

St. Charles Parish 2011 Annual Stormwater Report

April 2012

St. Charles Parish, LA



CH2MHILL.

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I. Introduction

Stormwater discharges from St. Charles Parish are regulated by The Louisiana Pollutant Discharge Elimination System (LPDES) General Permit LAR041032 for discharges from Regulated Small Municipal Separate Storm Sewer Systems (MS4s). This permit was reissued to the Parish by the Louisiana Department of Environmental Quality (LDEQ) on December 5, 2007.

Stormwater discharges from municipal separate storm water systems are regulated at both the federal and state levels. In 1990, EPA established Phase I of the MS4 Program for cities with a population greater than 100,000 with separate storm sewers that convey stormwater. In 2000, Phase II of the program expanded coverage to smaller municipalities which includes St. Charles Parish.

In July 2003, LDEQ informed St. Charles Parish of the MS4 Stormwater Compliance Requirements. St. Charles Parish responded in September 2003 and filed their Notice of Intent (NOI) to discharge in order to comply with the requirements of the permit. On December 5, 2007, LDEQ reissued St. Charles Parish LPDES General Permit.

The 2012 Annual Report will act as a living document to be added to and enhanced in the coming years with the goal of improving the quality of stormwater received by the surrounding water bodies. Every year St. Charles Parish will use this document to review their status of compliance, assess the appropriateness of identified Best Management Practices (BMPs), and consider changes and amendments to reach a higher level of compliance to insure higher quality stormwater.

II. Results of Information Collected and Analyzed

CH2M HILL has been tasked by St Charles Parish to assist the Parish in achieving compliance with the LDEQ MS4 Program. In 2010, St. Charles Parish performed an evaluation of the status of storm water management activities in the Parish

With the completion of the 2010 annual report, St. Charles Parish established a Stormwater Management Program to address the six minimum control measures and map a plan forward to ensure the Parish is in compliance with their MS4 permit. This program recognized that many of the components of the 6 minimum control measures were being performed by the Parish and were unreported. In 2011, St. Charles Parish established a filing system to capture documentation of BMPs that the Parish has been implementing for the past several years including; Household Hazardous Materials Collection Day, Trash Bash Day, addressing dumping concerns, culvert cleaning, tracking sewer complaints, and logging of Sanitary Sewer Overflows. The Parish also began reporting for the first time drainage related capital improvement projects and spill control measures as part of the MS4 improvement process.

Household Hazardous Materials Collection Day has been held annually in St. Charles Parish since 1998 with its purpose to provide area households an opportunity to properly dispose or recycle materials that are inappropriate for curbside pickup. Materials such as solvents, pesticides, herbicides, used oil, and corrosives require special handling to minimize safety and environmental impact.

For more information see <http://www.hhmcd.com/index.html>

Twice per year, in March and October, St. Charles Parish organizes Trash Bash day. Volunteers from the community, including students and representatives from local industry, pick up roadside debris and inform the community that roadside pollution directly contributes to the contamination of local receiving waters.

For more information see <http://www.stcharlesparish-la.gov/index.aspx?page=761>

In 2011, the Parish also began reporting information which is gathered for the Public Works and Wastewater Departments monthly reports related to stormwater BMPs. Through these reports, the Parish continues to track sewer, drainage, and dumping concerns, culvert cleaning operations, and capital improvements.

III. Status of Compliance with Permit Conditions, Six Minimum Controls and BMPs

The MS4 Phase II Rule defines a storm water management program for a small MS4 as a program composed of six elements that, when implemented together, are expected to reduce pollutants discharged into receiving waterbodies to the maximum extent practicable (MEP).

These six program elements or minimum control measures are:

- Public Education and Outreach on Storm Water Impacts
- Public Involvement/Participation
- Illicit Discharge Detection and Elimination
- Construction Site Runoff Control
- Post-Construction Storm Water Management in New Development and Redevelopment
- Pollution Prevention/Good Housekeeping for Municipal Operations

Based on the Notice of Intent (NOI) sent to LDEQ, the Parish has committed to measurable goals to address each of the six minimum controls through selected BMPs. The forms in Appendix A of this document are an example of the BMPs designed to address one or more measurable goals and commitments made to LDEQ.

1. Public Outreach/Involvement

The Parish developed a link from the Residents tab on the Parish homepage to a new stormwater information page. With the assistance of an environmental consultant, the Parish has further developed the website to include Frequently Asked Questions (FAQs) links from EPA, LDEQ and the Center for Watershed Protection, as well as a video link to "After the Storm". The Parish stormwater page has a link for reporting drainage and garbage concerns. Future development of the website will include links on the parish stormwater ordinances and management practices. The Parish will continue tracking and responding to complaints and concerns. These complaints and concerns are received in a number of ways including through the website, but also through telephone, email, and verbal communication with Parish officials.

As part of the public outreach campaign, the Parish began airing the EPA documentary "After the Storm" on Channel 6 on March 1st and will continue to air the first of every month at 9:30 am.

2. Public Involvement/Participation.

Through Household Hazardous Material Collection Day and Trash Bash Day, the Parish has developed relationships with local industry, schools, and other organizations to create awareness and provide a platform for stormwater improvement outreach throughout the community.

In 2011, the Parish began distribution of construction site runoff pamphlets at all pre-construction meetings. The parish also identified additional target audiences and modified an existing auto-maintenance pamphlet about improving car care practices. The pamphlet provides information about reducing possible impacts from changing fluids, spill prevention and clean up, controlling wastewater discharge, fueling vehicles, managing batteries, metal grinding and cleaning.

Since January 2012, St. Charles Parish has continued installation of catch basin markers to inform the public that storm drains are directly connected to the Parish receiving water bodies.

3. Illicit Discharge Detection and Elimination

As part of the Illicit Discharge Detection and Elimination (IDDE) BMP, the Parish continues to maintain a Master Drainage Plan (MDP). In 2012, the Parish will consider a comprehensive review of the MDP to include the ongoing drainage related capital improvement projects.

In 2011, the Parish drafted an IDDE ordinance specifically designed to address illicit connections to the storm drainage system, and to incorporate LPDES specific language. The Parish will review the ordinance and consider passage in 2012.

The Parish began reporting and tracking work orders associated with picking up trash/debris and old tires, clearing ditches and culverts of trash, and install/replacing "No Dumping" signage. Results of regular inspections of culverts, canals, pump stations, and other drainage structures can be reviewed through the Public Works monthly and annual reports.

