

**ST. CHARLES PARISH
PUBLIC WORKS
2014
ANNUAL STORMWATER
REPORT**

March 2015



TABLE OF CONTENTS

Section 1 – Introduction.....	2
Section 2 – Results of Information Collected & Analyzed.....	3
Section 3 – Status of Compliance with Permit Conditions, Minimum Controls, & BMPS.....	5
Section 3.1 – Public Outreach & Involvement.....	5
Section 3.2 – Public Involvement & Participation.....	6
Section 3.3 – Illicit Discharge Detection & Elimination.....	6
Section 3.4 – Construction Site Stormwater Runoff Control.....	8
Section 3.5 – Post-Construction Stormwater Management.....	9
Section 3.6 – Pollution Prevention and Good Housekeeping for Municipal Operations....	9
Section 4 – Assessment of Appropriateness of Identified BMPs.....	10
Table 1 – BMP Assessment Table.....	11
Section 5 – Progress of Measurable Goals.....	12
Section 6 – Changes in identified BMPs or Measurable Goals.....	14
Section 6.1 – Public Outreach and Involvement.....	14
Section 6.2 – Public Involvement and Participation.....	15
Section 6.3 – Illicit Discharge Detection and Elimination.....	15
Section 6.4 – Construction Site Stormwater Runoff Control.....	16
Section 6.5 – Post-Construction Stormwater Management.....	16
Section 6.6 – Pollution Prevention and Good Housekeeping Municipal Operations.....	17
Section 7 – Activities for the Next Reporting Cycle.....	18
Table 2 – Anticipated 2015 Activities	
Appendix A – BMP Activity Summary	
1A – Educational Pamphlets	
1B – Public Comment/Complaint Procedures	
1C – Public Service Announcement on local TV (Ch. 6)	
1D – High School Science Class Lectures	
2A – Storm Drain Marker Program	
2B – Household Hazardous Material Collection Day	
2C – Trash Bash Day	
3A – Illegal Discharge Detection and Elimination (IDDE) Inspection Program	
3B – Illegal Dumping Ordinance	
3C – Sewer Ordinance and Enforcement	
3D – Master Drainage Plan	
4A – Construction Site Runoff Control Ordinance	
4B – Construction Site Inspection and Enforcement Procedures	
5A – Post-Construction Site Runoff Control Ordinance	
5B – Watershed Inspections	
6A – Spill Response and Prevention Plan	
6B – Culvert Management Program	

Section 1: Introduction

Stormwater discharges in St. Charles Parish are regulated by the Louisiana Pollutant Discharge Elimination System (LPDES) General Permit LAR041032 (AI# 115009) for discharge from Regulated Small Municipal Separate Storm Sewer Systems (MS4s). The permit was reissued to the Parish by the Louisiana Department of Environmental Quality (LDEQ) on December 5, 2007, which expired on December 14, 2012. St. Charles Parish received its new permit effective March 1, 2013.

Stormwater discharges from municipal separate stormwater systems are regulated at both the federal and state levels. In 1990, the US Environmental Protection Agency (USEPA) 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, including 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 its Notice of Intent (NOI) to discharge in order to comply with the requirements of the permit. On March 1, 2013, LDEQ reissued St. Charles Parish's LPDES General Permit. The new permit required the Parish to submit its stormwater management plan (SWMP) and new NOI to LDEQ.

This MS4 annual report acts as a snapshot of the Parish's MS4 Program. The SWMP will continue to be a living document and enhanced in the coming years, with the goal of improving the quality of stormwater discharged to the surrounding water bodies. Every year, St. Charles Parish will use the document to review its status of compliance, assess the appropriateness of identified best management practices (BMPs) and consider changes and amendments to the procedures that will promote improved stormwater quality within the Parish.

St. Charles Parish is currently authorized for discharge under 2013 LAR040000.

Section 2: Results of Information Collected & Analyzed

St. Charles Parish has performed an evaluation of the status of stormwater management activities within the Parish. Following this yearly evaluation, St. Charles Parish has recognized that while significant improvements have been made, every system can be adjusted and more improvements can be achieved to promote improved stormwater quality in the surrounding water bodies. In 2014, under direction from the Louisiana Department of Environmental Quality (LDEQ), St. Charles Parish hired a MS4 Coordinator to oversee further development of the SWMP and direct efforts to better address the six minimum control methods (Section 3) and to continue to build methods to ensure that the Parish remains in MS4 discharge permit compliance.

The following are advancements in St. Charles Parish's Stormwater Management Program:

- St. Charles Parish continues efforts to implement a filing system to capture documentation of BMPs that the Parish has undertaken in the past several years, including the following: Household Hazardous Materials Collection Day, Trash Bash, addressing dumping concerns, culvert cleaning, tracking sewer complaints, and logging sanitary sewer overflows. In 2013, the St. Charles Parish Department of Wastewater completed the Sewer Overflow Response Plan (SORP) and continues efforts to optimize response in order to minimize environmental impact of sanitary sewer overflows. There were 79 tracked overflows in 2014.
- Household Hazardous Materials Collection Day has been held annually in St. Charles Parish since 1998. It provides area households an opportunity to properly dispose of 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. This past year's Household Hazardous Materials Collection Day was held on Saturday, March 15 and collected 48,510 pounds of hazardous materials; 93% was recovered or recycled. The next scheduled Hazmat Day is April 18, 2015. Further details can be found on www.hhmcd.com.
- Twice yearly in March and October, St. Charles Parish organizes Trash Bash. 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. In 2014, the Spring Trash Bash was held on March 22 and collected 1560 pounds of litter. 218 bags were collected by 420 volunteers. The Fall Trash Bash is a non-tracked monthly event held in October. In October 2014, residents formed teams and competed to win one of two iPads donated by Entergy; the winners were Lakewood Elementary and New Life Community Church. Details can be found at <http://www.stcharlesgov.net/index.aspx?page=356>.
- The Parish, prompted by information from the LDEQ and United States Environmental Protection Agency (USEPA), initially decided to enact a draft ordinance from USEPA for Parish use. After further analysis and comparison to IDDE ordinances in place in surrounding parishes, it was determined that the draft ordinance was insufficient for St. Charles Parish purposes. After consultation and legal review by Parish attorneys, the Chapter 25 Ordinance was enacted to provide a more comprehensive approach to stormwater management. The new ordinance

includes sections for addressing Illicit Discharge Detection & Elimination (IDDE), construction site stormwater controls, and post-construction stormwater management. The Chapter 25 Ordinance was signed on January 22, 2014 and officially implemented in March 2014.

- St. Charles Parish has evaluated several different stormwater construction site inspection forms, and has elected to design new reporting forms that can be used on all inspection visits, whether it be for IDDE investigation, construction/post-construction site inspections, municipal stormwater infrastructure inspections, etc. The Parish identified a need for stormwater training for its construction inspectors in 2014; in 2015 training will begin with the MS4 Coordinator with specialized personnel to be trained later. The Chapter 25 Ordinance governs runoff control from construction sites in accordance with the Parish MS4 permit and the Construction General permits, LAR100000 and LAR200000.
- After developing the Parish's SWMP and Chapter 25 Ordinance, the Parish completed reviews of the planning/permitting procedures with the St. Charles Parish Department of Planning & Zoning to ensure water quality considerations were implemented in the permitting process. The MS4 Coordinator is present during the construction permitting process to ensure new construction sites are compliant with LAR100000 and LAR200000 discharge permits. The Parish has integrated Stormwater Pollution Prevention Plan (SWPPP) review, drainage analysis, Erosion and Sedimentation Control (ESC) Agreements, and Stormwater maintenance permitting into the building permit process at Parish Planning & Zoning. The Parish completed three reviews of Stormwater Pollution Prevention Plans in 2014, and the Parish now requires MS4 certification before building permits and/or occupancy certificates are issued. SWPPP review and approval is required before MS4 certification is given.
- As part of the annual review of MS4 BMPs, the Parish elected to formalize spill prevention, control, and countermeasures (SPCC) plans for municipally-controlled pump stations and maintenance yards to achieve compliance with 40 CFR part 112. To assist the Parish in achieving full compliance, the Department of Public Works issued a technical memorandum to the other Parish departments outlining the criteria for determining each department's need for a formal SPCC plan. In 2013, the Parish developed an inventory of aboveground fuel storage and will continue to maintain this list in the SWMP Appendix C as more storage comes online, is decommissioned, upgraded, or replaced. In 2015, the Department of Public Works continues to collect information on the fuel storage of other departments in order to construct a plan to assist the departments as required.
- In 2013, SPCC plans were completed for the Department of Waterworks and the Department of Wastewater. SPCC plans for the municipal pump stations, municipal yards, and courthouse were completed and implemented in 2014. In 2015, the community centers, Emergency Operations Center, and Animal Control will have SPCC plans designed and implemented.
- St. Charles Parish has been active in the Louisiana Urban Stormwater Coalition events since 2013 and this relationship with LUSC and surrounding municipalities will continue through 2015 and beyond. In addition, employees from the Department of Public Works maintain active

memberships in the Water Environment Foundation (WEF) as well as other groups such as the Bayou Land Resource Conservation & Development Council, and the American Public Works Association (APWA).

