

**Targeted Runoff Management Program (TRM)
Grant Application – CY 2008 Funding**

Form 8700-300 (R 1/07)

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Notice: This document was drafted 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 Chapter NR 153 and NR 154, Wis. Adm. Code. Collection of this information is authorized under the authority of s. 281.65, Wis. Stats. The information contained in this form will be used for program budget analysis and project evaluation in the Targeted Runoff Management Grant Program. Personally identifiable information collected will be used for program administration and may be made available to requesters as required under Wisconsin's Open Records Law [ss. 19.31 - 19.39, Wis. Stats.]. *Unless otherwise noted, all citations refer to Wisconsin Administrative Code.*

Instructions: Complete all sections as applicable.

Applicant Information

Governmental Unit Applying: (name & type) (example: Madison, Town of)

Marathon, County of

| | | | | | |
|---|--------------------|--------------------------|--|--------------------|--------------------------|
| Name of Authorized Representative (First, Last) Ed Hammer | | | Name of Governmental Contact Person (First Last) (if different) Ken Pozorski | | |
| Title Director, Conservation Planning & Zoning | | | Title Conservation Specialist II | | |
| Area Code + Telephone Number 715-261-6000 | | | Area Code + Telephone Number 715-261-6000 | | |
| Area Code + Fax Number 715-262-6016 | | | Area Code + Fax Number 715-262-6016 | | |
| E-Mail Address Ed.Hammer@mail.co.marathon.wi.us | | | E-Mail Address Ken.Pozorski@mail.co.marathon.wi.us | | |
| Mailing Address - Street or Route 210 River Dr | | | Mailing Address - Street or Route 210 River Dr | | |
| City Wausau | State WI | Zip Code 54403 | City Wausau | State WI | Zip Code 54403 |

Consulting Firm Name (if applicable)

N/A

Consulting Contact Person Name

Title

| | | | | | |
|-----------------------------------|-------|----------|---------------------|--|--|
| Area Code + Telephone Number | | | DNR Use Only | | |
| Area Code + Fax Number | | | | | |
| E-Mail Address | | | | | |
| Mailing Address - Street or Route | | | | | |
| City | State | Zip Code | | | |

Project Information

A. Project Name

Manure Storage Abandonment's - Upper Big Eau Pleine Watershed

B. Project Area Location

County

Marathon

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TRM Grant Project Name

Manure Storage Abandonment's - Upper Big Eau Pleine Watershed**Project Information (continued)**

| Minor Civil Division Name (city, village, town, etc. – ex. Wrightstown, Village of) | Township (N) | Range (E/W) | Section | Quarter | Quarter- Quarter | Latitude (North) | Longitude (West) |
|---|-----------------|----------------|---------|---------|---------------------|------------------|------------------|
| See Attachment | | | | | | | |
| On Page | | | | | | | |
| 18 | | | | | | | |

Method for Determining Latitude & Longitude (check one)

☐ GPS☒ DNR WebView or Surface Water Data Viewer☐ Other (specify):**C. Project Summary**

In 2005 the Marathon County Conservation Planning & Zoning (CPZ) initiated a county-wide inventory to locate and assess all manure storage facilities within the county. The inventory is expected to be completed in early 2007. Through air-photo interpretation and field verification, final estimates have revealed there are nearly 850 manure storage facilities throughout the county. In addition, the inventory has identified there are at least 40 idle manure storage facilities within the Upper Big Eau Pleine River Watershed. Many of these idle facilities have not been used for several years, and some have been idle for more than 10 years. Marathon County is concerned with the environmental; health and safety risk these idle storage facilities pose as a threat to surface and groundwater, as well as the dangers they pose for human and animal activities near these structures.

The Upper Big Eau Pleine River Watershed has been identified as being part of a 303(d) Impaired Water body. In addition, the Idle manure storage facilities are identified as a violation of the NR151 Agricultural Performance Standards and Prohibitions, as well as a violation of the Marathon County Animal Waste Ordinance. Closure of these facilities will be accomplished in accordance with NRCS Standard-360.

Marathon County CPZ has notified the owners of these idle storage facilities in regards to violations of state and local standards. Eight landowners within the Upper Big Eau Pleine River Watershed have expressed interest in properly abandoning their storage facilities. If approved this grant will help assist landowners with the cost of properly abandoning these eight idle manure storage facilities.

D. Watershed & Waterbody (see Attachment A)

Watershed Name

Upper Big Eau Pleine River

Watershed Code

CW18

Primary Waterbody

Big Eau Pleine Reservoir

Note: If the project is in more than one watershed, submit a separate application for each watershed, unless this application is for a high-efficiency street sweeper.

Yes No

E. Project Target

- ☒ ☐ 1. The project will control agricultural runoff.
☐ ☒ 2. The project will control urban runoff.

F. Request for Funding for "Total Maximum Daily Load" Implementation

- ☐ ☒ 1. Requesting funding for eligible best management practices (BMPs) which will directly implement the pollutant-specific goals of a public comment draft (as of April 9, 2007) or an EPA-approved Total Maximum Daily Load (TMDL).
a. If yes, provide the title of TMDL report this project addresses.

TRM Grant Project Name

Manure Storage Abandonment's - Upper Big Eau Pleine Watershed**Project Information (continued)**

- ☐ ☐ 2. Final reimbursement for eligible, TMDL implementation project costs will be requested no later than September 20, 2009.

G. Request for Funding of Land Acquisition or Easements

- ☐ ☒ Requesting funding for either land acquisition or purchase of easements as part of this application to support eligible BMPs. If yes, attach the property acquisition proposal, as defined in **Attachment B**, to the completed application form.

H. Request for Retroactive Funding for Design Costs

- ☐ ☒ Requesting reimbursement for design costs that have been or will be incurred before issuance of the grant.

I. Request for Funding for Force Account Work

- ☒ ☐ Requesting reimbursement for technical services to be performed by governmental unit staff (force account).