4. Construction Site Stormwater Runoff Control

A review of the Parish Planning and Zoning permitting process was performed in 2011. Process specific documents were created to develop procedures for site plan review that consider potential water quality impacts. These documents included; Construction Site Runoff Control Specification Section, Site Inspection checklists, and SWPPP documentation checklists. The Parish will continue improving permitting and inspection processes, and consider development of a draft Construction Site Runoff Control ordinance for 2012.

5. Post-Construction Storm Water Management

The Parish will consider the development of a draft Post-Construction Stormwater Management ordinance for 2012.

6. Pollution Prevention/Good Housekeeping for Municipal Operations will be brought into play as an overarching program for the Parish.

Currently 12 Parish maintenance units are equipped with Oil Dri spill kits. The Parish will consider the continued development of a Parish wide SPCC plan to include all storage tanks and pump stations.

The Parish currently recycles used oil and will continue to develop standard operating procedures for handling used oil and other maintenance related fluids (antifreeze, etc.) at the various maintenance locations, as well as procedures for handling other hazardous materials. The plan will describe measures to prevent or reduce the discharge of pollutants to drainage systems or waterways from leaks and spills by reducing the chance for spills, stopping the source of spills, containing and cleaning up spills, and properly disposing of spill materials. This will include training for employees on spill prevention and cleanup, and ready access to spill cleanup materials. The Parish will develop procedures around the current used oil collection process and identify expansion of the program to make collection and recycling of used oil easier for the community.

IV. Assessment of appropriateness of identified BMPs

Table 1 identifies the BMPs that St. Charles Parish is currently utilizing. The table provides a summary by BMP, and identifies updates to any BMPs to ensure consistency with current Parish capital expenditures.

Table 1 - BMP Assessment Summary

BMP Assessment					
Minimum Control	BMP Unique Identifier	Description	Degree of Suitability	Proposed Change	Comments
Public Education and Outreach	1A	Pamphlets	Good	Enhancement	Pamphlets and educational materials will be an overarching minimum control to help the community understand the importance of stormwater management, and will strategically target specific audiences to facilitate many of the BMPs listed below. Each year the Parish will explore new target audiences.
	1B	Website	Good	Enhancement	In 2011, the Parish added a stormwater link from the homepage which included; FAQs, a link to "After the Storm", and link for reporting drainage and dumping concerns. Planned enhancements include; information on stormwater ordinances and management practices, and information on construction site runoff management.
	1C	Utilize Parish use of Ch. 6	Good	Enhancement	This BMP was changed in 2011. The Parish uses Ch. 6 for public service announcements and as the parish wide notification system. The Parish began airing the EPA and Weather Channel watershed documentary "After the Storm" in March 2012 and will continue the first of every month at 9:30 am.
Public Involvement /Participation	2A	Storm Drain Markers	Good	None	350 Markers were ordered from the state in 2011, and continue to be installed. Additional marking to be considered for 2012
	2B	Hazardous Waste Day and Trash Bash Day	Superior	None	This BMP changed in 2011. Household Hazardous Materials Collection Day has been held annually in St. Charles Parish since 1998 and its purpose is to provide area households an opportunity to properly dispose or recycle materials that are inappropriate for curbside pickup. The Parish will propose to use this event along with Trash Bash Day in lieu of Stream Clean-up activity for Public Involvement.
Illicit Discharge detection and Elimination	3A	IDDE Ordinance	Good	Enhancement	In 2011, the Parish with the assistance of environmental consultants developed a draft IDDE ordinance to specifically address illicit discharges to the storm drain system. Passage of this ordinance is to be considered in 2012
	3B	Dumping Ordinance	Superior	None	In 2011, the Parish began tracking work orders associated with picking up trash/debris, old tires, clearing ditches and culverts of trash and install/replacing "No Dumping" signage.
	3C	Sewer Ordinance	Good	Monitoring	The Parish tracks all sewer complaints and SSOs.
	3D	Master Drainage Plan	Good	Continue Development	The Master Drainage plan will continue capital improvement projects. A review of the completeness of the MDP will be considered for 2012
Construction Site Runoff Control	4A	Construction Site Runoff Ordinance	Good	Enhancement	In 2011, the Parish developed tools for managing construction site runoff including; Construction Site Runoff Control Specification Section, Site Inspection checklists, and SWPPP documentation checklists. The Parish will continue improving permitting and inspection processes
	4B	Construction Site Inspection and Enforcement Procedures	Good	Continue Development	Although no changes are currently proposed, the Parish will continue to improve procedures to insure compliance with the current LPDES General Permit for Discharges of Stormwater from Construction Activities.
Post-Construction Runoff Control	5A	Landscape and Stormwater Management Ordinance	Good	Pending Development	A Landscape and Stormwater Management Ordinance is under development which will include post-construction runoff control.
Pollution Prevention / Good Housekeeping	6A	Spill Response and Prevention Plan	Good	Enhancement	Currently 12 maintenance units are equipped with spill kits. For 2012, the parish will continue to review and develop SPCC plans for all facilities as appropriate.
	6B	Culvert Cleaning Program	Superior	None	Continue Culvert Cleaning Operations

Assessment Key	
<i>Inappropriate</i>	<i>Parish will change BMP</i>
<i>Minimal</i>	<i>Parish will consider change</i>
<i>Good</i>	<i>Parish will perform a yearly review of measurable goals associated with this BMP</i>
<i>Superior</i>	<i>SOPs, documentation, and monitoring are in place for updating annual report.</i>

V. Progress with respect to Measureable Goals

The Parish implemented several specific changes to their previously approved measurable goals in 2011 (see Section 3 below), and completed a comprehensive review of progress toward these new measurable goals. The list follows.

