



Baton Rouge SSO Program

2002 Consent Decree

Quarterly Report No. 39

January 26, 2012

CITY-PARISH DEPARTMENTAL MEMORANDUM
WASTEWATER TREATMENT AND DISPOSAL DIVISION

2850 Gardere Lane
Baton Rouge, LA 70820

Date: January 25, 2012

To: Mr. Garcia Dialekwa, Wastewater Treatment and Disposal Division
Mr. John Ward, Wastewater Collection Division
Mr. E. J. Amato, Field Engineering Division

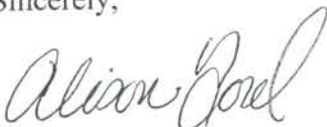
From: Ms. Alison Ford, P.E., Wastewater Treatment and Disposal Division

Re: City of Baton Rouge and Parish of East Baton Rouge
Consent Decree-Civil Action No. 01-978-B-M3
Thirty-Ninth Quarterly Report – Period Ending December 31, 2011
Data Review

Gentlemen:

Draft copies of the above referenced report have been submitted for your review. This review is to insure that the data submitted under your direction, has been stated in a truthful and accurate manner in the Thirty-Ninth Quarterly Report. Once the review of your portion of data is complete and corrected, please sign below the paragraph stating that fact and return for processing.

Sincerely,



Alison Ford, PE
Wastewater Treatment and Disposal Division

I certify that the information contained in or accompanying the portion of the Thirty-Ninth Quarterly Report that I am responsible for is true, accurate, and complete. As to those identified portions of this document for which I cannot personally verify their truth and accuracy, I certify as the official having supervisory responsibility for the persons who, acting under my direct instructions, made the verification, that this is true, accurate and complete.



xc: Document Control

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Baton Rouge, LA 70820

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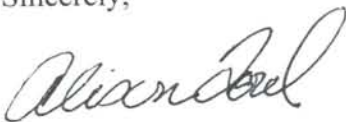
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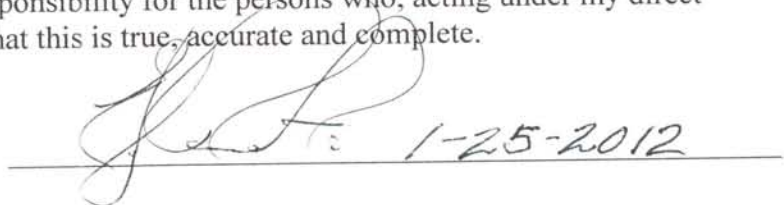
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Alison Ford, PE
Wastewater Treatment and Disposal Division

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xc: Document Control



Department of Public Works

City of Baton Rouge
Parish of East Baton Rouge

Post Office Box 1471
Baton Rouge, La 70821

January 26, 2012

CERTIFIED – RETURN RECEIPT REQUESTED

Chief,
Water Enforcement Branch (6EN-W)
Compliance Assurance and Enforcement Division
U.S. Environmental Protection Agency, Region VI
1445 Ross Avenue
Dallas, Texas 75202-2733

Re: City of Baton Rouge and Parish of East Baton Rouge
Consent Decree-Civil Action No. 01-978-B-M3
Thirty-Ninth Quarterly Report - **Period Ending December 31, 2011**

Gentlemen:

Pursuant to Paragraph 51 of the Consent Decree, the City of Baton Rouge and Parish of East Baton Rouge hereby submits the 39th Consent Decree Quarterly Report covering activities for the quarter ending December 31, 2011. An Executive Summary is included in the beginning of this report that describes the progress of compliance related activities of the program during the past quarter. In addition, this report contains a summary of compliance with and activities related to:

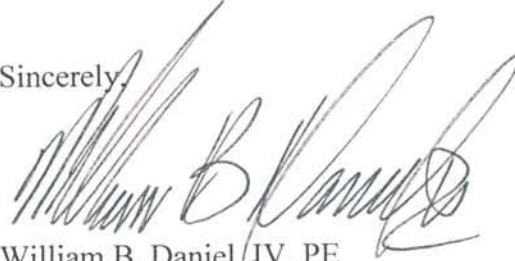
- Cross Connection Elimination Plan
- Collection System Preventive Maintenance Program (PMP)
- Sanitary Sewer Overflow Response Plan (SSORP)
- Reporting of Unauthorized Discharges
- Consent Decree Compliance Status

These activities are described in Sections VIII, IX, X, XI, XX and XXI of the Consent Decree.

