

KANSAS STORMWATER ANNUAL REPORT FORM FOR MUNICIPAL SEPARATE STORM SEWER SYSTEMS (MS4s)

Check box if this
is a new name,
address, etc.

A. Permittee Information and Reporting Period

Permittee (Agency Name): City of Lawrence ☐

Mailing Address 1: Public Works Department ☐

Mailing Address 2: PO Box 708 ☐

City: Lawrence ☐

State: KS ☐

Zip Code: 66044 ☐

Contact Person: Matt Bond ☒

Contact Phone Number: 785-832-3142 ☒

Kansas Permit No.: M - K S 3 1 - S U 0 1
(Example) M - M C 2 1 - S U 0 1

Reporting Period

Place a check mark in
the box corresponding
to the current annual
report year.

Annual Report Year 1: Covers activities from October 1, 2004 - September 30, 2005 ☐

Annual Report Year 2: Covers activities from October 1, 2005 - September 30, 2006 ☒

Annual Report Year 3: Covers activities from October 1, 2006 - September 30, 2007 ☐

Annual Report Year 4: Covers activities from October 1, 2007 - September 30, 2008 ☐

Annual Report Year 5: Covers activities from October 1, 2008 - September 30, 2009 ☐

B. Executive Summary

Append an executive summary to this report which briefly covers the major aspects of the MS4 stormwater management program enacted during the year. In completing the executive summary, the preparer should address the following questions:

1. Were there any aspects of the program that appeared especially effective at reducing pollutants in your stormwater discharge?
2. Were there any aspects of the program that provided unsatisfactory results?
3. What was the most successful part of the program?
4. What was the most challenging aspect of the program?

The executive summary does not need to be extensive and detailed. It is anticipated the executive summaries will range from one half of a page to two pages in length depending on the scope of the program.



DAVID L. CORLISS
CITY MANAGER

City of Lawrence KANSAS

City Offices
Box 708 66044-0708
TDD 785-832-3205

6 East 6th
785-832-3000
FAX 785-832-3405

www.lawrenceks.org

CITY COMMISSION

MAYOR
MIKE AMYX

COMMISSIONERS
SUE HACK
DAVID M. SCHAUNER
MIKE RUNDLE
DENNIS "BOOG" HIGHBERGER

Executive Summary

The City of Lawrence Phase II Stormwater National Pollutant Discharge Elimination System (NPDES) Permit for City of Lawrence operated "municipal separate storm sewer systems" (MS4) became effective October 1, 2004. In the two years that the permit has been in place, the City of Lawrence has made considerable progress.

This report covers Stormwater Management Program (SMP) activities that took place from October 1, 2005 to September 30, 2006. Progress of individual best management practices (BMPs) listed under each of the six minimum control measures (MCM) is included, along with progress summaries for each MCM.

SMP activities conducted during this reporting period:

- Manage stormwater website including periodic updates.
- Participate in area events and festivals to promote stormwater quality.
- Placement of timely advertisements in area publications.
- Monitor construction sites for erosion and sediment control including follow-up for violations.
- Promotion of Rain Gardens as an on-site stormwater practice.
- Operation of Household Hazardous Waste Facility.
- Illicit discharge detection and reporting.
- Manage yard waste collection and compost facility.
- Completion of water settling basin in the Haskell Watershed.
- Distribution of educational materials on stormwater issues.
- Review Stormwater Pollution Prevention Plans (SWP3) for construction sites greater than 1 acre.
- Administer street sweeping and inlet inspection and cleaning activities.
- Maintain communications with City departments on stormwater issues.
- Map watersheds and outfalls for monitoring and educational purposes.

As stormwater quality awareness increased among citizens and city employees, the reporting of illicit discharges also increased. This increased awareness can be attributed to events such as the annual Water Festival which has experienced rising attendance each year. The use of publications, advertisements and presentations has also contributed to an increased understanding of stormwater issues.



Other strong components of our SMP include the Household Hazardous Waste and Yard Waste Collection and Composting Programs. Combined, these two programs resulted in the collection of nearly 10,000 tons of potential contaminants. Furthermore, nearly 2000 additional miles of streets were swept during this reporting period, with the amount of material collected remaining nearly the same as reported from the previous period. This would suggest less material is reaching our stormwater system, a trend to monitor over the coming years.

Construction sites continue to be one of the more frustrating aspects, as well as an area exhibiting the most progress. Significantly less sediment is being found during inspection of inlets in construction areas, suggesting that enforcement of erosion and sediment controls is having an impact. Continual monitoring is often required, however, for repeat offenders and noncompliance of SWP3s.

