#### **General Project Information**

**Project ID:** LF06-70251-13

Name: CITY OF MENASHA: TMDL Storm Water Planning

Type: NPS Grant

Subtype: Urban Nonpoint - Stormwater Planning

Status: COMPLETE

**Start Date:** 1/1/2013

**End Date:** 12/31/2015

Purpose: to cost-share storm water plan modifications designed to address the wasteload allocations of the Lower Fox River TMDL for

the community and to meet the phosphorus and sediment reduction goals of the NR216 MS4 Municipal Storm Water Permit.

Objective:

Comments: Grantee is CITY OF MENASHA

Outcome:

Study Design:

Study Design:							
QA Measures:							
People							
Name	Role	Status	Start Date	End Date	Organizatio	on	Comments
Project Statu	ses						
Date	Reported By	Status Comments		ts			
Actions	'	·					
Action		Detailed Descripti	on		Start Date	End Date	Status
Grant Awarded		This project relates source best manag contribute to the reswaters and was fun Specifically, the grawater plan modificathe wasteload alloc River TMDL for the the phosphorus and of the NR216 MS4 Permit.	ement praction of Wanded by the 3 antee will cost ations designerations of the community and sediment re	tes to lisconsin □s l9 grantshare storm d to address Lower Fox nd to meet duction goals	1/1/2013	12/31/2014	COMPLETE
Details:	Parameter	Value/Amount	t	Units	Co	mments	
•	Total Nitrogen						
	Total Phosphorus						
-	Total Suspended Solids						
	Urban Nonpoint Source & nagement - Planning				1/1/2013	6/13/2016	COMPLETE
Details:	Parameter	Value/Amount	t	Units	Co	mments	
	Acres Covered: Exisiting developed urban areas	2505			Ac	res	