J. 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. If you have no evidence of the items below, check "No."

- ☐ ☒ 1. There are endangered or threatened resources, as identified in s. 29.604, Wis. Stats., and ch. NR 27 in the project area.
- ☐ ☒ 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 ch. NR 103.

K. Environmental Contamination

- ☐ ☒ The applicant is aware of environmental contamination of the soil and/or groundwater or potential for contamination in the project area.

L. Urban Projects Only: Pro-rating for Existing versus New Development

- ☐ ☐ Project will serve existing development only. If no, provide attachments and the following:

100%

Percentage of total design volume that will be generated by existing development. (change default % if necessary)

M. Urban Projects Only: Alternative Funding Possibility

- ☐ ☐ This applicant requests that the DNR also submit a copy of this application to the Clean Water Fund loan program.

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TRM Grant Project Name

Manure Storage Abandonment's - Upper Big Eau Pleine Watershed

Part I. Screening Requirements

Yes

No

A. Map

☒
☐

An 8.5" x 11" topographic map from USGS or the DNR data/map viewers, showing the project area, is attached.

B. Best Management Practices (BMPs) For Which DNR Funding Is Requested (check all that apply)

(see **Attachment D** for additional BMP information)

| <u>Practice</u> | <u>Wis. Adm. Code</u> | <u>Practice</u> | <u>Wis. Adm. Code</u> |
|--|-----------------------|--|-----------------------|
| <input type="checkbox"/> Manure Storage Systems | NR 154.04(3) | <input type="checkbox"/> Riparian Buffers | NR 154.04(25) |
| <input checked="" type="checkbox"/> Manure Storage System Closure | NR 154.04(4) | <input type="checkbox"/> Roofs | NR 154.04(26) |
| <input type="checkbox"/> Barnyard Runoff Control Systems | NR 154.04(5) | <input type="checkbox"/> Roof Runoff Systems | NR 154.04(27) |
| <input type="checkbox"/> Access Roads & Cattle Crossings | NR 154.04(6) | <input type="checkbox"/> Sediment Basins | NR 154.04(28) |
| <input type="checkbox"/> Animal Trails and Walkways | NR 154.04(7) | <input type="checkbox"/> Shoreline Habitat Restoration for Developed Areas | NR 154.04(29) |
| <input checked="" type="checkbox"/> Critical Area Stabilization | NR 154.04(10) | <input type="checkbox"/> Sinkhole Treatment | NR 154.04(30) |
| <input checked="" type="checkbox"/> Diversions | NR 154.04(11) | <input type="checkbox"/> Subsurface Drains | NR 154.04(33) |
| <input type="checkbox"/> Field Windbreaks | NR 154.04(12) | <input type="checkbox"/> Terrace Systems | NR 154.04(34) |
| <input type="checkbox"/> Filter Strips | NR 154.04(13) | <input type="checkbox"/> Underground Outlets | NR 154.04(35) |
| <input type="checkbox"/> Grade Stabilization | NR 154.04(14) | <input type="checkbox"/> Waste Transfer Systems | NR 154.04(36) |
| <input type="checkbox"/> Heavy Use Area Protection | NR 154.04(15) | <input type="checkbox"/> Wastewater Treatment Strips | NR 154.04(37) |
| <input type="checkbox"/> Lake Sediment Treatment | NR 154.04(16) | <input type="checkbox"/> Water and Sediment Control Basins | NR 154.04(38) |
| <input type="checkbox"/> Livestock Fencing | NR 154.04(17) | <input type="checkbox"/> Waterway Systems | NR 154.04(39) |
| <input type="checkbox"/> Livestock Watering Facilities | NR 154.04(18) | <input type="checkbox"/> Well Decommissioning | NR 154.04(40) |
| <input type="checkbox"/> Milking Center Waste Control Systems | NR 154.04(19) | <input type="checkbox"/> Wetland Development or Restoration | NR 154.04(41) |
| <input type="checkbox"/> Prescribed Grazing | NR 154.04(22) | | |
| <input type="checkbox"/> Relocating or Abandoning Animal Feeding Operations | NR 154.04(23) | | |
| Urban BMPs: NR 154.04(42) | | Streambank and Shoreline Protection: NR 154.04(31) (includes associated fencing) | |
| <input type="checkbox"/> Detention Basin | | <input type="checkbox"/> Stream Crossing | |
| <input type="checkbox"/> Wetland Basin | | <input type="checkbox"/> Streambank/Shoreline Rip-rapping | |
| <input type="checkbox"/> Filtration Practice | | <input type="checkbox"/> Streambank/Shoreline Shaping & Seeding | |
| <input type="checkbox"/> Infiltration Practice | | <input type="checkbox"/> Streambank/Shoreline Fencing | |
| <input type="checkbox"/> Accelerated or High-efficiency Street Sweeping System | | <input type="checkbox"/> Other Streambank/Shoreline Protection (incl. bio-engineering) - specify below | |
| <input type="checkbox"/> Other (specify) | | | |

TRM Grant Project Name

Manure Storage Abandonment's - Upper Big Eau Pleine Watershed**Part I. Screening Requirements (continued)****C. Filters**

Note: You must be able to answer "Yes" to questions 1-5 and "Yes" or "N/A" (Not Applicable) to question 6 to be eligible for a grant.

| | | |
|-------------------------------------|--------------------------|---|
| Yes | No | |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | 1. Project will be completed within 24 months of the start of the grant period. |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | 2. Staff and contractors designated to work on this project have adequate training, knowledge, and experience to implement the proposed project. |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | 3. Staff or contractual services, in addition to those funded by this grant, will be provided if needed. |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | 4. Best management practices constructed under this grant will not work at cross-purposes to (are consistent with) agricultural and non-agricultural performance standards under ch. NR 151. (see Attachment E) |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | 5. The local DNR Regional Nonpoint Source Coordinator (see Attachment C) has been contacted about this project: |

| Name of the Regional Nonpoint Source Coordinator Contacted | Date Contacted | Subject of Contact |
|--|-------------------|----------------------------|
| Micah Oriedo | 3/14/07 | Field visit idle pit sites |
| Micah Oriedo | 3/21/07 & 3/28/07 | Field visit idle pit sites |

| | | | |
|--|--------------------------|-------------------------------------|--|
| Yes | No | N/A | |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | 6. If this is an application to construct ponds in navigable streams or in wetlands, the necessary waterway or wetland permit (chs. 30 or 281, Wis. Stats.) has been received. |
| If yes, give the docket number and date of issuance. | | | |
| Docket Number | | | Date of Issuance |

If you answered "No" to one or more of the items in question C above, stop here. The project is ineligible.