Section 3: Status of Compliance with Permit Conditions, Minimum Controls, & BMPs

The MS4 Phase II Rule defines a Stormwater 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 water bodies to the maximum extent practical.

The following are the six program elements or minimum control measures:

1. Public Education & Outreach on Stormwater Impacts
2. Public Involvement/Participation
3. Illicit Discharge Detection & Elimination
4. Construction Site Runoff Control
5. Post-Construction Stormwater Management in New Development & Redevelopment
6. Pollution Prevention/Good Housekeeping for Municipal Operations

Based on the NOI sent to LDEQ, the Parish has committed to measureable 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 measureable goals and commitments made to LDEQ.

Section 3.1: Public Outreach & Involvement

3.1.1 Educational Pamphlets

Initiated in 2011, the Parish began distribution of construction site runoff pamphlets at all preconstruction meetings at the Department of Planning & Zoning. In 2014, this was expanded to include the “Erosion and Sedimentation Control Guidelines for Contractors, Architects, and Property Developers” document that was created to define Parish expectations for stormwater compliance. This document is given out to all parties seeking permits for constructions disturbing more than one acre of soil during the construction process.

The Parish has continued the distribution of the auto maintenance pamphlet that began distribution in 2012, and has made instructional materials available on the official St. Charles Parish website. For 2015, expansion of this program is planned to include distribution of the pamphlet at auto parts retailers located within St. Charles Parish.

3.1.2: Facilitating Public Comment/Complaint Procedures

The Parish “Stormwater Information” page (<http://www.stcharlesparish-la.gov/index.aspx?page=1055>) includes links for reporting of drainage and garbage concerns. These complaints are then archived for tracking purposes and forwarded to the appropriate department. Complaints/Comments are made by the public via the website, telephone, email, and in person to Parish employees. Looking forward to

2015, implementation of MS4-specific social media is being researched to provide the public another method of communication of their environmental concerns to the Parish government.

Additionally, located on the Stormwater Information section of the Parish's official website are links providing information regarding LPDES permitting, the Parish's MS4 Annual Reports, Stormwater runoff specifications, the full Chapter 25 ordinance, SPCC FAQs, the Parish SWMP, NOI, Stormwater pollution prevention guidance, and a link to the USEPA/Weather Channel documentary "After the Storm." In 2015 this information page will include links to the Contractor/Architects guidelines and the MS4 Outfall map.

3.1.3: Public Service Announcements on Local Television

In March 2012, as part of the public outreach campaign, the Parish began airing the USEPA/Weather Channel documentary "After the Storm," on SCP TV, or cable TV channel 6. This document airs on the 1st of every month at 9:30a and this schedule will continue into 2015 and beyond. "After the Storm" and instructional videos on Stormwater Pollution Prevention Plans are currently available for viewing via streaming video on the Stormwater Information section of the Parish website.

3.2: Public Involvement & Participation

3.2.1 Storm Drain Marker Program

Identifying a need for public education, the St. Charles Parish Department of Public Works began installing storm drain catch basin markers in January 2012 in order to educate the public that storm drains discharge directly to receiving water bodies. An additional 4395 storm markers were installed in 2014; this figure includes new installations and replacement due to theft/accidental detachment. This program is ongoing through 2015 and has entered the maintenance/repair stage of marker installation.

3.2.2 Household Hazardous Material Collection Day & Trash Bash

Parish employees, industry professionals, schools, and the general public have worked together towards the goal of improving stormwater quality through teamwork. Trash Bash is held twice a year in the spring and fall to reduce debris/refuse in the Parish MS4 system. The Household Hazardous Material Collection day is an ongoing venture between St. Charles, St. John, & St. James Parishes, and the Louisiana Departments of Environmental Quality and Agriculture & Forestry. On this day collection locations are staffed in order to collect household hazardous material that cannot be disposed of during normal curbside trash collection.

3.3: Illicit Discharge Detection & Elimination

In 2014, the Parish passed the Chapter 25 ordinance, which included in-depth provisions for IDDE, as well as construction site runoff regulation and post-construction stormwater inspection procedures. 13 Public Works maintenance vehicles contain spill kits, with expansion to 25 units in 2015. Parish employees have been given a standing order to report all environmental concerns to the Department of Public Works – MS4 Coordinator. Expansion of the methods used by the public to report illicit discharges using social media such as Facebook and Twitter is currently being discussed for 2015.

3.3.1: Watershed Inspection Program

Drainage System Maintenance Procedures and Watershed Inspection List can be found in Appendix B of the SWMP. Inspections of ponds by St. Charles Parish staff are documented on the Watershed Inspection work order and at a minimum attempt to identify the following information:

- Adequate access to structures via drainage easements and berms;
- Detention ponds that require sediment removal, grassing, outlet control structure repair, and erosion control;
- Accumulation of dirt, debris, or other notable damage at the discharge of outfall structures;
- Stormwater collection and transfer structures that are not properly maintained.

The following are the stormwater pond inspection activities currently performed:

- Periodic inspection to remove sediment and vegetation from inlet, pond, and forebay;
- Occasional inspection for sediment removal;
- Visual screening for contaminants/pollutants on water surface. (e.g. oil sheen)

The following are the stormwater inspection activities for separator units and pump station bar screens:

- Inspect separator unit/bar screens for integrity
- Inspect for and remove sediment, oil/grease, and debris using catch basin cleaning equipment. Manual removal is used if required.

Expansion of the Watershed Inspection program is planned beginning in 2015 concurrent with the expansion of the MS4 section of the Department of Public Works.

3.3.2: Illegal Dumping Ordinance

Illicit dumping is prohibited by the St. Charles Parish Code of Ordinances Chapter 10. St. Charles Parish tracks reported dumping issues through the website and uses security cameras when available at hotspots to monitor activity. Approximately 50 work orders were completed regarding trash cleanup in 2014.

The Parish tracks work orders associated with trash/debris pickup, including but not limited to; tire cleanup, ditch clearing/cleaning, culverts blown, and installing or replacing “No Dumping” signs. Regular inspections of culverts, canals, pump stations, and other drainage structures can be reviewed using the Department of Public Works’ monthly and annual reports. Details are found in Appendix A in the Best Management Practices tracking charts.

3.3.3 Sewer Ordinance Enforcement

Sewer system regulations are located in the St. Charles Parish Code of Ordinances, chapter 22. Sanitary Sewer Overflows are tracked and handled according to the Sewer Overflow Response Plan (SORP), written in 2013. The SORP is fully implemented and issues are tracked to expedite cleanup and necessary repairs by the necessary personnel. 79 sewer overflows were tracked, vacuumed, deodorized, and returned to the sewer system in 2014.

3.3.4 Master Drainage Plan

The Parish has written and maintained a Master Drainage Plan as part of the IDDE minimum control measures and in 2013 ongoing drainage capital improvement projects were incorporated into the parish MDP.

St. Charles Parish maintains an updated GIS inventory of stormwater control and conveyance structures including; pipes, catch basins, pump stations, manholes, jack & bores, canals, and ditches located across the Parish. Inspection and maintenance teams locate individual structures, record inspection results, prioritize maintenance needs, and issue maintenance work orders. Drainage System Inventory is continuously updated and incorporated into the Parish's Master Drainage Plan.

Parish agencies work together to maintain an updated inventory of stormwater control structures and conveyances within St. Charles Parish. Inventory monitoring will provide Public Works personnel the ability to observe signs of increased drainage loads to pump stations in order to signal the need for enhanced controls due to an increase in the impervious areas of new developments.

St. Charles parish continues to refine the data needed to maintain an updated outfall inventory. Maps displaying the outfall locations are maintained by Parish Geographic Information System (GIS) and MS4 personnel. These maps are updated as repairs and improvements are made.

3.4 Construction Site Stormwater Runoff Control

3.4.1 Construction Site Runoff Control Ordinance

St. Charles Parish passed the Chapter 25 ordinance on January 21, 2014, effective March 1st. The ordinance was drafted after consultation with parish officials, attorneys, environmental engineers, and parish officials from larger municipalities with fully-implemented MS4 programs. The ordinance included provisions for addressing IDDE, construction site stormwater control, and post-construction stormwater management. A guideline document has been produced by the Department of Public Works and is given to property owners, architects, and contractors during the building permit process.

3.4.2 Construction Site Inspection and Enforcement Procedures

In late 2014, Department of Public Works personnel met with the Department of Planning and Zoning to integrate MS4 compliance procedures into the building permit process. This process included runoff control specification checklists, SWPPP review, and custom site inspection checklists. As part of the permitting process, documents submitted are subject to approval by the MS4 Coordinator and certification must be attained before construction is allowed to begin. The Parish has identified the need for construction site stormwater training for its construction inspectors. Training began in January 2015.

