

Public Education and Outreach requires that educational materials or outreach activities be developed to encourage the public to help reduce pollutants in stormwater runoff.

Decisions were made by City staff to target elementary students and possibly some students in the St. Joseph School District gifted student program.

To address adults, participation in the local home and garden show generally held in the early spring was started.

For more visibility and recognition, participation in a parade in the spring and a Fall Festival after a parade were implemented.

Following is the summary of Program Area 1 as it was included in the July 28, 2012 submittal of the Annual MS4 Report from the City of St. Joseph:

Public Education and Outreach on Storm Water Impacts

Implementation Status

1. Summary of the Public Education and Outreach program shows that established programs of pollution prevention are still in place. The Household Hazardous Waste days, Clean Sweep Week, and the relocated Recycling Center are successful programs and continue to help reduce the pollution potential of the City.

2. Status of Measurable Goals

Best Management Practices	Measurable Goal	Implementation
Household Hazardous Waste Collection	<ul style="list-style-type: none"> • 2 one-day collections during the MS4 reporting cycle of June 13, 2011 to June 12, 2012 • Just under 37 tons of hazardous waste collected 	<p>October 15, 2011: 36,969 pounds collected</p> <p>April 28, 2012: 37,006 pounds collected</p> <p>Waste collected included anti-freeze, car batteries, paint, paint thinner, herbicides/pesticides motor oil and cleaning agents</p>
Clean Sweep Week	<ul style="list-style-type: none"> • 2 one-week collections held during the MS4 reporting cycle of June 13, 2011 to June 12, 2012 • A total of 1,714 loads accepted • Just over 453 tons of waste collected 	<p>October 1-7, 2011: 630 loads totaling 335,860 pounds collected</p> <p>April 1-7, 2012: 1,084 loads totaling 570,660 pounds collected</p>

Recycle Center	<ul style="list-style-type: none"> • Recycle Center relocated to a more central location in March 2011 • 33,670 vehicles dropped off over 485 tons of recyclables 	970,939 total pounds paper, glass, aluminum and plastic recycled in the MS4 reporting cycle of June 13, 2011 to June 12, 2012
Media Publications	<ul style="list-style-type: none"> • Numerous newspaper articles were generated during the reporting period on various local wastewater issues 	City Weekly, St. Joseph News-Press, City website and local cable access channel
Giveaways	<ul style="list-style-type: none"> • Manned a booth at the 2012 Spring Home Show • Entered a float in the May Apple Festival Parade • Public Works Day 	<p>Handed out literature about rain barrels and gave away 3 rain barrels after scheduled demonstrations</p> <p>Displayed rain barrels decorated by 8 elementary schools</p> <p>Prepared 100 rain barrels for give away to the public Operations conducted tours of Water Protection</p>
Workshops	<ul style="list-style-type: none"> • Rain Barrel workshops • Rain Garden workshops 	<p>Conducted 3 rain barrel workshops</p> <p>Conducted 2 rain garden workshops and participated in the building of a rain garden.</p> <p>Also constructed a mini-rain garden at the wastewater protection facility where sidewalks had been installed</p>

Speaking Engagements	<ul style="list-style-type: none"> • Noon Kiwanis Clubs • Live at 5 on KQ-TV 	<p>Sean DeWeese spoke on the MS4 plan for the City of St. Joseph at 2 separate noon meetings.</p> <p>Sean DeWeese appeared 2 separate times on the Live at 5 segment on the local television channel to promote Rain Barrel workshops at the Home Show in February and again to promote the Rain Garden seminar at St. Joseph Museums in May.</p>
Water Protection Facility Tours	<ul style="list-style-type: none"> • Hays, KS Community College • Council Worksession in May 2012 	<p>One group of 14 students with one adult toured in May</p> <p>20 people attended including councilpersons, speakers and Public Works employees. A tour followed the session</p>
Industry Day	Held annually at the WPC plant.	The annual event was held in October 5, 2011. Eleven industry representatives attended.