D. Eligibility: Reason For Controlling Nonpoint Source Pollution In The Target Area

| | | |
|-------------------------------------|-------------------------------------|---|
| Yes | No | |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | 1. The need for compliance with performance standards established by the DNR in ch. NR 151. |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | 2. The existence of nonpoint-source-impaired water bodies that the DNR has identified to the U.S. EPA under 33 USC 1313 (d)(1)(A), commonly referred to as the "303(d) List." |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | 3. The existence of outstanding or exceptional resource waters, as designated by the DNR in ss. NR 102.10 and NR 102.11. |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | 4. Other water quality concerns of statewide or national significance. (Important: You may only check this box, if you are eligible to score 10 points in Part II, Question #4 "Basin Priorities" of this application.) |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | 5. The existence of threats to public health. |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | 6. The existence of an animal feeding operation that has received a notice of discharge (NOD) under ch. NR 243 or a notice of intent (NOI) to issue a notice of discharge. |

If you answered "Yes" to one or more of the items in question D above, continue to Part II. Otherwise, stop here. The project is ineligible.

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TRM Grant Project Name

Manure Storage Abandonment's - Upper Big Eau Pleine Watershed**Part II. Minimum Qualifications****Question 1. Fiscal Accountability****A. 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 | 4/08 | County Conservation Staff |
| Obtaining required permits | 6/08 | County Conservation Staff |
| Landowner contacts | 5/07 | County Conservation Staff |
| CSA signing | 6/08 | County Conservation Staff |
| Bidding | 6/08 | County Conservation Staff |
| DNR approvals | 8/08 | Rib Mountain DNR - Micah Oriedo |
| Contract signing | 8/08 | County Conservation Staff |
| BMP construction | 10/09 | County Conservation Staff |
| Site inspection and certification | 10/09 | County Conservation Staff & DNR (Micah Oriedo) |
| Project evaluation | 11/09 | County Conservation Staff |
| Purchase street sweeper (urban only) | | |
| Other (specify) | | |

B. Adequate Financial Budget

Provide the following information for the project. The grant amount is capped at \$150,000.

FINANCIAL BUDGET TABLE

| A | B | C |
|--|---------------------------|---|
| Project Activity for Which <u>DNR Funding</u> is Requested | Estimated Total Cost (\$) | Amount from Column B Eligible for DNR Cost Sharing (\$) |
| Construction Components: | | |
| Noah Borntreger Manure Storage Abandonment | 10,492 | 10,492 |
| Tom Busse Manure Storage Abandonment | 7,051 | 7,051 |
| Claudie & Dan McPherson Manure Storage Abandonment | 24,930 | 24,930 |
| Ron Schmitt Manure Storage Abandonment | 9,869 | 9,869 |
| David Weber Manure Storage Abandonment | 2,794 | 2,794 |
| Thomas Zuelke Manure Storage Abandonment | 4,538 | 4,538 |
| Alvin Zugier Manure Storage Abandonment | 11,779 | 11,779 |
| Daniel Beery Manure Storage Abandonment | 4,475 | 4,475 |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| 1. Construction Subtotal | \$75,928 | \$75,928 |
| 2. Engineering Services (including design) | \$3,796 | \$3,796 |
| 3. Storm Sewer Reroute (Urban projects only) | \$0 | \$0 |
| 4. Structure Removal (Urban projects only) | \$0 | \$0 |
| 5. Subtotal [add rows 1-4] | \$79,724 | \$79,724 |
| 6. Property Acquisition: Fee Title & Easement | \$0 | \$0 |
| 7. Grand Total [add rows 5 & 6] | \$79,724 | \$79,724 |

TRM Grant Project Name

Manure Storage Abandonment's - Upper Big Eau Pleine Watershed**Part II. Minimum Qualifications (continued)****Cost-Sharing Worksheet****Eligible Costs:**

Multiply the eligible costs (column C) by the percent for proration (if applicable) and the applicable cost-share rate. Enter the result in the column on the right.

| | | Prorate % | Cost-Share % | |
|---|------|-----------|--------------|------------------|
| 8. Construction, engineering services, etc. (if other percent, specify) | | 100% | 70% | \$ 55,807 |
| Costs Specific to Agricultural Projects: | | | | |
| 9. Land Purchase (Fee Title) | \$ 0 | - | 50% | \$ 0 |
| 10. Agricultural Easements | \$ 0 | - | 70% | \$ 0 |
| Costs Specific to Urban Projects: | | | | |
| 11. Property Acquisition: Fee Title & Easement | \$ | 100% | 50% | \$ 0 |
| 12. Storm Sewer Rerouting | | 100% | 50% | \$ 0 |
| 13. Structure Removal | | 100% | 50% | \$ 0 |
| 14. Total Eligible Costs [sum (8) through (13)] | | | | \$ 55,807 |
| Cap Test: | | | | |
| 15. Maximum State Share [Lesser of (14) or \$150,000] | | | | \$ 55,807 |
| State & Local Share: | | | | |
| 16. Requested State-Share Amount (Requested Grant Amount) | | | | \$ 55,807 |
| 17. Local-Share Amount [(7), column B less (16)] | | | | \$ 23,917 |

Method(s) Used to Calculate Cost Estimates

Cost were estimated based on preliminary design quantities multiplied by average cost per item. The County establishes an average cost list annually based on actual bid projects.

C. Cost-Effectiveness

1. Tangible Benefits

a. Primary Benefit:

List the nonpoint source pollutants to be controlled by the project.