One challenge to be addressed will be the maintenance of post-construction BMPs. Numerous detention ponds, channels and other stormwater structures installed within the last few years will need to be inspected and maintained in the coming years. A plan for both public and private structures will need to be developed and implemented.

During this reporting period, the City of Lawrence has continued to make significant advancements towards improving stormwater quality. The City's efforts are on track with the items scheduled in the SMP and with the permit compliance deadlines.

C. Stormwater Management Program

	Place a check mark in the appropriate box.		
	Yes	No	Not Applicable
1. Has the Stormwater Management Program (SMP) been re-evaluated during this reporting period?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
2. Has the SMP been modified during this reporting period?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
3. If the answer to question 2 above was "yes", has the SMP been submitted to KDHE for approval?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<p>If the answer to item 3 is "No" a copy of the modified SMP must be submitted with this annual report. If it is anticipated a measurable goal cannot be met in the next year the SMP should be modified and submitted to KDHE for approval. The modifications may include different BMPs and/or revised goals to avoid being in a position of non-compliance.</p>			

D. Total Maximum Daily Load (TMDL) Best Management Practices

The permit requires the implementation of these BMPs prior to October 1, 2006.

	Place a check mark in the appropriate box.		
	Yes	No	Not Applicable
1. Were any best management practices (BMPs) intended to attenuate the discharge of TMDL regulated pollutants implemented?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2. List all of the BMPs intended to attenuate the discharge of TMDL regulated pollutants as identified in the SMP and provide the requested information on the following table.			

Total Maximum Daily Load (TMDL) Best Management Practices

BMP ID Number	Brief BMP Description	Regulated TMDL Parameter	Measurable Goal(s)	Progress on Achieving Goal(s) (Measured Result)
7.01	Include map of Baker Wetland watershed on website.	Dissolved oxygen	Map of Baker Wetland watershed designating neighborhoods within watershed to be included on website. Include specific BMPs for dissolved oxygen for homeowners.	Updated watershed map placed on website. Averaged 65 hits per month.
7.02	Implement project with Haskell Indian Nations through WaterLink to raise awareness of dissolved oxygen TMDL in Baker Wetlands.	Dissolved oxygen	Work with WaterLink to identify student or class willing to develop project on campus or within watershed to help decrease nutrient load in Baker Wetlands.	Develop and implement years 3-5.
7.03	Construct, maintain and monitor water quality settling basin.	Dissolved oxygen	Construct settling basin in the Haskell Watershed. Annual maintenance will be performed and low flow testing results will be obtained in year 1 and year 5 for comparison.	Construction of structure completed.

E. Stormwater Management Program Requirements (Six Minimum Control Measures)

1. Public Education and Outreach

The permit requires the implementation of these BMPs prior to October 1, 2005. List all of the public education and outreach BMPs as identified in the SMP and provide the requested information in the following table.

BMP ID Number	Brief BMP Description	Measurable Goal(s)	Progress on Achieving Goal(s) (Measured Result)
1.01	Include a stormwater web page on City's website.	Review existing website as an information link devoted to general stormwater pollution and the stormwater program. Effectiveness will be measured by the number of "hits" to site.	Site was updated. Averaged 244 hits per month.
1.02	Develop and distribute publications to promote water quality.	Publications to be distributed through community activities, local businesses, personal contacts and as targeted mailings. Track number of complaints and problems.	Brochures included yard waste, paint clean-up and disposal, pet waste and door hanger for homeowner violations. Over 130 contacts made - 250 brochures distributed.
1.03	All newly constructed stormwater inlets will have "No Dumping-Drains to River" stamped into concrete surface.	Require all new stormwater inlets to have "No Dumping-Drains to River" stamped into concrete surface. Map number of inlets marked.	All newly constructed inlets were stamped.
1.04	Participate in area programs and festivals to promote water quality.	Hold annual Water Festival to promote water quality, watersheds and stormwater pollution awareness. Present programs at schools and community events. Track numbers.	Held Water Festival in conjunction with Earth Day. 300 plus people attended. Participated in an additional 48 events reaching another 500 citizens.
1.05	Place paid advertisements in local publications to promote water quality.	Advertisements to be placed in Parks and Rec Activity Guide. Track number of guides distributed.	Rain Garden and proper disposal of leaves and yard waste ads placed in Activity Guide on 2 occasions. Total circulation 80,000.
1.06	Post construction site violations.	Increase the awareness of the general public concerning erosion by posting construction site violations. Provide contact information. Count number of sites posted.	48 construction sites posted. 238 contacts made with builders/contractors.