Pursuant to Paragraph 49 and 117 of the Consent Decree, the City of Baton Rouge and Parish of East Baton Rouge hereby submits for review and approval three copies of the 39th Consent Decree Quarterly Report to the US EPA and LDEQ and one copy to the US DOJ and City/Parish DPW.

I certify that the information contained in or accompanying this thirty-ninth quarterly report is true, accurate and complete. As to those identified portions of this document for which I cannot personally verify their truth and accuracy, I certify as the official having supervisory responsibility for the persons who, acting under my direct instructions, made the verification, that this is true, accurate and complete.

Sincerely,

A handwritten signature in black ink, appearing to read 'William B. Daniel, IV, PE'. The signature is fluid and cursive, with a large initial 'W' and 'D'.

William B. Daniel, IV, PE
Public Works Director

Cc: Honorable Melvin L. "Kip" Holden, Mayor-President
Mr. John Carpenter, Acting Chief Administrative Officer
Chief, Environmental Enforcement Section, US DOJ
Mr. Bobby Mayweather, LDEQ
Ms. Peggy Hatch, LDEQ
Ms. Mona Tate, US EPA Region 6
Mr. Carlos Zequeira, (6RC-EA)
Ms. Gladys Gooden-Jackson, (6EN-WC)
Ms. Mary Roper
Mr. Michael Ellis, CH2MHILL
Ms. Karen Johnson, CH2MHILL
Mr. Bryan Harmon
Mr. Jim Ferguson
Ms. Cheryl Berry
Mr. Mark LeBlanc
Mr. John Ward
Mr. Garcia Dialekwa
Mr. Mitch O'Brien
Ms. Alison Ford

39th Quarterly Report - Executive Summary

General Overview

On March 14, 2002, the City of Baton Rouge, Louisiana and the Parish of East Baton Rouge, Louisiana (collectively “the City/Parish”) entered into a Consent Decree with the United States and the State of Louisiana. Since that time an Agreement and Order Regarding the Modification of the Consent Decree was lodged with the court in late 2008 and was approved by the Department of Justice (DOJ), Environmental Protection Agency (EPA), and Louisiana Department of Environmental Quality (LDEQ) in April 2009. This 2009 Consent Decree Modification specifically adopts the City/Parish’s September 2008 Second Remedial Measures Action Plan (RMAP2).

The following Quarterly Progress Report is hereby submitted to fulfill the reporting requirements described in Section XVIII – Reporting, of the 2002 Consent Decree. The sections in this Executive Summary and in the rest of this Quarterly Report highlight the work associated with the 2002 Consent Decree and the 2009 Consent Decree Modification, which took place during the quarter ending December 31, 2011.

Report Organization

The report organization and description of what is included in each section of the Quarterly Report is as follows:

Executive Summary – This section herein, summarizes regulatory submittals, and activities that took place during the past quarter in addition to describing those items awaiting submittal/approval. This section also summarizes the compliance with and activities related to the implementation of the First Remedial Measures Action Plan (RMAP1) and Second Remedial Measures Action Plan (RMAP2) projects, including the status of design/construction projects in comparison to the schedules that have been established pursuant to the Consent Decree for those projects; and schedule deadlines and milestones achieved during the calendar quarter, as well as those expected to be achieved during the next quarter.

Summary of Activity Totals – This table summarizes the overall City/Parish service area maintenance activities per quarter.

Preventative Maintenance Plan Summary Totals (North, Central, and South) – These tables detail the maintenance activities performed by the North, South, and Central areas.

Part A: Cross-Connection Elimination Plan – This section summarizes any cross-connections identified and eliminated during the reporting period.

Part B: Preventative Maintenance Program – This section provides a brief description of preventative maintenance activities that took place during the reporting period.