Closure of the manure storage facilities will ensure that the manure and associated nutrients that are contained within the facilities will not enter surface water or groundwater. Many of the facilities are either close to overflowing, are currently breached, or are located on susceptible sites of high groundwater or bedrock. The County is actively addressing manure storage facilities that do not meet current Agriculture Performance Standards & Prohibition and/or the Waste Storage Ordinance.

b. Secondary Benefits:

Which of the following secondary benefits will be achieved by implementing this project? (check all that apply)

☒ Fish and wildlife habitat enhancement

☐ Enhancements to recreation

☒ Public safety

☒ Economical operation, economical maintenance and enhanced life expectancy of the BMP

☒ Other (specify): **Landowner liability issues, and resale improvements to property.**

TRM Grant Project Name

Manure Storage Abandonment's - Upper Big Eau Pleine Watershed

Part II. Minimum Qualifications (continued)

2. Cost-Effectiveness

Explain why the proposed project is cost-effective considering the environmental benefit(s) and cost of the project.

The proposed project would ensure the proper abandonment of eight inactive manure storage facilities. The overall cost of the total project is relatively inexpensive when considering the number of facilities to be abandoned, the simplicity of incorporating the BMP, and the no cost, maintenance free practice when applied. When considering the cost, permanency, and the willingness of landowners to address their idle facilities, the framework for a successful project is established.

Yes

No



3. Alternatives

a. There is more than one way to achieve the benefits checked above. If no, go to part b.

1) If **yes**, complete the following table with information for the alternative you have chosen and one or two other alternatives. Note that the table requires information about the cost and pollutant load/potential reductions.

| Alternatives Analysis | | | | |
|-----------------------|--|------------------|--|-------------------------------|
| | A | B | C | D |
| | Alternative | Cost | Effectiveness | (B ÷ C) Cost-Effectiveness |
| | | Estimated Amount | Estimated % of Pollutant Load Reduction | |
| 1 | Re-construct all the facilities to meet today's standards & allow neighboring farms to utilize the facilities. | \$ 160,000 | 75 % | 213,333 |
| 2 | Proposal within this grant application | \$ 79,724 | 75 % | 106,299 |
| 3 | | \$ | % | |

2) If the applicant is not choosing the alternative with the lowest ratio of cost to pollutant load/potential reductions, explain why it was not chosen in terms of any of the following: feasibility, secondary benefits potential, or other mitigating factors.

b. If the answer to part 3.a. was **no**, explain why there is no other reasonable alternative to achieve the reduction in pollutant loading/potential or the secondary benefits checked above.

Reasonable alternatives do not exist for the proper abandonment of a storage facility. The practice of decommissioning a manure storage facility does not lend to other possible practices to achieve the desired purpose. In addition the farms are no longer active, nor does the landowners intend to operate a dairy facility on the sites. Many of the farms animal housing facilities have been razed or are in no condition to house animals. Every landowner has expressed no future need to keep the idle storage facility.

TRM Grant Project Name

Manure Storage Abandonment's - Upper Big Eau Pleine Watershed

Part II. Minimum Qualifications (continued)**Question 2. Project Evaluation Strategy**

The applicant must agree to provide a description of the modeled results or changes in pollution potential in the final project report. The project evaluation strategy will be based on comparing pre- and post-project changes in modeled pollutant loading to water resources or will be based on the quantity of units managed.

A. Modeling & Measures of Change

Pre- and post-project evaluation measures that the applicant will use to ensure success in meeting project goals:
(check all that apply)

| | Agricultural Performance Standard or Prohibition | Units of Measure | Recommended Measurement Method |
|---|---|----------------------------------|--------------------------------|
| <input type="checkbox"/> | Sheet, rill and wind erosion | Acres meeting T | RUSLE-2 or wind erosion model |
| <input type="checkbox"/> | Manure Storage Facilities: New Construction/Alterations | Number of facilities | count |
| | | Number of animal units | count |
| <input checked="" type="checkbox"/> | Manure Storage Facilities: Closure | Number of facilities | count |
| <input checked="" type="checkbox"/> | Manure Storage Facilities: Failing/Leaking Facilities | Number of facilities | count |
| | | Number of animal units | count |
| <input type="checkbox"/> | Clean Water Diversions in WQMA | Pollutant load reduction | BARNY Model |
| | | Number of farms with diversions | count |
| | | Number animal units | count |
| <input type="checkbox"/> | Nutrient Management on Agricultural Land | Acres planned | count |
| <input checked="" type="checkbox"/> | Prohibition: Manure Storage Overflow | Number of facilities | count |
| | | Number of animal units | count |
| <input checked="" type="checkbox"/> | Prohibition: Unconfined Manure Pile in WQMA | Number of farms | count |
| <input checked="" type="checkbox"/> | Prohibition: Direct Runoff From Feedlot/Stored Manure | Pollutant load reduction | BARNY Model |
| | | Number of facilities | count |
| | | Number of animal units | count |
| <input type="checkbox"/> | Prohibition: Unlimited Livestock Access | Feet of bank protected | count |
| | | Number of farms | count |
| Other Priority for Agricultural Area | | | |
| <input type="checkbox"/> | Buffers | Feet of bank protected | CREP formula |
| | | Number of farms | count |
| <input type="checkbox"/> | Streambank | Tons of bank erosion reduced | NRCS bank erosion formula |
| | | Feet of bank protected | count |
| <input type="checkbox"/> | Other (specify) | | |
| Priority for Developed Urban Area | | | |
| <input type="checkbox"/> | 20-40% Reduction in Total Suspended Solids (TSS) | Pounds TSS reduced | SLAMM, P-8 |
| | | % TSS reduction | |
| <input type="checkbox"/> | Infiltration | % Pre-development stay-on volume | Recarga, SLAMM, P-8 |
| | | Cubic feet stay-on volume | |
| <input type="checkbox"/> | Peak flow discharge | Change in cubic feet per second | TR-55 or equivalent |
| <input type="checkbox"/> | Protective areas | Feet of bank protected | count |
| <input type="checkbox"/> | Fueling & maintenance areas | Oily sheen presence | visual assessment |
| <input type="checkbox"/> | Streambank | Tons of bank erosion reduced | NRCS bank erosion formula |
| | | Feet of bank protected | count |
| <input type="checkbox"/> | Other (specify) | | |

Yes No

B. Monitoring (not eligible for cost sharing at this time)

- ☐ ☒ The project evaluation strategy will provide pre- and post-project information from water resource monitoring. If "Yes," check all that apply below.
- ☐ The project will evaluate the physical habitat, fisheries, biological, or chemical conditions.
- ☐ A one-page summary of the monitoring strategy is attached.