2. Public Involvement and Participation

The permit requires the implementation of these BMPs prior to October 1, 2005. List all of the public involvement and participation BMPs as identified in the SMP and provide the requested information in the following table.

BMP ID Number	Brief BMP Description	Measurable Goal(s)	Progress on Achieving Goal(s) (Measured Result)
2.01	Develop and implement a volunteer storm drain marking program.	Apply "No Dumping-Drains to River" decals to existing inlets. Track marked inlets using GIS.	All inlets marked and tracked with GIS mapping.
2.02	Establish partnership with WaterLink.	Work with WaterLink to develop projects for local university students. Track progress of projects.	Discussed possible projects and partnerships.
2.03	Public comment.	Provide contact information through advertisements, brochures, website and notices to allow public to voice their concerns.	Spoke with over 100 citizens about stormwater concerns.
2.04	Work with County Extension to install demonstration Rain Gardens.	Work with County Master Gardeners to design, install, maintain and promote demonstration Rain Gardens as an alternative stormwater practice.	Rain Gardens fully installed and being used for demonstrations. Promotion/education included 6 events with over 100 attendees.

3. Illicit Discharge Detection and Elimination

The permit requires the implementation of these BMPs prior to October 1, 2007.

	Place a check mark in the appropriate box.		
	Yes	No	Not Applicable
1. Has a program/plan been developed and is it presently implemented to detect and address illicit/prohibited discharges into the MS4?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
2. Has a map of the MS4 been developed, showing the location of all outfalls, either pipes or open channel drainage, showing the names and location of all streams or lakes that receive discharges from those outfalls?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
3. The permit requires the permittee enact certain ordinances or resolutions if the permittee has such authority. Has an ordinance or resolution to prohibit non-stormwater discharges into the storm sewer system been enacted?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4. Have public employees, businesses, and the general public been informed of hazards associated with illegal discharges and improper disposal of waste?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
5. List all of the illicit discharge detection and elimination BMPs as identified in the SMP and provide the requested information in the table on the following page.			

Illicit Discharge Detection and Elimination

BMP ID Number	Brief BMP Description	Measurable Goal(s)	Progress on Achieving Goal(s) (Measured Result)
3.01	Satellite site for hazardous waste disposal.	Operate Household Hazardous Waste and Recycling program including disposal site for common household pollutants. Patronage of disposal site will be monitored.	The HHW site logged 2048 visits resulting in 117,166 lbs of waste collected and 82 Small Quantity Generator dropoffs
3.02	Develop GIS coverage of storm sewer outfalls into Waters of the US.	All public storm sewer outfalls discharging to Waters of the US will be identified and mapped. Map will be regularly updated as improvements or new development occurs.	Watershed map developed last year currently being used. Outfalls into Kansas and Wakanusa Rivers identified on map.
3.03	Review and update current illicit discharge detection and elimination ordinance.	Review ordinance that prohibits illicit discharges and provides for an enforcement mechanism to allow for potential source inspection and elimination.	Ordinance in place.
3.04	Develop and air a non-point source pollution video.	Develop and air video addressing the effects of improper waste disposal on stormwater quality for business owners and residents. Include contact information.	Video completed.
3.05	Develop and implement procedures for correcting or eliminating illicit discharges.	Develop a Notice of Violation (NOV) and protocol to be used for ordinance violations.	NOV developed. 102 issued including 95 for construction sites.
3.06	Develop a yard waste program to pick-up and compost yard waste.	Develop a program which allows yard waste to be picked-up and composted at a central facility. Effectiveness measured by tons of yard waste picked-up annually.	8865 tons of yard waste was collected and taken to compost facility.
3.07	Develop BMP manual and compliance questionnaire for power washing contractors.	Develop and distribute a manual of BMPs for power washing (PW) contractors. Request information from PW contractors concerning business practices and wastewater disposal.	Distributed 5 manuals to PW contractors and business owners. Manual on website. Averaged 133 hits per month.

4. Construction Site Stormwater Runoff Control

The permit requires the implementation of these BMPs prior to October 1, 2007.