The Department of Public Works worked extensively with the Planning and Zoning Department in the development of the Chapter 25 ordinance and the stormwater management plan (SWMP). The ordinance allows for plan review processes to ensure water quality considerations and contractor compliance with permits LAR100000 and LAR200000. The Parish now conducts SWPPP review, drainage impact analysis, Erosion & Sediment Control (ESC) Agreements, and Stormwater Maintenance into these

review processes. The Parish completed three SWPPP reviews in 2014 and will require SWPPP reviews for all applicable projects in the future.

3.5 Post-Construction Stormwater Management

St. Charles Parish drafted a comprehensive stormwater ordinance that included provisions for post-construction runoff control. These practices were incorporated into the Chapter 25 ordinance and the updated Stormwater Management Plan (SWMP) as part of the MS4 permit renewal process. The Department of Public Works & Planning & Zoning collaborated in order to incorporate the new water quality guidelines during the planning/permitting process. These new directives included SWPPP reviews, drainage impact analysis, Erosion and Sedimentation Control (ESC) Agreements, and Structural Stormwater permitting. The Chapter 25 ordinance, which contains provisions for post-construction stormwater management, was signed on January 21, 2014 and officially in place on March of 2014. Following the hiring of an MS4 Coordinator to oversee management of the Parish's MS4 program, the ordinance is nearing full implementation.

3.6 Pollution Prevention and Good Housekeeping for Municipal Operations

3.6.1 Spill Response and Prevention Plan

The Parish elected to formalize spill plans for municipally controlled pump station and maintenance yards in 2012 and has issued a task order to an environmental consultant to develop SPCC plans for the facilities. These plans were completed in 2014. Additionally, the Department of Public Works has issued a technical memorandum to the other Parish departments outlining the criteria determining the need for a formal SPCC plan. In 2013, the Department of Public Works collected information on the fuel storage of other departments, and put together a plan to assist the departments. To date, information has been received from the Wastewater Department, Water Works, Hospital, Courthouse, Community Center, & Sheriff's Department. SPCC plans for the Wastewater, Water Works Departments, and the Courthouse are complete, and the development of plans for the Community Center, Emergency Operations Center, and Recreation is ongoing.

As part of the SPCC (Spill Prevention Controls and Countermeasure) and SWMP (Storm Water Management Plan) development effort in 2013, St. Charles Parish now maintains an SPCC inventory of Municipal facilities that have the potential to cause pollution. Appendix C of the SWMP lists all municipal facilities inventoried for SPCC to date, including 2 fleet maintenance and fueling facilities, East Bank Water Works, West Bank Water Works, East Bank and West Bank Wastewater Department, Courthouse, Community Center, and 114 drainage pump stations. The facility inventory may be further updated as future facilities become operational, are decommissioned, or upgraded.

Currently there are 13 spill response kits located on various SCP Public Works vehicles within the Parish; this number is planned to expand to 25 units in 2015. A current inventory of vehicles equipped with spill response equipment is available at the Director's Office, St. Charles Parish Department of Public Works/Waste Water.

In a further spill reduction effort, the Parish currently recycles used oil and will continue to develop standard operation 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 procedures 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. It will include training for employees on spill prevention and cleanup, and ready access to spill cleanup materials. Training in spill response procedures for all applicable parish employees will begin early 2015. The Parish will develop procedures per the current used oil collection process and will identify potential expansion of the program to make collection and recycling of used oil easier for the community. In 2012, the Parish distributed an auto-maintenance pamphlet throughout the Parish, and added the pamphlet to the website in 2013. Expanding of the distribution of this pamphlet to parish auto parts retailers is planned for 2015.

Section 4: Assessment of Appropriateness of Identified BMPs

Table 1 identifies the BMPs that St. Charles Parish is currently using. 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					
Minimum Control	BMP Unique Identifier	Description	Degree of Suitability	Proposed Change	Comments
Public Education and Outreach	1A	Pamphlets	Good	Enhancement	Pamphlets and education 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. For 2015, the program is scheduled to be expanded to include Parish auto parts retailers.
	1B	Website	Good	Enhancement	In 2011, the Parish added a stormwater link from the homepage which includes instructional videos, links for reporting drainage and dumping concerns. Enhancements in 2014 included; information on stormwater ordinances and management practices, and information on construction site runoff management. As new material is developed, it will be added to the Parish "Stormwater Information" page.
	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	Continue Development	4395 markers were installed in 2014, with an additional 2700 purchased for 2015.
	2B	Hazardous Waste Day and Trash Bash Day	Superior	None	This BMP changed in 2011. Household Hazardous Materials Collection Day had been held annually in St. Charles Parish since 1992 and its purpose 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	Superior	None	In 2011, the Parish developed a draft IDDE ordinance to specifically address illicit discharges to the storm drain system. This ordinance was reviewed in 2012 through parish legal, and a more comprehensive draft stormwater ordinance developed. IDDE part of Chapter 25 passed January 2014, and implementation began on March 1, 2014
	3B	Dumping Ordinance	Superior	None	In 2011, the Parish began tracking work orders associated with picking up trash/debris, old tires, cleaning ditches and culverts of trash and installing/replacing "No Dumping" signage. This activity to continue.
	3C	Sewer Ordinance	Good	Monitoring	The Parish tracks all sewer complaints and SSOs. Parish to formalize document controls associated with the Sewer Overflow Response Plan (SORP). 79 overflow incidents occurred in 2014.
	3D	Master Drainage Plan	Good	Continue Development	The Master Drainage Plan will continue capital improvement projects. Begin to identify potential sources of pollution and prioritize watershed inspections for IDDE based on the inventory of structural stormwater controls. Inspections for all SCP stations will begin in 2015.
Construction Site Runoff Control	4A	Construction Site Runoff Ordinance	Good	Continue Development	In January 2014, the Parish passed the Chapter 25 ordinance addressing construction site stormwater control. 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 and will begin hiring inspectors in 2015.
	4B	Construction Site Inspection and Enforcement Procedures	Good	Continue Development	Construction Site inspection forms were created in 2014, along with an MS4 enforcement policy. Training for Parish stormwater inspectors began late January 2015.
Post-Construction Runoff Control	5A	Landscape and Stormwater Management Ordinance	Good	Enhancement	In January 2014, Parish Passed ordinance Chapter 25 addressing post-construction runoff control. The Parish will continue to refine its processes through implementation of Chapter 25.
	5A	Watershed Inspections	Good	Enhancement	Watershed inspections are an ongoing Parish Maintenance activity. Future development to include more focus to water quality through employee training as well as hiring of dedicated Stormwater Inspectors beginning 2015.
Pollution Prevention/Good Housekeeping	6A	Spill Response and Prevention Plan	Good	Enhancement	Currently 13 maintenance units are equipped with spill kits. In 2012, the Parish authorized development of SPCC plans for all DPW facilities. DPW issued a tech. memo to assist other departments with SPCC compliance. In 2015, the Parish will begin spill containment and control training for applicable personnel.
	6B	Culvert Cleaning Program	Superior	Superior	Continue Culvert Cleaning Operations
Assessment Key follows on next page.					

<i>Assessment Key</i>	
<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>

Section 5: Progress of Measurable Goals

The most significant progress was the passage of stormwater ordinance, Chapter 25. Additionally a MS4 Coordinator was hired to oversee stormwater related activities within the Parish. Through the development of the ordinance and the SWMP, St. Charles Parish was able to formalize some specific process for managing planning/permitting, operation and maintenance incorporating water quality considerations. The Parish has formalized SPCC plans and has developed an inventory of aboveground fuel storage, as well as an inventory of structural stormwater controls. The following list describes progress with respect to measurable goals reported for the 2014 annual report:

- The current Parish code of ordinances that address drainage and flood control, illicit sewer discharges and connections, and illicit dumping were reviewed in 2011. In 2012, the Parish drafted an IDDE ordinance to address illicit discharges into the storm sewer system. The draft IDDE ordinance was reviewed by the Parish legal department and compared with the code in surrounding Parishes. After further research, the Parish decided to draft a more comprehensive stormwater ordinance to address compliance with IDDE, construction site runoff, and post-construction stormwater management. In 2013, the draft ordinance was reviewed by Parish officials and legal counsel; the Parish Council passed ordinance Chapter 25 – Stormwater Management and Erosion and Sedimentation Control in January 2014.
- The Parish reviewed the Construction Site Runoff Control procedures, and developed process documentation to assist in ensuring compliance with LPDES General Permit requirements. The documentation included construction site inspection checklists, SWPPP checklists, and a specification section specifically addressing construction site runoff control. The effectiveness of the documents was evaluated, and resulted in a custom inspection form to include checks that ensure compliance with LAR100000 and LAR200000. The Parish began stormwater training options for construction inspectors in January 2015.
- The Parish Web site 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 tracking are presented monthly by the Department of Public Works to the Parish president. In 2015 this will be expanded into social media such as Facebook/Twitter to aid in reporting by citizens.
- The Parish Stormwater Information web page now includes links for reporting drainage or dumping concerns, a link for Hazardous Materials Collection Day and Trash Bash, including videos, FAQs, annual MS4 report, pamphlets, construction specification section, and videos “After the Storm” and SWPPP intro. In 2014, enhancements to the Parish stormwater page to include links to the stormwater ordinance, SPCC criteria memo, SWMP, construction general permits, example SWPPPs. Enhancements to the Trash Bash website included links for sign-up, spread the word, photos, previous events, trash bash stats map, recycling locations, Garbage/Recycling/Hazardous materials FAQ, News, Harry Hurst Wetland Waters, Volunteer Roll Call, Public Service Announcements, Facebook Litter hotspots map.
- With the development of the SWMP in 2013, St. Charles Parish now maintains an updated, searchable inventory of stormwater control and conveyance structures, including pipes, catch basins, pump stations, manholes, jack & bores, canals, and ditches, etc. located across St. Charles Parish. Inspection and maintenance teams locate individual structures, record inspection results, prioritize maintenance needs, and issue maintenance work orders. Drainage

System Maintenance Procedures and Watershed Inspection List can be found in Appendix B of the SWMP. This inventory is continuously updated and incorporated on an ongoing basis into the Parish's Master Drainage Plan. St. Charles Parish will continue to refine the outfall inventory during ongoing inspections and develop revised inventories as part of the Annual Report Cycle. Maps detailing the structural inventory are maintained by the Parish GIS Department and updated as necessary.