TRM Grant Project Name

Manure Storage Abandonment's - Upper Big Eau Pleine Watershed

Part II. Minimum Qualifications (continued)**C. Additional Monitoring**

Yes ☒ No ☐

The applicant is willing to participate with the Department to do monitoring in the project area should funding become available.

Question 3. Evidence of Local Support

The level of local support that currently exists for the proposed project.

Agricultural Projects:

Yes ☒ No ☐

A. Government

1. **Regulatory Situations** *If yes to both items (A. 1.a & A. 1.b) below, go to Question 4. Otherwise, continue to part A2 of this question.*

☒ ☐

a. At least 75% of 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 ch. NR 243 or non-compliance with agricultural performance standards and prohibitions under subch. II of NR 151 or a local regulation.

☒ ☐

b. At least one of the following is attached to this application form:

1. copy of the NOI issued under NR 243, or
2. copy of the NOD issue under NR 243, or
3. copy of letter signed by DNR stating that DNR will issue an NOI or NOD under NR 243 if cost sharing is provided, or
4. copy of letter signed by DNR and the county that a notice, under s. NR 151.09 or 151.095, will be issued if necessary, or
5. copy of letter signed by the county that the local regulation will be enforced at the project site.

2. **Non-Regulatory Situations**

☐ ☐

a. The governmental unit has developed:

- i. a detailed pollution control plan with the landowners that identifies specific best management practices (BMPs).
- ii. general assessments of the pollution sources within the project area.

☐ ☐

☐ ☐

b. The governmental unit has contacted the landowner(s)/land operator(s) about the proposed BMP installations.

If yes, provide details.

Yes ☐ No ☐

B. Landowners & Partners

1. **Level of Landowner Participation**

☒ ☐

a. A majority of the affected landowners/land operators have specifically indicated that they will sign a cost-share agreement (CSA) to install the practices requested in this grant application.

☒ ☐

b. A majority of the affected landowners/land operators have indicated a general interest to participate in the project.

☐ ☒

c. Letters of support for the project from affected landowners/land operators are attached.

☐ ☒

2. **Involvement of Partners**

☐ ☒

a. 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 yes, list the project partner(s).

☐ ☒

b. Letters of support from the project partner(s) are attached.

TRM Grant Project Name

Manure Storage Abandonment's - Upper Big Eau Pleine Watershed

Part II. Minimum Qualifications (continued)**Urban Projects:**

- | | | |
|--|--------------------------|--|
| Yes | No | A. Government |
| | | 1. The local-share funds for the construction/installation expenses: |
| <input type="checkbox"/> | <input type="checkbox"/> | a. are already included specifically in an <u>adopted</u> budget. |
| <input type="checkbox"/> | <input type="checkbox"/> | b. will be included in a <u>proposed</u> budget. |
| <input type="checkbox"/> | <input type="checkbox"/> | 2. The governmental unit has already conducted public information activities within the project area for this practice. |
| If yes, provide details on the opportunity for public reaction the governmental unit provided and indicate the general public support or non-support for the project that was indicated. | | |
| <hr/> | | |
| Yes | No | B. Landowners |
| | | 1. The governmental unit: |
| <input type="checkbox"/> | <input type="checkbox"/> | a. already owns, or holds an easement for, the land on which the project is to be installed. |
| <input type="checkbox"/> | <input type="checkbox"/> | b. is submitting with the application a list of landowners, occupants, or tenants that occupy the property and information indicating each party's willingness to sell or ease the necessary parcel. |
| <input type="checkbox"/> | <input type="checkbox"/> | 2. Evidence of citizen (non-governmental) support for the project (such as letters from the neighborhood association, a civic group or an environmental organization voicing support) is attached. |

Question 4. Basin Priorities (check one, A-H)

- ☒ **A. Clean Water Act s. 303(d) List of Impaired Waters**
Project with water quality goals directly dealing with a waterbody (lake or stream) on the latest Clean Water Act (CWA) s. 303(d) List of impaired waters, where the cause of the water quality impairment is nonpoint source pollution, and will reduce the type of nonpoint source pollutants for which the water is listed.
- ☐ **B. Outstanding and Exceptional Resource Waters**
Waterbody is included in s. NR 102.10 (Outstanding Resource Waters) and/or s. NR 102.11 (Exceptional Resource Waters).
- ☒ **C. NPS Rankings**
Project is located in a large-scale watershed, a small-scale watershed, lake watershed, or other area ranked high or medium on the NPS Rankings List, where the goals of the project are directly associated with the reason for the ranking on the NPS Rankings List.
- ☐ **D. Amendment of the NPS Rankings List Using State of the Basin Reports**
Project is located within a watershed ranked low or not ranked on the NPS Rankings List, but information in a DNR State of the Basin report indicates a need to amend the NPS Rankings List because the stream, stream segment, or lake is being affected by nonpoint sources of pollution.
- ☐ **E. Amendment of the NPS Rankings List Using Other Data Sources**
Project is located within a watershed ranked low or not ranked on the NPS Rankings List, but adequate data exists to request a ranking of high or medium for a waterbody that that is being affected by nonpoint sources of pollution.
- ☐ **F. Sources of Information for Areas Not Included in State of the Basin Reports**
For some border waters, there is no State of the Basin report (i.e., along the Mississippi River or the Great Lakes). For these situations, another governmental document, accepted by the Regional NPS Coordinator, can be used to classify the resource as having a significant nonpoint source pollution impairment.
- ☒ **G. Governmental Notices**
The applicant has checked "Yes" to both parts of Part II, Question 3, A.1.
- ☐ **H. Not Included in Other Categories Above**

TRM Grant Project Name
Manure Storage Abandonment's - Upper Big Eau Pleine Watershed

Part III. Competitive Elements

Question 5. Water Quality Needs

The water quality category which best identifies the water quality goals for the project directly deals with: (check one)

Note: For border waters where a State of the Basin Report does not exist, another governmental document acceptable to the Regional Nonpoint Source Coordinator may be used to identify the water quality need.

