# Stormwater Quality Management Plan Sewer Marking Projects



			ANAG	
What is this and what information should I look for?	<b>BMP Description:</b> The GSWMD will work with NIRPC and local gr existing storm sewer structures.	oups to mark	Reference Materia	ıl:
	Applicable MCMs:		Targeted Audience	e:
	MCM-1 Public Education and Outreach		Residents	
Where does	MCM-2 Public Participation and Involvement		Visitors	
this apply and who will it	MCM-3 Illicit Discharge Identification and Elim	ination	Public Service Er	nployees
help?	MCM-4 Construction Site Stormwater Runoff C	ontrol	Commercial Facil	ities
1	MCM-5 Post-Construction Site Stormwater Run	off Control	Industrial Facilitie	es
	MCM-6 Pollution Prevention and Good Houseke	eeping	Construction Site	Personnel
Who can I work with?	<b>Potential Participants in Implementation:</b> NIRPC			
How will this improve water quality and how do I track it?	By marking the storm sewer structures, it alerts the public that the structures are	Measurable ( The GSWMD w NIRPC to organ sewer marking	will work with nize and direct storm	Reduction Goal %: 100% reduction of unmarked storm sewer structures.
How often is action required?	<b>Schedule:</b> Beginning in 2005, the GSWMD will work with Marking events. This will be ongoing.	NIRPC to hold	annual storm sewer st	ructure
What paperwork is required?	<b>Reporting and Recordkeeping Requirement</b> The GSWMD will record the number of participal storm sewer structures marked.		structures marked, and	l map the

J:\GSWMD\NPDES GENERAL PERMIT RULE\SWQMP\SWQMP-3.doc Stormwater Quality Management Plan

# Website



			CR MANAGE	EML
What is this and what information should I look for?	<b>BMP Description:</b> The GSWMD will work with NIRPC to create and website with relevant stormwater information.	d maintain a	Reference Materia	ıl:
	Applicable MCMs:		Targeted Audience	e:
Where does this apply and who will it help?	<ul> <li>MCM-1 Public Education and Outreach</li> <li>MCM-2 Public Participation and Involvement</li> <li>MCM-3 Illicit Discharge Identification and Elimit</li> <li>MCM-4 Construction Site Stormwater Runoff Construction Site Stormwater Runoff</li> <li>MCM-5 Post-Construction Site Stormwater Runoff</li> <li>MCM-6 Pollution Prevention and Good Houseke</li> </ul>	ontrol off Control	<ul> <li>Residents</li> <li>Visitors</li> <li>Public Service En</li> <li>Commercial Facil</li> <li>Industrial Facilitie</li> <li>Construction Site</li> </ul>	ities es
Who can I work with?	<b>Potential Participants in Implementation:</b> NIRPC			
How will this improve water quality and how do I track it?	By having informed citizens, it increases the	Measurable ( Create website nformation.		Reduction Goal %: 100% reduction of lack of GSWMD website.
How often is action required?	<b>Schedule:</b> Beginning in 2005, the GSWMD will work with N water information. This will be ongoing.	NIRPC to creat	e and maintain website	e with storm
What paperwork is required?	<b>Reporting and Recordkeeping Requiremen</b> Track the number of visitors to the website.	nts:		