- In 2011, the Parish developed an erosion and sediment control brochure/pamphlet, and distributed it to all construction permit applicants at preconstruction meetings. The pamphlets were distributed throughout 2012, and will continue in an increased capacity. Also, in 2011, the Parish modified an existing auto-maintenance pamphlet, and distributed it throughout the Parish during 2012. In 2013, these pamphlets were added to the parish website. In 2015, further education via Parish website is being evaluated to include auto parts retailers located within St. Charles Parish.
- Several pamphlets and brochures will be distributed to target audiences throughout the year, including the previously developed construction site runoff pamphlet and the auto-maintenance pamphlet. In 2013, the Department of Public Works distributed a technical memorandum developed to assist other Parish departments in identifying the need for written SPCC plans. The Public Works department continues to distribute on a periodic basis. The Parish has collected information from the Wastewater Department, Water Works, and the Sheriff's Department. The effort has been very effective and resulted in the completion of SPCC plans for the Wastewater and Waterworks Departments. Work was completed on the pump stations, municipal yards, and courthouse SPCC plans in 2014. In 2015, the Parish's SPCC plans will be expanded to cover all applicable municipal departments, including Community Center and the St. Charles Emergency Operations Center, or EOC.
- St. Charles Parish DPW plans to continue collecting information on the fuel storage of other Parish departments. Appendix C of the SWMP lists all municipal facilities inventoried for SPCC to date, including 2 fleet maintenance and fueling facilities, East Bank Waterworks, West Bank Waterworks, East Bank and West Bank Wastewater Department, Courthouse, Community Center, and 114 drainage pump stations. The facility inventory may be further updated as future facilities become operational, decommissioned, or upgraded.
- In 2014, The Parish has installed 4,395 storm drain markers on the east bank, the west bank, and plans to install 2,000 in 2015.
- Over 48,510 pounds of hazardous materials were collected at the 2014 annual Household Hazardous Materials Collection Day on March 15, 2014. Approximately 93% was recycled and/or recovered.
- The spring 2014 Trash Bash event was held on March 22, 2014. A total of 420 volunteers from community groups and industry filled 218 bags with roadside litter, or about 1,560 pounds of garbage. The event was sponsored and staffed by volunteers from Valero, Atmos Energy, ES&H, Global Recycling LLC, the Oldies But Goodies, and the Harry Hurst Wetland Watchers.
- The Parish will continue to use Channel 6 for public service announcements on stormwater and what the public can do to prevent stormwater impacts. The Parish began airing the USEPA and Weather Channel watershed documentary "After the Storm" on March 1, 2012, and will continue airing it at 9:30 on the 1st of every month.

- Currently 13 maintenance units are equipped with OIL-DRI spill kits with 25 scheduled by the end of 2015.

Section 6: Changes in identified BMPs or Measurable Goals

The specific SMPs identified in this document have served as the basis for the Parish's Stormwater Management Program and Plan since 2011. The BMPs that 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 annually, and the semiannual Trash Bash will be held, providing an opportunity for the community to participate in removal of the additional waste streams from potential stormwater exposure. The Parish is currently authorized for discharge under 2013 LAR0400000 after receiving notification of the new revised permit on February 20, 2013, and developed an updated Stormwater Management Program and Plan and new NOI. The effort resulted in changes to the identified BMPs and associated measurable goals based on the revised permit. The BMP revisions are reflected below for the 2014 annual reporting cycle.

Listed in the following subsections are the current measurable goals sent to LDEQ as part of the permit's NOI, and changes proposed in 2015.

6.1 Public Outreach and Involvement

St. Charles Parish updated the measurable goals for Public Outreach and Involvement in 2014 to reflect current Parish priorities.

The following are the current Parish measurable goals consistent with the NOI submission:

- Number of comments/complaints posted to the Parish website regarding drainage and dumping – *On-going*
- Website enhancements – *On-going*
- Social Media Outreach is being discussed for 2015.
- The Parish plans to release at least one stormwater related education pamphlet per year to an identified target audience. This program is ongoing and will be expanded annually.
- The Parish will continue to air the EPA documentary "After the Storm" on the first of every month on Channel 6.
- A series of environmental-related science class presentations at the two high schools in St. Charles parish is being discussed for late 2015.

The following were the Parish measurable goals in the previous reporting cycle:

- 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. The activities will be documented and presented in the annual report. *Expansion of the auto care pamphlet to Parish auto parts retailers is planned for 2015.*

6.2 Public Involvement and Participation

St. Charles Parish updated the measurable goals for Public Involvement and Participation in 2013 to reflect current Parish priorities.

The following are the current Parish measurable goals consistent with the NOI submission:

- Number of Catch basins marked: *4,395*
- Pounds of material collected during Household Hazardous Material Collection Day: *48,510*
- Number of bags of trash collected during Trash Bash Day: *218*
- Hire an Environmental Manager to further develop the Public Information and Education Plan: *Completed. The job title of the new environmental manager position is "MS4 Coordinator."*

The following were the Parish measurable goals in the previous reporting cycle:

- Number of storm drains marked: *4395 – This includes new drains marked and replacement of stolen/detached markers.*
- Trash Bash and Household Hazardous Material Collection Day will continue to log measurable quantities of materials collected and volunteers used as a public participation control measure.

6.3 Illicit Discharge Detection and Elimination

As part of the SWMP and NOI submission and reauthorization process, the Parish changed its measurable goals for the IDDE control measure. The following is consistent with NOI submission:

- Passage of code of ordinances Chapter 25 – Stormwater Management and Erosion and Sedimentation Control – *Passed by St. Charles Parish Council January 2014.*
- Complete outfall inventory. See more information in section 3.3.4.
- Complete inventory of industrial and commercial facilities by 2017.
- Number of work orders generated to address drainage and dumping concerns. *On-going.*
- Social Media Outreach for illicit discharge reporting is being researched.
- Number of SSOs reported, work orders executed to address overflows. *On-going.*
- Parish employees informed that the MS4 Coordinator is the point of contact for stormwater and environmental issues within St. Charles Parish.

The following were the goals outlined in the previous reporting cycle:

- Continue to monitor dumping through Parish ordinances (existing). *Approximately 50 complaints in reference to garbage/dumping were made to Public Works in 2014.*
- Passage of draft stormwater ordinance to specifically address illicit discharges into the storm drainage system. In 2013, this measurable goal changed to passage of the comprehensive stormwater ordinance designed to address IDDE as well as construction site runoff control and post-construction stormwater management.
- The internal Parish reporting procedures handle and monitor sanitary sewer overflows. The Parish will continue to report sanitary sewer overflows. *79 overflows occurred in 2014.*
- Removal of single walled tanks and replacing will double walled. Dikes remain when possible to provide tertiary containment. *Ten single walled tanks remain in Public Works' inventory. Replacement is planned for 2015-2016.*

6.4 Construction Site Stormwater Runoff Control

As part of the SWMP and NOI submission and reauthorization process, the Parish changed its measurable goals for this control measure. The following is consistent with NOI submission:

- Passage of Chapter 25, Code of Ordinances – Stormwater Management and Erosion and Sedimentation Control.
- One Parish inspector trained in Construction Erosion and Sedimentation Control. The Parish has a goal of 15 employees by third quarter of 2015.
- Job sites inspected for SWPPP compliance. *Three plans inspected and approved. Sites are inspected periodically throughout the construction process to insure compliance.*

The following were the goals outlined in the previous reporting cycle:

- Parish contracts to include LDEQ Construction Stormwater General Permit language for all construction sites. *This activity is on-going since 2011.*
- Parish inspectors and engineers will be set up to monitor compliance. The Parish formalized process with Planning and Zoning department for ordinance and SWMP implementation. *The MS4 Coordinator is present during pre-application meetings in order to educate contractors and architects on MS4 Compliance.*
- LDEQ Stormwater General Permit requirements will be added to all Parish construction permits and established by Parish law. *This was completed with the passage of Chapter 25.*
- New specifications will be added to all future construction contracts. *On-going since 2011.*
- The contractor will be required to specify specific stormwater abatement issues. Goal changed for clarity.
- Complete draft ordinance. *Completed*
- 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 completed this activity with the development of the SWMP and stormwater ordinance.*
- Number of Parish construction inspectors trained for stormwater runoff control. *1. Additional inspectors will be hired 2015-2016.*

