

Notice: Application is hereby made to the Wisconsin Department of Natural Resources, Bureau of Watershed Management for grant assistance consistent with s. 281.66, Wis. Stats., and Chapter NR 155, Wis. Adm. Code. Collection of this information is authorized under the authority of s. 281.66, Wis. Stats. The information contained in this form will be used for program budget analysis and project evaluation in the Urban Nonpoint Source Water Pollution Abatement and Storm Water 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)

Dousman, Village of

Name of Authorized Representative (First, Last) Bartley Zilk			Name of Governmental Contact Person (First Last) (if different) Gary Stephan		
Title Village President			Title Water Works and Public Works Manager		
Area Code + Telephone Number (262) 965-3792			Area Code + Telephone Number (262) 965-3302		
Area Code + Fax Number (262) 965-4286			Area Code + Fax Number (262) 965-4286		
E-Mail Address dousman@wi.rr.com			E-Mail Address		
Mailing Address - Street or Route 118 South Main Street			Mailing Address - Street or Route 118 South Main Street		
City Dousman	State WI	Zip Code 53118	City Dousman	State WI	Zip Code 53118

Consulting Firm Name (if applicable)

Ruekert/Mielke

Consulting Contact Person Name

Gerry Powell

Title

Project Engineer

Area Code + Telephone Number

(262) 542-5733

Area Code + Fax Number

(262) 542-5631

E-Mail Address

GPowell@Ruekert-Mielke.com

Mailing Address - Street or Route

W233 N2080 Ridgeview Parkway

City

Waukesha

State

WI

Zip Code

53188

DNR Use Only

Project Information

A. Project Name

Village of Dousman Storm Water Management Plan

This document was drafted by the Department of Natural Resources.

**UNPS&SW Planning Program Grant Application –
CY 2008 Funding**

Form 8700-299A (R 1/07)

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UNPS&SW Grant Project Name

Village of Dousman Storm Water Management Plan

Project Information (continued)

B. Project Area Location

County: Waukesha

Minor Civil Division (city, village, town, etc.-example: Wrightstown, Village of)	Township (N)	Range (E/W)	Section
Dousman, Village of	6N	17E	3

Please identify the latitude and longitude of a point located approximately in the center of the planning area, and select the "Method for Determining" the center point.			
			Method for Determining (check one)
			<input type="checkbox"/> GPS
			<input checked="" type="checkbox"/> DNR WebView or Surface Water Data Viewer
			<input type="checkbox"/> Other (specify):
	Degrees	Minutes	Seconds
Center Point Latitude (N)	43	0	48N
Center Point Longitude (W)	88	28	25W

C. Project Summary and Description

See Attached page 12.

D. Watershed and Waterbody (see Attachment A)

Watershed Name	Township Name (for respective Town/Range/ Section, listed above)	Watershed Code (for respective Town/Range/ Section, listed above)	% of Project Area (for respective Town/Range/ Section, listed above)	Primary Waterbody (for respective Town/Range/Section, listed above)
Bark River	Dousman, Village of	LR13	100 %	Bark River
			%	

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Village of Dousman Storm Water Management Plan

Project Information (continued)

			%	
			%	
			%	

Note: The planning project area can include more than one watershed. Do not submit separate applications for the same activity in each watershed.

Part I. Screening Requirements

Yes No **A. Map**



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

B. Planning Activities For Which DNR Funding Is Requested (check all that apply)



Storm water management planning (including plans for new and/or existing development).



Ordinance development and administration (including construction site erosion control and/or storm water management).



Evaluation and/or establishment of local financing options (such as storm water utilities).



Public education and outreach.



Other (specify):

(see **Attachment D** for additional planning activity information)

Yes No **C. Filters**

Note: You must be able to answer "Yes" to each of the following to be eligible for a grant.



1. Project is in an area that is urban or will be urban within 20 years. (see **Attachment B**)



2. Project will be completed within 24 months of the start of the grant period.



3. Staff and consultants designated to work on this project have adequate training, knowledge, and experience to implement the proposed project.



4. Staff or contractual services, in addition to those funded by this grant, will be provided if needed.



5. Planning products prepared under this grant will not work at cross-purposes to (are consistent with) non-agricultural performance standards under ch. NR 151. (see **Attachment E**)



6. 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
Maureen McBroom	3/29/07	Storm Water Management Plan



7. Can you declare that at least one of the two statements below is TRUE?

Statement A. The grant application is for a local governmental unit that does have jurisdiction over the project area. (Jurisdiction over the project area means that the governmental unit has control over whether the planning recommendations are carried out.)

Statement B. The applicant does not have jurisdiction over the project area. The applicant is required to obtain a permit under subchapter I of ch. NR 216. Attached to this application is an intergovernmental agreement that meets the requirements of **Attachment H**.



8. Can you declare that at least one of the two statements below is TRUE?

Statement A. The applicant is not the University of Wisconsin Board of Regents.

Statement B. The applicant is the University of Wisconsin Board of Regents **and** the project will develop recommendations for a UW Campus area located in a municipality that meets **both** of the following criteria:

- The municipality is required to obtain a municipal storm water permit under ch. NR 216;
- The municipality is located either in a priority watershed or lake area identified under s. 281.65, Wis. Stats., or in an area of concern as identified by the International Joint Commission under the Great Lakes Water Quality Agreement.

If the governmental unit answered "No" to any of the items in Question C. above, stop here. This project is ineligible.