#### Stormwater Quality Management Plan Storm Sewer Mapping



			ERMANAG	EMEL
What is this and what information should I look for?	<b>BMP Description:</b> All known outfall conveyances with a pipe diameter larger and all open ditches with a 2-foot or larger bot be mapped. The depth of ditch, type (grass, concrete estimated width of the bottom will be noted. The GS estimate the linear feet of conveyances per type of cc ("pipe" or "open ditch," etc.) to be used for estimatin annual mapping requirement. In addition, the outfall system will be listed per latitude and longitude. A m narrative description of the MS4 boundary area will be The narrative description shall include a description of based upon sections, townships, and street boundarie The mapped description will have the MS4 area depi overall map.	tom width will e, etc.), and WMD will onveyance ag the 25% as of the MS4 apped and be obtained. of the MS4 area s as appropriate.	Reference Materia	d:
Where does this apply and who will it help?	Applicable MCMs:         MCM-1 Public Education and Outreach         MCM-2 Public Participation and Involvement         MCM-3 Illicit Discharge Identification and Eli         MCM-4 Construction Site Stormwater Runoff         MCM-5 Post-Construction Site Stormwater Ru         MCM-6 Pollution Prevention and Good House	Control inoff Control	Targeted Audienc         Residents         Visitors         Public Service Em         Commercial Facil         Industrial Facilitie         Construction Site	ployees ities es
Who can I work with?	Potential Participants in Implementation	:		
How will this improve water quality and how do I track it?	Water Quality Benefits: Knowing which areas have the possibility of tying into the storm water system will help to focus the GSWMD efforts to eliminate illicit connections.	At least 25% of the storm sewer system will be mapped in an electronic format each year of the permit term. The GSWMD storm sewer system will be mapped by the end of the permit term. Locate all outfalls in latitude/longitude		Reduction Goal %: 100% reduction of unmapped storm sewer system.
How often is action required?	Schedule: Beginning in 2005, the storm sewer system mapping end of the permit term, the entire system will be map		d in increments of 25% p	er year. At the
What paperwork is required?	<b>Reporting and Recordkeeping Requireme</b> Progress of the storm sewer mapping program will be		al reports.	

# Stormwater Quality Management Plan City of Gary Stormwater Management Ordinance



What is this and what information should I look for?	<b>BMP Description:</b> The GSWMD has created the City of Gary Storr Management Ordinance. This ordinance establis regulatory authority and complies with the updat and Rule 5 requirements	hes the	Reference Materia	al:
	Applicable MCMs:		Targeted Audienc	e:
	MCM-1 Public Education and Outreach		Residents	
Where does			Visitors	
this apply and	MCM-2 Public Participation and Involvement			
who will it	MCM-3 Illicit Discharge Identification and Elin		Public Service En $\square$ <td< td=""><td></td></td<>	
help?	MCM-4 Construction Site Stormwater Runoff		Commercial Facil	
	MCM-5 Post-Construction Site Stormwater Ru		Industrial Facilitie	
	MCM-6 Pollution Prevention and Good House	keeping	Construction Site	Personnel
Who can I work with?	<b>Potential Participants in Implementation:</b> None			
	Water Quality Benefits:	Measurable	Goals:	Reduction
	By establishing an ordinance, it allows the		The City of Gary Stormwater	
	GSWMD to comply with the state regulations.	Management C adopted in 200	Ordinance will be	100%
		adopted in 200	5.	reduction of the lack of an
				illicit
How will this				discharge and
improve				detection ordinance,
water quality and how do I				construction
track it?				site runoff
				control ordinance,
				and a post-
				construction
				runoff
				control ordinance.
How often is	Schedule:			I
action	The City of Gary Stormwater Management Ordi	nance will be a	dopted in 2005.	
required?				
What	<b>Reporting and Recordkeeping Requireme</b> The MS4 operator will retain a copy of the ordin		lantion data	
paperwork is	The wish operator will retain a copy of the ordin		ioption date.	
required?				

Stormwater Quality Management Plan

# **Review New Development Plans and Inspect New Developments for Cross Connections**



for Cross Connections					
What is this and what information should I look for?	<b>BMP Description:</b> The GSWMD will require a review of new deve and an inspection of new developments for cross between storm sewers and sanitary sewers.	<b>1</b>	Ref	ference Materia	ıl:
	Applicable MCMs:		Tai	rgeted Audienc	e:
	MCM-1 Public Education and Outreach			Residents	
Where does	MCM-2 Public Participation and Involvement			Visitors	
this apply and who will it	MCM-3 Illicit Discharge Identification and Eli	mination	$\boxtimes$	Public Service Em	ployees
who will u help?	MCM-4 Construction Site Stormwater Runoff	Control		Commercial Facil	ities
· · · <b>·</b>	MCM-5 Post-Construction Site Stormwater Runoff Control MCM-6 Pollution Prevention and Good Housekeeping			Industrial Facilitie	s
			$\square$	Construction Site	Personnel
Who can I work with?	<b>Potential Participants in Implementation</b> None	:			
How will this improve water quality and how do I track it?	Water Quality Benefits: By eliminating cross connections, storm sewers should only discharge storm water. This eliminates the possibility of sanitary sewage discharging to the receiving streams through the storm sewer system.	The GSWMD will review the new development plans and inspect developments for cross connections.		reduction of	
How often is action required?	<b>Schedule:</b> Beginning in 2005, the GSWMD will review pla This will be ongoing.	ans and inspect o	devel	opments for cross	connections.
What paperwork is required?	<b>Reporting and Recordkeeping Requireme</b> The GSWMD will record the number of new de will also record the number of violations and co	velopments revi	ewed	and inspected. T	ne GSWMD