Part C: Sanitary Sewer Overflow Response Plan – This section briefly summarizes activities related to compliance/noncompliance with the Sanitary Sewer Overflow Response Plan (SSORP) requirements of the Consent Decree during the reporting period.

Part D: Reporting of Unauthorized Discharges – This section summarizes the details of each unauthorized discharge occurring during the reporting period.

Part E: Consent Decree Compliance Status – This section briefly summarizes whether or not the City/Parish is in compliance or non-compliance with the Consent Decree.

Part F: Supplemental Environmental Projects (SEP) – This section summarizes the status of the SEP projects. However, since at this time all SEP projects have been completed in previous reporting periods and the final

SEP Completion Report has also been submitted, there isn't anything to report at this time. Therefore, this section is not included in the Quarterly Report for this reporting period.

The rest of this section highlights activities that are to be addressed in the Executive Summary Section of the Quarterly Report. Additionally, the remainder of the Quarterly Report sections is attached as well.

Summary of Regulatory Actions (Quarter Ending December 31, 2011)

This portion of the Executive Summary highlights significant dates on which the City/Parish submitted deliverables to the Department of Justice (DOJ), Environmental Protection Agency (EPA), and Louisiana Department of Environmental Quality (LDEQ). Additionally, this list also captures all meetings and phone conversations that have taken place during the past quarter with parties listed.

- City/Parish submitted the 38th Quarterly EPA Report (report data from period ending September, 2011) on October 26, 2011.
- City/Parish submitted to DOJ, EPA, and LDEQ their Responses to Additional Information Requested on November 4, 2011, which resulted from a phone conversation with EPA Regarding the Request for Time Extension/Modification of the Compliance Schedule in the Approved RMAP2 Submittal submitted on July 1, 2011.

History of Submittals

A summary of important regulatory submittals to date provided by the City/Parish to the EPA and LDEQ is presented in Table 1.

Name	Date Submitted	Additional Information
Sewer System Model Verification and Revised Second Remedial Action Plan	November 2006	Submittal of CDM's 2005 RMAP2 Report with changes in the South WWTP Projects
Addressing Existing Noncompliance Issues and Future Wet Weather Flow Management Requirements at the South WWTP	January 2007	Summary of findings/recommendations for the South WWTP
EPA RMAP2 Approval Letter	July 2007	EPA Letter Approving November 2006 Submittal and South WWTP recommendations. Disapproved interim limits and left for further discussion the time extension request due to hurricanes
South WWTP Summary of Immediate Action Plan Projects	October 2007	Summary of IAP projects to date, per EPA phone request on October 12, 2008
EPA RMAP1 Project Status Report	December 2007	Summary of RMAP1 projects to date, including request for time extension
EPA Prioritization Submittal	April 2008	Summary of program/RMAP2 prioritization, maps, draft milestones, per EPA phone request on February 12, 2008
EPA Memorandum - Consolidation of South and Central Wastewater Treatment Plants in Baton Rouge, Louisiana	August 2008	City/Parish request "no objection" for the retirement of the Central WWTP
Request for Modification to the Approved RMAP2 Submittal - Second Remedial Measures Action Plan (RMAP2)	September 2008	City/Parish formal RMAP2 Submittal

TABLE 1 DOJ, EPA and LDEQ Submittal History		
Name	Date Submitted	Additional Information
Submittal for the Baton Rouge SSO Control and Wastewater Facilities Program		
Response to Public Comments of the Agreement and Order Regarding the Modification of the Consent Decree – Civil Action No. 01-978-B-M3 (M.D. La.)	January 2009	City/Parish draft response to public comments regarding the Consent Decree Modification
Updated Response to Public Comments of the Agreement and Order Regarding the Modification of the Consent Decree – Civil Action No. 01-978-B-M3 (M.D. La.)	February 2009	City/Parish final response to public comments regarding the Consent Decree Modification
Signed Agreement and Order Regarding Modification of the Consent Decree – Civil Action No. 01-978-B-M3 (M.D. La.)	April 2009	DOJ/EPA approval of the <i>Second Remedial Measures Action Plan (RMAP2) Submittal for the Baton Rouge SSO Control and Wastewater Facilities Program Report</i> submitted by the City/Parish in September 2008 also included as an attachment in the signed Agreement and Order.
Request for Time Extension/Modification of the Compliance Schedule in the Approved RMAP2 Submittal – Civil Action No. 01-978-B-M3 (M.D. La.)	July 2011	City/Parish formal Request for Time Extension/Modification of the Compliance Schedule

As of December 31, 2011 there have been 54 Consent Decree reporting deliverables submitted on or ahead of schedule. The reporting details are shown in Table 2 below.