	Place a check mark in the appropriate box.		
	Yes	No	Not Applicable
1. The permit requires the permittee enact certain ordinances or resolutions if the permittee has such authority. Has an ordinance or resolution to address construction site runoff from new development and redevelopment projects been enacted?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2. Has a procedure or program been developed which requires construction site owners or operators to implement appropriate erosion and sediment control best management practices?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
3. Has a procedure or program been developed which requires construction site owners or operators to control waste such as discarded building materials, concrete truck washout, chemicals, litter, and sanitary waste at the construction site that are likely to cause adverse impacts to water quality?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
4. Has a procedure been developed that requires site plan review which incorporate consideration of potential water quality impacts?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
5. Has a procedure been developed for receipt and consideration of information submitted by the public?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
6. Has a procedure been developed for site inspection and enforcement of control measures?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
7. List all of the construction site stormwater runoff control BMPs as identified in the SMP and provide the requested information in the table on the following page.			

Construction Site Stormwater Runoff Control

BMP ID Number	Brief BMP Description	Measurable Goal(s)	Progress on Achieving Goal(s) (Measured Result)
4.01	Require Stormwater Pollution Prevention Plan (SWP3) for any land disturbance equal to 1 acre or greater.	Review and implement the regulatory ordinance that requires a SWP3 for any development disturbing 1 acre or greater.	Reviewed all SWP3s submitted for land disturbance of 1 acre or more.
4.02	Develop SWP3 guidance documents which include erosion and sediment control BMPs.	A design manual of erosion and sediment control BMPs, outlining proper design and maintenance, will be developed for engineers and developers.	Currently using KC Chapter APWA Erosion and Sediment Control Construction Specifications and Design Standards.
4.03	Monitor construction sites.	Review new building permits monthly and inspect sites for stormwater violations.	361 sites inspected based on new building permits issued.
4.04	Develop and implement procedure for construction site erosion and waste disposal.	Develop a Notice of Violation with follow-up enforcement to stop building permits and inspections until violation corrected. Sites to be posted with sign.	95 NOV's for construction sites issued, with 48 sites posted and permits/inspections stopped. An additional 238 contacts were made with contractors concerning stormwater issues.
4.05	Train engineering inspectors to enforce ordinance on public projects.	Provide engineering inspectors with information on erosion and sediment controls including proper installation. Meet periodically to discuss questions and concerns.	Met weekly with City Engineer and Engineering Inspectors to review SWP3 questions/concerns.
4.06	Print construction site requirements as stated in ordinance on all building permits issued.	Building permits issued through the City will include a statement concerning sediment control, disposal of construction materials and disposal of wastewater from concrete trucks.	Statement was printed on all permits issued.
4.07	Provide information concerning construction sites to Homebuilders Association for newsletter.	Provide Homebuilders Association with article concerning sediment control and disposal of materials for publication in their newsletter. Effectiveness based on circulation.	General information including websites of interest submitted.

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

The permit requires the implementation of these BMPs prior to October 1, 2007.

	Place a check mark in the appropriate box.
	Yes No
<p>1. The permit requires the permittee enact a program to address post-construction stormwater runoff from new development and redevelopment.</p> <p>The program developed to manage stormwater in new development and redevelopment projects must include the following elements:</p> <ul style="list-style-type: none">a. strategies which include a combination of structural and/or non-structural BMPs,b. measures to ensure adequate long-term operation and maintenance of BMPs.c. BMPs to prevent or minimize adverse water impacts. <p>Has a post construction stormwater runoff program been implemented?</p>	<div><input checked="checked" type="checkbox"/> <input type="checkbox"/></div>
<p>2. List all of the post-construction site stormwater management in new development and redevelopment BMPs as identified in the SMP and provide the requested information in the table on the following page.</p>	

Post-Construction Site Stormwater Management in New Development and Redevelopment

BMP ID Number	Brief BMP Description	Measurable Goal(s)	Progress on Achieving Goal(s) (Measured Result)
5.01	Develop a new or adopt an existing BMP design manual.	The manual will show design criteria for Low Impact Development (LID) techniques.	Currently using APWA manual. Draft manual to be completed in year 3.
5.02	Develop a regulatory ordinance.	Identify and review current development standards with possible changes to improve water quality. Regulatory ordinance will mandate the use of revised standards.	Current standards are being reviewed. Draft ordinance to be completed in year 3.
5.03	Construct, maintain and monitor water quality settling basin.	Construct settling basin in the Haskell watershed. Annual maintenance will be performed and low flow testing results will be obtained in year 1 and year 5 for comparison.	Construction of structure complete.
5.04	Establish buffer zones in areas of new development.	Establish a regulatory ordinance that will mandate the establishment of buffer zones along waterways.	Draft ordinance to be completed in year 3.
5.05	Design and install demonstration Rain Gardens at County Fairgrounds.	Design and install 2 Rain Gardens for demonstration purposes. Provide tours, written information and presentations to promote Rain Gardens.	Rain Gardens have been installed and are used as demonstration sites. 6 events have been held to promote gardens with over 120 participants.