### Stormwater Quality Management Plan Citizen Watch Groups



	MANAGUM			
What is this and what information should I look for?	<b>BMP Description:</b> The GSWMD will identify residents and ask tha Citizen Watch Groups similar to a 'Crime Stopp Watch'.	• •	Reference Materia	ıl:
	Applicable MCMs:		<b>Targeted Audienc</b>	e:
***7 7	MCM-1 Public Education and Outreach		Residents	
Where does this apply and	MCM-2 Public Participation and Involvement		☐ Visitors	
who will it	MCM-3 Illicit Discharge Identification and Eli		Public Service En	
help?	MCM-4 Construction Site Stormwater Runoff		Commercial Facil	
	MCM-5 Post-Construction Site Stormwater Ru		Industrial Facilitie	
	MCM-6 Pollution Prevention and Good House	keeping	Construction Site	Personnel
Who can I work with?	<b>Potential Participants in Implementation:</b> Existing local community organizations.	:		
How will this improve water quality and how do I track it?	Water Quality Benefits: By having informed citizens, it increases the likelihood of their participation in the program.	Measurable Establish a Citi that meets on a	zen Watch Group	Reduction Goal %: 100 % reduction in the lack of a Citizen Watch Group.
How often is action required?	<b>Schedule:</b> Beginning in 2005 the GSWMD will institute a	Citizen Watch C	Group. This will be on	going.
What paperwork is required?	<b>Reporting and Recordkeeping Requireme</b> The GSWMD will keep records of the number of in which they have participated.		l, how often they meet	and activities

#### Stormwater Quality Management Plan Storm Water Hotline



	BMP Description:		Reference Materia	ıl:
What is this and what information should I look for?	Complaints, information requests, and inquiries construction site erosion and sediment control w incorporated into the Storm Water Hotline. Cor will be completed for each call received. Comp investigated, tracked, and resolved by the GSW.	vill be nplaint forms laints will be		
	Applicable MCMs:		Targeted Audienc	e:
	MCM-1 Public Education and Outreach		Residents	
Where does	MCM-2 Public Participation and Involvement		U Visitors	
this apply and who will it	MCM-3 Illicit Discharge Identification and Eli	mination	Public Service En	nployees
help?	MCM-4 Construction Site Stormwater Runoff	Control	Commercial Facil	ities
	MCM-5 Post-Construction Site Stormwater Ru	noff Control	Industrial Facilitie	es
	MCM-6 Pollution Prevention and Good House	keeping	Construction Site	Personnel
Who can I work with?	<b>Potential Participants in Implementation</b> NIRPC	:		
	Water Quality Benefits:	Measurable	Goals:	Reduction
How will this improve water quality and how do I track it?	By understanding where problems occur, it will enable the GSWMD to inspect and correct these problems.	Goal %:The establishment of the StormWater Hotline. The recording,investigation, and tracking of calls.Filing of complaint forms andformal		reduction of lack of formal complaint
How often is action required?	Schedule: The Storm Water Hotline will be initiated in 200	05 and will cont	inue throughout the per	rmit term.
What paperwork is required?	<b>Reporting and Recordkeeping Requirem</b> Complaint forms and investigation records will annually to determine pollution concerns and re	be kept on file a		