Overall compliance with permit conditions:

Overall compliance with the permit conditions for Public Education and Outreach on Stormwater has been ongoing. The City has been diligent in sending the message to reduce pollutants. Including storm water/ water quality components into that message is ongoing. The City is working to develop a comprehensive plan that addresses each compliance issue and provide definitive goals to achieve that compliance.

Stormwater activities you plan to undertake during the next reporting cycle

A revised Stormwater plan was submitted at the end of the reporting period ending June 12, 2011.

New Comments:

Proposed changes to the program area:

On going programs such as the City-wide Clean Sweep and the Hazardous Waste collection will continue.

A new Stormwater Activity Handbook was created and will be distributed during an early May parade along with pencils (and some candy) to younger spectators.

Either seminars will be presented or a booth will be manned at the local Home Show in the early spring. Target information will be how to make and install rain barrels.

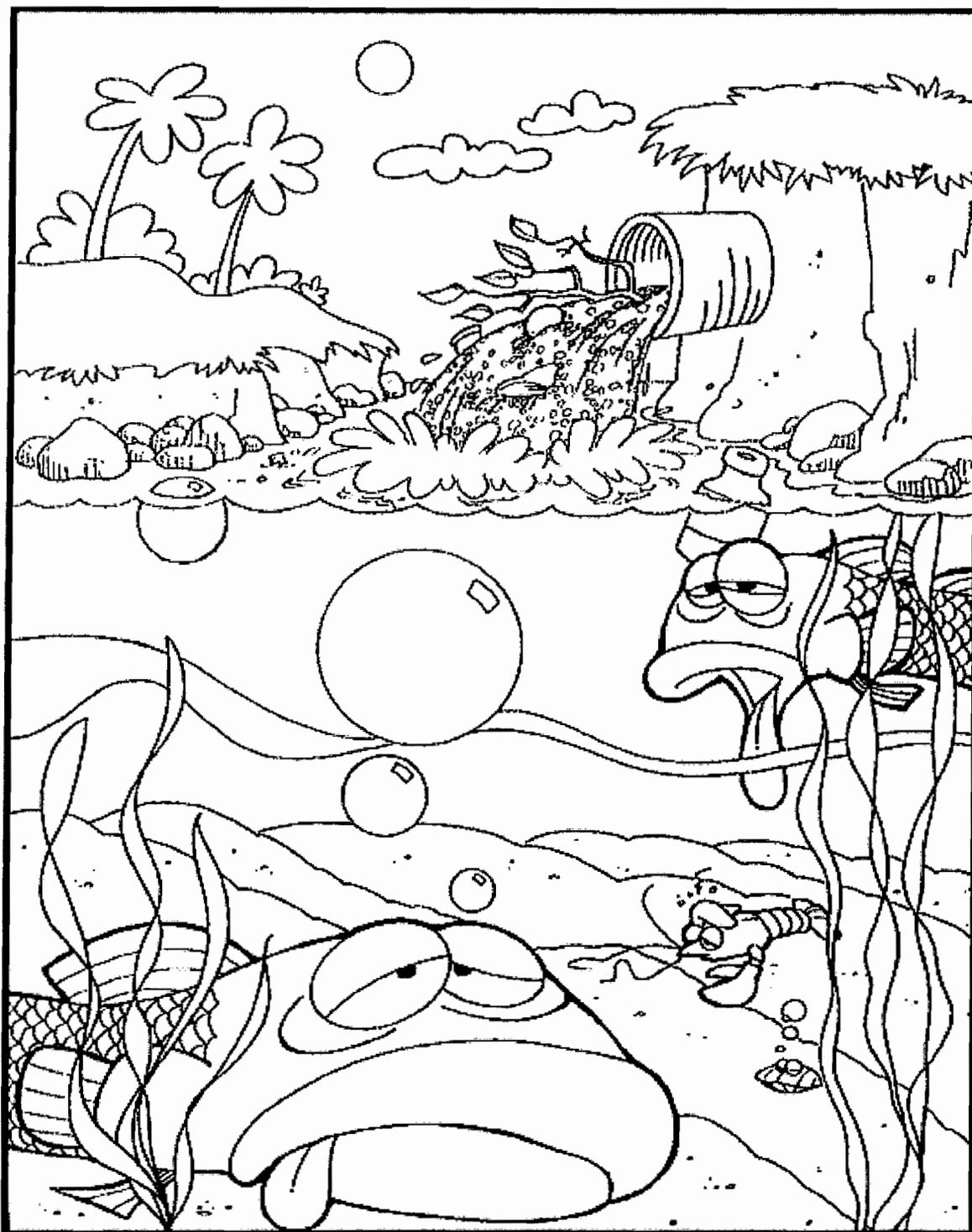
Several seminars are scheduled for spring on rain barrels and rain gardens and a small rain garden has been planted at the entrance to the Water Protection Facility and it will be added to yearly. Tree plantings may be done also at the front of the plant along the sidewalk that was installed.

