (area)
- COMPLETE
- CONFLICT

Wetland Class Points
- Dammed pond
- Excavated pond
- Filled excavated pond
- Filled/drained wetland
- Wetland too small to delineate

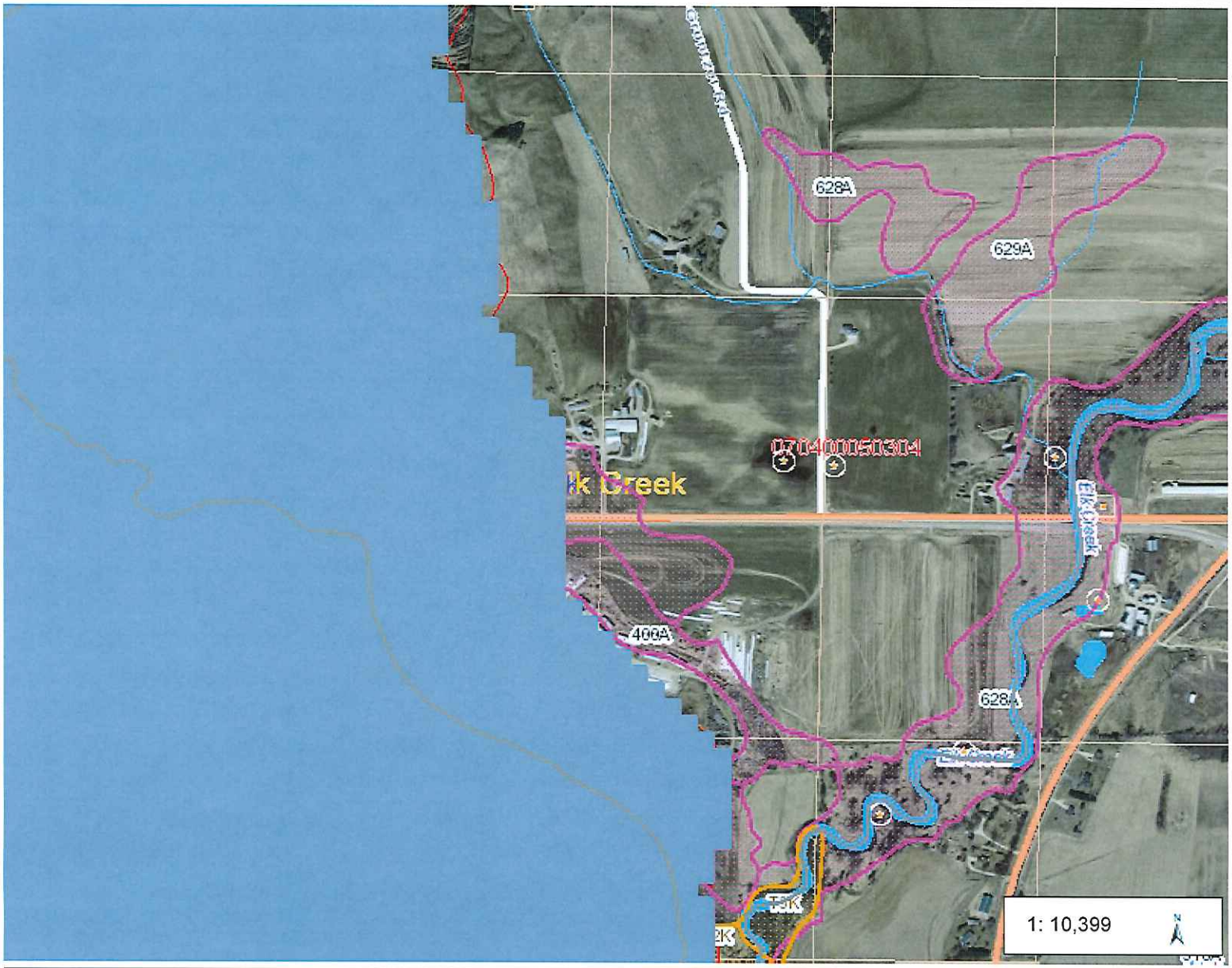
Notes

Edmund Halama, Inc.

0.2 0 0.08 0.2 Miles

NAD_1983_HARN_Wisconsin_TM

Surface Water Data Viewer Map



Legend

NPS Rank Lines
- High Stream
- Medium Stream
- Low Stream
- Not Ranked

NPS Rank Areas
- High Lake
- Not Ranked

Impaired Rivers and Streams

Impaired Lakes

Outstanding and Exceptional S
- Exceptional
- Outstanding

Locational Information (line)
- COMPLETE
- CONFLICT

Outstanding and Exceptional L
- Exceptional
- Outstanding

Locational Information (area)
- COMPLETE
- CONFLICT

Wisconsin Buffer Initiative Wat
- Rank 1 - 10
- Rank 11 - 30
- Rank 31 - 100
- Rank 101 - 200

Notes

Edmund Halama, Inc.