6.5 Post-construction Stormwater Management

As part of the SWMP and NOI submission and reauthorization process, the Parish changed its measurable goals for this control measure. The following is consistent with NOI submission:

- Passage of Chapter 15, Code of Ordinances – Stormwater Management and Erosion and Sedimentation Control. *Complete.*
- Number ESC agreements issued. *ESC review requirements by MS4 coordinator is in effect.*
- Number of Post-Construction Stormwater Permits issued. *Post-Construction permitting is now in effect for new projects.*
- MS4 Certification required for all new construction > 1 acre

The following are the Parish measurable goals for the previous reporting cycle:

- The Parish is working on ordinances to eliminate or reduce post construction runoff. *Complete.*
- The Parish is updating the master drainage plan. *On-going.*
- New ordinances will include requirements for site/BMP inspection and maintenance. *Complete.*
- Develop ordinance to eliminate or reduce post-construction runoff. *Complete.*
- Continued enhancement of master drainage plan through capital improvement projects. *On-going.*
- Completeness evaluation of the master drainage plan. *This resulted in the structural inventory presented in section 3.3.4.*

6.6 Pollution Prevention and Good Housekeeping Municipal Operations

AS part of the SWMP and NOI submission and reauthorization process in 2013, the Parish changed its measurable goals for this control measure. The following is consistent with NOI submission:

- On-going program to replace all single-walled tanks under Parish operation. *Expected date of completion for Public Works tank inventory – 2015.*
- Complete SPCC Plans for all municipal facilities. *On-going.*
- Culvert and ditch cleaning program. *On-going.*
 - Number of work orders – 9,427
 - Feet of culverts cleaned/blown – 82,521
 - Linear feet ditches cleaned – 143,154
 - 4,224 feet of culverts replaced
 - 164,740 feet canals cleaned

The following were the Parish measurable goals for the previous reporting cycle:

- The spill response and prevention plan will be updated. Public Works, Wastewater, Waterworks, and the Courthouse plans have already been completed and implemented. *Remaining departments will complete their spill plans in 2015-2016.*
- The Parish currently recycles used oil but has no procedure; a procedure will be developed. *Procedure incomplete. Estimated completion in 2015. Used oil is stored for pickup by a local disposal contractor as needed and recycled.*

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

- 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 the Department of Public Works, review current oil change procedures, and draft a standard operating procedure for recycling used oil.
- Develop and maintain an updated inventory and locations of all spill cleanup equipment available for use by Parish employees.

Section 7: Activities for the Next Reporting Cycle

Table 2 presents the BMP activities planned for 2015.

Table 2 – Anticipated 2015 Activities

BMP Unique Identifier	Description	Activity Planned
1A	Pamphlets	Identify additional target audiences and potential material – ongoing
1B	Website	Add links for all pamphlets developed for use in Parish, and any other relevant material identified. Identify additional information to include on website – complete but ongoing. Social Media expansion planned for implementation in 2015
1C	Channel 6	Identify additional information that can be aired on Ch. 6. Comprehensive list of stormwater related information TV segments. - ongoing
1D	Science Class Lectures	Perform stormwater-related presentations for Parish high school science classes – late 2015
2A	Catch Basin Markers	Continue installation of markers on unmarked catch basins – ongoing. Goal of 2000 markers installed for 2015.
2B	Haz. Mat. Collection Day	Household Hazardous Material Collection Day – April 18, 2015
2C	Trash Bash Day	Roadside garbage clean-up day, March 7, 2015
2C	Trash Bash Day	Roadside garbage clean-up month, October 2015
3A	IDDE Inspection	The Parish is constructing IDDE training for the employees responsible for watershed inspections
3A	IDDE Inspection	MS4 Coordinator to begin development of Enforcement Response Plan – nearing completion, awaiting final approval.
3B	Dumping Ordinance	Continue to monitor dumping through parish ordinance – ongoing
3C	Sewer Ordinance	Continue to monitor sanitary sewers through parish ordinance. Document responses in accordance with Sewer Overflow Response Plan (SORP) – ongoing
3D	Master Drainage Plan	Begin to identify potential sources of pollution and prioritize watershed inspections for IDDE – ongoing
4A	Construction Ordinance	Continue ordinance implementation with documented processes – ongoing
4B	Construction Inspection	Continue to develop processes for ensuring contractor compliance with LAR10000 and LAR200000 – ongoing. Stormwater Construction Inspectors will be hired beginning in 2015.
4B	Construction Inspection	Consider construction site stormwater training options for parish construction inspectors – training began January 2015.
5A	Post-Construction Runoff	Passed Chapter 25 ordinance, future developments include implementation of the new ordinance – ongoing
5B	Watershed Inspections	Watershed inspections are an ongoing Parish Maintenance activity. Future development to include more focus to water quality through employee training – ongoing
6A	Spill Prevention	Complete SPCC plans for Recreation, Emergency Operations Center, Community Center.
6A	Spill Prevention	Assist other parish departments with SPCC requirements and compliance with 40 CFR Parish 112 – ongoing.
6B	Culvert Management Program	Continue to record number of work orders, number of ditches/culverts cleaned, linear feet of new culverts dug, linear feet of culverts blown - ongoing

APPENDIX A: BMP ACTIVITY SUMMARY

MS4 Name: St. Charles Parish

Unique Identifying Control Number: 1A

Minimum Control Measures Addressed by this BMP

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

BMP Title: Educational Pamphlets	
BMP Description: St. Charles Parish officials annually review available pamphlets and literature readily available online at LDNR or EPA's websites decide which ones to use and direct at a specific audience, then distribute the pamphlets at locations of interest. The Parish also works with a consultant to develop memos and educational materials directed at specific audiences. Expansion of pamphlet distribution to Parish auto parts retailers discussed for 2015.	
Measurable Goals: <ul style="list-style-type: none"> Stormwater construction run off pamphlets distributed at every pre-construction meeting to contractors – complete & ongoing Guidelines document outlining Parish/LDEQ expectations for contractors/architects distributed to managers of applicable projects distributed at Planning & Zoning Pre-Application Meetings -- ongoing Modified Auto-maintenance pamphlet Identify additional target audiences and potential material - ongoing 	Timeline/Implementation Schedule: <ul style="list-style-type: none"> October 2015 – Distribute auto maintenance pamphlet to auto parts retailers located within St. Charles Parish.
Specific Components & Notes (optional):	
Responsible Person	
Name: Renee Allemand-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/General Public	
Educational Goal: To improve auto-maintenance and car care practices	
Technical memorandum outlining criteria for identifying the need for SPCC plans – Audience: Other Parish Departments	

MS4 Name: St. Charles Parish

Unique Identifying Control Number: 1B

Minimum Control Measures Addressed by this BMP

x	Public education & outreach
x	Public participation & involvement
x	Illicit discharge detection & elimination

x	Construction site runoff controls
x	Post construction stormwater management
	Pollution prevention/Good housekeeping

BMP Title: Public Comment/Complaint Procedures	
BMP Description: The Parish, with the assistance of an environmental consultant, had 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, e-mail, and verbal communication with Parish officials. Additional links, videos and enhancements included on the Trash Bash link. Social Media outreach such as MS4-specific Twitter/Facebook accounts discussed for implementation late 2015.	
Measurable Goals: <ul style="list-style-type: none">• Number of complaints/comments posted to the website. 50 garbage/dumping complaints, 111 drainage concerns in 2014.• Documented actions by DPW.• The Department of Public Works processed 9,427 work orders in 2014. (See DPW annual report to Parish President)• Continued enhancement to include posting Parish pamphlets, ordinances, BMPs and annual reports on the Parish website's "Stormwater Information" page.• Social Media Outreach being discussed for Public Comment/Complaint procedures.	Timeline/Implementation Schedule: <ul style="list-style-type: none">• Tracking work orders continue through 2015 and beyond. -- ongoing• Enhancement to information contained in Parish Stormwater Information webpage as necessary – ongoing.• Social Media Outreach for stormwater-related concerns will begin implementation late 2015.
Specific Components & Notes (optional): Stormwater Information Page – http://www.stcharlesgov.net/index.aspx?page=1055 Added links reporting drainage or dumping concern, a link for Haz. Mat. Collection Day and Trash Bash including videos, FAQs, annual report, pamphlets, construction specification section, and videos "After the Storm" and SWPPP intro Haz. Mat. Collection Day Page – http://stcharlesparish-la.gov/index.aspx?recordid=3320&page=26 Trash Bash Day Page – http://www.stcharlesparish-la.gov/index.aspx?page=761 Trash Bash Website enhancements now include links for sign-up, spread the word, photos, previous events, trash bash stats map, recycling locations, Garbage/Recycling/Hazardous Materials FAQ, News, Harry Hurst Wetland Watchers, Volunteer Roll Call, Public service announcements, Facebook, Litter hotspots map.	
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 complain/comment forum for illicit discharge, detection and elimination, as well as construction site stormwater violations	