- The current Parish code of ordinances that address drainage and flood control, illicit sewer discharges and connections, and illicit dumping were reviewed in 2011.
- St. Charles Parish DPW with the assistance of an environmental consultant developed a draft IDDE ordinance during 2011 and which was presented to the Parish in early 2012. The draft ordinance will be considered for passage in 2012.
- The Parish reviewed the Construction Site Runoff Control procedures in 2011, and developed process documentation to assist in ensuring compliance with LPDES General Permit requirements. This documentation included construction site inspection checklists, SWPPP checklists, and a specification section specifically addressing construction site runoff control.
- The Parish website was updated to provide a link for the public to report drainage, sewer and dumping concerns, which are tracked as they apply to each of the minimum controls. The results of this tracking are presented monthly by DPW to the Parish president.
- The current Master Drainage Plan will continue to incorporate capital improvement projects and the Parish will document and present these in each year's annual report.
- Several pamphlets and brochures will be distributed to target audiences throughout the year.
- In 2011, the Parish developed a brochure/pamphlet and distributed to all construction permit applicants at pre-construction meetings. Also, in 2011 the Parish modified an existing auto-maintenance pamphlet to be distributed throughout the Parish during 2012.
- Approximately one third of the storm drain markers received from LDEQ have been installed.
- Over 40,000 pounds of hazardous materials were collected at the Annual Household Hazardous Materials Collection Day with approximately 93% scheduled for recycle.
- The spring 2011 Trash Bash Day event logged a total of 266 volunteers from community groups and industry, who filled 177.5 bags with roadside litter and 25 bags of recyclable material, or about 4,050 pounds of garbage. Other items collected included 23 tires, a fuel tank and various pieces of scrap metal. In all, volunteers cleaned about 57 miles of roadway.
- The Parish will utilize Ch. 6 for public service announcement on storm water and what the public can do to prevent storm water impacts.
- The Parish began airing the EPA and Weather Channel watershed documentary "After the Storm" on March 1, 2012, and will continue airing at 9:30 on the 1st of every month.
- Currently 12 maintenance units are equipped with Oil Dri spill kits. In 2012 the Parish plans to continue development of Parish wide SPCC plan.

VI. Changes in identified BMPs or Measurable Goals

The specific BMPs identified in this document serve as the basis for the Parish's stormwater management plan. These BMPs which have been identified to address the six minimum controls will continue to be enhanced in the coming years as the program develops. The annual report is used as a self-assessment tool by the Parish when identifying potential changes in BMPs or measurable goals every year. For example, when a sufficient number of storm drains have been marked, changes will be considered for the BMP. The Household Hazardous Materials Collection Day, initiated in 1998, will continue on an annual basis, and the semi-annual Trash Bash Day will be held, providing an opportunity for the community to participate in removal of these additional waste streams from potential stormwater exposure. The Parish will continue to evaluate ordinances currently in place, and modify these in the coming years, with the goal of ensuring compliance with the LPDES construction general stormwater permits. The modified ordinances are likely to add to and enhance the current list of BMPs, including construction site runoff control.

Listed below are the current measurable goals sent to LDEQ as part of the permit's NOI, and proposed changes:

1. Public Outreach/Involvement

St Charles Parish updated the Measurable Goals for this BMP in 2010 to reflect current Parish priorities.

Current Parish Measurable Goals:

- List and discussion of target audience and example pamphlets presented in 2011 annual report
- Parish officials will continue to review available pamphlets, decide which ones are useful for the local audience, and develop for use with local contact information where useful, distributing the pamphlets at locations of interest. These activities will be documented and presented in the annual report.

The parish uses the website and Channel 6 local television station as its notification system. The Parish began running the EPA and Weather Channel watershed documentary "After the Storm" on Channel 6 in March 2012.

To provide additional guidance to the community, the Parish will develop and post stormwater information, Frequently Asked Questions (FAQs), and links on the Parish website, along with a process for parish response.

No additional changes to measurable goals expected in 2012.

2. Public Involvement/Participation

St Charles Parish updated the Measurable Goals for this BMP in 2010 to reflect current Parish priorities. For 2011, Trash Bash Day and Household Hazardous Material Collection Day were utilized as Public Outreach BMP in lieu of one-day stream clean-up.

Current Parish Measureable goals:

- 350 storm drain markers were ordered and are being installed.
- Trash Bash Day and Household Hazardous Material Collection Day will continue log measurable quantities of materials collected and volunteers utilized as a Public Participation control measure.

No additional changes to measureable goals are expected in 2012.

3. Illicit Discharge Detection and Elimination

Current Parish Measureable Goals:

- Continue to monitor dumping through Parish Ordinances (existing)
- the Parish Non-domestic discharge program has been established to monitor and control industrial sites
- The internal Parish reporting procedures handles and monitors sanitary sewer overflows

As part of ongoing culvert cleaning operations, the Parish routinely inspects at least 20% of parish controlled ponds, outfalls, and sediment basins for illicit discharges into the system. Also, the parish is responsible to identify a program to detect and address non-stormwater discharges to the MS4. The Parish will review Illicit Discharge Detection and Elimination (IDDE) Inspection procedures.

In 2011 the parish reviewed the measureable goals for this BMP. Discussions with Parish officials identified ongoing procedures through DPW for monitoring dumping and monitoring and reporting sanitary sewer overflows. These are incorporated into the proposed 2012 goals.

Additionally, the St. Charles Parish Municipal Code of Ordinances Chapter 22 addresses regulations for illicit discharges and illicit connections to the sewer system. A revised draft ordinance is under review by the Parish for consistency with MSGP language.

The parish will consider changing the measureable goals for 2012 to the following;

- Continue to monitor dumping through Parish Ordinances (existing)
- Passage of draft IDDE ordinance to specifically address illicit discharges into the storm drainage system
- The internal Parish reporting procedures handles and monitors sanitary sewer overflows

4. Construction Site Stormwater Runoff Control

Current Parish Measureable Goals:

- Parish contracts to include LDEQ Construction Stormwater General Permit language for all construction sites
- Parish inspectors and engineers will be set up to monitor compliance.
- LDEQ Stormwater General Permit requirements will be added to all Parish construction permits and established by parish law.
- New specs will be added to all future construction contracts.
- Contractor will be required to specify specific stormwater abatement issues.

In 2011 the parish reviewed the measureable goals for this BMP. The current goals reflected above were also addressed during 2011. Current Parish specifications require contractors to submit application(s), comply with permit conditions and receive all applicable permits including the current LPDES Stormwater General Construction Permit from the Louisiana Department of Environmental Quality (LDEQ) prior to construction. St. Charles Parish reviewed contract language to ensure continuity with current LDEQ requirements, and has reviewed procedures that require all construction site permits and specifications to include the requirements of the current LPDES Stormwater General Construction Permits. The Parish will develop a new ordinance to reflect current best management practices as outlined in the LPDES Stormwater General Construction Permits, enforcement procedures, and penalties associated with noncompliance. Additional training for stormwater inspectors may provide better understanding of current requirements and this training will be considered for 2012.