0.3 0 0.16 0.3 Miles

NAD_1983_HARN_Wisconsin_TM

Trempealeau County
On Site NR 151 Inventory of Agricultural Nonpoint Source Pollution Control Standards

Landowner: James Halama - Edmund Halama Inc.

Address: W24252 State Rd. 121
Independence, WI 54747

Location: T22N - R9W Section 2 SE 1/4 of the SE 1/4

Erosion Control:

NR151.02 Sheet, rill and wind erosion In Compliance/ Not In Compliance

Cropland shall be cropped to tolerable soil loss.

Identify if there is a conservation plan developed by a cropland erosion prediction model. Yes / No / NA / (Unsure)

Are grassed waterways required by RUSLE2 installed? Yes / No / NA / (Unsure)

Is the conservation plan an HEL or full resource management plan? _____

Does the conservation plan meet the "Tolerable" soil loss? Yes / No / NA / (Unsure)

Comments: _____

Tillage Setback:

NR151.03 Tillage Setbacks In Compliance/ Not In Compliance

Tillage operations shall be limited to prevent destroying stream banks and depositing soil directly into surface waters.

Does tillage negatively impact the banks or deposit soil directly into surface waters? Yes / No / NA / (Unsure)

Are tillage operations conducted within the 5 ft to 20 ft setback? Yes / No / NA / (Unsure)

Is there adequate sod or self-sustaining vegetative cover that provides a minimum of 70% cover? Yes / No / NA / (Unsure)

Comments: _____

Phosphorus Index:

NR151.04 Phosphorus Index In Compliance/ Not In Compliance

Does the PI average 6 or less or over the accounting period not exceed 12 in any one given year? Yes / No / NA / ~~Unsure~~

Are manure or nutrients being applied through mechanical means to surface waters of the State? Yes / No / NA / ~~Unsure~~

Comments: _____

_____

_____

Manure Storage Facilities:

NR 151.05(2) New construction or alterations In Compliance/ Not In Compliance

New or altered manure storage facilities shall be designed and constructed to USDA NRCS Standards. (note: new facility is anything constructed after 10/1/2002 and an altered facility is anything substantially altered after 10/1/2002)

Identify if there is a new or altered manure storage facility. Yes / No / NA / Unsure

When was it constructed? _____

Does the facility meet standards? _____

Comments: _____

_____

_____

NR151.05(3) Closure In Compliance/ Not In Compliance

Closure of a sub-standard manure storage facility shall occur when the facility has not been used in 24 months.

Identify if there is a substandard manure storage facility. Yes / No / NA / Unsure

When was the manure storage facility last used? _____

Comments: _____

_____

_____

NR151.05(4) Failing and Leaking Existing Facilities In Compliance/ Not In Compliance

Existing manure storage facilities that pose an imminent threat shall be upgraded, replaced or abandoned. (Note: This means all manure storage structures that were in existence "PRIOR" to 10/1/2002.)

Identify if there is a manure storage facility. Yes / No / NA / Unsure

When was it constructed? 1971

What type of liner does it have (if any)? Concrete wall pit

What is the separation distance between the pit and groundwater? Unknown

Does the facility pose an imminent threat to public health, fish, aquatic life, or is it in violation of groundwater standards? YES

Comments:_____

_____

_____

Process Waste Water Handling:

NR151.05(5) Process Waste Water Handling In Compliance/ Not In Compliance
There may be no significant discharges of process waste water to waters of the state.
Is there significant discharges of process waste water to waters
of the state? Yes / No / NA / Unsure

Comments:_____

_____

_____

Clean Water Diversions:

NR151.06 Clean Water Diversions In Compliance/ Not In Compliance
Runoff shall be diverted away from contacting feedlots, manure storage areas and barnyard areas within Water Quality Management Areas. (Note: Water Quality Management Area (WQMA) means the area within1000 feet from the ordinary high water mark of navigable waters that consist of lake, pond or flowage, the area within 300 feet from the ordinary high water mark of navigable waters that consist of a river or stream; and a site that is susceptible to groundwater contamination, or that has the potential to be a direct conduit for contamination to reach groundwater.)