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: See Attached page 13.

Milestone	Target Completion Date (month/year)	Source of Staff
Prepare preliminary scope of services and discuss with DNR NPS Coordinator		
Prepare Request for Proposal		
Select Consultant		
Finalize Scope of Service and Professional Services Contract		
Get DNR Approval of Professional Services Contract		
Hold "kick-off" meeting		
Additional Milestones: (list below)		
Interim Meeting with DNR		
Presentation to Municipal Council		
Submit project and final report to DNR		

B. Adequate Financial Budget

Provide the following information for the project.

The state share may not exceed 70% of eligible costs. The grant amount is capped at \$85,000 for the eligible planning activities.

FINANCIAL BUDGET TABLE – PLANNING ACTIVITIES

A	B	C
Project Activity for which DNR Funding is Requested	Estimated Total Cost (\$)	Amount from Column B Eligible for DNR Cost Sharing (\$)
Existing System Inventory	\$5,000	\$5,000
Develop Storm Sewer Map	\$10,000	\$10,000
Describe Existing Management Programs	\$3,000	\$3,000
Evaluate Existing Public Works Facilities	\$4,000	\$4,000
Erosion Control and Storm Water Ordinance Review and Updates	\$6,000	\$6,000
Public Education and Participation Programs	\$6,000	\$6,000
Water Quality Analysis	\$20,000	\$20,000
Wellhead Quality Improvements	\$5,000	\$5,000
Water Quality Improvements	\$10,000	\$10,000
Develop Illicit Discharge Program and Ordinance	\$4,000	\$4,000
Fiscal Analysis	\$6,000	\$6,000
Implementation Plan	\$5,000	\$5,000
Report and Presentation to Village Board	\$5,000	\$5,000
1. Total	\$89,000	\$89,000

UNPS&SW Grant Project Name

Village of Dousman Storm Water Management Plan

Project Information (continued)

Cost-Sharing Worksheet

Eligible Costs:

2. 70% of column C, Total (1) above

\$62,300

Cap Test:

3. Maximum State Share [Lesser of (2) or \$85,000]

\$62,300

State & Local Share:

4. Requested State-Share Amount (=Requested Grant Amount)

\$62,300

5. Local-Share Amount [Total (1), column B less (4)]

\$26,700

Describe the Quality of Cost Estimates (in your description, discuss whether the cost estimate is based on a competitive bid, scope of services, similar projects conducted locally, similar projects conducted elsewhere in the state or region, or other more generalized data):

Cost estimates were based on the attached draft scope of services and average cost data for similar tasks within the Village and the Southeastern Wisconsin Region.

Question 2. Project Evaluation Strategy

Yes No Information that will be developed and presented to DNR to evaluate the environmental benefits of completing this project. (check all that apply)



A. Information that quantifies how project implementation is projected to decrease storm water impacts on state waters will be provided to DNR. The information may be provided as part of the planning product (e.g., storm water plan, I&E plan) or in the Final Report.

B. Tracking



1. Information that tracks progress in carrying out recommendations of this project will be provided to the Department for one (1) to two (2) years after the project is completed.

2. Specify the number of years that tracking information will be provided, and describe in concept how this annual post-project tracking process will work:

See Attached page 14.

Question 3. Evidence of Local Support

Yes No The level of local support that currently exists for the proposed project.

A. **Government**



1. The local-share funds for the project expenses are already included specifically in an adopted budget.
OR



2. The local-share funds for the project expenses are or will be included in a proposed budget.

B. **Community**



1. There is community support specifically for the project in this application, and evidence of this support is included with the application submittal.

UNPS&SW Grant Project Name

Village of Dousman Storm Water Management Plan

Project Information (continued)

OR

- ☐ ☐ 2. There is community support for addressing general water resource needs in the community, even though there may not be evidence of support for this specific project.

Question 4. Basin Priorities (check one)

- ☒ **A. Clean Water Act s. 303(d) List**
Project with water quality goals directly dealing with a water body (lake or stream) on the latest Clean Water Act (CWA) s. 303(d) List of Impaired Waters, where the cause of the impairment in nonpoint source pollution and the project will reduce the type of nonpoint 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 or 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 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. Not Included in Other Categories Above**
50% or more of the planning area is not included in the categories above (A-F).

Part III. Competitive Elements

Question 5. Water Quality Needs

For each watershed in the project area, identify the category that best identifies the project goals. If more than one category is checked (because the project area contains more than one watershed), estimate the portion of the project area to be assigned to each category.

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.

Percent of Project Area	Surface Water Considerations
<input checked="" type="checkbox"/> 100%	A. 303(d) Listed Waterbody Project with water quality goals directly dealing with a water body (lake or stream) on the latest Clean Water Act (CWA) s. 303(d) List of Impaired Waters, where the cause of the impairment in nonpoint source pollution and the project will reduce the type of nonpoint pollutants for which the water is listed.
<input type="checkbox"/>	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.
<input type="checkbox"/>	C. Threatened Waterbody A waterbody (lake or stream) viewed as "threatened" by nonpoint sources in a DNR State of the Basin report.
<input type="checkbox"/>	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."
<input type="checkbox"/>	E. Surface Water Quality Prevention of degradation of surface water quality due to nonpoint sources. Waters in this category are neither high quality, recreationally significant waters nor "threatened" waters.
<input type="checkbox"/>	Groundwater Considerations*
<input type="checkbox"/>	F. Exceeds Groundwater Enforcement Standard Groundwater within the project area where representative information indicates that stormwater pollutants in groundwater exceed the Enforcement Standard (ES).
<input type="checkbox"/>	G. Groundwater Quality (see Attachment G) The project area is within a geological area defined in Attachment G as susceptible to groundwater contamination.
<input type="checkbox"/>	H. Exceeds Groundwater Preventive Action Limit Groundwater within the project area where representative information indicates that stormwater pollutants in groundwater exceed the Preventative Action Limit (PAL).