Stormwater Activity Book



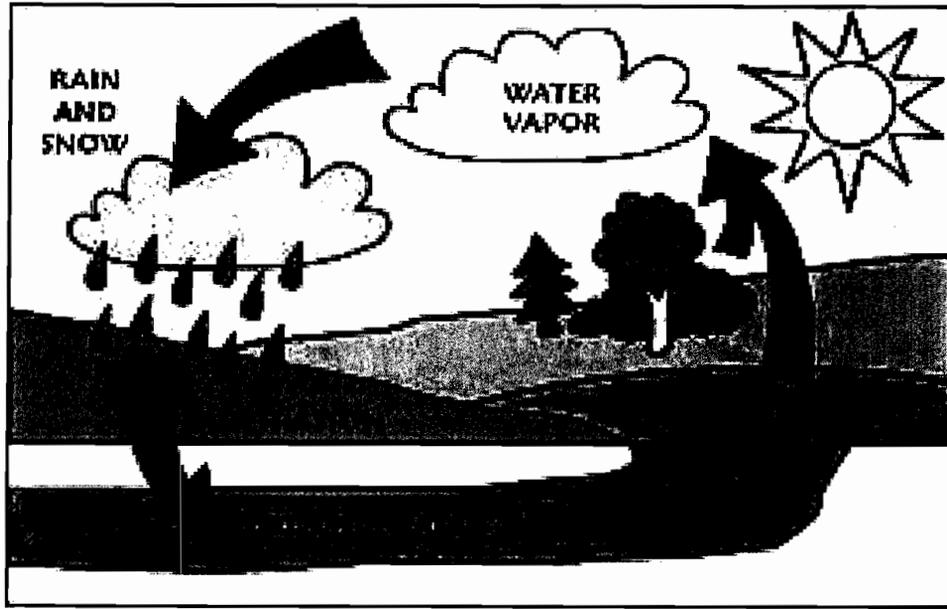
Brought to you by The City of St. Joseph Stormwater Program





Keep our water clean.
Only rain down the drain.

The Water Cycle

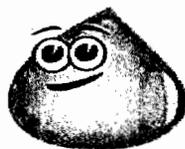


Did you know...that the water you drink and use is as old as the earth! The earth's water supply is about the same as it was millions of years ago. Every molecule of water is recycled over and over through a process called the water cycle. More than 99% of the earth's water is salt water. That leaves only 1% of the earth's water for us to use! Help keep our water clean, only rain down the drain!