Acres Covered: New development Acres Covered: Total acres Acres Covered: Total acres Construction of erosion Ordinators Developed: Products Developed: New Products Developed: Products Developed: New Products Developed: Products Developed: New Products Developed: Other Products Developed: Post-construction Stormwater Quality ordinances Products Developed: Post-construction stormwater ordinances Products Developed: Post-construction stormwater ordinances Products Developed: Y Stormwater Gasis Addressed: Control of fueling & Stormwater Gasis Addressed: Maintain infiltration Stormwater Gasis Addressed: Maintain infiltration Stormwater Gasis Addressed: Maintain infiltration Stormwater Gasis Addressed: Protoctive areas Stormwater Gasis Addresse	Details:	Parameter	Value/Amount	Units	Coi	mments		
Products Developed: Financing methods: developed or implemented Products Developed: Financing methods: identified and evaluated Products Developed: Y Financing methods: identified and evaluated Products Developed: RE implementation activies Products Developed: RE plan Products Developed: Ext plan Products Developed: Other Winnebago Products Developed: Other Products Developed: Post-construction stormwater quality ordinances Products Developed: Post-construction stormwater ordinances Products Developed: Y Stormwater Goals Addressed: Y Stormwater Goals Addressed: Y Stormwater Goals Addressed: Y Control of fueling & maintenance areas Stormwater Goals Addressed: Y Control peak flow Stormwater Goals Addressed: Y Other Stormwater Goals Addressed: Y Stormwater Goals Addressed: Y Control peak flow Stormwater Goals Addressed: Y Stormwater Goals Addressed: Protective areas Stormwater Goals Addressed: Y Reduce TSS Stormwater Goals Addressed: Protective areas Stormwater Goals Addressed: Protective areas This project relates to installation of nonpoint water plan modifications of the Lower Fox Rever Multiple to the restoration of Wisconsin'7s waters and was funded by the 319 grant. Specifically, the grantee will cost-share storm water plan modifications of the Lower Fox Rever Multiple to the community and to meals of the NR216 MS4 Municipal Storm Water Permit.			373		Acr	es		
Construction of erosion ordinances  Products Developed: Financing methods: developed or implemented  Products Developed: Y Financing methods: developed and evaluated  Products Developed: I&E implementation activities  Products Developed: I&E plan  Products Developed: I&E plan  Products Developed: Other Summarian activities  Products Developed: Other Y Winnebago  Products Developed: Other Y Products Developed: Post-ordinances  Products Developed: Y City-wide SWOMP  Stormwater Goals Addressed: Control of fueling & maintenance areas  Stormwater Goals Addressed: Y source water protection objectives for Lake Winnebago  Stormwater Goals Addressed: Y source water protection objectives for Lake Winnebago  Stormwater Goals Addressed: Y reduce total phosphorus  Stormwater Goals Addressed: Y reduce total phosphorus  Stormwater Goals Addressed: Y reduce total phosphorus  Stormwater Goals Addressed: Y reduce areas  Stormwater Goals Addressed: Y reduce total phosphorus  Stormwater Goals Addressed: Y reduce total phosphorus  Stormwater Goals Addressed: Y reduce total phosphorus  Stormwater Flanning, Implementation Successed: Protective areas  Stormwater Goals Addressed: N reduce TSS  Stormwater Flanning, Implementation Successed: Protective areas  Stormwater Flanning, Implementation Successed: Protective areas Successed: Protective		Acres Covered: Total acres	2878		Acr	Acres		
Financing methods: developed or implemented  Products Developed: I&E implementation activies  Products Developed: I&E plan  Products Developed: I&E plan  Products Developed: I&E plan  Products Developed: I&E plan  Products Developed: IAE plan  Products Developed: Other plan parking control ordinance with products Developed: Other plan parking control ordinance parking control ordinances  Products Developed: Other plan parking control ordinance parking control ordinances  Products Developed: Post-construction stormwater quality ordinances  Products Developed: Py  Stormwater Plan  Stormwater Goals Addressed: Products Developed: Y  Stormwater Goals Addressed: Products of the Impact of the I		Construction of erosion	Υ		con	nstruction site (	erosion control ordinance	
Financing methods: identified and evaluated  Products Developed: I&E implementation activies  Products Developed: Other Soveroped: I&E plan  Products Developed: Other Soveroped: I&E plan  Products Developed: Other Y Soveroped: I&E plan  Products Developed: Other Types of stormwater quality ordinance of stormwater quality ordinance ordinances  Products Developed: Post-construction SWM ordinance ordinances  Products Developed: Post-construction SWM ordinance ordinances  Products Developed: Y City-wide SWQMP  Stormwater Goals Addressed: Control of fulling & maintenance areas  Stormwater Goals Addressed: Y source water protection objectives for Lake Winnebago  Stormwater Goals Addressed: Y source water protection objectives for Lake Winnebago  Stormwater Goals Addressed: Y reduce total phosphorus  Stormwater Goals Addressed: Y reduce total phosphorus  Stormwater Goals Addressed: Y Reduce TSS  Stormwater Goals Addressed: Protective areas  Stormwater Goals Addressed: Remove Illicit discharges  Stormwater Goals Addressed: Protective areas  Stormwater Goals Addressed: Protective areas  Stormwater Goals Addressed: Remove Illicit discharges  Stormwater Hanning, Implementation Source best management practices to ortifibute to the restoration of Wisconsin's waters and was funded by the 319 grant. Specifically, the grantee will tools-share storm water plan modifications designed to address the wasteload adlocations of the Teatoration of the Lower Fox River TMDL for the community and to meet the phosphorus and sediment reduction goals of the NR216 MS4 Municipal Storm Water Permit.  Details: Parameter Value/Amount Units Comments		Financing methods: develop	ed					
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types of stormwater quality ordinances  Products Developed: Post-construction Stormwater ordinances  Products Developed: Y City-wide SWQMP  Stormwater Plan Stormwater Goals Addressed: Control of fueling & maintenance areas  Stormwater Goals Addressed: Y source water protection objectives for Lake Winnebago  Stormwater Goals Addressed: Maintain infiltration Stormwater Goals Addressed: Y reduce total phosphorus  Stormwater Goals Addressed: Y reduce total phosphorus  Stormwater Goals Addressed: Y reduce total phosphorus  Stormwater Goals Addressed: Y Reduce TSS  Stormwater Soals Addressed: Y Reduce TSS  Stormwater Goals Addressed: Y Reduce TSS  Stormwater Soals Addressed: Y Reduce TSS  Stormwater Planning, Implementation Storm Wisconsin?'s Wisconsin?'s Water Sand was funded by the 319 grant. Specifically, the grantee will cost-share storm water plan modifications designed to address the wasteload allocations of the Lower Fox River TMDL for the community and to meet the phosphorus and sediment reduction goals of the NR216 MS4 Municipal Storm Water Permit.  Details: Parameter Value/Amount Units Comments		Products Developed: Other					ection objectives for Lake	
construction stormwater ordinances  Products Developed: Y City-wide SWQMP  Stormwater Goals Addressed: Control of fueling & maintenance areas  Stormwater Goals Addressed: Y source water protection objectives for Lake Winnebago  Stormwater Goals Addressed: Winnebago  Stormwater Goals Addressed: Y reduce total phosphorus  Other  Stormwater Goals Addressed: Y reduce total phosphorus  Other  Stormwater Goals Addressed: Y reduce total phosphorus  Stormwater Goals Addressed: Y Reduce TSS  Stormwater Goals Addressed: Y Reduce TSS  Stormwater Goals Addressed: Y Reduce TSS  Stormwater Goals Addressed: Stormwater Goals Addressed: Stormwater Goals Addressed: Remove illicit discharges  Stormwater Planning, Implementation  This project relates to installation of nonpoint source best management practices to contribute to the restoration of Wisconsin's waters and was funded by the 319 grant. Specifically, the grantee will cost-share storm water plan modifications designed to address the wasteload allocations of the Lower Fox River TMDL for the community and to meet the phosphorus and sediment reduction goals of the NR216 MS4 Municipal Storm Water Permit.  Details: Parameter Value/Amount Units Comments		types of stormwater quality	Υ		par	king control or	dinance	
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Protective areas  Stormwater Goals Addressed: Y Reduce TSS  Stormwater Goals Addressed: Remove illicit discharges  Stormwater Planning, Implementation  This project relates to installation of nonpoint source best management practices to contribute to the restoration of Wisconsin?s waters and was funded by the 319 grant. Specifically, the grantee will cost-share storm water plan modifications designed to address the wasteload allocations of the Lower Fox River TMDL for the community and to meet the phosphorus and sediment reduction goals of the NR216 MS4 Municipal Storm Water Permit.  Details: Parameter  Value/Amount  Units  Comments			: Y reduce total phosphoru		phorus			
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Total Nitrogen	Details:	Parameter	Value/Amount	Units	Coi	mments		
		Total Nitrogen						