TABLE 2 Summary of Consent Decree Reporting Deliverables			
	Deadline	Completion	Resubmission/ Update
Quarterly Reports			
	38 th	31-Oct-11	26-Oct-11
	37 th	31-Jul-11	27-Jul-11
	36 th	30-Apr-11	27-Apr-11
	35 th	31-Jan-11	28-Jan-11
	34 th	31-Oct-10	25-Oct-10
	33 rd	31-Jul-10	26-Jul-10
	32 nd	30-Apr-10	26-Apr-10
	31 st	31-Jan-10	25-Jan-10
	30 th	31-Oct-09	23-Oct-09
	29 th	31-Jul-09	24-Jul-09
	28 th	30-Apr-09	24-Apr-09
	27 th	31-Jan-09	30-Jan-09
	26 th	31-Oct-08	17-Oct-08
	25 th	31-Jul-08	25-Jul-08

TABLE 2
Summary of Consent Decree Reporting Deliverables

	Deadline	Completion	Resubmission/ Update
Quarterly Reports			
24 th	30-Apr-08	20-Apr-08	
23 rd	31-Jan-08	23-Jan-08	
22 nd	31-Oct-07	23-Oct-07	
21 st	31-Jul-07	23-Jul-07	
20 th	30-Apr-07	25-Apr-07	
19 th	31-Jan-07	26-Jan-07	
18 th	31-Oct-06	25-Oct-06	
17 th	31-Jul-06	28-Jul-06	
16 th	30-Apr-06	24-Apr-06	
15 th	31-Jan-06	23-Jan-06	
14 th	31-Oct-05	21-Oct-05	
13 th	31-Jul-05	15-Jul-05	
12 th	30-Apr-05	11-Apr-05	
11 th	31-Jan-05	24-Jan-05	
10 th	31-Oct-04	27-Oct-04	
9 th	31-Jul-04	26-Jul-04	
8 th	30-Apr-04	23-Apr-04	
7 th	31-Jan-04	30-Jan-04	
6 th	31-Oct-03	30-Oct-03	
5 th	31-Jul-03	17-Jul-03	
4 th	30-Apr-03	24-Apr-03	
3 rd	31-Jan-03	27-Jan-03	
2 nd	31-Oct-02	23-Oct-02	
1 st	31-Jul-02	23-Jul-02	
Annual Reports			
2010	31-Jan-11	28-Jan-11	
2009	31-Jan-10	31-Jan-10	30-Apr-10
2008	31-Jan-09	31-Jan-09	
2007	31-Jan-08	31-Jan-08	
2006	31-Jan-07	27-Jan-07	
2005	31-Jan-06	24-Jan-06	
2004	31-Jan-05	31-Jan-05	
2003	31-Jan-04	30-Jan-04	
2002	31-Jan-03	29-Jan-02	
Collection System PMP Plan	30-Mar-01	29-Mar-01	
Treatment Plant PMP Plan	30-Mar-01	29-Mar-01	
Treatment Facility Assessment Report	30-Mar-02	26-Mar-02	

TABLE 2 Summary of Consent Decree Reporting Deliverables			
	Deadline	Completion	Resubmission/ Update
Quarterly Reports			
SEP Completion Report	15-Sep-04	10-Sep-04	
2 nd RMAP Report	1-Dec-02	20-Nov-02	8-Sep-08
RMAP1 Completion Report	30-Apr-11	27-Apr-11	
Updated Outreach and Public Awareness Plan		13-Nov-01	27-Apr-11

RMAP1 Status and Schedule for Completion

The RMAP1 projects listed in Exhibit F of the Consent Decree were those projects common to the alternatives presented in Section XII - Remedial Measures: Collection System Remedial Program of the Consent Decree. There are a total of nineteen of these “common” projects that were identified through various modeling and Value Engineering efforts associated with the original Sanitary Sewer Overflow (SSO) Corrective Action Plan developed by Montgomery Watson (MWH) sometime in 1998. These projects were common to the alternative plans presented in the Consent Decree that were focused on utilizing deep tunnels/storage in order to control the SSO’s throughout the City/Parish’s wastewater collection system. The phased implementation of these RMAP1 projects initially began sometime at the end of 1999 and the beginning of 2000. These projects were planned to start and finish at different times due to funding constraints, etc.