Stormwater Fun

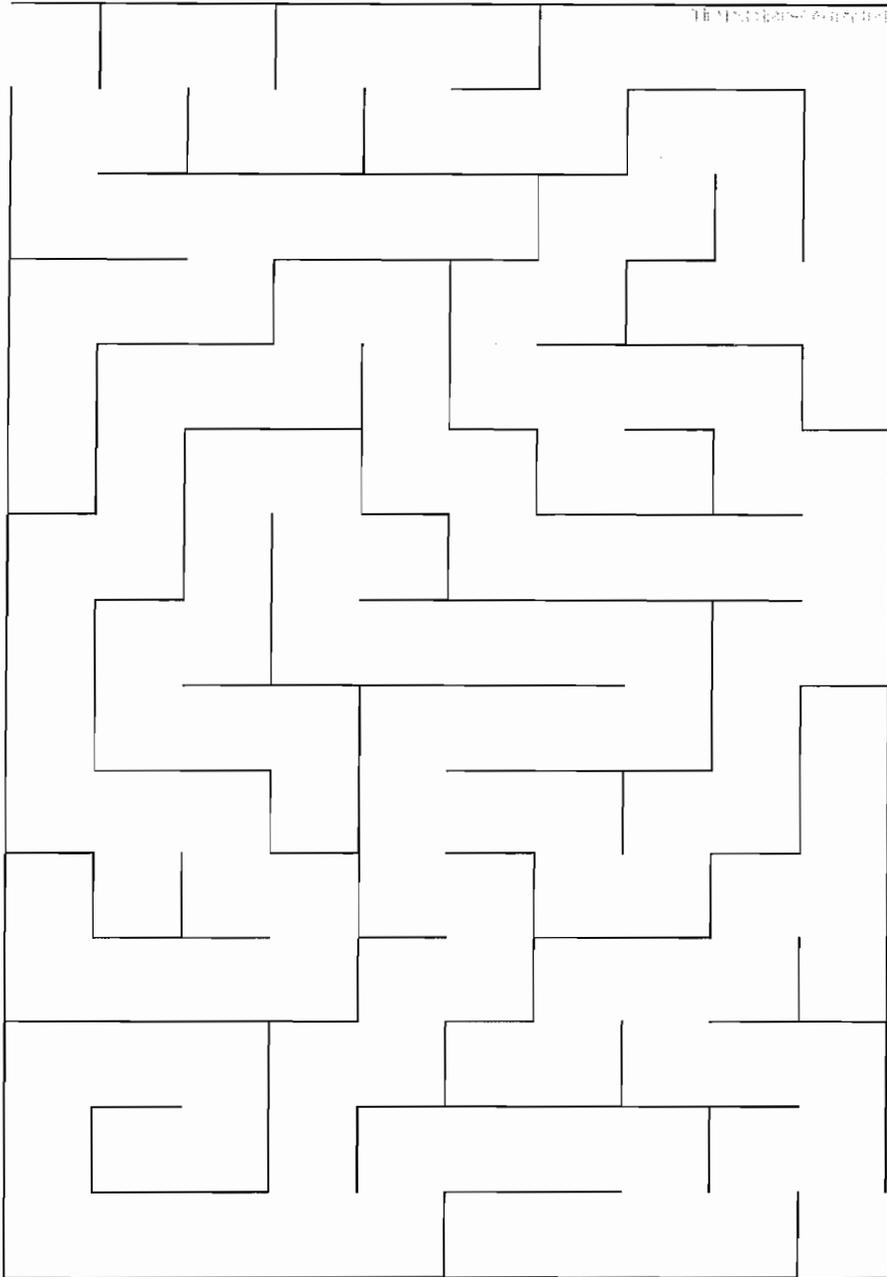
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DRAIN
POLLUTION
RAINBARREL
RAINGARDEN
RUNOFF
SEWER
STORMWATER
STREAM
WILDLIFE



MAZE CRAZE

LEAD THE WATER DROPLET THROUGH THE MAZE INTO
THE STORM DRAIN



Keep your
Neighborhood
clean

If you see trash on the ground,
toss it in the trash can



Public Involvement and Participation requires public involvement and participation in the established program and input into how the program will evolve.

A citizens group was involved in the initial application for an MS4 permit. This has evolved into City staff continuing work to implement those suggestions.

As stated in the **Public Outreach** section, several City-wide programs were established and are continuing such as the Clean Sweep program and the Hazardous Waste collection.

Neighborhood associations have taken it upon themselves to do major area clean-ups. Additionally several groups have done stormwater inlet marking in the MS4 regulated area to the east of State Highway 169 to remind residents that any waste will go directly to the 102 River.

Public comment for the Stormwater Program is available on the City website, www.ci.st-joseph.mo.us.