*Consult the Regional Drinking Water and Groundwater Specialist or the County Extension office.

Bonus Points (see Attachment F):

Yes	No	
<input checked="" type="checkbox"/>	<input type="checkbox"/>	Water quality goals relate to the control of nonpoint source contaminants in public drinking water supplies.
<input checked="" type="checkbox"/>	1.	If yes, and the source of drinking water affected by the project area is <u>groundwater</u> , the project protects:
<input type="checkbox"/>	a.	One wellhead
		OR
<input type="checkbox"/>	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 in which the project is located. If more than one assessment area is checked (because the project area contains more than one watershed), estimate the portion of the project area to be assigned to each category.

<u>Source Water Drainage Area</u>	<u>Portion of Project in Assessment Area (%)</u>
<input type="checkbox"/> Pike River & Creek	
<input type="checkbox"/> Root River	
<input type="checkbox"/> Oak Creek	
<input type="checkbox"/> Milwaukee River	
<input type="checkbox"/> Sauk Creek	
<input type="checkbox"/> Sheboygan & Onion Rivers	
<input type="checkbox"/> Manitowoc River	
<input type="checkbox"/> Twin Rivers	
<input type="checkbox"/> Kewaunee & Ahnapee Rivers	
<input type="checkbox"/> Menominee River	
<input type="checkbox"/> Fish Creek	
<input type="checkbox"/> St. Louis & Nemadji Rivers	
<input type="checkbox"/> Lake Winnebago	

Question 6. Extent of Pollutant Control

A project can consist of one or more of the following parts (A-F). For each part below, check the boxes that describe work products that will be produced under this grant. Do not check boxes based on prior work.

A. Ordinances

The project will develop or complete one or more of the following ordinances, including associated information, education and public participation activities. (check all that apply)

- ☒ 1. Construction erosion control ordinance including all the requirements of s. NR 151.11.
- ☒ 2. Storm water ordinance for new development and re-development including all the requirements of s. NR 151.12.
- ☐ 3. Low impact development/conservation subdivision ordinances.
- ☒ 4. Other ordinances such as an illicit discharge ordinance, storm water ordinances affecting runoff from developed urban areas (e.g., pet waste management ordinances, nutrient management ordinances), or ordinances that regulate the application of fertilizers to non-municipal properties in accordance with NR 151.14

B. Financing Mechanisms

The project will evaluate financing mechanisms for storm water management, including associated information, education and public participation activities. Recommendations will be presented to the governing board for approval and DNR will be notified of the governing board's action. (check one of the following)

- ☐ 1. The project develops a dedicated revenue source, such as a storm water utility, to implement a storm water program focusing on implementation of performance standards in Subchapter III of ch. NR 151.

OR

- ☒ 2. The project is a general feasibility analysis of alternative funding mechanisms.

C. Storm Water Plan for Developed Urban Areas

The project will develop a storm water management plan for developed urban areas that addresses all of the performance standards under s. NR 151.13 including associated information, education and public participation activities. (check one of the following)

- ☒ 1. This project will cover the entire geographic area of the governmental unit.

OR

- ☐ 2. This project will cover only part of the geographic area of the governmental unit.

D. Storm Water Plan for New or Redevelopment

The project will develop a storm water management plan for new development and re-development that addresses all of the performance standards under s. NR 151.12 including associated information, education and public participation activities. (check one of the following)

- ☒ 1. This project will cover the entire geographic area of the governmental unit.

OR

- ☐ 2. This project will cover only part of the geographic area of the governmental unit.

UNPS&SW Grant Project Name

Village of Dousman Storm Water Management Plan

Project Information (continued)

- E. Information & Education Program**
☒ The project will develop and/or implement an information and education program. (This does not include the information and education activities required as part of project under A. through D., above.)
- F. Inter-Municipal Cooperation (bonus)**
☐ This project is being conducted as part of an inter-governmental storm water management strategy for a common water resource. Describe the inter-governmental effort that will be used to complete the project. If more than one local unit of government is joining in this project application, (a "joint application"), then an inter-governmental agreement meeting the requirements of **Attachment H**. must be submitted with this application.

Question 7. Consistency with Resource Management Plans

Yes No

A. Consistency with Resource Management Plans

- ☒ ☐ The project implements a water quality recommendation specifically included in a locally approved resource management plan. (See Attached page 15-16)

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

- ☐ ☒ 1. A construction site erosion control ordinance consistent with the performance standards of s. NR 151.11.

- ☐ ☒ 2. A storm water management ordinance consistent with the performance standards of s. NR 151.12.

Question 8. Use of Additional Funding

Yes No

- ☐ ☒ Funding requested is below the 70% cost-share rate and below the \$85,000 cap.

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.

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.