Since the date of entry into the Consent Decree, the City/Parish has been diligently working on the design and construction of these RMAP1 projects and has completed most of them either on, or ahead of schedule. However, during the planned execution of these projects significant events have taken place with the change in technical approach of the Collection System Remedial Program that affected some of these projects.

In the years 2004 and 2005, the City/Parish decided to re-evaluate the planned technical approach of their Collection System Remedial Program, while in the process of executing the RMAP1 projects. Their review resulted in a momentous change in technical approach from deep tunnels and storage, to sewer rehabilitation. Therefore, the original RMAP1 projects not yet begun were all re-examined, and some wound up not fitting into the “new” plan. These projects were then shelved, and others were re-evaluated to see if they fit into the new plan. During this time period the City/Parish’s consultants that were hired to help plan and execute these projects changes as well. CH2M HILL is currently the City/Parish’s consultant for the SSO Control and Wastewater Facilities Program.

In December 2007, the City/Parish and CH2M HILL submitted a detailed *RMAP1 Status Report* to the EPA that summarized the status to date of all of the RMAP1 projects. This report included a formal “Request for Time Extension” for those RMAP1 projects not yet completed, and a corresponding schedule for project completion. This report was submitted as the milestone requirement pursuant to Section XVIII - Reporting, of the Consent Decree. This report and request for time extension was verbally approved by the EPA during the conference call on February 12, 2008.

The City/Parish re-submitted RMAP1 milestones as outlined in the *Second Remedial Measures Action Plan (RMAP2) Submittal for the Baton Rouge Sanitary Sewer Overflow Control and Wastewater Facilities Program* (September 2008). As previously mentioned, the 2009 Consent Decree Modification was approved in April 2009 by DOJ, EPA, and LDEQ. This approval formally accepted the RMAP1 milestones presented in the

Second Remedial Measures Action Plan (RMAP2) Submittal for the Baton Rouge Sanitary Sewer Overflow Control and Wastewater Facilities Program (September 2008).

The current status of the RMAP1 projects is presented in Table 3 below. All 14 RMAP1 projects are functionally completed, and 13 of the 14 were done either on, or ahead of schedule. The RMAP1 - Industripex has had several issues arise during the construction phase pertaining to unavoidable utility conflicts, difficult easement acquisitions, alignment changes, and permitting and other utility coordination issues that have caused significant delays with the project which could not be overcome by reasonable actions by the City/Parish and its construction contractor. This project has been functionally complete and in operation since 1st quarter 2011. The City/Parish asserts that this project is not susceptible to stipulated penalties due to the circumstances of the delay beyond the control of the City/Parish. The circumstances behind the delay are explained in detail below and have been also mentioned in the previous Quarterly EPA Reports. The RMAP1 Completion Report which is included in Attachment 1: Updated Outreach and Public Awareness Plan and RMAP1 Completion Report at the end of the 36th Quarterly EPA Report.