Following is the summary of Program Area 2 as it was included in the July 28, 2012 submittal of the Annual MS4 Report from the City of St. Joseph:

Public Involvement and Participation

Implementation Status

1. Summary of Public Involvement and Participation has shown that there is a sizable volunteer effort within the City of St. Joseph. Neighborhood clean-ups in the second half of 2011 and the first half of 2012 have provided trash pick-up, larger debris removal thereby helping control debris that could get into the stormwater system.
2. Status of Measurable Goals:

Best Management Practices	Measurable Goal	Implementation
Collaborative Groups	<ul style="list-style-type: none"> • Work with St. Joe Serve • Total of 34.09 tons of trash collected in one event on September 28, 2011. 	A group of St. Joseph churches help with home repairs/improvements for elderly, disabled and disadvantaged as well as families of deployed military.
Volunteer Organizations	<ul style="list-style-type: none"> • Central Neighborhood Watch • Wellspring Church • Open Door Food Kitchen • Habitat for Humanity • Total of 14.61 tons of trash collected 	Volunteer organizations continued collections of debris in separate events during the reporting cycle.
Larger Neighborhood Clean-Ups	<ul style="list-style-type: none"> • Southside Progressive Association • Sherwood Neighborhood Association • South 13th Street Neighborhood Association • Total of 14.62 tons of trash collected 	Three larger Neighborhood Associations participated in cleanups during the reporting cycle from June 13, 2011 through June 12, 2012, one, the South 13 th Street Neighborhood Association held 2 clean-ups during the reporting period.

<p>Smaller Neighborhood Clean-Up Projects</p>	<ul style="list-style-type: none"> • 18 Smaller Neighborhood Clean-Ups were held throughout St. Joseph during the reporting cycle from June 13, 2011 to June 12, 2012. • Several of the neighborhood associations, Harris Kemper, Museum Hill, Ashland and Wilshire Place Home Neighborhood Associations each held 2 Clean-up Projects. • Total of 54.77 tons of trash collected 	<p>Northridge Estates, Northridge Homeowners Lovers Lane, Harris Kemper, Museum Hill, Wilshire Places Homes Association, Ashland Neighborhood Association, and Fairleigh Place, Country Squire Association, Mobile Lane Association, Villas at Wilshire Town Home Association, Greenwood Neighborhood Association, Westminster Place Association and Northend Community Association all participated in cleanups.</p>
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Overall compliance with permit conditions

Overall compliance with the permit conditions for Public Involvement and Participation is being met through a variety of clean-up efforts by the City. Citizen volunteers are already in place and contacts and working relationships have already been developed.

Stormwater activities you plan to undertake during the next reporting cycle

A revised Stormwater plan was submitted at the end of the June 12, 2011 reporting cycle.

Illicit Discharge Detection and Elimination requires the development of a program to detect and deal with illicit discharges.

Ordinances have been developed and included into the City Code. This information is available on the St. Joseph City website at www.ci.st-joseph.mo.us in Chapter 29.

Sewer Line Maintenance has developed paperwork for dealing with all types of discharges by an internal coding system and these reports are distributed within the City to pertinent individuals. Sewer Line Maintenance has also worked on further developing their CMOM program. Water Protection has recently filled the position of FOG Technician and that person is actively developing and implementing information for establishments that could have FOG issues in their lines. Before the FOG person began the outreach and education program, the City Ordinances were modified by the City Council. These revisions are available on the City website at www.ci.st-joseph.mo.us, also in Chapter 29.

All employees of the City of St. Joseph are encouraged to report any suspicious water flows or discharges to Water Protection or Sewer Line Maintenance. The complaint will be investigated and actions taken as needed. Citizen complaints are routed through the City 24 hour Customer Assistance Line during off hours and are handled through investigation and actions as needed.

Following is the summary of Program Area 3 as it was included in the July 28, 2012 submittal of the Annual MS4 Report from the City of St. Joseph:

Illicit Discharge and Detection

Implementation Status

1. Summary of Illicit Discharge and Detection program for the City of St. Joseph indicates that the City is complying. The detection and elimination programs continue to evolve.
2. Status of Measurable Goals:

Best Management Practices	Measurable Goal	Implementation
Storm Sewer Mapping	Storm sewer mapping is available as an electronic model of all 24" pipes and larger ditches within the City.	Electronic and paper models are available in the Engineering Department.
Detect Illicit Discharges	<ul style="list-style-type: none"> • Dye Testing • TV Sewer Lines • Sewers Cleaned 	<p>139 dye tests were performed during the reporting cycle.</p> <p>9.62 miles of sewer line inspected during the reporting cycle.</p> <p>57.41 miles of sewers were cleaned during the reporting cycle.</p>
Aerial Crossings	Midland GIS has been contracted to document the GPS location of all aerial sewer crossings in the City of St. Joseph.	Completed in early 2011.
Additional Outfalls	None	

City Ordinances	<ul style="list-style-type: none"> • Section 15 – Environment • Section 29-162 – Disposal of untreated water • Section 24-1 thru 24-4 – Unauthorized disposal of solid waste • Section 25-95 – Provisions for fines for non-compliance with Section 24 and 15. • Section 29-131 thru 29-253 – Residential and Commercial Sewer and Sewage Disposal 	Health Department Water Protection Water Protection Water Protection Water Protection
Location Illicit Discharge Stopped	<ul style="list-style-type: none"> • Odor complaints are investigated upon receipt • Inspections and vigilance by City personnel have greatly reduced illicit discharges 	Occurrences were quickly repaired and have been re-inspected by the City Property Maintenance Division
Sanctions	<ul style="list-style-type: none"> • No sanctions were taken against residential or commercial entities due to storm water issues from June 13, 2011 to June 12, 2012. 	

Overall compliance with permit conditions

The City has a detection and elimination program in place with the Sewer Line Maintenance Department. Notification of storm water issues come from citizen complaints and routine maintenance inspections performed by City Code Enforcement/Property Maintenance Division. Mapping of the complete sewer system has been completed by an outside contractor and is available on the City website. The mapping includes aerial crossings, underground stream crossings and significant industrial users. Ordinances and policies are currently in place to prohibit illicit discharges and are reviewed periodically.

Stormwater activities you plan to undertake during the next reporting cycle

A revised Stormwater plan was submitted at the end of the June 13, 2011 reporting cycle.

Inspections and formal enforcement actions performed

Inspections for Illicit Discharge and Detection consisted of a field survey of the receiving streams, smoke and dye testing for detection of illegal connections, follow-up on industrial and commercial spills, and the annual inspection of each permitted industry. No formal enforcement actions for storm water non-compliance were made to any residential, commercial, or industrial customer in the cycle just completed. All entities complied with inspection requirements without the need for formal sanctions.

Construction Site Storm Water Runoff requires an enforcement program for runoff at construction sites.

Such a program was developed and implemented in 2003 in the City of St. Joseph. City Ordinances 25-94 address this issue and are available on the City website at www.ci.st-joseph.mo.us. Contractor Education is still something that needs to be addressed although each contractor is briefed when a permit is requested. No general meeting of contractors has been held. Inspections are ongoing and all City employees are encouraged to report discrepancies (i.e. fallen silt fences, etc) so that they are corrected as quickly as possible. Again, citizens are able to report concerns on a 24-hour Customer Assistance Line or they can report concerns on the City website.

Following is the summary of Program Area 4 as it was included in the July 28, 2012 submittal of the Annual MS4 Report from the City of St. Joseph:

Construction Site Storm Water Runoff

Implementation Status

1. Summary of the Construction Site Storm Water Runoff program for St. Joseph indicates that the City is complying. A Land Disturbance Policy and Storm Water Management Policy have been adopted by the City and are being enforced through plan review and inspections. Any citizen complaints are addressed in an efficient manner. There are many opportunities available for public comment through the various City public venues.

2. Status of Measurable goals:

Best Management Practices	Measurable Goal	Implementation
Land Disturbance Policy	Adopted in 2003	148 Land Disturbance Permits issued from June 13, 2010 to June 12, 2011.
Storm Water Management Policy	Promulgated in 2003	City Ordinance 25-94, available on City Website, www.ci.st-joseph.mo.us .
Contractor Education	Development in progress.	
Development Review Committee	Representatives from Health, Fire, Building, Engineering, Water Protection	Review 100% of all permit requests
City Inspectors	Engineering Department Inspections	Inspections have been occurring since 2003 when the land disturbance policy was adopted.
Sanctions	Sanctions are available to be enforced through policy and City Ordinance.	