6. Pollution Prevention/Good Housekeeping for Municipal Operations

The permit requires the implementation of these BMPs prior to October 1, 2006. List all of the pollution prevention/good housekeeping for municipal operations BMPs as identified in the SMP and provide the requested information in the table on the following page.

Pollution Prevention/Good Housekeeping for Municipal Operations

BMP ID Number	Brief BMP Description	Measurable Goal(s)	Progress on Achieving Goal(s) (Measured Result)
6.01	Develop and implement a street and inlet cleaning program.	A street sweeping and inlet cleaning program will be developed. A least 4500 lane miles will be swept annually.	7839 miles of streets were swept collecting 10,000 cubic yards of material. 120 structures were inspected, 47 were cleaned by Vac-con. 670 catch basins were cleaned manually.
6.02	Develop and implement proper waste disposal procedures.	The City will develop procedures for proper disposal of materials such as oil, street debris, salt from snow stockpiles and yard waste.	Maintenance garage recycles used motor oil. Yard waste is collected for compost facility. Street debris goes to landfill.
6.03	Contact City departments through email notifications concerning current water quality issues.	Timely emails will be sent to department supervisors to provide information about cleaning of impervious surfaces, yard waste and proper disposal methods.	Met with department supervisors to discuss stormwater issues. 43 illicit discharge complaints were received from other departments.
6.04	Contain bio-solids from wastewater plant to prevent contaminated runoff.	Place roof over bio-solids stockpile and direct runoff back to treatment plant.	Implemented.
6.05	Develop and implement spill response plan.	Draft spill response plan in cooperation with other departments to address spills, discharges and emergency releases that may impact surface water.	Plan has been developed.

F. Recordkeeping and Reporting

Attach a report which addresses the following subjects:

1. A general assessment of the appropriateness of the various BMPs included for each of the major program elements as follows:
 - a. TMDL regulated pollutants
 - b. Public Education and Outreach
 - c. Public Involvement and Participation
 - d. Illicit Discharge Detection and Elimination
 - e. Construction Site Stormwater Runoff Control
 - f. Post-Construction Site Stormwater Management in New Development and Redevelopment
 - g. Pollution Prevention/Good Housekeeping for Municipal Operations

Issues which may be addressed include:

- a. Are the BMPs appropriate for local population?
 - b. Are the BMPs appropriate for the pollution sources?
 - c. Are there specific concerns related to the local receiving waters that may justify a change in BMPs?
2. An assessment of the effectiveness of the BMPs towards achieving the statutory goal of reducing the discharge of pollutants to the Maximum Extent Practicable (MEP).
3. Provide a summary of results of information collected and analyzed, if any, during the reporting period, including any monitoring data used to assess the success of the SMP.
4. Provide a summary of the planned changes in stormwater activities which are scheduled to be undertaken during the next annual reporting cycle. This should address the implementation of new BMPs and/or the deletion of BMPs and include a projected schedule for the month or quarter when the BMP will be either implemented or discontinued. Please note a revised SMP should be submitted for KDHE approval if BMPs are revised.
5. Provide a list of other municipalities/contractors, if any, which will be responsible for implementing any of the program areas of the SMP.

MS4 Annual Report - City of Lawrence

1. A. *TMDL Regulated Pollutants –*

Baker Wetlands have been identified as impaired due to dissolved oxygen. The City has therefore focused on BMPs to reduce the nutrient load flowing into the wetlands. The newly constructed settling basin will not only help trap excess nutrients, but will act as an educational tool due to its visibility. Haskell Indian Nations University has a strong interest in Baker Wetlands, both environmentally and historically, and should prove a good partner for helping educate others in the watershed on how to further reduce the nutrient load.

B. *Public Education and Outreach,-*

Public education and outreach has been the basis for the entire stormwater quality program within the city. Most citizens and business owners, being unfamiliar with watersheds, NPS pollution, etc, are therefore unaware of possible violations. By distributing printed materials, placing advertisements, marking storm drains and participating in area programs, we are able to raise the awareness of stormwater quality. Similarly, a Notice of Violation has proven to be a good attention-grabber while still functioning in a predominately educational manner.