The parish will consider changing the measureable goals for 2012 to the following:

- Complete Draft Ordinance
- Additional evaluation of planning and zoning processes. St. Charles Parish plans to evaluate the existing erosion and sediment control inspection process, and develop and document standard policies and procedures that are consistent with the current LPDES General Permit for Discharges of Stormwater from Construction Activities. The Parish will determine if new enforcement procedures will be outlined in revised ordinance sections or within a brochure/pamphlet distributed to building permit applicants.

5. Post-Construction Storm Water Management

Current Parish Measureable Goals:

- Parish working on Ordinances to eliminate or reduce post construction runoff
- Parish is updating the Master Drainage Plan
- New Ordinances will include requirements for site/BMP inspection and maintenance

The parish will consider changing the measureable goals for 2012 to the following:

- Develop Ordinance to eliminate or reduce post-construction runoff.
- Continued enhancement of Master Drainage Plan through Capital Improvement Projects
- Completeness evaluation of the Master Drainage Plan.

6. Pollution Prevention/Good Housekeeping for Municipal Operations will be brought into play as an overarching program for the Parish.

St. Charles Parish has been actively implementing Good Housekeeping measures, but had not been capturing the documentation prior to 2011. These measures, primarily involving drainage maintenance through culvert and road side ditch maintenance, have been added below as part of the update to this BMP.

Current Parish Measureable Goals:

- Spill Response and Prevention Plan will be updated in 2009
- The Parish currently recycles used oil but has no procedure. This will be done in 2009.

Spill prevention activities included under this BMP have been reviewed and the following updates are being considered for 2012:

- Develop procedures around the current used oil collection process and identify expansion of the program to make collection and recycling of used oil easier for the community.
- Document reconnaissance of maintenance locations within DPW, review current oil change procedures, draft SOP for recycling used oil.
- Evaluate current St. Charles Parish SPCC Plans.

The addition of the Parish culvert cleaning program to the BMP provided the additional measurable goals for 2011.

- Number of work orders
- Number of Ditches/culverts cleaned
- Linear Feet of new culverts dug
- Linear Feet of culverts blown

No changes to measureable goals for the culvert cleaning program are expected in 2012.

VII. Activities for the Next Reporting Cycle

Table 2, which follows, presents the BMP activities which are planned for 2012.

Table 2 - Anticipated 2012 Activities

BMP Unique Identifier	Description	Activity planned
1A	Pamphlets	Begin distribution of auto-maintenance pamphlets throughout the parish.
1A	Pamphlets	Identify additional target audiences and potential material.
1B	Website	Add links for Stormwater annual reports, construction inspection forms, SWPPP checklists, Construction Runoff Control Specification Section, all pamphlets developed for use in Parish.
1C	Channel 6	Brainstorm additional information that can be aired on Ch. 6. Comprehensive list of stormwater related informational TV segments.
2A	Catch Basin Markers	Complete installation of remaining markers
2B	Haz. Mat.Collection Day	Household Hazardous Material Collection Day - April 9
2C	Trash Bash Day	Roadside garbage clean-up day, March 26
2C	Trash Bash Day	Roadside garbage clean-up day, October
3A	IDDE Inspection	Parish to review draft ordinance to include legal review.
3A	IDDE Inspection	Consider passage of draft ordinance
3B	Dumping Ordinance	Continue to monitor dumping through parish ordinance
3C	Sewer Ordinance	Continue to monitor sanitary sewers through parish ordinance
3D	Master Drainage Plan	Review current Master Drainage Plan, and Parish to consider evaluation of completeness
4A	Construction Ordinance	Review parish monitoring activities and consider new draft ordinance
4A	Construction Ordinance	Develop more specific language related to LPDES General Permit for new draft ordinance.
5A	Post-Construction Runoff	Parish to consider post-construction runoff control ordinance for 2012
6A	Spill Prevention	Review current oil change procedures. Continue development of SOP
6A	Spill Prevention	Develop draft Spill Response and Prevention Plan to comply with EPA requirements
6B	Culvert Management Program	Contiue to record number of work orders, number of ditches/culverts cleaned, linear feet of new culverts dug, linear feet of culverts blown.

BMP Activity Summary

BMP 1A - Educational Pamphlets

MS4 Name: St. Charles Parish

Unique Identifying Control Number: 1A

Minimum Control Measures Addressed by this BMP

X	Public education & outreach	X	Construction site runoff controls
X	Public participation & involvement	X	Post construction stormwater management
X	Illicit discharge detection & elimination		Pollution prevention/Good housekeeping

BMP Title: Educational Pamphlets

BMP Description:

Pamphlets and literature readily available online at LDNR or EPA's websites for printing and distribution in MS4 Public Outreach campaigns. St Charles Parish officials review available pamphlets, decide which ones to use and direct at a specific audience, and distributing the pamphlets at locations of interest. In 2011, St. Charles Parish outlined minimum erosion and sediment control BMPs (examples below) according to the LPDES General Permit for Discharges of Stormwater from Construction Activities and industry standards, and developed a brochure/pamphlet which was then distributed to all construction permit applicants at pre-construction meetings. Also, in 2011 the Parish modified an existing auto-maintenance pamphlet to be distributed throughout the Parish during 2012.

Measurable Goals:

- Stormwater construction runoff pamphlets distributed at every pre-construction meeting to contractors,
- Modified Auto-maintenance pamphlet - Identify additional target audiences and potential material.

Timeline/Implementation Schedule:

- Begin immediately - Distribution of newly modified auto-maintenance pamphlet
- July 2012 - Identify additional target audiences and potential material.

Specific Components & Notes (optional):

Pamphlet specifically aimed at improving auto-maintenance and car care practices including;

Changing fluids	Storing and disposing of waste
Preventing and cleaning up spills	Metal grinding and finishing
Controlling wastewater discharge	Cleaning vehicles and parts
Fueling vehicles	
Removing and Storing Batteries	

Responsible Person

Name: Rene Simpson

Title: DPW Public Information Office

Phone: (504) 491-9304

E-mail: rallemand@stcharlesgov.net

Educational components related to this BMP (description or number - optional):

Audience: Contractors/TBD

Educational Goal: To improve auto-maintenance and car care practices

BMP 1B - Public Comment/Complaint Procedures

MS4 Name: St. Charles Parish

Unique Identifying Control Number: 1B

Minimum Control Measures Addressed by this BMP

X	Public education & outreach	X	Construction site runoff controls
X	Public participation & involvement	X	Post construction stormwater management
X	Illicit discharge detection & elimination		Pollution prevention/Good housekeeping

BMP Title: Public Comment/Complaint Procedures

BMP Description:

The Parish, with the assistance of an environmental consultant, has further developed the website to include Frequently Asked Questions (FAQs) links from EPA, LDEQ and the Center for Watershed Protection, as well as a video link to "After the Storm". The Parish stormwater page also has a link for reporting drainage and garbage concerns. Future development of the website will include links to the parish stormwater ordinances and management practices. The Parish will continue tracking and responding to complaints and concerns. These complaints and concerns are received in a number of ways including through the website, and through telephone, email, and verbal communication with Parish officials.