# Stormwater Quality Management Plan Outfall Screening for Illicit Discharges



	MANAGEN			
What is this and what information should I look for?	<b>BMP Description:</b> Outfalls will be inspected during dry weather. Items reviewed during inspections will include the outfall condition, erosion and scouring present at the outfall, the amount of flow, and signs of pollution (such as odor, chemical sheen, color, pH, conductivity, or nitrogen-ammonia, etc). Inspection sheets will be used to document the inspections. Photographs will be taken to assist in documenting pollution problems. Pollution problems will be investigated and resolved. Sampling will be conducted as needed to identify potential pollutants.		Reference Materia	al:
Where does this apply and who will it help?	Applicable MCMs:         MCM-1 Public Education and Outreach         MCM-2 Public Participation and Involvement		Targeted Audience:         Residents         Visitors         Public Service Employees         Commercial Facilities         Industrial Facilities         Construction Site Personnel	
Who can I work with?	<b>Potential Participants in Implementation</b> None	:		
How will this improve water quality and how do I track it?	Water Quality Benefits: By inspecting the outfalls for illicit discharge, it alerts the GSWMD to possible pollution. Once these areas are identified, corrections can be made.	e, All outfalls in the MS4 will be inspected for signs of illicit discharges annually. Inspection sheets will be used to document outfalls		Reduction Goal %: 100% reduction of outfalls not inspected
How often is action required?	Schedule: Beginning in 2005, all outfalls will be inspected	. This will be or	ngoing.	
What paperwork is required?	<b>Reporting and Recordkeeping Requirem</b> Document inspections and retain copies of track annual report.		rmation will be summa	arized in the

# Stormwater Quality Management Plan **Promote Household Hazardous Waste Days**



	MANAGEN			
What is this and what information should I look for?	<b>BMP Description:</b> The GSWMD will work with NIRPC, the Lake C Waste District, and U.S. Steel to promote Househ Hazardous Waste Days.		Reference Materia	ıl:
	Applicable MCMs:		<b>Targeted Audience</b>	e:
Where does this apply and who will it	<ul> <li>MCM-1 Public Education and Outreach</li> <li>MCM-2 Public Participation and Involvement</li> <li>MCM-3 Illicit Discharge Identification and Elim</li> <li>MCM-4 Construction Site Stormwater Runoff Construction</li> </ul>		<ul> <li>Residents</li> <li>Visitors</li> <li>Public Service En</li> <li>Commercial Facil</li> </ul>	
help?				
	<ul> <li>MCM-5 Post-Construction Site Stormwater Run</li> <li>MCM-6 Pollution Prevention and Good Housek</li> </ul>		<ul><li>Industrial Facilitie</li><li>Construction Site</li></ul>	
Who can I work with?	<b>Potential Participants in Implementation:</b> Lake County Solid Waste District, NIRPC, US St	teel		
How will this improve water quality and how do I track it?	By marking the storm sewer structures, it alerts the public that the structures are connected to the streams reducing the	The GSWMD will work with NIRPC to advertise information regarding the Household Hazardous Waste Days.		Reduction Goal %: 100% reduction of residents unaware of household hazardous waste disposal methods.
How often is action required?	<b>Schedule:</b> Beginning in 2005, the GSWMD will work with Days. This will be ongoing.	NIRPC to prom	note Household Hazard	lous Waste
What paperwork is required?	<b>Reporting and Recordkeeping Requiremen</b> The GSWMD will retain copies of publicity infor			

# Stormwater Quality Management Plan Pollution Prevention Brochure



What is this and what information should I look for?	<b>BMP Description:</b> The GSWMD will partner with NIRPC and other distribute a residential pollution prevention brochure.		Reference Materia	ıl:
	Applicable MCMs:		Targeted Audience	e:
	MCM-1 Public Education and Outreach		Residents	
Where does	MCM-2 Public Participation and Involvement		☐ Visitors	
this apply and who will it	MCM-3 Illicit Discharge Identification and Elim	ination	Public Service Er	nployees
help?	MCM-4 Construction Site Stormwater Runoff Co	ontrol	Commercial Facil	ities
	MCM-5 Post-Construction Site Stormwater Rund		Industrial Facilitie	
	MCM-6 Pollution Prevention and Good Houseke	eeping	Construction Site	Personnel
Who can I work with?	<b>Potential Participants in Implementation:</b> IDEM, DNR, EPA, Lake County, NIRPC			
How will this improve water quality and how do I track it?	By informing residents and commercial entities about pollution prevention and illicit	residential and	will distribute a	Reduction Goal %: Not Applicable
How often is action required?	<b>Schedule:</b> Beginning in 2006, the GSWMD will partner with residential and commercial pollution prevention b			oute a
What paperwork is required?	<b>Reporting and Recordkeeping Requirement</b> The GSWMD will retain a copy of the brochure for number of brochures distributed.		. The GSWMD will r	ecord the