Local Implementation Program (select all that are in place as of the application submittal date)

Yes No NA

- ☒ ☐ A. The governmental unit is implementing a pollution prevention information and education program targeted for property owners and other residents.
- ☐ ☐ ☒ B. The governmental unit is implementing a nutrient management plan for municipally owned properties of at least five (5) acres of pervious area where nutrients are applied.
- ☒ ☐ C. The governmental unit is tracking storm water permitting activity (construction and post-construction) in the governmental unit and can make summary information available to the DNR upon request.

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.

See Attached pages 16-20

Applicant Certification

An Authorized Representative must sign and date the application form prior to submittal to the DNR. All **four (4)** copies must include the signature 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

Telephone Number 965-3712

E-Mail Address

Mailing Address 118 South Main St. Dousman, WI 53118

Village President

[Name and title]

Fax Number

4-11-07

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 signed copies of the completed 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.

Mail to: Department of Natural Resources
attn: Kathy Thompson, WT/2
P.O. Box 7921
Madison, WI 53707-7921

Project Information

C. Project Summary and Description

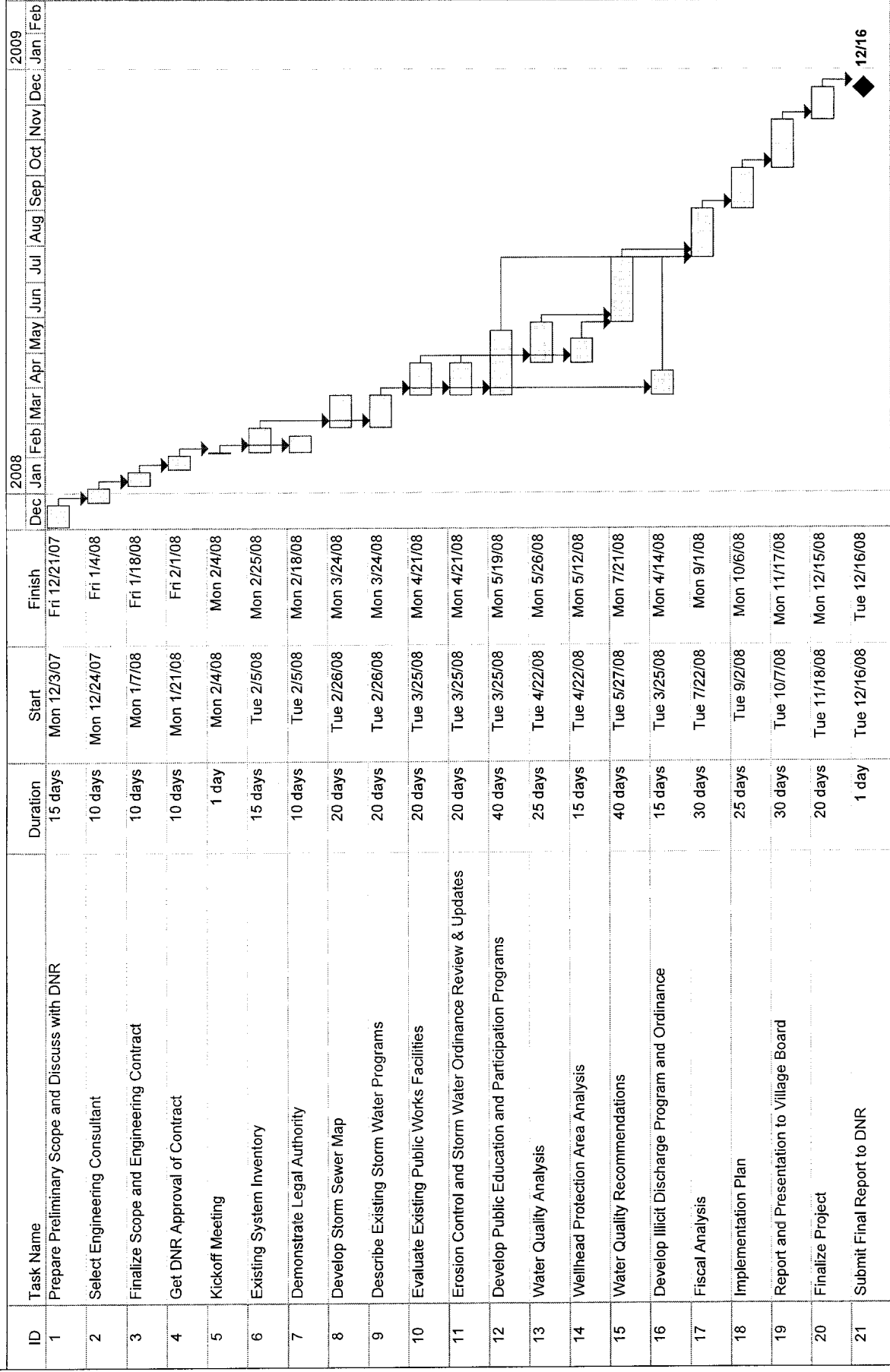
The Village of Dousman is applying for UNPS and SW Planning Program Funding for a Comprehensive Storm Water Management Plan to detail existing and proposed storm water quality conditions and recommended improvements. The Village of Dousman seeks to protect and improve water quality of the Bark River Watershed, of which the Village is a part. The Bark River is listed as a 303 (d) water body. Protecting and improving this valuable resource is a priority for both the Village and its constituents.