MS4 Name: St. Charles Parish

Unique Identifying Control Number: 1C

Minimum Control Measures Addressed by this BMP

x	Public education & outreach
x	Public participation & involvement
x	Illicit discharge detection & elimination

x	Construction site runoff controls
x	Post construction stormwater management
	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 stormwater and what the public can do to prevent stormwater 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 1 st of every month.	
Measurable Goals: <ul style="list-style-type: none">• 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.• "After the Storm" ran 12 times on Ch. 6 in 2013.• "After the Storm" video available on Parish "Stormwater Information" webpage.• Added SWPPP intro video to the Parish Stormwater webpage, the Parish will consider airing on Ch. 6.	Timeline/Implementation Schedule: <ul style="list-style-type: none">• March 2012 – Began airing "After the Storm" and will continue at 9:30 am the first of every month.• August 2014 – Identify additional information that can be aired on Ch. 6.• October 2014 – Comprehensive list of stormwater related information TV segments.• October 2015 – Identify and distribute two new stormwater/environmental instructional videos on the "Stormwater Information" webpage.
Specific Components & Notes (optional): "After the Storm" DVD, "Stormwater Pollution Prevention Intro" Airs the first of each month at 9:30 am. 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: Hppt://www.stcharlesparish-la.gov/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 generate public awareness of impacts of stormwater runoff	

MS4 Name: St. Charles Parish

Unique Identifying Control Number: 1D

Minimum Control Measures Addressed by this BMP

x	Public education & outreach
x	Public participation & involvement
x	Illicit discharge detection & elimination

x	Construction site runoff controls
x	Post construction stormwater management
x	Pollution prevention/Good housekeeping

BMP Title: High School Science Class Lectures	
BMP Description: Educate high school students on the importance of stormwater pollution effects, IDDE reporting, and prevention using a series of presentations designed to educate and engage students	
Measurable Goals: <ul style="list-style-type: none">Perform science class lectures at Parish high schools, Hahnville High and Destrehan High, in order to educate students on the importance of stormwater pollution prevention and methods of reporting suspected illegal discharges.	Timeline/Implementation Schedule: <ul style="list-style-type: none">October 2015 – Hahnville HighNovember 2015 – Destrehan High
Specific Components & Notes (optional):	
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 generate public awareness of impacts of stormwater runoff and importance of citizen monitoring for IDDE.	

MS4 Name: St. Charles Parish

Unique Identifying Control Number: 2A

Minimum Control Measures Addressed by this BMP

<input checked="" type="checkbox"/>	Public education & outreach
<input type="checkbox"/>	Public participation & involvement
<input checked="" type="checkbox"/>	Illicit discharge detection & elimination

<input checked="" type="checkbox"/>	Construction site runoff controls
<input checked="" type="checkbox"/>	Post construction stormwater management
<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: <ul style="list-style-type: none">4395 drains were marked in 2014. This includes drains not previously marked and drain markers installed to replace damaged/stolen markers.2700 were ordered for placement in 2015.	Timeline/Implementation Schedule: <ul style="list-style-type: none">July 2015 – Review procedure designed, reviewed, and finalizedDecember 2015 -- 2000 of the 2700 markers ordered for 2015 are placed
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.	

MS4 Name: St. Charles Parish

Unique Identifying Control Number: 2B

Minimum Control Measures Addressed by this BMP

<input checked="" type="checkbox"/>	Public education & outreach
<input checked="" type="checkbox"/>	Public participation & involvement
<input type="checkbox"/>	Illicit discharge detection & elimination

<input type="checkbox"/>	Construction site runoff controls
<input type="checkbox"/>	Post construction stormwater management
<input checked="" type="checkbox"/>	Pollution prevention/Good housekeeping

BMP Title: Household Hazardous Material Collection Day	
BMP Description: On Saturday, March 15, 2014, the 16 th Household Hazardous Materials Collection Day was held in Luling, LaPlace and Lutcher, LA. This event had been held annually since 1998 and its purpose is to provide area households an opportunity to properly dispose or recycle materials that are inappropriate for curbside pickup. Materials such as solvents, poisons, used oil, electronics, and corrosives require special handling to minimize safety and environmental impact. http://stcharlesparish-la.gov/index.aspx?recordid=3320&page=26 www.hhmcd.com	
Measurable Goals: 22 area manufacturers sponsored the event, providing funding and volunteers. Of the 48,510 pounds of materials collected, 93% was recycled or recovered. Of the 48,510 pounds, 6,600 pounds was used oil and 3,165 pounds was batteries. Used electronics accounted for 13,243 pounds. The three sites this year included assistance from 83 volunteers who serviced drop-offs from 441 vehicles. For more information, visit the event website at www.hhmcd.com or http://stcharlesparish-la.gov/index.aspx?recordid=3320&page=26	Timeline/Implementation Schedule: <ul style="list-style-type: none">• This activity has taken place since 1998.• The 16th annual Household Hazardous Materials Collection Day will be held April 18, 2015
Specific Components & Notes (optional): With approval from Louisiana Department of Environmental Quality and support from St. Charles Parish Council, St. James Parish Office of Emergency Preparedness, Department of Transportation and Development and St. John Parish Sherriff's Office, this event was sponsored by the following companies as a community service: Air Products (multiple locations), ArcelorMittal (formerly Bayou Steel), Cornerstone Chemical Company, Dow, DuPont (two locations), Entergy, Ergon, Evonik Corporation, Galata Chemicals LLC, Marathon Petroleum Company LP, Momentive, Monsanto, Nalco – an EcoLab Company, Noranda, Norco Manufacturing Complex, OxyChem, Plains Marketing, LP, Praxair, Shell Pipeline and Valero. Other organizations which provided volunteers, support services and/or recycling were: ArcelorMittal, 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 – Luling. 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	
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 an opportunity to properly dispose or recycle materials that are inappropriate for curbside pickup.	

MS4 Name: St. Charles Parish

Unique Identifying Control Number: 2C

Minimum Control Measures Addressed by this BMP

<input checked="" type="checkbox"/>	Public education & outreach
<input checked="" type="checkbox"/>	Public participation & involvement
<input type="checkbox"/>	Illicit discharge detection & elimination

<input type="checkbox"/>	Construction site runoff controls
<input type="checkbox"/>	Post construction stormwater management
<input checked="" type="checkbox"/>	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 2014: March 22, 2014 Approximately 420 volunteers gathered on March 22 to help clean up St. Charles Parish as part of the fifth annual spring Trash Bash. In all, 218 bags of trash were collected, equaling approximately 1560 pounds. Fall Trash Bash 2014: Entire month of October Residents were asked to participate on a project of their choosing for the entire month of October for a chance to win one of two iPad tablets donated by Entergy. The Lakewood Elementary 4-H and New Life Community Church received the prizes for their winning entries in the Trash Bash Photo Contest. See additional info on the website video. Trash Bash maintains a Facebook presence for social outreach as well as fliers available for download on the website.	Timeline/Implementation Schedule: <ul style="list-style-type: none">• This even began in March 2009. Historic information on this event can be found on the Parish website.• Spring Trash Bash will be on March 7, 2015.• The Fall event will again be the month of October.
Specific Components & Notes (optional): Spring 2013 Trash Bash; Sponsors for the event included: St. Charles Parish Parks and Recreation Department, Valero, Atmos Energy, ES&H, Global Recycling LLC, the Oldies But Goodies and the Harry Hurst Wetland Watchers. Trash Bash Website enhancements now include links for sign-up, spread the word, photos, previous events, trash bash stats map, recycling locations, Garbage/Recycling/Hazardous materials FAQ, News, Harry Hurst Wetland Watchers, Volunteer Roll Call, Public service announcements, Facebook link, Litter hotspots map.	
Responsible Person	
Name: Renee Simpson-Allemand	
Title: Public Information Officer	
Phone: (985) 783-5000	
E-mail: rsimpson@stcharlesgov.net	
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.	

