

NOTICE: This document is required under s. 281.66, Wis. Stats., and chs. NR 154 and 155, Wis. Adm. Code. A final project report must be submitted as part of the final reimbursement request. Personally identifiable information contained in this form will be used for determining reimbursement eligibility in the Urban Nonpoint Source & Storm Water Management Grant Program and will not be used for any other purpose.

Planning Grant – Urban Nonpoint Source & Storm Water Management Program

INSTRUCTIONS: Send the completed, electronic copy of this form and all attachments to the Department of Natural Resources (DNR) Regional Nonpoint Source Coordinator. Please read all instructions prior to completing the form.

Project Information	
Governmental Unit Name Village of Hartland	Grant Number USP-LR13-67136-15
Project Name Storm Water Management Plan	
Project Contact Name Mike Einweck	Phone Number (262) 367-4880
E-mail Address mikee@villageofhartland.com	
Project Location Information Additional locations may be added to the project at [+].	
County Waukesha	Watershed Name Bark River Watershed
12-Digit HUC 070900020301	Nearest Receiving Waterbody Bark River
Site Name Village of Hartland	Quarter/Quarter Section Township Range E or W 3 07 18 E
County Waukesha	Watershed Name Bark River Watershed
12-Digit HUC 070900020301	Nearest Receiving Waterbody Bark River
Site Name Village of Hartland	Quarter/Quarter Section Township Range E or W 35 08 18 E

Project Area(s) Additional rows may be added at [+].	
Describe the project area(s) covered by the Planning Grant Product(s) This storm water management plan covers the entire Village of Hartland. The Village covers approximately 4,100 acres, and is mostly developed. A few smaller parcels exist within the Village that may qualify as new development. However, most new development for the Village comes in through annexation at the time of development from the surrounding Town of Merton. (The acreage for possible new development through annexation is unknown at this time.)	
Planning Grant Product(s) Produced	Acres Covered by the Planning Product(s)
	Approximate Center Point of Area Covered
	Existing Developed Urban Acres
	New Development Urban Acres
	Total Acres
	Latitude
	Longitude
Storm Water Management Plan	4,100
	500
	4,600
	43.10677
	-88.33381

Summary of Results		
Products Developed electronic submittal with Final Report	Comments: 1. Identify Documents/Products by Name. 2. Provide summary information. (Narrative space expands.)	Review copy was submitted 60-days in advance
<input checked="" type="checkbox"/> Construction Erosion Control Ordinance	The Village's erosion control ordinance was updated to meet the revised NR 151 requirements.	<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/> Post-construction Storm Water Ordinance - new and re-development	The Village's post-construction storm water runoff ordinance was revised to meet the revised NR 151 requirements.	<input checked="" type="checkbox"/>
<input type="checkbox"/> Low impact development/conservation subdivision ordinance		<input type="checkbox"/>
<input checked="" type="checkbox"/> Other Ordinance	Recommendations to include phosphorus requirements in the post-construction storm water runoff ordinance were passed in a revised	<input checked="" type="checkbox"/>

Final Report
Urban Nonpoint Source & Storm Water Management
Planning Grant

Form 3400-189P (R 7/16)

Products Developed electronic submittal with Final Report	Comments: 1. Identify Documents/Products by Name. 2. Provide summary information. (Narrative space expands.)	Review copy was submitted 60-days in advance
	ordinance in 2017, which included a phosphorus reduction requirement of 30% for new and redevelopment sites.	
<input type="checkbox"/> Financing Mechanism Developed &/or Implemented		<input type="checkbox"/>
<input checked="" type="checkbox"/> Financing Mechanisms Feasibility Analysis	The initial cost of the alternatives necessary to meet the TMDL wasteload allocations was further evaluated to reduce costs through possible grant funding options or piggy-backing practices onto future construction projects. Financing is not currently available to implement the full list of recommended practices, but will be evaluated over time to make incremental progress toward the goals of the TMDL.	<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/> Storm Water Management Plan for Developed Urban Areas	This storm water management plan evaluated existing TSS and phosphorus controls, and evaluated potential new controls to retrofit existing drainage areas. Revised IDDE, pond inspection, erosion control, and storm water ordinance (for redevelopments) and DPW Facility SWPP are all applicable to currently developed areas. Revised MS4-related maps, particularly in GIS, are used regularly in developed areas of the Village.	<input type="checkbox"/>
<input checked="" type="checkbox"/> Storm Water Management Plan for New Development	The Village's revised erosion control and storm water ordinance, the IDDE program, and the pond inspection program are all applicable to areas that will develop and come into the Village in the future. The MS4 map and other mapping and specifically GIS elements will also cover new areas as the Village expands.	<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/> Storm Sewer System Map	The Village's MS4 Map and other exhibits were revised to include TMDL reachshed boundaries, newly installed storm water practices, and recent developments that were previously outside of Village limits. This information was presented in both paper form and updated into the Village's GIS, which is used by staff throughout the Village in many different departments.	<input checked="" type="checkbox"/>
<input type="checkbox"/> Public Education & Outreach and/or Public Involvement & Participation Activities Associated with Project Elements Above		<input type="checkbox"/>
<input type="checkbox"/> Comprehensive Storm Water Information & Education Program Developed/Implemented		<input type="checkbox"/>
<input checked="" type="checkbox"/> Other Urban Planning Activities	Storm Water Pollution Prevention for Public Works Facility	<input type="checkbox"/>
<input checked="" type="checkbox"/> Other Urban Planning Activities	Illicit Discharge Detection & Elimination Program Revision (per DNR Guidance Document)	<input type="checkbox"/>
<input checked="" type="checkbox"/> Other Urban Planning Activities	TMDL Analysis and Recommendations, including discussions with neighboring communities and treatment plan management regarding collaborative solutions to the TMDL. (Many of the neighboring communities have seen rapid growth during the late 90's – early 2000's, when statewide post-construction storm water controls were mandatory. These communities have significantly higher TSS and phosphorus controls in place than the Village, which has areas that have been developed for generations.)	<input type="checkbox"/>
<input type="checkbox"/> Inter-governmental Storm Water Management Project Developed/Implemented		<input type="checkbox"/>