Information/Complaints Receipt	The 24-hour Message Line as well as the 24-hour Emergency Line registers complaints which are addressed as soon as possible by City personnel.	
Follow-up Inspections after Rain Event	Engineering Department Inspections	Occurring since 2003 when land disturbance policy was adopted.
Building Codes	The City follows the International Property Maintenance Codes	2006 International Building Codes were adopted in 2007.
Public Comment Opportunities	<ul style="list-style-type: none"> • City Talk • Government Access TV • Mayor and Council • Public Hearings • Weekly Radio Call-In 	<ul style="list-style-type: none"> • Monthly Meeting • 24-Hour Channel • Twice monthly meeting, open to public • Quarterly Meetings • City Manager or Mayor
Water Quality/Storm Water Hotline	<ul style="list-style-type: none"> • 24-Hour Message Line answered by City Manager's Office • 24-Hour Emergency Line answered by City Yards • Website Contact where citizens can E-mail City Officials 	

Overall compliance with permit conditions

The land disturbance policy implemented and enforced by the City of St. Joseph is more stringent than required in the MS4 permit. The City's land disturbance policy addresses land disturbances greater than 1000 square feet. There are also stricter requirements for land disturbance that occur near a stream or wetland. Construction site BMPs and waste

control are being enforced City-wide with spot inspections and follow-up inspections by the Engineering Department personnel.

Stormwater activities you plan to undertake during the next reporting cycle

A revised Stormwater plan was submitted at the end of the June 13, 2011 reporting cycle.

Inspections and formal enforcement actions performed

The City Engineering Department has been performing stormwater management inspections year-round since 2003 when the land disturbance policy was adopted.

Post Construction Storm Water Management requires development of a program that will provide water quality treatment through site design opportunities.

Land disturbance policies were implemented in 2003 and included as part of the City of St. Joseph Ordinances. These are available on the City website, www.ci.st-joseph.mo.us. The City Engineering department is involved in the review of and approval of permits. Each contractor/developer is given the information that is required of them when they apply for a permit. Inspections are on-going before, during and after the construction. Contractors/developers are encouraged to include “green” initiatives in their design and build. The City itself is retrofitting some areas included in its established Parkway System that will slow down some storm water runoffs, thus becoming an example of what is expected of others.

Following is the summary of Program Area 5 that was included in the July 28, 2012 submittal of the Annual MS4 Report from the City of St. Joseph:

Post-Construction Storm Water Management

Implementation Status

1. Summary of the Post-Construction Storm Water Management for the City of St. Joseph overall indicates that the City is complying. The Land Disturbance Policy and Storm Water Management Policy require a Storm Water Management Plan be submitted by the contractor with each development review request. The City Engineering department inspects each construction site for proper Best Management Practices (BMP) and adherence to the submitted Storm Water Management Plan. A post-construction inspection is performed to determine if permanent BMPs are in place and effective.

Urban renewal is an ongoing project in St. Joseph with an Historic Tax Restoration Credit and Brownfield Redevelopment already in place for many years.

2. Status of Measurable Goals:

Best Management Practices	Measurable Goal	Implementation
Post-Construction Policy Changes	<ul style="list-style-type: none"> • Land Disturbance Policy • Storm Water Management Policy 	January 2003 City Ordinance 25-94, available on City Website, www.ci.st-joseph.mo.us .
Developer Education	Currently, developer education takes place as projects are brought to the City for review.	
Urban Redevelopment Encouragement	<ul style="list-style-type: none"> • Historic Tax Restoration Credits • Brownfield Redevelopment 	Increased housing and population downtown
Development Review	Committee consists of City Departments of Health, Fire, Building, and Engineering and Water Protection.	174 Land Disturbance permits approved from June 13, 2011 through June 12, 2012.

Overall compliance with permit conditions

Overall compliance with the permit conditions for Post-Construction Storm Water Management has been met. The Engineering department routinely performs post-construction inspections. Regional detention ponds and the use of bio-retention is being encouraged with developers within the City. Urban redevelopment continues to be a focus for the City.