Details: Parameter Value/Amount Units Comments

Total Phosphorus

Total Suspended Solids

Monitoring Stations				
Station ID	Name	Comments		

Station ID	Name		Comments			
Assessment Units						
WBIC	Segment	Local Name	Official Name			
50700	3	Sheboygan River	Sheboygan River			
59600	1	Unnamed Trib to Sheboygan R	Unnamed			
68600	1	Round Lake	Round Lake			
71000	3	Manitowoc River	Manitowoc River			
75900	1	North Branch Manitowoc River	North Branch Manitowoc River			
75900	2	North Branch Manitowoc River	North Branch Manitowoc River			
76000	1	Unnamed Stream (T19n, R20e,S25)	Unnamed			
76100	1	Unnamed Creek (T19n R22e S23)	Unnamed			
76200	1	Unnamed Creek (T19n R20e S23)	Unnamed			
76300	1	Unnamed Creek (T19n R20e S15)	Unnamed			
76400	1	Unnamed Creek (T19n R20e S15)	Unnamed			
76500	1	Ditch to the North Manitowoc River	Unnamed			
76700	1	Unnamed Creek (T19n R20e S4)	Unnamed			
76800	1	Hilbert Creek	Unnamed			
76900	1	Spring Creek	Spring Creek			
77000	1	Black Creek	Black Creek			
77100	1	Unnamed Creek (T20n T20e S34)	Unnamed			
77200	1	Grass Lake	Grass Lake			
77300	1	Becker Lake	Becker Lake			
77600	1	Boot Lake	Boot Lake			
77700	1	Un Lake	Unnamed			
77800	1	Un Lake	Unnamed			
77900	1	Manitowoc R. So. Branch	South Branch Manitowoc River			
77900	2	Manitowoc R. So. Branch	South Branch Manitowoc River			
78200	1	Killsnake River	Killsnake River			
78300	1	Unnamed Trib (T18n, R19e, S01)	Unnamed			
78400	1	Unnamed Trib (T19n, R19e, S27)	Unnamed			
78500	1	Unnamed Trib (T19n, R19e, S28)	Unnamed			