Measurable Goals:

- Number of complaints/comments posted to the website.
- Documented actions by DPW.
(See DPW annual report to Parish President)
- List of FAQs
- Stormwater related links on the parish website
- Continued enhancement to include posting Parish pamphlets, ordinances, BMPs, and annual reports

Timeline/Implementation Schedule:

- 2011 - The parish website improvements included adding a stormwater information link to the Residents tab on the Parish homepage.
- July 2012 - Enhance Parish stormwater page to include links to trash bash day, Haz. Mat. collection day, related ordinances and parish procedures.
- September 2012 - Identify additional information to add to the website to Provide public awareness.

Specific Components & Notes (optional):

The Department of Public Works processed 5373 work orders in 2011. Of these work orders, the drainage, pump maintenance, and road crews completed 5326 work requests. The Department continues to follow up on all open work orders.

Stormwater Information Page - <http://www.stcharlesgov.net/index.aspx?page=1055>

Responsible Person

Name: Rene Simpson

Title: DPW Public Information Office

Phone: (504) 491-9304

E-mail: rallemand@stcharlesgov.net

Educational components related to this BMP (description or number - optional):

Audience: General Public

Educational Goal: To provide complaint/comment forum for illicit discharge, detection and elimination, as well as construction site stormwater violations

BMP 1C - Public Service Announcement on Local T.V.

MS4 Name: St. Charles Parish

Unique Identifying Control Number: 1C

Minimum Control Measures Addressed by this BMP

X	Public education & outreach	X	Construction site runoff controls
X	Public participation & involvement	X	Post construction stormwater management
X	Illicit discharge detection & elimination		Pollution prevention/Good housekeeping

BMP Title: Public Service announcement on local TV (Ch.6)

BMP Description:

The Parish will utilize Ch. 6 for public service announcements on storm water and what the public can do to prevent storm water impacts. The Parish began airing the EPA and Weather Channel watershed documentary "After the Storm" on March 1, 2012, and will continue airing at 9:30 on the 1st of every month.

Measurable Goals:

- Number of times "After the Storm" airs per month on local Ch. 6, with a minimum of the first of every month at 9:30 am.

Timeline/Implementation Schedule:

- March 2011 - Began airing "After the Storm" and will continue at 9:30 am the first of every month
- August 2012 - Brainstorm additional information that can be aired on Ch. 6
- October 2012 - Comprehensive list of stormwater related informational TV segments.

Specific Components & Notes (optional):

"After the Storm" DVD
 Airls the first of each month month at 9:30 a.m. First air date was March 1, 2012. Video also embedded from the parish's Vimeo account accessed through a link on the stormwater information page: <http://www.stcharlesparish-la.gov/index.aspx?page=1055>.

Responsible Person

Name: Rene Simpson

Title: DPW Public Information Office

Phone: (504) 491-9304

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Educational components related to this BMP (description or number - optional):

Audience: General Public

Educational Goal: To general public awarness of impacts of stormwater runoff

BMP 2A - Storm Drain Marker Program

MS4 Name: St. Charles Parish

Unique Identifying Control Number: 2A

Minimum Control Measures Addressed by this BMP

X	Public education & outreach	<input type="checkbox"/>	Construction site runoff controls
<input type="checkbox"/>	Public participation & involvement	<input type="checkbox"/>	Post construction stormwater management
X	Illicit discharge detection & elimination	<input type="checkbox"/>	Pollution prevention/Good housekeeping

BMP Title: Storm Drain Marker Program

BMP Description:

The Parish with the assistance of an environmental consultant will mark storm drains with "No Dumping" or similar message to discourage non-stormwater discharges. This provides educational awareness to residents that the catch basin is directly connected to the parish receiving waters.

Measurable Goals:

Number of marked catch basins to date; **81**

Timeline/Implementation Schedule:

- March 2011 - ordered appropriate markers from LDEQ
- August 2011 - Received an email from LDEQ, informing they did not have enough markers to fill Parish request.
- January 2012 - Received CB markers from LDEQ
- Feb/Mar 2012 - Began installation to continue until all markers are used.

Specific Components & Notes (optional):

Parish installation work orders available upon request.

Responsible Person

Name: Sam Scholle

Title: Director of Public Works/Wastewater

Phone: (985)783-5102

E-mail: sscholle@stcharlesgov.net

Educational components related to this BMP (description or number - optional):

Audience: General Public

Educational Goal: To provide awareness to Parish residents that the stormwater catch basins are directly connected to receiving waters

BMP 2B - Household Hazardous Material Collection Day

MS4 Name: St. Charles Parish

Unique Identifying Control Number: 2B

Minimum Control Measures Addressed by this BMP

X	Public education & outreach	<input type="checkbox"/>	Construction site runoff controls
X	Public participation & involvement	<input type="checkbox"/>	Post construction stormwater management
<input type="checkbox"/>	Illicit discharge detection & elimination	X	Pollution prevention/Good housekeeping

BMP Title: Household Hazardous Material Collection Day

BMP Description:

The thirteenth Household Hazardous Materials Collection Day was held on 4/9/11 in Luling and LaPlace, LA, to provide area households an opportunity to properly dispose or recycle materials that are inappropriate for curbside pickup. Materials such as solvents, pesticides and herbicides, used oil, electronics, and corrosives require special handling to minimize safety and environmental impacts.

Measurable Goals:

43,125 pounds of materials were collected during the 13th annual household hazardous materials day. Eighteen (18) area manufacturers sponsored the event, providing funding and volunteers. 93% of the materials collected were recycled or recovered. Of this amount, 5,000 pounds was batteries and 6,000 pounds was used oil. Used electronics accounted for 12,600 pounds. (Last year's event did not accept used electronics.) The two sites this year included assistance from 79 volunteers who serviced drop-offs from 394 vehicles, an increase of 36 vehicles over last year's event.

