

Municipality/Organization: City of Lawrence

EPA NPDES Permit Number: MA041201

MaDEP Transmittal Number: W- 036114

**Annual Report Number
& Reporting Period:**

No. 3: March 2005-March 2006

MAY - 5 2006

NPDES PII Small MS4 General Permit Annual Report

Part I. General Information

Contact Person: Frank McCann Jr.

Title: Director of Public Works

Telephone #: 978 - 794 - 5762

Email:

Certification:

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Signature:

Printed Name: Frank McCann Jr.

Title: Director of Public Works

Date: 4/29/06

Part II. Self-Assessment

The City of Lawrence has completed the required self-assessment and have determined that our municipality is in compliance with all permit conditions except for the following:

Part II F Failed to submit annual report on or before may 1 Submitted August 18 th

Part III. Summary of Minimum Control Measures

1. Public Education and Outreach

BMP ID #	BMP Description	Responsible Dept./Person Name	Measurable Goal(s)	Progress on Goal(s) – Permit Year 3 (Reliance on non-municipal partners indicated, if any)	Planned Activities – Permit Year 4
1A Revised	Classroom education	Recycling	Raise public awareness	poster contest/presentations at city schools	continue school programs They have best resu
1B Revised	Educational Displays	DFW	make public aware	Ground Works Lawrence has produced and distributed a wall poster	Aid other types of organizatio with simular projects
1C Revised	Newspaper Articles	DFW	get the message out	In depth articles about GWL and other simular organizations	
1D Revised	Local Cable	City Council		Station is for Council Bussiness only.	upgrading computersystem to use web site for this type of information
1E Revised	Mailings	DFW		Idea has been modified to allow private concerns to do mailings	
Revised					

1a. Additions

2. Public Involvement and Participation

BMP ID #	BMP Description	Responsible Dept./Person Name	Measurable Goal(s)	Progress on Goal(s) – Permit Year 3 (Reliance on non-municipal partners indicated, if any)	Planned Activities – Permit Year 4
2A Revised	Community Hotline	DFW	get public involved	increased calls to code enforcement office concerning illegal discharges/dumping	use new web site to educate the public more
2B Revised	Neighborhood meetings	DFW	Residents input	monthly meetings are held in each part of the city	continue meetings and use them for education
Revised					
Revised					
Revised					
Revised					
Revised					

2a. Additions

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3. Illicit Discharge Detection and Elimination

BMP ID #	BMP Description	Responsible Dept./Person Name	Measurable Goal(s)	Progress on Goal(s) – Permit Year 3 (Reliance on non-municipal partners indicated, if any)	Planned Activities – Permit Year 4
3A Revised	Mapping Out-falls	DPW	Find illegal discharge	Survey completed	
3B Revised	Illicit discharges	DPW	Stop any found ones	None Found	Continue to monitor
Revised					
Revised					
Revised					
Revised					

3a. Additions

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4. Construction Site Stormwater Runoff Control

BMP ID #	BMP Description	Responsible Dept./Person Name	Measurable Goal(s)	Progress on Goal(s) – Permit Year 3 (Reliance on non-municipal partners indicated, if any)	Planned Activities – Permit Year 4
4A Revised	Site Plan Review	Engineering	Plans show control when first presented	Plans are being presented with attention to run off control and infiltration	continue to advise designers to control/infiltrate/recharge
Revised					
Revised					
Revised					
Revised					
Revised					

4a. Additions

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5. Post-Construction Stormwater Management in New Development and Redevelopment

BMP ID #	BMP Description	Responsible Dept./Person Name	Measurable Goal(s)	Progress on Goal(s) - Permit Year 3 (Reliance on non-municipal partners indicated, if any)	Planned Activities - Permit Year 4
5A Revised	Design Standards	Engineering	more filtering / infiltration	Plans are being submitted with control/infiltration designed into them	continue to advise designers to filter run off or infiltrate
5B Revised	Final Site Inspection	DPW	compliance to plans	all projects have been or are being built as per approved plans	continue inspections
Revised					
Revised					
Revised					
Revised					
Revised					

5a. Additions

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6. Pollution Prevention and Good Housekeeping in Municipal Operations

BMP ID #	BMP Description	Responsible Dept./Person Name	Measurable Goal(s)	Progress on Goal(s) - Permit Year 3 (Reliance on non-municipal partners indicated, if any)	Planned Activities - Permit Year 4
6A Revised	Employee Training	DPW	make employees aware	employees have been trained in proper handling and disposal of hazardous materials	continue to review practices and refress training as needed
6B Revised	Catch Basin Cleaning	DPW	maintain "cleanliness of system	Basin cleaning is dailyfunction except during Winter	Continue cleaning schedule
6C Revised	Street Sweeping	DPW	Reduce potential pollutants	Sweeping has become year round program with day and night sweeping in spring A vaccum sweeper has been added to collect loose litter	continue program
Revised					
Revised					
Revised					