Identify if the feedlot, manure storage area or barnyard is located within the Water Quality Management Area…WQMA. Yes / No / NA / Unsure

Is the water is being diverted.
-roof runoff _____
-surface water runoff _____

Comments:_____

_____

_____

_____

Nutrient Management:

NR151.07(3) Nutrient Management In Compliance/ Not In Compliance

Manure, commercial fertilizer and other nutrients shall be applied in conformance with a nutrient management plan.

Identify if the farm has a certified nutrient management plan. Yes / No / NA / Unsure
What is the date of the plan? _____
Who developed it? _____
What is the date of the most recent update? _____
Does the cropland drain to outstanding, exceptional

or impaired waters? _____
How is manure managed? _____
How many cropland acres? _____
What are the type and number of livestock? _____

Comments: _____

Manure Management Prohibitions:

NR151.08 Manure Management Prohibitions **In Compliance/ Not In Compliance**

1. ***No overflow of manure storage facilities.***

Identify if there is a manure storage facility. Yes / No / NA / Unsure
Does the manure storage facility overflow? _____

Comments: _____

2. ***No unconfined manure piles in WQMA's.*** **In Compliance/ Not In Compliance**
Is the barnyard, feedlot or manure storage area located in a WQMA? Yes / No / NA / Unsure
Are there unconfined manure piles in WQMA's? Yes / No / NA / Unsure

Comments: _____

3. ***No direct runoff from feedlots, barnyards or stored manure to waters of the state.*** **In Compliance/ Not In Compliance**

Identify if there is a direct conveyance through channelized flow from feedlots, barnyards, or stored manure into waters of the state. Yes / No / NA / Unsure
Comments: _____

4. ***No unlimited access to waters of the state which prevent the maintenance of adequate sod cover.*** **In Compliance/ Not In Compliance**

Identify if the livestock have unlimited access to waters of the state. Yes / No / NA / Unsure
Are the livestock restricted to crossings/watering facilities? Yes / No / NA / Unsure
Is livestock access restricted through managed grazing? Yes / No / NA / Unsure
Are bank and sod cover adequate? Yes / No / NA / Unsure

Comments: _____

_____

_____

_____

*NOTE:**** After the on-site NR 151 Inventory of Agricultural Nonpoint Source Pollution Control Standards has been completed, the Department of Land Management Staff member completing the inventory must sign the evaluation as well as the landowner. This document serves as the notification of informing the landowner of achieved compliance or non-compliance. Once compliance is achieved, compliance must be maintained in perpetuity.*

I have reviewed this site and made the above determinations to the best of my knowledge.

Carla D. Doelle — April 10th, 2014

Department of Land Management — Date

Landowner Concurrence and/or Appeal

✓ I have reviewed and agree with the Inventory of the NR151 Agricultural Nonpoint Source Pollution Control Standards.

_____ I have reviewed and agree with the Inventory of the NR 151 Agricultural Nonpoint Source Pollution Control Standards except for the following checked items in which I am requesting a re-evaluation through the administrative appeal process to the Trempealeau County Environment and Land Use Committee. I understand I have 30 days to appeal this decision.

____NR151.02 Sheet, rill and wind erosion
____NR151.03 Tillage Standard
____NR151.04 Phosphorus Index
____NR151.05(2)Manure Storage – New Construction or Alterations
____NR151.05(3)Manure Storage – Closure
____NR151.05(4) Manure Storage – Failing and Leaking Existing Facilities
____NR151.05(5) Process Waste Water
____NR151.06 Clean Water Diversions
____NR151.07(3) Nutrient Management
____NR151.08 Manure Management Prohibitions
____No Overflow of Manure Storage Facilities.
____No Unconfined manure piles in WQMA's.
____No Direct Runoff from feedlots, barnyards or stored manure to waters of the state.
____No Unlimited access to waters of the state which prevent the maintenance of adequate sod cover.

Eh Halderman Inc. — 4-10-014

Landowner — Date

Trempealeau County Pre- and Post-Project Monitoring Strategy

Trempealeau County Land Management Department staff shall perform on site pre- and post-project evaluations to determine the environmental benefits of project installation. This pre- and post-project evaluation shall include:

- Determination of phosphorus loading reductions for barnyard runoff control projects and/or livestock relocations using the BARNY Model
- Determination of sediment loading reductions using RUSLE2 cropland erosion prediction model for sheet and rill erosion
- Determination of sediment loading reductions using the concentrated flow erosion prediction model for grassed waterways installed as a pre-requisite for the use of the RUSLE2 Model
- Determination of sediment loading reductions using the appropriate erosion prediction models for limiting livestock access to streams and reducing sediment loading from uncontrolled feedlots