One of the first steps towards preservation and protection of these resources is to complete a storm water management plan. The successful implementation of a comprehensive storm water management program will result in a significant improvement of water quality throughout the Village and the watershed in which it is located. This plan is designed to be an effective planning tool for existing conditions and future development and redevelopment. The Village is taking a proactive approach toward storm water management and the plan will facilitate implementation of the Village's WPDES Storm Water Permit. The scope of the study will include 1) examination of existing storm water and water quality conditions; 2) performance of a water quality analysis for the entire Village using the Source Loading and Management Model (SLAMM); 3) development and analysis of alternatives to produce a recommended plan meeting the Village's goals and the requirements of the WPDES Permit; 4) evaluation of existing ordinances for water quality goals; 5) development of public education and involvement programs; 6) development of an illicit discharge detection and elimination program and ordinance; 7) analysis of existing municipal operations for permit compliance; 8) examination of water quality in wellhead protection areas including alternative analysis and recommendations; 9) prioritization and performance of a fiscal analysis of the recommended improvements; and 10) completion of a report summarizing the findings and recommendations of the plan.

Village of Dousman

Storm Water Management Plan

Timeline and Source of Staff



Part II

Question 2. Project Evaluation Strategy

A. Evaluation

The Storm Water Management Plan will demonstrate how implementation of the recommended plan will decrease pollutant loadings to the Bark River and will be submitted to the Department. A copy of the final report demonstrating the positive impact to the local waterways will be provided to DNR.

The tracking strategy for this project seeks to ensure the timely implementation of the recommendations outlined in the Storm Water Management Plan. The implementation of the Plan will be tracked to verify that the Village is following the recommendations of the Plan and is in compliance with their WPDES permit. The Village will submit annual reports to the Department for two years following completion of the study to inform the Department of the schedule and results of all proposed control measures. Items to be tracked include procedures and facilities implemented and their associated costs and measured results during the previous year, anticipating activities to be completed in the upcoming year and any quantitative water quality sampling to demonstrate effectiveness. In summary, the tracking will monitor the Village's progress towards its measurable goals developed as part of the planning effort.

Question 3. Evidence of Local Support

A. Government

A letter from Village President Bartley Zilk demonstrates the Village's commitment to include the local-share portion in its 2008 proposed budget. A copy of the letter is attached to the application.

B. Community

The Storm Water Management Plan has received support from the Rock River Coalition. Copies of the letter of support are attached to the application.

Part III

Question 7. Plans and Regulations

A. Consistency with resource management plans

The Bark River Watershed Management Plan, 2002 (PUBL WT-668b-2002) identifies development as a stressor to the watershed. The report recommends that municipalities adjacent to the Bark River should enforce construction site erosion and storm water management ordinances and implement farm conservation plans to minimize sediment delivery to the Bark River. The plan further recommends that DNR staff work with municipalities in the watershed to apply for funding through the TRM or Urban Nonpoint Pollution grant programs to develop storm water management plans and install practices that control urban storm water impacts.

The *Waukesha County Land and Water Resource Management Plan 2006-2010* also contains recommendations that the City will examine as a part of the proposed storm water management plan. The following goals and objectives listed in Chapter III of the Waukesha County plan will be implemented as a part of the proposed storm water management plan:

1. Goal 1: Control Urban Runoff Pollution and Flooding
 - a. Objectives:
 - i. Improve consistency and effectiveness of storm water ordinance implementation
 - ii. Clarify infiltration and soil testing requirements
 - iii. Improve maintenance plans and agreements for storm water practices
 - iv. Encourage innovative BMPs for erosion control & storm water management
 - v. Encourage practices that treat storm water as an asset
 - vi. Control runoff from existing developments
 - vii. Promote stream and wetland buffers
2. Goal 2: Minimize Impacts of Land Development on Water Resources
 - a. Objectives:
 - i. Promote and demonstrate watershed protection planning
 - ii. Work towards the protection of outstanding/exceptional resource waters
 - iii. Promote low impact development
3. Goal 3: Protect the Quality and Quantity of Groundwater
 - a. Objectives:
 - i. Encourage protection of groundwater recharge areas
 - ii. Minimize the impacts on groundwater of nutrients, pesticides and road salt contained in storm water runoff
4. Goal 5: Inform and Educate Children and Adults about Conservation Issues
 - a. Target Audiences / Key I/E Topics

Village of Dousman Storm Water Management Plan

- i. Homeowners & general public/Nonpoint source pollution, groundwater & water conservation, public health impacts of pollution, and exotic species control
 - ii. Rural land owners & Farm operators / Agricultural performance standards, erosion control, animal waste & nutrient management, buffers, wetland restoration and soil survey use
 - iii. Builders, developers & engineers / Storm water management & erosion control, native plantings & management, exotic species control and conservation subdivisions
 - iv. Schools & youth groups / Groundwater & water conservation, nonpoint pollution, rain gardens, Green Schools, recycling, water quality monitoring
 - v. Lake groups & riparian property owners / Nonpoint pollution, value of shoreline buffers and how to best manage them, and exotic species control
- 5. Goal 7: Monitor Water Quality/Flow of Local Lakes and Streams
 - a. Objectives
 - i. Encourage and promote volunteer citizen monitoring efforts
 - ii. Promote agency monitoring, stream gauges and data sharing

Optional Additional Information

According to the *State of the Basin Bark River Watershed Management Plan* recent development in the area has had a substantial impact on many waterways within the watershed. As a result the DNR has listed the Bark River as 303d listed water body.