Timeline/Implementation Schedule:

· This activity has taken place since 1998

Specific Components & Notes (optional):

With approval from Louisiana Department of Environmental Quality and support from St. Charles Parish, St. John Parish the Baptist Council, St. James Parish Office of Emergency Preparedness and St. John Parish Sheriff's Office, this event was sponsored by the following companies as a community service: Air Liquide, Air Products, ArcelorMittal (formerly Bayou Steel), Galata Chemicals LLC (formerly Chemtura), Cornerstone Chemical Company (formerly Cytec Industries), DuPont, DuPont Performance Polymers, Entergy, Evonik Stockhausen, LLC, Marathon Petroleum Company LP, Momentive (formerly Hexion Specialty Chemicals), Monsanto, Motiva Enterprises, Nalco, Noranda (in St. James Parish), OxyChem, Shell and Valero. Other organizations which provided volunteers, support services and/or recycling were: COLT, Inc., FCC Environmental, The Green Project, Louisiana Department of Agriculture & Forestry, New Wine Christian Fellowship, Philip Services Corporation, Positive Results, Inc. and St. Charles Parish School Board. LEI - Lamp Environmental Industries and Philip Reclamation Services provided waste and recycling professional services.

Responsible Person

Name: Sam Scholle

Title: Director of Public Works/Wastewater

Phone: (985)783-5102

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Educational components related to this BMP (description or number - optional):

Audience: General Public

Educational Goal: To provide awareness to Parish residents an opportunity to properly dispose or recycle materials that are inappropriate for curbside pickup.

BMP 2C - Trash Bash Day

MS4 Name: St. Charles Parish

Unique Identifying Control Number: 2C

Minimum Control Measures Addressed by this BMP

X	Public education & outreach	<input type="checkbox"/>	Construction site runoff controls
X	Public participation & involvement	<input type="checkbox"/>	Post construction stormwater management
<input type="checkbox"/>	Illicit discharge detection & elimination	X	Pollution prevention/Good housekeeping

BMP Title: Trash Bash Day

BMP Description:

Twice per year, in March and October, St. Charles Parish organizes Trash Bash day with volunteers from around the community including students and representatives from local industry to pick up roadside debris and inform the community that roadside pollution directly contributes to the contamination of local receiving waters. For more information see <http://www.stcharlesparish-la.gov/index.aspx?page=761>

Measurable Goals:

Spring Trash Bash 2011 was held on March 26, 2011 and logged a total of 266 volunteers from community groups and industry, who filled 177.5 bags with roadside litter and 25 bags of recyclable material, or about 4,050 pounds of garbage. Other items collected included 23 tires, a fuel tank and various pieces of scrap metal. In all, volunteers cleaned about 57 miles of roadway. Entergy and Omega Psi Phi Fraternity Phi Iota Iota Chapter cleaned up the most litter, and Kartball and R.K. Smith Middle School contributed the most volunteers! Sponsors included Keep Louisiana Beautiful, Valero, SDT Waste and Debris Services, ES&H, Oldies But Goodies of Norco, Wetland Watchers of Harry Hurst Middle School and the Entergy Foundation.

Timeline/Implementation Schedule:

This event began in March 2009. Historic information on this event can be found on the Parish website 2011 Events took place on March 26, 2011 and October 8, 2011

Specific Components & Notes (optional):

Fall Trash Bash 2011: October 8, 2011
Two hundred and fifty three volunteers helped clean the parish in the following areas:

- District 1: Destrehan levee to Longview Drive, Red Church Subdivision, Killona Drive, Adams Street
- District 2: Ashton Boulevard, Paul Maillard near the hospital (Boy Scouts), Willowdale Boulevard and Willowridge to West Heather, Beaupre Drive
- District 3: Schexnaydre Lane / Destrehan High School area (Boy Scouts), Ormond Village and River Road levee area, Airline Highway around Ormond Boulevard
- District 4: Old Spanish Trail from St. Gertrude Catholic Church to the bridge (Girl Scouts), Pleasant Valley to Hwy. 306 (Brownie Troop)
- District 5: West Oakland and River Road, Riverwood at River Road, Turtle Creek Subdivision
- District 6: Rock Road next to the railroad tracks between Apple Street and Sixth Street, railroad levee area, Apple Street, Bonnet Carre Spillway (Hurst Middle School), Wetland Watchers Park (Hurst Middle School)

Responsible Person

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Educational components related to this BMP (description or number - optional):

Audience: General Public

Educational Goal: To provide Parish residents an opportunity to participate in good housekeeping and pollution prevention activities.

BMP 3A - Non-Domestic Discharge Program

MS4 Name: St. Charles Parish

Unique Identifying Control Number: 3A

Minimum Control Measures Addressed by this BMP

<input type="checkbox"/>	Public education & outreach	<input type="checkbox"/>	Construction site runoff controls
<input type="checkbox"/>	Public participation & involvement	<input type="checkbox"/>	Post construction stormwater management
<input checked="" type="checkbox"/>	Illicit discharge detection & elimination	<input type="checkbox"/>	Pollution prevention/Good housekeeping

BMP Title: Illegal Discharge Detection and Elimination (IDDE) Inspection Program

BMP Description:

The Parish plans to extend the IDDE Program to include monitoring of non-domestic discharges per the LPDES Permit (inspect 20% of Parish controlled ponds, outfalls, and sediment basins, and 100% of Parish controlled structural pollution control devices). The parish is responsible to develop a program to detect and address non-stormwater discharges to the MS4, the Parish currently inspects a number of drainage control infrastructure through the culvert cleaning and other maintenance operations, future development of the program will included better defined processes and documentation. In 2011, after a review of existing Parish IDDE language, the Parish Director of Public Works directed environmental consultants to draft an IDDE ordinance. The draft ordinance has been developed and is currently under Parish review, to be considered for passage in 2012.

Measurable Goals:

- Draft Ordinance complete in 2012
- Council Passage of IDDE ordinance as soon as practicable

Timeline/Implementation Schedule:

- June 2011 - Review Parish ordinances and monitoring activities to include industrial sites.
- Nov 2011/Jan2012 - Discussions with Parish officials concerning the need for new ordinance
- February 2012 - Began drafting IDDE ordinance
- April 2012/August2012 - Parish review
- September 2012 - Process investigation for Passage of new ordinance

Specific Components & Notes (optional):

St. Charles Parish Municipal Code of Ordinances Chapter 22 - Sewers and Sewerage Disposal specifically addresses illicit discharge and illicit connection to sewers

New IDDE Ordinance specifically addressing illicit connections to the storm drains.