Surface Water Considerations

- ☒ **A. 303(d) Listed Waterbody**
A waterbody (lake or stream) on the latest Clean Water Act (CWA) s. 303(d) List of impaired waters, where the cause of the water quality impairment is nonpoint source pollution, and will reduce the type of nonpoint source pollutants for which the water is listed.
- ☐ **B. Not Fully Meeting Uses**
A waterbody (lake or stream) identified in a DNR State of the Basin report as not meeting or partially meeting designated uses due to nonpoint sources, but is not on the 303(d) List.
- ☐ **C. Threatened Waterbody**
A waterbody (lake or stream) viewed as "threatened" by nonpoint sources in a DNR State of the Basin report.
- ☐ **D. Outstanding or Exceptional Resource Waters**
Prevention of degradation due to nonpoint sources of outstanding or exceptional resource waters or high quality, recreationally significant waters, but not including waters listed as "threatened."
- ☐ **E. Surface Water Quality**
Prevention surface water quality degradation due to nonpoint sources. Waters in this category are neither high quality, recreationally significant waters nor "threatened" waters.

Groundwater Considerations*

- ☐ **F. Exceeds Groundwater Enforcement Standard**
Groundwater within the project area where representative information indicates there are levels for NPS contaminants that exceed groundwater enforcement standards.
- ☐ **G. Groundwater Quality**
The project area is within a geological area defined in s. NR 151.015(18) as susceptible to groundwater contamination. See **Attachment G**.
- ☐ **H. Exceeds Groundwater Preventive Action Limit**
Groundwater within the project area where representative information indicates there are levels for NPS contaminants that exceed groundwater preventive action limits.

**Work with the regional DNR drinking water and groundwater specialist or the county extension office.*

Bonus Points:

Yes No

- ☐ ☒ Water quality goals relate to the control of nonpoint source contaminants in public drinking water supplies.

1. If yes, and the source of drinking water affected by the project area is groundwater, the project protects:

- ☐ a. One wellhead
OR
☐ b. More than one wellhead

2. If yes, and the source of drinking water affected by the project area is surface water, check the source water assessment area (drainage area) in which the project is located:

- | | |
|---|---|
| <input type="checkbox"/> Pike River & Creek | <input type="checkbox"/> Twin Rivers |
| <input type="checkbox"/> Root River | <input type="checkbox"/> Kewaunee & Ahnapee Rivers |
| <input type="checkbox"/> Oak Creek | <input type="checkbox"/> Menominee River |
| <input type="checkbox"/> Milwaukee River | <input type="checkbox"/> Fish Creek |
| <input type="checkbox"/> Sauk Creek | <input type="checkbox"/> St. Louis & Nemadji Rivers |
| <input type="checkbox"/> Sheboygan & Onion Rivers | <input type="checkbox"/> Lake Winnebago |
| <input type="checkbox"/> Manitowoc River | |

TRM Grant Project Name

Manure Storage Abandonment's - Upper Big Eau Pleine Watershed**Part III. Competitive Elements (continued)****Question 6. Extent of Pollutant Control**

| | | |
|-------------------------------------|--------------------------|---|
| Yes | No | A. NR 151 Agricultural Performance Standards & Prohibitions |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | The proposed project addresses at least one of the NR 151 agricultural performance standards and prohibitions. Indicate the performance standard(s) or prohibition(s) that is the focus of this project. (check all that apply) |
| | | <input type="checkbox"/> a. Sheet, rill, and wind erosion. (NR 151.02) |
| | | <input type="checkbox"/> b. Manure storage facilities: new/significant alterations. (NR 151.05(2)) |
| | | <input checked="" type="checkbox"/> c. Manure storage facilities: closure. (NR 151.05(3)) |
| | | <input checked="" type="checkbox"/> d. Manure storage facilities: existing failing/leaking. (NR 151.05(4)) |
| | | <input type="checkbox"/> e. Clean water diversions. (NR 151.06) |
| | | <input type="checkbox"/> f. Nutrient management. (NR 151.07) |
| | | <input checked="" type="checkbox"/> g. Prohibition: Prevention of overflow from manure storage facilities. (NR 151.08(2)) |
| | | <input type="checkbox"/> h. Prohibition: Prevention of unconfined manure piles in water quality management areas (within 300 ft. of a stream, 1000 ft. of a lake, or areas where the groundwater is susceptible to contamination). (NR 151.08(3)) |
| | | <input checked="" type="checkbox"/> i. Prohibition: Prevention of direct runoff from a feedlot or stored manure into waters of the state. (NR 151.08(4)) |
| | | <input type="checkbox"/> j. Prohibition: Prevention of unlimited livestock access to waters of the state where high concentrations of animals prevent the maintenance of adequate sod cover or self-sustaining vegetation. (NR 151.08(5)) |

| | | |
|--------------------------|-------------------------------------|---|
| Yes | No | B. Other Water Resources Management Priority |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | The proposed project addresses a water resources management priority other than an NR 151 agricultural performance standard or prohibition. |
| | | If yes, describe the priority and how the project addresses this priority. |

| | | |
|-------------------------------------|--------------------------|--|
| Yes | No | C. Planning Data & Source Targeting |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | The applicant has quantitative planning information that ranks pollution sources from highest to lowest in severity <u>and</u> the proposed project will manage a pollution source contained in the top 50% of the ranked list. If yes, provide: |
| | | a. Description of planning data Nonpoint Source Priority Watershed Plan |
| | | b. Name of document(s) A Nonpoint Source Control Plan for the Upper Big Eau Pleine River Priority Watershed Project |
| | | c. Date(s) published August, 1987 |
| | | d. Pertinent page numbers 3, 11-15, 69, 75-82 |
| | | e. A copy of non-state document(s) is available: |
| | | <input type="checkbox"/> At this website: <u>http://</u> |
| | | <input type="checkbox"/> Attached to this application form. |
| | | <input checked="" type="checkbox"/> Contact this person: <u>Name: Ken Pozorski</u> Phone: <u>715-261-6000</u> |