6a. Additions

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7. BMPs for Meeting Total Maximum Daily Load (TMDL) Waste Load Allocations (WLA) <<if applicable>>

BMP ID #	BMP Description	Responsible Dept./Person Name	Measurable Goal(s)	Progress on Goal(s) – Permit Year 3 (Reliance on non-municipal partners indicated, if any)	Planned Activities – Permit Year 4
Revised					
Revised					
Revised					
Revised					
Revised					
Revised					

7a. Additions

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Part IV. Summary of Information Collected and Analyzed

Part V. Program Outputs & Accomplishments (OPTIONAL)

Programmatic

Stormwater management position created/staffed	(y/n)	
Annual program budget/expenditures	(\$)	

Education, Involvement, and Training

Estimated number of residents reached by education program(s)	(# or %)	30%
Stormwater management committee established	(y/n)	
Stream teams established or supported	(# or y/n)	
Shoreline clean-up participation or quantity of shoreline miles cleaned	(y/n or mi.)	2 mi ¹ es
Household Hazardous Waste Collection Days		
▪ days sponsored	(#)	1/yr
▪ community participation	(%)	
▪ material collected	(tons or gal)	
School curricula implemented	(y/n)	

Legal/Regulatory

	In Place Prior to Phase II	Under Review	Drafted	Adopted
Regulatory Mechanism Status (indicate with "X")				
▪ Illicit Discharge Detection & Elimination	X			
▪ Erosion & Sediment Control	X			
▪ Post-Development Stormwater Management		X		
Accompanying Regulation Status (indicate with "X")				
▪ Illicit Discharge Detection & Elimination	X			
▪ Erosion & Sediment Control	X			
▪ Post-Development Stormwater Management	X			

Mapping and Illicit Discharges

Outfall mapping complete	(%)			100%
Estimated or actual number of outfalls	(#)			103
System-Wide mapping complete	(%)			
Mapping method(s)				
▪ Paper/Mylar	(%)			100%
▪ CADD	(%)			
▪ GIS	(%)			
Outfalls inspected/screened	(# or %)			103
Illicit discharges identified	(#)			NONE
Illicit connections removed	(#)			
% of population on sewer	(est. gpd)			
% of population on septic systems	(%)			100
	(%)			

Construction

Number of construction starts (>1-acre)	(#)	None
Estimated percentage of construction starts adequately regulated for erosion and sediment control	(%)	100
Site inspections completed	(# or %)	100
Tickets/Stop work orders issued	(# or %)	0
Fines collected	(# and \$)	0
Complaints/concerns received from public	(#)	0

Post-Development Stormwater Management

Estimated percentage of development/redevelopment projects adequately regulated for post-construction stormwater control	(%)	100
Site inspections completed	(# or %)	0
Estimated volume of stormwater recharged	(gpy)	varies

Operations and Maintenance

Average frequency of catch basin cleaning (non-commercial/non-arterial streets)	(times/yr)	2
Average frequency of catch basin cleaning (commercial/arterial or other critical streets)	(times/yr)	4
Total number of structures cleaned	(#)	4000
Storm drain cleaned	(LF or mi.)	
Qty. of screenings/debris removed from storm sewer infrastructure	(lbs. or tons)	392.03
Disposal or use of screenings (landfill, POTW, compost, recycle for sand, beneficial use, etc.)		Landfill
Cost of screenings disposal	(\$)	50,000

Average frequency of street sweeping (non-commercial/non-arterial streets)	(times/yr)		52
Average frequency of street sweeping (commercial/arterial or other critical streets)	(times/yr)		52
Qty. of sand/debris collected by sweeping	(lbs. or tons)		
Disposal of sweepings (landfill, POTW, compost, beneficial use, etc.)	(location)		Linnenburg
Cost of sweepings disposal	(\$)		50,000
Vacuum street sweepers purchased/leased	(#)		
Vacuum street sweepers specified in contracts	(y/n)		

Reduction in application on public land of: ("N/A" = never used; "100%" = elimination)		
▪ Fertilizers	(lbs. or %)	N/A
▪ Herbicides	(lbs. or %)	N/A
▪ Pesticides	(lbs. or %)	N/A

Anti-/De-Icing products and ratios		
	% NaCl	75%
	% CaCl ₂	
	% MgCl ₂	
	% CMA	
	% Kac	
	% KCl	25%
	% Sand	
Pre-wetting techniques utilized	(y/n)	N
Manual control spreaders used	(y/n)	Y
Automatic or Zero-velocity spreaders used	(y/n)	
Estimated net reduction in typical year salt application	(lbs. or %)	0
Salt pile(s) covered in storage shed(s)	(y/n)	y

Storage shed(s) in design or under construction	(y/n)	N