Products Developed electronic submittal	Comments: 1. Identify Documents/Products by Name. 2. Provide summary information. (Narrative space expands.)	Review copy was submitted 60-days in advance
List Governmental Unit(s) Involved		

Storm Water Goals Addressed	Comments	Additional goals may be added at [+]
Reduce TSS	The Alternatives Analysis and Recommended Plan included 19 sites-specific storm water controls that would reduce TSS discharges to the Bark River, its tributaries, and local wetlands.	
Maintain Infiltration	All 19 of the site-specific practices recommended in the Alternatives Analysis and Recommended Plan included an infiltration component. This was purposefully done to control as much phosphorus as possible through infiltration.	
Identify/Eliminate Illicit Discharges	The Village's IDDE program was revised using the DNR's "priority outfall" approach as described in the March 2012 guidance document. This approach focuses the inspection of storm sewer outfalls toward areas where a discharge is more likely to be found, based in part on land use, contributing drainage area, past occurrences of discharges, and complaints.	
Pollution Prevention	The Storm Water Pollution Prevention Plan (SWPPP) for the Village's Public Works Facility was updated to reflect the current practices and inspection results.	
Protective Areas	The post-construction storm water management ordinance was updated to meet the revised requirements of NR 151, including the protective areas designed to protect wetlands and waterways from long-term post-construction storm water runoff impacts. (NR151.125)	
Control of Fueling & Maintenance Areas	The Village's updated SWPP for the DPW Facility addresses the fueling of municipal vehicles in the parking lot. The revised post-construction storm water management ordinance prohibits infiltration from source areas that include fueling and maintenance areas.	
Reduce P Loading to address TMDL goal	The WinSLAMM modeling included existing phosphorus loadings and recommendations to control phosphorus through the 19 recommended practices in the Alternatives Analysis and Recommended Plan. This was done specifically to address concerns of high phosphorus loads in the Rock River Basin, of which the Bark River Watershed is a part. Leaf collection practices and sediment removal was also assessed as part of the phosphorus control activities the Village undertakes on a routine basis.	
Control Peak Flow	The post-construction storm water management ordinance was updated to meet the revised peak discharge requirements found in the revised NR 151. (NR151.123)	

Project Comments		
The governmental unit has approved or adopted the product(s) developed. <input checked="" type="radio"/> Yes <input type="radio"/> No Explain status below.		
Provide a summary of project challenges and accomplishments. Also report the status of the local municipality's acceptance, approval, adoption, or implementation of the products, including ordinances, developed under the grant. (Narrative space expands.) The Village of Hartland undertook this storm water management planning project primarily to address the Rock River TMDL limits, which are implemented through the Village's MS4 permit. The modeling protocol to plan for higher pollutant control as listed in the TMDL was different than the approach that is used strictly for MS4 permit compliance.		

This required the modeling results to be presented to staff and board members for sections of the Village, rather than one set of modeling results that would apply to the overall Village. Better communication and coordination from DNR and with the other communities within the TMDL area may have offered better options for long-term TMDL implementation. Potential adaptive management programs were discussed with the local treatment plant managers, but the plant did not have detailed information on their own compliance plans for the TMDL at that time. Future discussion may occur if potential partners are interested. The Village had a lot of information available to use in the modeling and program update efforts. The erosion control and storm water ordinance was reviewed by the Village Attorney, and was adopted and is now being implemented. The DPW facility SWPPP, the IDDE Program, and the Pond Inspection Program are all being implemented by Village staff.

Final Report Attachments (electronic submittal)

Check the box if the information for the project is attached. If the information was produced under the grant, it is required to be submitted as part of the Final Report.

<input checked="" type="checkbox"/> Planning, ordinance, financing, I&E product(s) developed	<input checked="" type="checkbox"/> GIS mapping information
<input checked="" type="checkbox"/> Load reduction modeling document(s)	<input type="checkbox"/> Water quality monitoring results/summary
<input checked="" type="checkbox"/> Aerial photo map of project area	

Grantee Certification

A responsible government official (authorized signatory) must authorize and date the final report form prior to electronic submittal to the DNR Regional Nonpoint Source Coordinator.

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

Name of Authorized Government Official	Title of Authorized Government Official	Date
Mike Einweck	Director of Public Works	02/02/2018

For DNR Nonpoint Source Coordinator Use Only

Received complete reports with all attachments. DNR accepts and approves the activities/products as consistent with the grant agreement and 281.66, Wis. Stat.

Comments about this project: (Narrative space expands.)

Name of Nonpoint Source Coordinator	Date

Send the Final Report and attachments to the Community Financial Assistance Grant Manager and to the Runoff Management Grant Coordinator. Keep a printed copy for the Region file.