TRM Grant Project Name

Manure Storage Abandonment's - Upper Big Eau Pleine Watershed**Part III. Competitive Elements (continued)****Question 7. Consistency with Resource Management Plans**

Yes No

- ☒ ☐ The project implements a water quality recommendation from a locally approved resource management plan.

Summarize the water quality recommendation. Cite the name and date(s) of publication of the document.

The installation of the proposed BMP's will significantly advance the goals of the Marathon County Land and Water Resource Management Plan as outlined in Chapter IV, Which include:

- 1) Facilitate the abandonments of manure storage facilities at high risk.**
- 2) Address the concerns of failing and leaking manure storage facilities.**
- 3) Address Manure Management Prohibitions and Agricultural Performance Standards.**
- 4) Inform county residents of NR151: Agricultural Performance Standards and Prohibitions**

Question 8. Use of Additional Funding

Yes No

- ☒ ☐ A. The state share is below the \$150,000 cap.
- ☐ ☒ B. Funding requested is below the maximum allowable cost-share rate.

Question 9. City of Racine

Yes No

- ☐ ☒ This is an application from the City of Racine for a project that is necessary for the city to comply with state storm water permitting requirements.

TRM Grant Project Name
Manure Storage Abandonment's - Upper Big Eau Pleine Watershed

Part IV. Eligibility for Multipliers

Completion of this part of the application is optional. However, an applicant can increase the final project score by qualifying for a project multiplier.

Agricultural Projects (select all that are in place as of the application submittal date)

A. Local Implementation Program (factor 0.1) (check all that apply)

Check activities listed below that are part of the local program to implement agricultural performance standards and prohibitions contained in ch. NR 151. Check all activities that apply. An activity may be checked "Yes" if either of the following is true:

- The activity is currently assigned to the applicant, or another local unit of government, in an approved Land and Water Resources Management Plan (LWRMP), an updated LWRMP work plan or an inter-governmental agreement with the Department of Natural Resources. List the document and page number where the activity is addressed.
- The activity is not currently assigned in one of these documents, but the applicant describes, in the space provided below, who will conduct the activity.

| Yes | No | | Document | Page Number |
|-------------------------------------|--------------------------|---|---------------------|-------------|
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | 1. Inform and educate landowners/operators about performance standards and prohibitions. | LWRM Plan 2005-2010 | 52, 71 |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | 2. Conduct compliance status surveys, including on-site visits, for croplands and livestock facilities and convey compliance status to landowners/operators. | LWRM Plan 2005-2010 | 51, 73 |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | 3. Discuss with landowners/operators the best management practices needed to achieve compliance with performance standards and prohibitions. | LWRM Plan 2005-2010 | 71 |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | 4. Seek financial assistance for landowners/operators to achieve compliance with performance standards & prohibitions. | LWRM Plan 2005-2010 | 58, 64 |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | 5. Develop cost-share agreements with landowners/operators and provide them with technical assistance to achieve compliance with performance standards & prohibitions. | LWRM Plan 2005-2010 | Ch 5 |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | 6. Track compliance status of croplands and livestock facilities and provide compliance status information to the Department of Natural Resources upon request. This includes notifying DNR when a landowner/operator does not comply with a notice issued under NR 151.09 or NR 151.095. | LWRM Plan 2005-2010 | Ch 5 |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | 7. Provide assistance to the Department of Natural Resources to issue notices under NR 151.09 and NR 151.095. | LWRM Plan 2005-2010 | 54, 57 |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | 8. In situations where local regulations do not require compliance with a performance standard or prohibition, refer cases of non-compliance to the local district attorney or the Department of Natural Resources. | LWRM Plan 2005-2010 | Ch 5 |

If an item checked above is not covered by a LWRMP, an updated LWRMP work plan or an Inter-Governmental Agreement (IGA) with DNR, list the activity and identify who will carry it out.

If all items (1-8) above are checked "Yes," go on to part B. Otherwise, stop here.

TRM Grant Project Name

Manure Storage Abandonment's - Upper Big Eau Pleine Watershed**Part IV. Eligibility for Multipliers (continued)****B. Local Enforcement Program – Scope of Local Regulations** (factor 0.15) (check all that apply)

The ten agricultural performance standards and prohibitions included in chapter NR 151 are listed below. For each of these performance standards and prohibitions, determine if a local regulation currently exists. If a local regulation exists, check the appropriate column based on whether the local regulation provides "full coverage" or "partial coverage" of the state standard. Definitions and examples of full coverage and partial coverage are provided in the Instructions.