The City has been successful in enforcing the land disturbance and storm water policy. The City is working to develop a comprehensive plan that addresses each compliance issue and provide definitive goals to achieve that compliance and to educate individuals implementing the policies.

Stormwater activities you plan to undertake during the next reporting cycle

A revised Stormwater plan was submitted at the end of the June 13, 2011 reporting cycle.

Inspections and formal enforcement actions performed

The City Engineering Department routinely inspects all land disturbance projects pre- and post-construction. No stop work orders or citations were issued from June 13, 2010 to June 12, 2011.

Pollution Prevention/Good Housekeeping for Municipal Operations

requires that the City develop an O&M program that includes training with the goal of preventing or reducing pollutant runoff from municipal operations.

This step is a part of each employee of the City of St. Joseph's job every day. Streets and Sewer Line Maintenance have many duties that specifically address flows into inlets, while sections such as Property Maintenance are periodically checking that debris is not allowed to pile up on private properties and become an issue. City construction projects are scrutinized so that an example is set for other contractors while inspections are an on-going task. Employees are encouraged to report "suspect" conditions and any reported issue is evaluated and dealt with as needed. Employee orientation includes information on responsibilities as a citizen/employee to keep areas from adding to pollution levels.

Following is the summary of Program Area 6 as it was included in the July 28, 2012 submittal of the Annual MS4 Report from the City of St. Joseph:

Pollution Prevention and Good Housekeeping within Municipality

Implementation Status

1. Summary of the Pollution Prevention and Good Housekeeping in the City of St. Joseph indicates that the City is complying with the parameters. City-owned structures are maintained to reduce stormwater run-off and also to reduce floatables and other contaminants from accessing waterways.

2. Status of Measurable Goals:

Best Management Practices	Measurable Goal	Implementation
Training City Employees	<ul style="list-style-type: none"> • Training of the new land disturbance and storm water policies. 	Training is planned for City employees to address stormwater issues. A short training video is on site for use.
City Construction Projects	<ul style="list-style-type: none"> • Expansion of Riverwalk Trail • Construction completed on new City all purpose recreational center 	Silt fencing was installed during construction of project and kept in good condition for the duration of the projects. Drainage concerns were addressed at all sites
Industries with Storm Water Permits in MS4 Area	<ul style="list-style-type: none"> • 11 Industries with NPDES Stormwater Discharge permits within the City MS4 area. 	A stormwater inspection section was added to all pretreatment inspections in 2007. 33 pretreatment inspections were performed during the reporting cycle.

City Properties with Storm Water Permits in MS4 Area	<ul style="list-style-type: none"> • City Landfill, Water Protection and Rosecrans Airport 	Areas are operated within permit limits and reporting requirements are met.
Street Sweeping	<ul style="list-style-type: none"> • The City maintains 426 miles of streets. 	Streets within the City are sectioned off into areas with each area being completely swept at least one time a year.
Snow and Ice Removal	<ul style="list-style-type: none"> • The City stores ice and snow removal materials throughout the year in a covered facility. 	A combination of salt and sugar beet molasses is used for ice and snow removal.
Inlet Cleaning and Repair	<ul style="list-style-type: none"> • The City operates two, 2100 series Vactor trucks with two-person crews to clean inlets. 	2,929 inlets were cleaned during the reporting cycle.
Sewer Lines TV inspected and cleaned	<ul style="list-style-type: none"> • The City operates a sewer televising unit with 1000' of cable mounted in a panel van. 	9.62 miles of sewers were TV inspected during the reporting cycle. 57.41 miles of sewers were cleaned during the cycle.

Overall compliance with permit conditions

Overall compliance with the permit conditions for Pollution Prevention and Good Housekeeping in the City of St. Joseph has been met for reducing pollutants in the waterways and maintenance of City properties to reduce stormwater run-off.

Stormwater activities you plan to undertake during the next reporting cycle

A revised Stormwater plan was submitted at the end of the June 12, 2011 reporting cycle.

Inspections and formal enforcement actions performed.

No formal inspections were performed during the permitting cycle to address Pollution Prevention and Good Housekeeping by the City of St. Joseph. This practice is ongoing as all employees make it a part of their job duties.