The Village of Dousman is committed to preserving and protecting all water bodies and waterways within its borders for future generations. The Village realizes the imminent importance of controlling the effects of new development and retrofitting areas of existing development on the fragile environment of all water bodies and waterways within the Village and the watershed.

The development of a Village-wide Storm Water Management Plan and the implementation of revised construction and post construction storm water ordinances will ensure that storm water runoff from existing and future development is controlled, thus reducing sediment, nutrient, and pollution loadings from the Village.

Additional Information on Storm Water Management Plan Activities

The Village of Dousman is requesting technical assistance for the following activities:

- **Existing System Inventory.** Define all basins and sub-basins within the study area based upon existing 1" = 200' scale topographic maps. The sub-basins shall be delineated to represent areas draining to major outfalls and as needed to evaluate the adequacy of existing and future system components.

Characterize the climate of the study area including temperature, precipitation, snow cover and frost depth.

Map and characterize the soils within the study area. This will include general soil properties in each sub-basin, and the areas covered by each of these groups.

Define, map, and characterize wetland and other environmentally sensitive locations within the study area based upon available information.

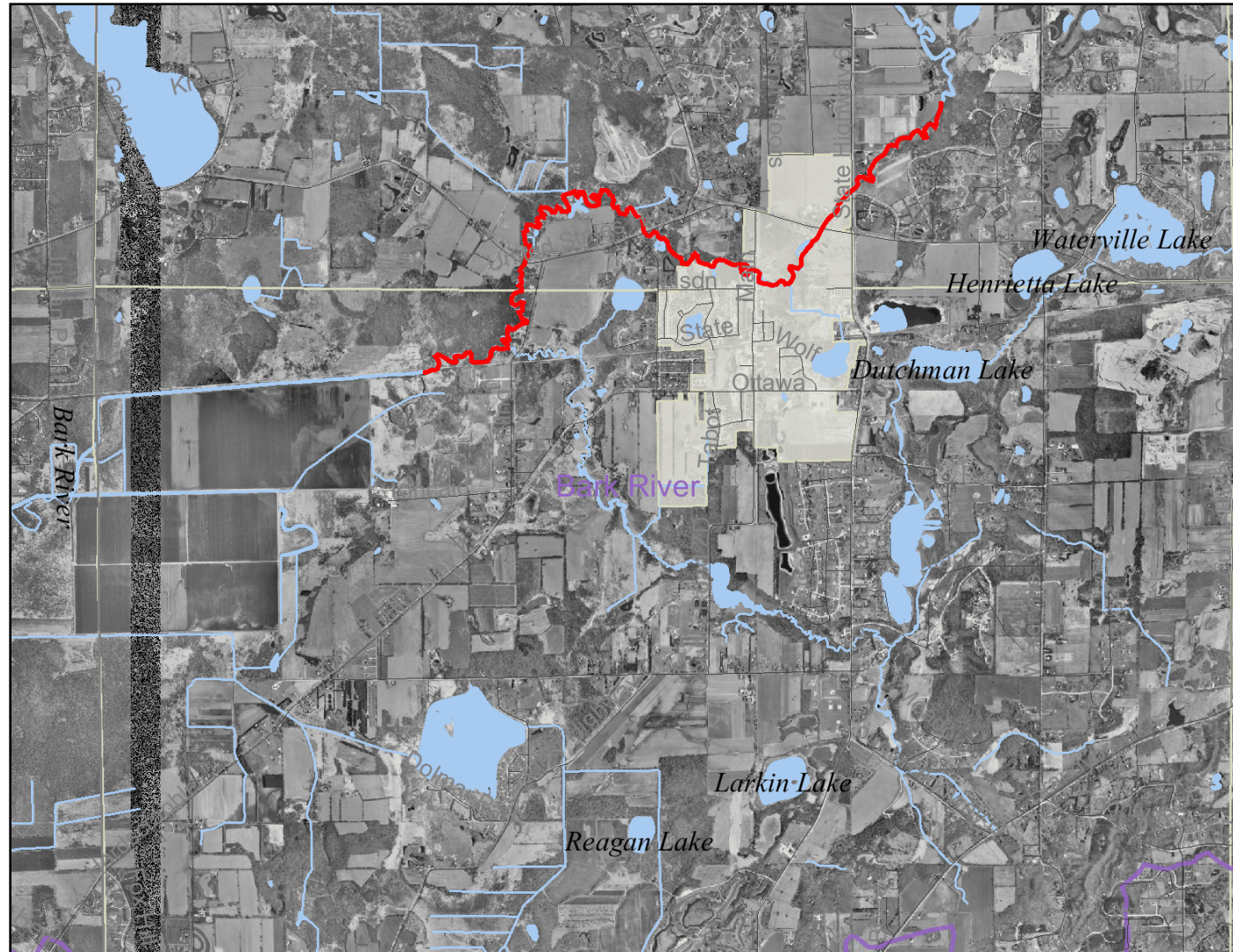
Identify and define historic local water quality problems within the study area based upon information provided by Village staff and officials.

- **Demonstrate Adequate Legal Authority.** Research existing legal constraints, institutional agreements and ordinances that may impact storm water drainage and nonpoint source pollution controls within the study area. Propose ordinance changes to provide adequate legal authority to implement the recommended storm water management plan and meet the requirements of NR 216.