Responsible Person

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Title: Director of Public Works/Wastewater

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Educational components related to this BMP (description or number - optional):

BMP 3B - Illegal Dumping Ordinance

MS4 Name: St. Charles Parish

Unique Identifying Control Number: 3B

Minimum Control Measures Addressed by this BMP

<input type="checkbox"/>	Public education & outreach	<input type="checkbox"/>	Construction site runoff controls
X	Public participation & involvement	<input type="checkbox"/>	Post construction stormwater management
X	Illicit discharge detection & elimination	<input type="checkbox"/>	Pollution prevention/Good housekeeping

BMP Title: Illegal Dumping Ordinance

BMP Description:

The St. Charles Parish Municipal Code of Ordinances Chapter 10 addresses illicit dumping and requires proper storage and disposal of garbage and rubbish. Specifically,
 "No person shall place any rubbish in any street, alley, or other public place or upon any private property, whether or not owned by the person, within the parish, unless it is in proper containers for collection, nor shall any person throw unauthorized accumulation of garbage on any premises is hereby declared to be a nuisance and is prohibited."
 The Parish will track reported problems through the Parish website. The ongoing parish monitoring activities will be documented and presented in the annual report. The Parish uses security cameras to monitor dumping.

Measurable Goals:

234 Work Orders generated in 2011 to address trash/debris pick-up or dumping concerns. This work consisted of picking up trash/debris, old tires, clearing ditches and culverts of trash and install/replacing "No Dumping" signage.

Timeline/Implementation Schedule:

- July 2011 The Parish began tracking website complaints and actions taken by Parish
 - October 2011 - Review parish monitoring activities
- Continue monitor dumping

Specific Components & Notes (optional):

St. Charles Parish Municipal Code of Ordinances Chapter 10 - Garbage and Trash

Responsible Person

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Educational components related to this BMP (description or number - optional):

Audience: General Public

BMP 3C - Sewer Ordinance Enforcement

MS4 Name: St. Charles Parish

Unique Identifying Control Number: 3C

Minimum Control Measures Addressed by this BMP

<input type="checkbox"/>	Public education & outreach	<input type="checkbox"/>	Construction site runoff controls
<input type="checkbox"/>	Public participation & involvement	<input type="checkbox"/>	Post construction stormwater management
X	Illicit discharge detection & elimination	X	Pollution prevention/Good housekeeping

BMP Title: Sewer Ordinance and Enforcement

BMP Description:

The St. Charles Parish Municipal Code of Ordinances Chapter 22 addresses regulations for the sewer system. The Parish plans to review the existing ordinances for MS4 language and incorporate additional language where necessary for consistency. The Parish currently tracks all SSOs from the three WWTP: Destrehan, Hahnville, and Luling. The Parish Dept. of Wastewater has a service area of approximately 384 sq. miles with over 300 lift stations and approximately 314 miles of sewer lines. The Department has developed a Capacity, Management, Operations and Maintenance (CMOM) Program. The program consists of a CMOM crew and support from office personnel. The CMOM Crew is inspecting, numbering, labeling, and repairing manholes throughout the entire parish. These men also video lines, record problem areas and when necessary make minor repairs. Office personnel log complaints and maintain and organize all necessary documentation.

Measurable Goals:

- Incorporation of language
- Roll out new procedures
- Number of SSOs recorded in 2011
 - Destrehan - 45
 - Hahnville - 38
 - Luling - 14
- Draft IDDE Ordinance complete in 2012
- Council Passage of IDDE ordinance for 2012

Timeline/Implementation Schedule:

- October 2011 - Review parish ordinances and monitoring activities, add language for consistency.

Specific Components & Notes (optional):

St. Charles Parish Municipal Code of Ordinances Chapter 22 - Sewers and Sewerage Disposal
 Public comment/complaint procedures on parish website
 Illicit discharge inspection program

Responsible Person

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Educational components related to this BMP (description or number - optional):

Audience: General Public

BMP 3D - Master Drainage Plan

MS4 Name: St. Charles Parish
Unique Identifying Control Number: 3D
Minimum Control Measures Addressed by this BMP

	Public education & outreach	X	Construction site runoff controls
	Public participation & involvement	X	Post construction stormwater management
X	Illicit discharge detection & elimination		Pollution prevention/Good housekeeping

BMP Title: Master Drainage Plan

BMP Description:
 St. Charles Parish maintains a Master Drainage Plan. Listed below are the specific components completed as part of the Master Drainage Plan implementation in 2011. Should the Illicit Discharge Detection and Elimination (IDDE) program identify potential noncompliance through the ongoing tracking process, measures consistent with the Master Drainage Plan will be implemented as needed. IDDE Response and incorporation of measures required for Parish growth are prioritized for funding under the Master Drainage Plan.

Measurable Goals: Capital Projects that were begun, were in construction or completed as part of the Master Drainage Plan implementation in 2010.	Timeline/Implementation Schedule: 2012 - Review current Master Drainage Plan for completeness, continue to work toward completion, continue capital improvement projects
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Specific Components & Notes (optional):

Montz Master Drainage Plan(MDP) - Add 72 in Culverts Evangeline Rd Replace Culverts Ormond Blvd. Montz MDP - Replace Culverts Thoroughbred Lane Mimosa and Lagatutta Drainage Study and Improvements Montz MDP - Improve KCS Canal Montz MDP - Improve/Realign Coulee Drainage #10 Canal Rd Crossing Culverts East Bank Master Drainage Plan Major Canal Bank Stabilization-Dunleath Ph VII Willowdale Box Culverts	Coronado Park Drainage Improvements Coronado Park Pump Station 2 upgrade
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Responsible Person

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Educational components related to this BMP (description or number - optional):
 Audience: General Public

BMP 4A - Construction Site Run Off Control Ordinance

MS4 Name: St. Charles Parish

Unique Identifying Control Number: 4A

Minimum Control Measures Addressed by this BMP

<input type="checkbox"/>	Public education & outreach	<input checked="" type="checkbox"/>	Construction site runoff controls
<input type="checkbox"/>	Public participation & involvement	<input checked="" type="checkbox"/>	Post construction stormwater management
<input type="checkbox"/>	Illicit discharge detection & elimination	<input type="checkbox"/>	Pollution prevention/Good housekeeping

BMP Title: Construction Site Runoff Control Ordinance

BMP Description:

Current Parish specifications require contractors to submit application(s), comply with permit conditions and receive all applicable permits, including the current LPDES Stormwater General Construction Permit prior to construction. St. Charles Parish plans to review the existing code of ordinances and the Parish contract language to insure continuity with current LDEQ requirements. During 2011, the Parish reviewed, modified and developed a new stormwater specific construction specification section. The Parish also developed an inspection checklist, as well as a checklist determining/documenting completeness of contractor's SWPPPs.