Title(s) of ordinance(s) for which credit is taken in this section:

General Code of Ordinances for Marathon County Chapter 11.02 - Animal Waste and Manure Management Code

Copies of ordinances for which credit is taken in this section are:

- ☒ Found at this website (provide <http://www.co.marathon.wi.us/> most direct web page URL):
- ☐ Attached to this application form.
- ☐ Already submitted with another application.

| Full Coverage | Partial Coverage | Agricultural Performance Standards & Prohibitions | Wis. Adm. Code |
|-------------------------------------|-------------------------------------|---|----------------|
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | 1. Sheet, rill and wind erosion | NR 151.02 |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | 2. Manure Storage Facilities: New/Significant Alterations | NR 151.05(2) |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | 3. Manure Storage Facilities: Closure | NR 151.05(3) |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | 4. Manure Storage Facilities: Existing Failing/Leaking | NR 151.05(4) |
| <input type="checkbox"/> | <input type="checkbox"/> | 5. Clean Water Diversions | NR 151.06 |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | 6. Nutrient Management | NR 151.07 |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | 7. Prohibition: Manure Storage Overflow | NR 151.08(2) |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | 8. Prohibition: Unconfined Manure Pile | NR 151.08(3) |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | 9. Prohibition: Direct Runoff From Feedlot/Stored Manure | NR 151.08(4) |
| <input type="checkbox"/> | <input type="checkbox"/> | 10. Prohibition: Unlimited Livestock Access | NR 151.08(5) |

Urban Projects (select all that are in place as of the application submittal date)

Title(s) of ordinance(s) for which credit is taken in this section:

Copies of ordinances for which credit is taken in this section are:

- ☐ Found at this website (provide <http://> most direct web page URL):
- ☐ Attached to this application form.
- ☐ Already submitted with another application.

| Yes | No | A. Local Implementation Program (factor .1) |
|--------------------------|--------------------------|---|
| <input type="checkbox"/> | <input type="checkbox"/> | 1. Implement a construction site erosion control ordinance consistent with the performance standards and applicability requirements of s. NR 151.11. |
| <input type="checkbox"/> | <input type="checkbox"/> | 2. Implement a pollution prevention information and education program targeted at residents, including property owners. |
| <input type="checkbox"/> | <input type="checkbox"/> | 3. Implement nutrient management for municipally owned properties where nutrients are applied to at least five acres. (You may check "Yes" if this item does <u>not</u> apply.) |
| <input type="checkbox"/> | <input type="checkbox"/> | 4. Track, evaluate and report to DNR the status of erosion control and storm water permit activity. |

If all items (1-4) above are checked "Yes," go on to part B. Otherwise, stop here.

| Yes | No | B. Local Enforcement Program (factor .15) |
|--------------------------|--------------------------|--|
| <input type="checkbox"/> | <input type="checkbox"/> | 1. There is a storm water management ordinance in effect for new development and re-development in the project area. |
| <input type="checkbox"/> | <input type="checkbox"/> | 2. The local regulation requires a written storm water plan. |

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TRM Grant Project Name

Manure Storage Abandonment's - Upper Big Eau Pleine Watershed**Part IV. Eligibility for Multipliers (continued)****If items B.1. and B.2. are checked "Yes," go on to part B.3. Otherwise, stop here.**

3. Check the box next to any of the listed non-agricultural performance standards if there is a local regulation currently in place that requires compliance with that performance standard. (An item may be checked "Yes" only if the minimum applicability requirements of NR 151.12 are met.) (check all that apply)

| Yes | No | Non-Agricultural Performance Standards | Wis. Adm. Code |
|--------------------------|--------------------------|---|-----------------|
| <input type="checkbox"/> | <input type="checkbox"/> | a. Reduce total suspended solids per | NR 151.12(5)(a) |
| <input type="checkbox"/> | <input type="checkbox"/> | b. Reduce peak flow discharge per | NR 151.12(5)(b) |
| <input type="checkbox"/> | <input type="checkbox"/> | c. Achieve infiltration per | NR 151.12(5)(c) |
| <input type="checkbox"/> | <input type="checkbox"/> | d. Protect riparian areas per | NR 151.12(5)(d) |
| <input type="checkbox"/> | <input type="checkbox"/> | e. Manage fueling and vehicle maintenance areas per | NR 151.12(5)(e) |

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

An Authorized Representative must sign and date the application form prior to submittal to the DNR. All four copies must include original signatures of the Authorized Representative.

I certify that, to the best of my knowledge, the information contained in this application and attachments is correct and true.

Signature of Authorized Representative

Date Signed

Ed Hammer Director, Conservation Planning & Zoning*[name and title]*Telephone Number **715-261-6000**Fax Number **715-262-6016**E-Mail Address **Ed.Hammer@mail.co.marathon.wi.us**Mailing Address **210 River Dr Wausau WI 54403**

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

- One copy of the completed application form (DNR Form 8700-300 (R 1/07)) with [original signature in blue ink](#)
- Three additional copies of the completed, signed application form
- One electronic copy of the completed application form on CD or diskette

All application materials must be postmarked by midnight April 16, 2007.

Send to: Department of Natural Resources

Attn: Kathy Thompson, WT/2

P.O. Box 7921

Madison, WI 53707-7921

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Manure Storage Abandonment's – Upper Big Eau Pleine Watershed

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B. Project Location (Continued)

| Landowner Name | Minor Civil Division Name (township name) | Township (T) | Range (R) | Section | Quarter | Quarter - Quarter | Latitude (N) | Longitude (W) |
|-------------------------|--|---------------------|------------------|----------------|----------------|--------------------------|---------------------|----------------------|
| Noah Borntreger | Frankfort | 28(N) | 3(E) | 13 | SW | SE | N44 54' 12.6" | W90 5' 28.1" |
| Thomas Busse | Johnson | 29(N) | 3(E) | 21 | SE | SE | N44 58' 29.4" | W90 8' 27.0" |
| Claudia & Dan McPherson | Wien | 28(N) | 4(E) | 29 | NW | NE | N44 53' 11.2" | W90 3' 31.1" |
| Ron Schmitt | Hull | 28(N) | 2(E) | 30 | SW | SW | N44 52' 32.9" | W90 18' 44.9" |
| David Weber | Eau Pleine | 27(N) | 3(E) | 12 | NE | NE | N44 50' 27.3" | W90 4' 50.3" |
| Thomas Zuelke | Eau Pleine | 27(N) | 3(E) | 13 | NE | NW | N44 49' 40.5" | W90 5' 6.9" |
| Alvin Zugier | Holton | 29(N) | 2(E) | 18 | NE | SE | N44 59' 54.2" | W90 18' 1.9" |
| Daniel Beery | Johnson | 29(N) | 3(E) | 23 | NW | NW | N44 59' 13.5" | W90 7' 0.8" |