# Stormwater Quality Management Plan Storm Water Inlets for New Development



	WANAGEN			
What is this and what information should I look for?	<b>BMP Description:</b> For new development, the GSWMD will require, to Drainage Standard, City of Gary Stormwater Man Ordinance, that storm inlet sewer structure casting inlets be stamped with a pollution prevention mess "No Dumping, Drains to Stream."	agement gs and curb	Reference Materia	ıl:
	Applicable MCMs:		Targeted Audience	e:
Where does this apply and who will it help?	<ul> <li>MCM-1 Public Education and Outreach</li> <li>MCM-2 Public Participation and Involvement</li> <li>MCM-3 Illicit Discharge Identification and Elimit</li> <li>MCM-4 Construction Site Stormwater Runoff Construction Site Stormwater Runoff</li> <li>MCM-5 Post-Construction Site Stormwater Runoff</li> <li>MCM 6 Pollution Provention and Good Houseka</li> </ul>	ontrol off Control	<ul> <li>Residents</li> <li>Visitors</li> <li>Public Service Er</li> <li>Commercial Facilitie</li> <li>Industrial Facilitie</li> <li>Construction Site</li> </ul>	ities es
	MCM-6 Pollution Prevention and Good Housekeeping			Personner
Who can I work with?	<b>Potential Participants in Implementation:</b> None			
How will this improve water quality and how do I track it?	By marking the storm sewer structures, it alerts the public that the structures are		age projects in the be required to use the	Reduction Goal %: 100 % reduction of new, unmarked structures.
How often is action required?	<b>Schedule:</b> Beginning in 2005, the GSWMD will require all n This will be ongoing.	new storm sewe	er structures to be prop	erly marked.
What paperwork is required?	<b>Reporting and Recordkeeping Requiremen</b> The number and location of new storm sewer struct recorded and reported in the annual report.		ng the pre-stamped me	essage will be

## Stormwater Quality Management Plan Stormwater Technical Standards Manual



	BMP Description:		Reference Materia	d:
What is this and what information should I look for?	The GSWMD has created the City of Gary Storr Technical Standards Manual. This Manual inclu- and practices that comply with the updated Rule regulations.	des principles		
	Applicable MCMs:		Targeted Audienc	e:
	MCM-1 Public Education and Outreach		Residents	
Where does	MCM-2 Public Participation and Involvement		U Visitors	
this apply and who will it	MCM-3 Illicit Discharge Identification and Elin	mination	Public Service En	nployees
who will u help?	MCM-4 Construction Site Stormwater Runoff	Control	Commercial Facil	ities
	MCM-5 Post-Construction Site Stormwater Ru	noff Control	Industrial Facilitie	es
	MCM-6 Pollution Prevention and Good House	keeping	Construction Site	Personnel
Who can I work with?	<b>Potential Participants in Implementation:</b> GSWMD has worked with Lake County to estab		ards.	
	Water Quality Benefits:	Measurable	Goals:	Reduction
How will this improve water quality and how do I track it?	By establishing the Technical Standards, it provides for compliance with the state regulations, and consistency among new stormwater facilities.	The City of Gary StormwaterGoal %Technical Standards Manual will be implemented for all development oron structBMP		Goal %: Varies based on structural BMP installed.
How often is action required?	<b>Schedule:</b> Implementation of the standard will be ongoing.	The standards	will be adopted in 200	5.
What paperwork is required?	<b>Reporting and Recordkeeping Requireme</b> The GSWMD MS4 operator will retain a copy o Standards Manual.		ty of Gary Stormwater	Technical