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"/>	Public participation & involvement
<input checked="" type="checkbox"/>	Illicit discharge detection & elimination

<input type="checkbox"/>	Construction site runoff controls
<input type="checkbox"/>	Post construction stormwater management
<input type="checkbox"/>	Pollution prevention/Good housekeeping

BMP Title: Illegal Discharge Detection and Elimination (IDDE) Inspection Program	
BMP Description: The Parish inspects each inventoried stormwater structure (i.e catch basins, detention ponds, storm drain lines, ditches, etc.) in accordance with Drainage System Maintenance Procedures and Watershed Inspections found in Appendix B of the SWMP to identify potential illicit discharges. St. Charles Parish prioritizes stormwater control structure inspections based on those that discharge to stormwater impaired 303(d)-listed waters and those resulting from complaint investigations. Currently there are no discharges to stormwater impaired 303(d)-listed waters; these will be identified and prioritized as TMDLs are implemented. In 2011, after a review of existing Parish IDDE language, the Parish Director of Public Works directed environmental consultants to draft an IDDE ordinance. A new more comprehensive draft ordinance was developed in 2012, which included sections for addressing IDDE, construction site stormwater control, and post-construction management. In 2013, the Parish performed legal review of the draft ordinance, and passed the general stormwater ordinance Chapter 25 in January 2014.	
Measurable Goals: <ul style="list-style-type: none">• Draft ordinance complete in 2012• Parish Council passed Chapter 25 Stormwater Management and Erosion and Sedimentation Control Jan. 2014• Number of drainage employees trained for IDDE• Documented response to illicit discharges in accordance with Chapter 25 of the code of ordinances	Timeline/Implementation Schedule: <ul style="list-style-type: none">• November 2012 – draft stormwater ordinance was reviewed with the Parish legal department and compared with the ordinance code in surrounding Parishes• January 2013 – Began thorough review of comprehensive stormwater ordinance with all Parish officials and departments• January 2014 – St. Charles Parish Council passed the comprehensive stormwater ordinance Chapter 15• Fall 2014 – The Parish will consider IDDE training options for the employees responsible for watershed inspections• In 2015 MS4 Coordinator will develop and implement Enforcement Response Plan for illicit discharges.
Specific Components & Notes (optional): A comprehensive stormwater ordinance was developed in 2012, which included sections for addressing IDDE, construction site stormwater control, and post-construction stormwater management. In 2013, the ordinance was thoroughly reviewed by Parish legal council, and all Parish officials. Chapter 25 – Stormwater Management and Erosion and Sedimentation Control was passed in January 2014. Drainage System Maintenance Procedures and Watershed Inspections found in Appendix B of the SWMP. In December 2014 the MS4 Coordinator developed an Enforcement Response Plan with IDDE components. This Enforcement Plan awaits Director approval at the time of this report. St. Charles Parish Municipal Code of Ordinances Chapter 22 – Sewers and Sewerage Disposal Specifically addresses illicit discharge and illicit connection to sewers	
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): Chapter 25 ordinance posted to the Parish Stormwater webpage and was advertised in the local paper for public review and comment. The Parish plans to train employees responsible for watershed inspections on IDDE in the coming years.	

MS4 Name: St. Charles Parish

Unique Identifying Control Number: 3B

Minimum Control Measures Addressed by this BMP

<input type="checkbox"/>	Public education & outreach
<input checked="" type="checkbox"/>	Public participation & involvement
<input checked="" type="checkbox"/>	Illicit discharge detection & elimination

<input type="checkbox"/>	Construction site runoff controls
<input type="checkbox"/>	Post construction stormwater management
<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.” This ordinance was reinforced with IDDE provisions in the Chapter 25 stormwater ordinance passed January 2015. 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 at selected hotpots to monitor dumping.	
Measurable Goals: Approximately 50 Work Orders generated in 2014 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: <ul style="list-style-type: none">January 2009 – The Parish began tracking website complaints and actions taken by the ParishFuture Plans – Parish will continue to monitor dumping through its website and Public Works requests
Specific Components & Notes (optional): St. Charles Parish Municipal Code of Ordinances Chapter 10 – Garbage and Trash	
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	

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"/>	Public participation & involvement
<input checked="" type="checkbox"/>	Illicit discharge detection & elimination

<input type="checkbox"/>	Construction site runoff controls
<input type="checkbox"/>	Post construction stormwater management
<input checked="" type="checkbox"/>	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 currently tracks all SSOs from the three WWTP: Destrehan, Hahnville, and Luling. The Parish Department 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. In 2013, the Parish Wastewater Department formalized a Sewer Overflow Response Plan (see Appendix D of the SWMP). The SORP was fully implemented for 2014.	
Measurable Goals: 79 overflows in 2013. All overflows are disinfected and deodorized. Overflows are also washed down, returned back to the system or vacuumed whenever possible. <ul style="list-style-type: none">• Draft IDDE Ordinance complete in 2012• Chapter 25 Ordinance completed legal and Parish review in 2013• Chapter 25 Ordinance passed in Jan. 2014• Completed Sewer Overflow Response Plan (SORP)	Timeline/Implementation Schedule: <ul style="list-style-type: none">• The Parish will continue operations, service, and maintenance of sewer system.• Ongoing – formalized document controls on SSO responses.
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 The Parish continues a number of capital improvement projects to address SSOs. Sewer Overflow Response Plan (SORP)	
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 Post Chapter 25 ordinance and SORP on Parish website	

MS4 Name: St. Charles Parish

Unique Identifying Control Number: 3D

Minimum Control Measures Addressed by this BMP

<input type="checkbox"/>	Public education & outreach
<input type="checkbox"/>	Public participation & involvement
<input checked="" type="checkbox"/>	Illicit discharge detection & elimination

<input type="checkbox"/>	Construction site runoff controls
<input checked="" type="checkbox"/>	Post construction stormwater management
<input type="checkbox"/>	Pollution prevention/Good housekeeping

BMP Title: Master Drainage Plan	
BMP Description: St. Charles Parish maintains an updated, searchable inventory of stormwater control and conveyance structures, including pipes, catch basins, pump stations, manholes, jack & bores, canals, and ditches, etc. located across St. Charles Parish. The Parish will continue to refine the outfall inventory during ongoing inspections and develop revised inventories as part of the Annual Report cycle. Maps detailing the structural inventory are maintained by the Parish GIS Department and updated as necessary. The Parish's current MS4 structural inventory is included below in measurable goals.	
Measurable Goals: <ul style="list-style-type: none"> • 6,523 catch basins • 14,410 ditches • 951 drainage manholes • 178,289 linear feet of storm drain lines • 10,692 pipes 	Timeline/Implementation Schedule: 2013 – Review current Master Drainage Plan for completeness; continue to work toward completion by adding capital improvement projects. 2014/2015 – Begin to identify potential sources of pollution and prioritize watershed inspections for IDDE. Ongoing – Work toward completion by adding capital improvement projects.
Specific Components & Notes (optional): East Bank Master Drainage Plan Eighty Arpent PS upgrade Carriage Canal Repairs Mimosa and Lagatutta Drainage Study and Improvements Montz MDP – Improve KCS Canal Montz MDP – Improve/Realign Coulee Drainage #10 Canal Rd Crossing Culverts Mimosa and Lagatutta Pump Station Major Canal Bank Stabilization – Dunleith Phase II & III Willowdale Box Culverts Coronado Park Drainage Improvements Coronado Park Pump Station 2 upgrade Primrose Canal Crossing Improvement	
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	

MS4 Name: St. Charles Parish

Unique Identifying Control Number: 4A

Minimum Control Measures Addressed by this BMP

<input type="checkbox"/>	Public education & outreach
<input type="checkbox"/>	Public participation & involvement
<input type="checkbox"/>	Illicit discharge detection & elimination

<input checked="" type="checkbox"/>	Construction site runoff controls
<input checked="" type="checkbox"/>	Post construction stormwater management
<input type="checkbox"/>	Pollution prevention/Good housekeeping

BMP Title: Construction Site Runoff Control Ordinance	
BMP Description: In January 2014, the Parish Council passed the ordinance Chapter 25 – Stormwater Management and Erosion and Sedimentation Control. IN 2013 DPW and P&Z formalized plan review processes for inclusion into the SWMP and implantation of the new ordinance. All plans and supporting documents are submitted to the Planning and Zoning Department to obtain an Erosion and Sediment Control (SEC) Agreement, then submitted to DPW for review and approval in accordance with the new ordinance. The MS4 Coordinator meets with all contractors/architects/property owners during the Planning & Zoning permit application process in order to provide guidance on MS4 compliance.	
Measurable Goals: New stormwater specific construction specification section introduced to Parish in 2012. Also introduced SWPPP checklist and Stormwater inspection checklist. In 2013, DPW and P&Z formalized plan review processes for inclusion into the SWMP and implementation of new ordinance. January 2014, the Parish council passed the ordinance Chapter 25 – Stormwater Management and Erosion and Sedimentation Control. The Chapter 25 ordinance was implemented beginning March 1, 2014.	Timeline/Implementation Schedule: <ul style="list-style-type: none">• 2011 – Reviewed parish Planning and Zoning requirements for construction site stormwater and erosion control. Developed spec. section and SWPPP checklists.• 2012 – developed new draft ordinance to specifically address water quality impacts.• 2013 – Legal review of new draft ordinance• 2014 – Passed Chapter 25 ordinance• August 2015 – MS4 Coordinator began implementing Construction Site Runoff Control
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	
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): New Draft ordinance will be posted to the Parish Stormwater webpage and will be advertised in the local paper for public review and comment. Links on stormwater webpage include construction specification section, SWPPP intro video. New information is posted to the “Stormwater Information” website as it becomes available.	