78600	1	Unnamed Trib (T19n, R19e, S21)	Unnamed
78700	1	Cedar Creek	Cedar Creek
78900	1	Hayton Creek	Hayton Creek
79800	1	Hayton Millpond	Hayton Pond 104
79900	1	Pine Creek	Pine Creek
79900	2	Pine Creek	Pine Creek
80000	1	Unnamed Trib (T18n, R20e, S21)	Unnamed
80100	1	Unnamed Trib (T18n, R20e, S27)	Unnamed
80200	1	Jordon Creek	Jordan Creek
80200	2	Jordon Creek	Jordan Creek
80300	1	Unnamed Trib (T17n, R20e, S11)	Unnamed
80500	1	Schildhauer Pond	Schildhauer Pond
81200	1	Chilton Millpond	Chilton Millpond 75
81300	1	Unnamed Trib (T18n, R19e, S13)	Unnamed
81400	1	Unnamed Trib (T18n, R19e, S26)	Unnamed
81500	1	Stony Brook	Stony Brook
81500	2	Stony Brook	Stony Brook
81700	1	Unnamed Trib (T17n, R19e, S16)	Unnamed
115700	1	Un Lake	Unnamed
118000	2	East River	East River
125100	2	Plum Creek	Plum Creek
125100	3	Plum Creek	Plum Creek
125500	2	Unnamed Trib to Plum Cr	Unnamed
125600	1	Unnamed Creek(T21n,R19e,S36)	Unnamed
126800	2	Kankapot Creek	Kankapot Creek
126900	1	Local Water	Unnamed
127000	1	Local Water	Unnamed
127700	1	Garners Creek	Garners Creek
131100	1	Lake Winnebago	Lake Winnebago
131100	2	High Cliff SP - Lake Winnebago Beach	Lake Winnebago
131130	1	Unnamed Creek	Unnamed
131200	1	Unnamed Streams	Unnamed
131300	1	Unamed	Unnamed
131400	1	Unamed	Unnamed
131500	1	Mill Creek	Mill Creek

131600	1	Mud Creek	Mud Creek
131620	1	WETLAND TRIBUTARY TO MUD CREEK	Unnamed
131700	1	Roberts Creek	Roberts Creek
131900	1	Johnson Creek	Johnson Creek
132100	1	Brothertown Creek	Unnamed
3000057	1	Unnamed Creek	Unnamed
3000135	1	WETLAND TRIBUTARY TO THE NORTH BRANCH MANITOWOC RIVER	Unnamed
5021798	1	Unnamed Stream	Unnamed
5021964	1	Unnamed Stream	Unnamed
5021999	1	Unnamed Stream	Unnamed
5022060	1	Unnamed Stream	Unnamed
5022083	1	Unnamed Stream	Unnamed
5022125	1	Unnamed Stream	Unnamed
5022136	1	Unnamed Tributary to Garners Creek	Unnamed
5022162	1	Unnamed Trib to Garners Creek	Unnamed
5022198	1	Unnamed Trib to Garners Creek	Unnamed
5022241	1	Unnamed	Unnamed
5022391	1	Unnamed	Unnamed
5022562	1	Unnamed Stream	Unnamed
5022696	1	Unnamed Stream	Unnamed
5024409	1	Unnamed Stream	Unnamed
5024513	1	Unnamed Stream	Unnamed
5025367	1	Local Water	Unnamed
5025587	1	Unnamed Stream	Unnamed
5553969	1	Local Water	Unnamed
5554120	1	Local Water	Unnamed
5554199	1	Local Water	Unnamed
5554467	1	Local Water	Unnamed
5554719	1	Local Water	Unnamed
5554754	1	Local Water	Unnamed
5554781	1	Local Water	Unnamed
5554832	1	Local Water	Unnamed
5554992	1	Local Water	Unnamed
5555007	1	Local Water	Unnamed
5555265	1	Local Water	Unnamed

5560292	1	Local Water	Unnamed
5590421	1	Local Water	Unnamed

<b>Lab Account Codes</b>			
Account Code	Description	Start Date	End Date

Forms

Form Code Form Name

Methods

Method Code Method Description

**Fieldwork Events** 

Start Date Status Field ID Station ID Station Name

**Documents** 

Title Description Author Published Comments

Menasha TMDL Stormwater Planning - Final Report Mark Radtke 6/13/2016

#### **Budget**

**Combined Budgets:** 

**Combined WSLH:** 

Combined Total: \$0.00

Funding					
Organization	Source	Туре	Amount	Start Date	<b>End Date</b>