- **Develop a Storm Water System Map.** Develop a storm sewer system map based upon existing and GPS located digital storm sewer, cadastral, and land use and topographical maps to meet the requirements of NR 216. Identify watershed boundaries, storm sewers, ditches, swales and other conveyance or storage components. Identify the final urban storm water planning area. List and locate all known municipal storm water outfalls discharging to waters of the state and classify the outfalls as major or minor. Locate and describe currently operating or closed municipal landfills, WPDES permit holders, storm water structural controls and publicly owned parks, recreational areas and other open lands.
- **Describe Existing Management Programs.** Describe existing management programs to control pollutants from municipal separate storm water systems.
- **Discharge Characterization.** Provide a characterization of the quality and quantity of storm water runoff and the effect this runoff has on receiving bodies of water based on existing data and conditions. The characterization will meet the requirements of NR 216 and will include monthly mean rain and snowfall estimates, frost depth, location and description of land use activities including runoff coefficients and population densities, projected 10-year population growth, existing qualitative discharge data, and a list of receiving water bodies with known water quality impacts.
- **SLAMM Analysis.** Utilizing the WDNR Source Loading and Management Model (SLAMM), calculate annual pollutant loadings within the study area in accordance with NR 151, NR 216 and the Village's WPDES permit. Provide calculations under existing and fully developed land use for the following pollutants: total suspended solids, total phosphorus, cadmium, copper, lead, and zinc. Also, calculate total suspended solids reduction under existing land uses with no storm water controls, existing controls, and examine alternatives to reach 20% and 40% sediment reduction goals.
- **Water Quality Improvements.** Recommend both structural and non-structural best management practices to improve water quality and meet the requirements of NR 151, NR 216 and the Village's WPDES permit. Recommendations are expected to include structural practices, implementation of construction and post construction best management practices, implementation of construction and post construction ordinances, development of information and education programs and improvements to municipal projects and procedures designed to improve water quality.
- **Illicit Discharge Program.** Develop an illicit discharge and elimination program and ordinance to meet the requirements of NR 216 and the Village's WPDES permit.

- **Fiscal Analysis.** Conduct a fiscal analysis of the estimated capital and operation and maintenance expenditures to implement the proposed management programs. Describe potential funding sources, including a storm water utility and outline potential annual budgets.
- **Implementation Plan.** Develop an implementation plan to construct the recommended improvements within a specified schedule.
- **Public Education and Participation Program.** Develop a public education and participation program to involve the community in improving the quality of the local waterways in accordance with the Village WPDES permit. Anticipated activities may include direct mailings, demonstration project, partnerships with local environmental and/or youth groups, storm clean up days, guest speaking engagements at local shows and many other activities.
- **Evaluate Existing Public Works Facilities.** Conduct an evaluation of existing public works facilities, programs and procedures for impacts on water quality. Include a review of the current deicing management, street sweeping, facility maintenance, spill response, development review, and associated programs.
- **Groundwater Recharge Analysis.** Conduct an analysis of the potential for groundwater aquifer contamination via surface water runoff pollution. In particular, areas in and around wellhead protection regions will be examined.
- **Report.** The consultant will prepare a written report summarizing the findings and recommendations of the study. Village staff will review the report and revisions will be made as necessary. Following the approval of the report by Village staff, the consultant will make a presentation of the study findings to the Village Council.

Village of Dousman Storm Water Management Plan



Legend

- Impaired Waters Lines
- Impaired Waters Areas
- 24K County Boundaries
- Local Roads
- 24K Watersheds
- Civil Towns
- Civil Town
- 24K Open Water
- 24K Rivers and Shorelines
- Cities and Villages
- Village
- City

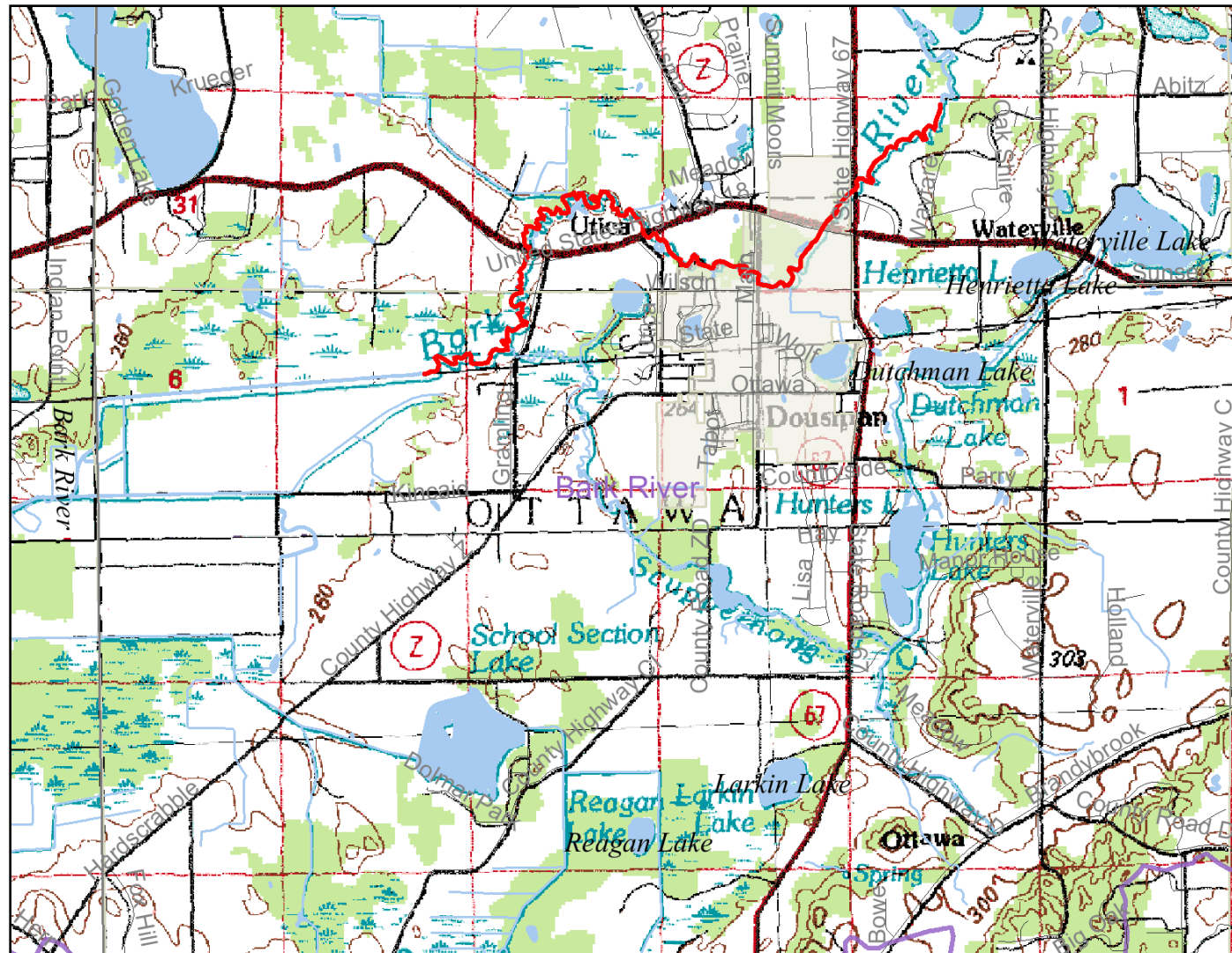
0 5500 11000 16500 ft.