C. *Public Involvement and Participation -*

The City has developed several strong partnerships with other organizations to promote water quality. A partnership with K-State Research and Extension and the Douglas County Extension Master Gardeners resulted in the installation of two demonstration Rain Gardens. We plan to develop an Environmental Lawn Care program with these same partners in the coming year. The partnership with Kaw Valley Heritage Alliance, Conservation District, Farm Bureau, and others has allowed our annual Water Festival to grow each year. The ability to partner has also resulted in cooperative responses to several illicit discharge complaints. The continued development of partnerships will only result in a larger audience, with a better understanding of water quality by citizens overall.

D. *Illicit Discharge Detection and Elimination -*

The ability to prevent illicit discharges is, of course, far superior to responding to illicit discharges that have already taken place. Again, education is the key. The collection of HHW and yard waste is a strong step in eliminating potential pollutants from homeowners and small businesses. It also provides an educational opportunity for identifying other potential pollutants and contact information to report discharges. The Notice of Violation has worked well as a response to discharges, with the resulting clean-up and associated costs functioning as a deterrent for future violations. The mapping and inspection of inlets and outfalls is important in detecting illicit discharges and identifying the source.

E. *Construction Site Stormwater Runoff Control -*

The monitoring of construction sites, through building permits and SWP3s, identifies sites likely to experience erosion. This allows BMPs to be installed before problems develop. Information on choosing the appropriate BMP, along with proper installation and maintenance is provided to the builders and contractors. Violators receive a Notice of Violation stating the violation, remedy and a completion date. Follow-up enforcement consists of stopping building permits and inspections for the site and the posting of the site with a stormwater violation sign. This generally results in the violation being corrected. On-site visits, articles and printed materials are all useful in making sure construction sites are protected.

F. *Post-Construction Site Stormwater Management -*

The installation of structures designed to improve stormwater runoff are visible teaching tools for the entire community. The presence of Rain Gardens, riparian buffers, settling basins and similar techniques to control stormwater speak for themselves, enticing others to use similar designs. A design manual will also help promote many of these systems. Ordinances will need to be developed to ensure proper design as well as continued maintenance of practices installed to decrease runoff and increase quality.

G. *Pollution Prevention/Good Housekeeping for Municipal Operations -*

Street sweeping and inlet cleaning are important to reduce the solids entering the stormwater system. These practices are often noted by citizens too. Educating other city departments and employees about good management practices aids the City in eliminating potential sources of stormwater pollution within their own operations. City employees, trained to recognize violations, also become an extra set of eyes in the community to report violations. A joint effort is important for preventing problems and for responding to violations within the city.

2. At the present time, the City of Lawrence has taken an educational approach to improving its stormwater quality. This has been effective in that we are seeing the following results:

- An increase in calls/reports from citizens.
- An increase in "hits" to the stormwater website.
- The construction of structures designed to improve stormwater quality.
- The establishment of partnerships with several other organizations in the community.
- An increase in the number of programs and events.
- A decrease in the total number of NOV's including a decrease in NOV's for building sites.
- An increase in the number of contacts with builders and contractors.
- The cooperation of other city employees.

3. Summary of information collected and analyzed:

<i>BMP</i>	<i>Prior reporting period</i>	<i>Current Reporting period</i>
Contacts with builders/contractors	150	238
Water Festival participants	200	300
Small Quantity Generator dropoffs to HHW	62	82
Miles of streets swept	5888	7839
Total number of NOV's issued	152	102
Total NOV's issued for building sites	131	95
Public comments	90	100
Rain Garden event participants	75	100

4. We plan to revise our SMP this year and will submit an updated copy to KDHE when complete.
5. No other municipalities or contractors will be responsible for implementing any areas of the SMP.

Please find a map of MS4 showing all outfalls enclosed.

G. 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."

Charles F Soules 1/22/07
Signature of Permittee (legally responsible person) Date Signed

Charles F Soules Dir of Public Works
Name (printed) Title

40 CFR 122.22 Signatories to permit applications and reports.

(a) Application. All permit applications shall be signed by either a principal executive officer or ranking elected official.

All reports required by permits, and other information requested by the Director shall be signed by a person described in paragraph (a) of this section, or by a duly authorized representative of that person.

Submit this report to:

KANSAS DEPARTMENT OF HEALTH & ENVIRONMENT
Municipal Programs Section
1000 SW Jackson Street, Suite 420
Topeka, Kansas 66612-1367