MS4 Name: St. Charles Parish

Unique Identifying Control Number: 4B

Minimum Control Measures Addressed by this BMP

<input checked="" 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 Inspection and Enforcement Procedures	
BMP Description: 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. In 2013, the Parish reviewed and formalized permitting processes for ordinance implementation. The Parish began implementation of SWPPP review, and will continue to implement this plan review with implantation of the new ordinance. These processes are included in the SWMP. St. Charles Parish evaluated several different stormwater construction site inspection forms, and has elected to instead modify the form currently used by Parish inspectors to include items to ensure compliance with the construction general permits – LAR100000 and LAR200000. The Parish has identified the need for construction site stormwater training for its construction inspectors. Training began in early 2015, beginning with the MS4 Coordinator and new stormwater training will occur as the MS4 department undergoes expansion.	
Measurable Goals: <ul style="list-style-type: none"> Completed Ordinance, Ch. 25 passed Jan. 2014 Documented inspection and monitoring procedures 3 job sites inspected for stormwater compliance in latter half of 2014 Number of Parish inspectors trained for Number of SWPPP reviews – 3 for 2014 	Timeline/Implementation Schedule: <ul style="list-style-type: none"> 2011 – Review parish ordinances and monitoring activities 2012 – Developed a Construction Site Runoff Control Specification Section, Site inspection checklists, and SWPPP documentation checklists. 2013 – Reviewed and formalized permitting processes for ordinance implementation. 2014 – Identified need for stormwater training 2015 – Training begins
Specific Components & Notes (optional): New Stormwater Ordinance Construction Permit Procedures Monitoring and Inspection activities Enforcement procedures Construction Site Runoff Inspection and SWPPP checklists Construction Site Runoff Control Specification Section	
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 Links on Parish website include stormwater specification section, SWPPP intro video, and erosion and sediment pamphlet	

MS4 Name: St. Charles Parish

Unique Identifying Control Number: 5A

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: Post-Construction Site Runoff Control Ordinance	
BMP Description: In 2013, DPW and P&Z formalized plan review processes for inclusion into the SWMP and implementation of the new ordinance that includes provisions for post-construction runoff control. In January 2014, the Parish Council passed the ordinance Chapter 25 – Stormwater Management and Erosion and Sedimentation Control. A Stormwater Maintenance Permit will be required which will specify inspections and maintenance activities, allowing tracking of the effectiveness and maintenance of existing structural BMPs. All structural BMPs in a single development will be covered under on Stormwater Maintenance Permit. A Stormwater Maintenance Permit will be issued for any permanent structural Stormwater controls to the developer, or his assignee, upon fulfillment of the performance and warranty obligations and final acceptance of the subdivision in accordance with Appendix C, of the Parish Code of Ordinances, St. Charles Parish Subdivision Regulations of 1981, Ordinance 81-8-2, Sec. II.H. The Parish will survey existing subdivisions and commercial developments every three (3) years to locate existing structural Stormwater controls that do not have a Stormwater Maintenance Permit.	
Measurable Goals: DPW and P&Z formalized plan review processes for inclusion into the SWMP and implementation of the new ordinance that includes provisions for post-construction runoff control. January 2014, the Parish Council passed the ordinance Chapter 25 – Stormwater Management and Erosion and Sedimentation Control August 2014 – MS4 Coordinator begins implementing Post-Construction Runoff Control measures as defined by the Chapter 25 stormwater ordinance.	Timeline/Implementation Schedule: <ul style="list-style-type: none"> • 2011 – Reviewed parish Planning and Zoning requirements for post-construction stormwater control. • 2012 – Developed new draft ordinance to specifically address water quality impacts. • 2013 – Legal review of new draft ordinance • 2014 – Passed Chapter 25 ordinance, Future developments include implementation of the new ordinance, construction of an enforcement response plan.
Specific Components & Notes (optional): Stormwater Maintenance Permit Post-Construction Permit Procedures Chapter 25 – Code of Ordinances, Stormwater Management and Erosion and Sedimentation Control Construction Site Runoff Control Specification Section	
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): New Draft ordinance will be posted to the Parish Stormwater Information webpage and will be advertised in the local paper for public review and comment. Links on stormwater webpage include construction specification section, SWPPP intro video. New information will be added as it becomes available.	

MS4 Name: St. Charles Parish

Unique Identifying Control Number: 5B

Minimum Control Measures Addressed by this BMP

<input type="checkbox"/>	Public education & outreach
<input type="checkbox"/>	Public participation & involvement
<input type="checkbox"/>	Illicit discharge detection & elimination

<input type="checkbox"/>	Construction site runoff controls
<input checked="" type="checkbox"/>	Post construction stormwater management
<input checked="" type="checkbox"/>	Pollution prevention/Good housekeeping

BMP Title: Watershed Inspections	
BMP Description: Inspections of Structural Stormwater controls by St. Charles Parish staff are documented on the Watershed inspection work order and, at a minimum, attempt to identify the following information: <ul style="list-style-type: none">• Adequate access to structures via drainage easements and berms;• Detention ponds that require sediment removal, grassing, outlet control structure repair, and erosion control;• Accumulation of dirt, debris, or other notable damage at the discharge of outfall structures;• Stormwater collection and transfer structures that are not properly maintained. The following are the stormwater pond inspection activities carried out by St. Charles Parish: Periodic inspection to remove sediment and vegetation from inlet, pond, and forebay, occasional inspection for sediment buildup. The following are the stormwater inspection activities for separator units and pump station bar screens: Inspect the separator until/bar screen integrity, clean out sediment, oil and greased, and floatables, using catch basin cleaning equipment (vacuum pumps). Manual removal of pollutants may be necessary. These stations are inspected weekly, at minimum, and maintenance/cleaning operations performed as necessary to maintain operational health of the pumping station.	
Measurable Goals: DPW and P&Z formalized plan review processes for inclusion into the SWMP and implementation of the new ordinance that includes provisions for post-construction runoff control. January 2014, the Parish Council passed the ordinance Chapter 25 – Stormwater Management and Erosion and Sedimentation Control March 2014 – Chapter 25 ordinance implemented	Timeline/Implementation Schedule: <ul style="list-style-type: none">• Watershed inspections are an ongoing Parish Maintenance activity
Specific Components & Notes (optional): Stormwater Maintenance Permit Post-Construction Permit Procedures Chapter 25 – Code of Ordinances, Stormwater Management and Erosion and Sedimentation Control Drainage System Maintenance Procedures and Watershed Inspections found in Appendix B of the SWMP	
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): New Draft ordinance will be posted to the Parish Stormwater webpage and will be advertised in the local paper for public review and comment. Links on stormwater webpage include construction specification section, SWPPP intro video.	

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"/>	Public participation & involvement
<input type="checkbox"/>	Illicit discharge detection & elimination

<input type="checkbox"/>	Construction site runoff controls
<input type="checkbox"/>	Post construction stormwater management
<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. Through the MS4 Program the Parish will continue to work toward full compliance with 40 CFR Part 112 throughout all departments and facilities.	
Measurable Goals: <ul style="list-style-type: none">• Currently 13 maintenance units are equipped with “Oil Dri” spill kits. Completed SPCC plans for Wastewater and Water Works Departments. This will be expanded to 25 units for 2015.• The Parish developed SPCC plans for pump stations, 2 municipal yards, and the Courthouse in 2014. Spill plans for the Emergency Operations Center, Community Centers, and Animal Control are being designed for 2015.	Timeline/Implementation Schedule: <ul style="list-style-type: none">• 2011 – Reviewed Parish Spill Response Plans and Procedures.• 2012 – Parish authorized task order for development of SPCC plans for SPW facilities, and developed a technical memorandum to distribute to other Parish departments outlining criteria for identifying the need for SPCC plans.• 2013 – Completed SPCC plans for the Wastewater Department and Water Works Department.• 2014 – Continued development of SPCC plan for Parish pump stations/municipal yards and Parish courthouse. Developed inspection forms and software to be integrated onto O&M tablets. Began SPCC training for Wastewater, Water Works, and DPW maintenance employees.• 2015 – Begin SPCC training for Wastewater, Water Works, and DPW maintenance employees.
Specific Components & Notes (optional): Completed SPCC plans: Department of Public Works Pump Stations & Yards, Wastewater, Waterworks. In-progress SPCC plans: EOC, Community Centers Parish Maintenance Trucks are equipped with “Oil Dri” spill kit – 5 gallon bucket. The Parish has 13 units in drainage that have these spill kits; including pump mechanics, electricians, and foremen. Unit #s 111, 261 (Foremen trucks), 181, 187, 192, 120, 119, 110, 180, 265, 189, 260, 149.	
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: Other Parish departments Technical memorandum outlining criteria for identifying the need for SPCC plans	

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"/>	Public participation & involvement
<input type="checkbox"/>	Illicit discharge detection & elimination

<input type="checkbox"/>	Construction site runoff controls
<input type="checkbox"/>	Post construction stormwater management
<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 crew, a response system, and culvert cleaning operations. Also as part of the Program, the Parish modified its 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: In 2014: 143,154 feet of ditch dug/cleaned. 161 council requests 9,427 work orders completed Feet of culverts blown or cleaned: 82,521 Feet of culverts installed or replaced: 4,224	Timeline/Implementation Schedule: <ul style="list-style-type: none">Continue Culvert Cleaning Operations
Specific Components & Notes (optional):	
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	