Scale: 1:56,656

This map is a user generated static output from an Internet mapping site and is for general reference only. Data layers that appear on this map may or may not be accurate, current, or otherwise reliable. THIS MAP IS NOT TO BE USED FOR NAVIGATION.

Village of Dousman Storm Water Management Plan



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**VILLAGE OF DOUSMAN
118 S. MAIN STREET
DOUSMAN, WISCONSIN 53118**

April 5, 2007

Maureen McBroom
141 N.W. Barstow St.
Waukesha, WI 53188

RE: Urban Nonpoint Source Water Quality Grant

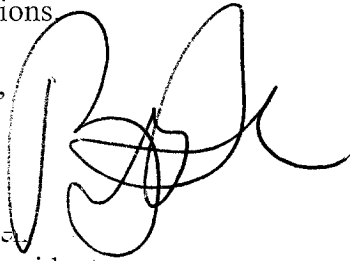
Dear Ms. McBroom:

The Village of Dousman is committed to protecting the diverse array of natural resource features located within the Village's borders. This commitment is vitally important when extended to the Bark River. Recently, the Village Board directed Ruekert-Mielke to apply for a DNR Urban Nonpoint Source and Storm Water Planning Grant. The purpose of the application is to seek financial assistance for creating a Storm Water Management Plan.

The Village is experiencing developmental pressure, which makes storm water management a critical issue. The creation of a Village-wide Comprehensive Storm Water Management Plan is the next logical step. As a result, the Village is committed to funding the planning grant and will include the local-share portion of its proposed 2008 budget.

Thank you for your consideration of our application. Please feel free to contact me with any questions.

Sincerely,

A handwritten signature in black ink, appearing to be 'Ruekert-Mielke', written over the word 'Sincerely,'.

1824 1-1-07
Village President



Our Mission:

"To educate and provide opportunities for people of diverse interests to work together to improve the environmental, recreational, cultural, and economic resources of the Rock River Basin"

April 12, 2007

Ms. Maureen McBroom
Southeast Region Wisconsin Department of Natural Resources
141 N.W. Barstow St.
Waukesha, WI 53188

Re: Letter in Support of the Village of Dousman's Urban Nonpoint Source & Storm Water Planning Grant Program Application

Dear Ms. McBroom,

The Rock River Coalition would like to go on record supporting the Village of Dousman's grant proposal. The Village of Dousman is aiming to complete a Village-wide storm water management plan. The issue of storm water management is very important to the Village not only for the protection of its residents and property within the Village, but also for the protection of the Bark River. This river is currently listed by the Wisconsin Department of Natural Resources as a 303(d) waterway meaning that it is an impaired waterway and does suffer from nonpoint sources of pollution.

As the Village continues to grow and take on new development, it is necessary to have a comprehensive storm water management plan in place that will manage the groundwater that flows into the Bark River. It is important for the Village to put ordinances in place as a part of this planning effort that will require new development to be conscious of storm water management planning. It is also important for the Village to educate the public as part of this planning effort on storm water management and what they as residents of Dousman can do to assist with improving the quality of storm water runoff flowing into the Bark River.

The Rock River Coalition's Storm Water Issue Team has been encouraging communities to focus attention on stormwater planning and this effort is important to an increasingly developing part of the basin and to the protection of the Bark River.

Thank you for your consideration of your grant proposal.

Sincerely,

A handwritten signature in dark ink, appearing to read "Joe Dorava", is written over a light blue horizontal line.

Joe Dorava, RRC President