Measurable Goals:

New Stormwater specific construction specification section introduced to Parish in 2012. Also introduced SWPPP checklist and Stormwater inspection checklist.

Timeline/Implementation Schedule:

- 2011 - Reviewed parish Planning and Zoning requirements for construction site stormwater and erosion control. Developed spec. section and SWPPP checklists
- 2012 - Continue to implement new documentation procedures, consider development of new draft ordinance to specifically address water quality impacts.

Specific Components & Notes (optional):

- Construction Site Runoff Inspection and SWPPP checklists
- Construction Permit Procedures
- Monitoring and Inspection activities
- Construction Site Runoff Control Specification Section

Responsible Person

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Educational components related to this BMP (description or number - optional):

Audience: General Public

BMP 4B - Construction Site Inspection and Enforcement Procedures

MS4 Name: St. Charles Parish

Unique Identifying Control Number: 4B

Minimum Control Measures Addressed by this BMP

X	Public education & outreach	X	Construction site runoff controls
	Public participation & involvement	X	Post construction stormwater management
	Illicit discharge detection & elimination		Pollution prevention/Good housekeeping

BMP Title: Construction Site Inspection and Enforcement Procedures

BMP Description:

In 2011, St. Charles Parish evaluated the existing erosion and sediment control inspection process for consistency with current LPDES General Permit for Discharges of Stormwater from Construction Activities. With the assistance of environmental consultants the Parish developed a Construction Site Runoff Control Specification Section, Site Inspection checklists, and SWPPP documentation checklists. The Parish will continue to review permitting process for consistency with current LPDES General Permit for Discharges of Stormwater from Construction Activities.

Measurable Goals:

- Completed Ordinance
- Documented inspection and monitoring procedures
- Number of job sites inspected for stormwater compliance

Timeline/Implementation Schedule:

- Fall 2011 - Review parish ordinances and monitoring activities
- 2012 - Continue to improve permitting and inspection procedures.

Specific Components & Notes (optional):

New Construction Site Runoff Control Ordinance Construction Site Runoff Control Specification Section
 Construction Permit Procedures
 Monitoring and Inspection activities
 Enforcement procedures
 Construction Site Runoff Inspection and SWPPP checklists

Responsible Person

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Educational components related to this BMP (description or number - optional):

Audience: General Public

BMP 6A - Spill Response and Prevention Plan

MS4 Name: St. Charles Parish

Unique Identifying Control Number: 6A

Minimum Control Measures Addressed by this BMP

<input type="checkbox"/>	Public education & outreach	<input type="checkbox"/>	Construction site runoff controls
<input type="checkbox"/>	Public participation & involvement	<input type="checkbox"/>	Post construction stormwater management
<input type="checkbox"/>	Illicit discharge detection & elimination	<input checked="" type="checkbox"/>	Pollution prevention/Good housekeeping

BMP Title: Spill Response and Prevention Plan

BMP Description:
 The Parish currently recycles used oil and will develop standard operating procedures for handling used oil and other maintenance related fluids (antifreeze, etc.) at the various maintenance locations, as well as procedures for handling other hazardous materials. The plan will describe measures to prevent or reduce the discharge of pollutants to drainage systems or waterways from leaks and spills by reducing the chance for spills, stopping the source of spills, containing and cleaning up spills, and properly disposing of spill materials. This will include training for employees on spill prevention and cleanup, and provide ready access to materials. The Parish will develop procedures around the current used oil collection process and identify expansion of the program to make collection and recycling of used oil easier for the community.

Measurable Goals:
 · Currently 12 maintenance units are equipped with "Oil Dri" spill kits. Continue development of Parish wide SPCC plan.

Timeline/Implementation Schedule:
 · 2011 - Reviewed Parish Spill Response Plans and Procedures.
 · 2012 - Continue development of SPCC plan for Parish pump stations.

Specific Components & Notes (optional):
 Parish Maintenance Trucks are equipped with "Oil Dri" spill kit – 5 gallon bucket From Northern Tool + Supply item # 109584. Link below.
http://www.northerntool.com/shop/tools/product_200045724_200045724
 The Parish has 12 units in drainage that have these spill kits; including pump mechanics, electricians, and foremen.
 Unit #'s 180, 192, 189, 261, 111, 264, 187, 181, 120, 265, 219, 114.

Responsible Person
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Educational components related to this BMP (description or number - optional):
 Audience: General Public

BMP 6B - Culvert Cleaning/Management Program

MS4 Name: St. Charles Parish

Unique Identifying Control Number: 6B

Minimum Control Measures Addressed by this BMP

<input type="checkbox"/>	Public education & outreach	<input type="checkbox"/>	Construction site runoff controls
<input type="checkbox"/>	Public participation & involvement	<input type="checkbox"/>	Post construction stormwater management
<input type="checkbox"/>	Illicit discharge detection & elimination	<input checked="" type="checkbox"/>	Pollution prevention/Good housekeeping

BMP Title: Culvert Management Program

BMP Description:
 The Parish has an ongoing Culvert Management Program. As part of the Program, the parish maintains work crews, a response system, and culvert cleaning operations. Also as part of the Program, the Parish modified it's Culvert Ordinance on April 4, 2011 by adopting Ordinance No. 11-4-25 amending the code of Ordinances by revising Chapter 21, Article I, section 21-1(a) and (b).

Measurable Goals:

- Number of Council Requests: 61
- 158,826 feet of ditch dug/cleaned per citizen request
- 46,400 feet of culverts blown/cleaned per citizen request

Timeline/Implementation Schedule:

- Continue Culvert Cleaning Operations

Specific Components & Notes (optional):

Responsible Person
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Educational components related to this BMP (description or number - optional):
 Audience: General Public