TABLE 3				
<i>EPA Consent Decree Summary and RMAP1 Milestones</i>				
		RMAP1 Projects Completed	RMAP1 Projects Completed	Project Status Summary
Milestone Date		May 4, 2007	Proposed on September 1, 2008	
Construction Status		Complete	Complete	
Consent Decree Projects	Corresponding City/Parish Projects			
RMAP1 Projects				
N-05 PS 24 Area Upgrades	*PS 24/43 Area Upgrade (01-RMP-N05)	✓		
N-06 PS 43 Area Upgrades				
N-09 PS 44/46 Area Upgrades	PS 44/46 Area Upgrades (01-RMP-N09)	✓		
N-10 PS 240 Area Upgrades	PS 240 Area Upgrades (01-RMP-N10)	✓		
***N-99 North Further Investigations	NTSN SS Eval. Study (99-RMP-N-99)	✓		
	**Bellingrath Rehab. (03-RMP-N14) (NSRP)	✓		
	**Frenchtown Road Sewer Rehab. (03-RMP-N15)	✓		
	**North Area Comprehensive Rehab. (03-RMP-N23)	✓		
	**PS 45 Area Rehab. (00-RMP-N31)	✓		
C-03 PS 2 Area Rehabilitation	PS 2 Area Upgrades (01-RMP-C03)	✓		
S-01B SWWTP Influent PS	SSO SWWTP Infl. PS Upgrade (99-RMP-SO1B)	✓		
S-11 PS 40 Area Rehabilitation	S-11 PS 40 Area Rehabilitation	✓		
***S-99 South Further Investigations	SSO Engr-South (99-RMP-S99)	✓		
	PS 944 Area Upgrade Grv Sewer (99-RMP-S99)	✓		

TABLE 3				
<i>EPA Consent Decree Summary and RMAP1 Milestones</i>				
		RMAP1 Projects Completed	RMAP1 Projects Completed	Project Status Summary
Milestone Date		May 4, 2007	Proposed on September 1, 2008	
Construction Status		Complete	Complete	
Consent Decree Projects	Corresponding City/Parish Projects			
RMAP1 Projects				
	PS 944 Area Upgrade (99-RMP-S99)	✓		
	PS 177 Area Upgrade (99-RMP-S99)	✓		
	**PS 211 Area Upgrades (99-RMP-S11)	✓		
N-01 Choctaw Basin Return System	Choctaw Area Storage (04-RMP-N22)			RMAP1 project suspended. Project is included as RMAP2: Choctaw Storage.
N-13 North Choctaw Basin System	S-05 PS 58B Area Upgrades MWH RMAP2			RMAP1 project suspended. Project is included as RMAP2: Choctaw Storage PS.
N-04 PS 47 Area Upgrades	N-04 PS 47 Area Upgrades			RMAP1 project suspended. Project is included as RMAP2: Group Project 1B – Veterans Memorial Parkway PS FM.
N-07 PS 39/55 Area Upgrades	N-07 PS 39/55 Area Upgrades			RMAP1 project suspended. Project is included as RMAP2: Group Project 1B – Veterans Memorial Parkway PS FM.
N-11 PS 65 Area Upgrades	PS 65 and 65A Area Upgrades (01-RMP-N11)			Project suspended. Evaluated for inclusion in RMAP2 and Master Plan. Project proposed as a part of the Master Plan.
N-02 PS 49/52 Area Upgrades	PS 49/52 Area Upgrade (01-RMP-N02)		4 th Quarter 2008	Project completed – 4th quarter 2008 (at 80% complete with construction). Project was in dispute with construction contractor. Both parties reached an agreement on terms and job was closed at 80% complete.
N-12 North Sewer Rehab Projects	North Sewer Rehab Projects (03-RMP-N12)		4 th Quarter 2007	Project completed – 4th quarter 2007.
S-08 Industriplex Area Upgrades	Industriplex Area PS 355 and FM Upgrades (99-RMP-S08)		2 nd Quarter 2010	Project completed – 1st quarter 2011.
S-14 Kleinpeter Area Upgrades	Kleinpeter Area Upgrades (03-RMP-S14)		2 nd Quarter 2010	Project completed – 2nd quarter 2009.
S-16 PS 136 Area Upgrades	PS 136 Area Upgrades (99-RMP-S16)		2 nd Quarter 2010	Project completed – 2nd quarter 2010.
*Notes: This project was executed as a combination of two RMAP1 projects				
**Notes: These projects were added as RMAP1 projects by the City/Parish after entry into the Consent Decree				
***Notes: This RMAP1 project was split up into multiple projects for better execution				

RMAP2 Project Descriptions and Schedule for Completion

The City/Parish and CH2M HILL are actively moving forward with the execution of the RMAP2 projects included herein, as outlined in the April 2009 Consent Decree Modification by DOJ, EPA, and LDEQ that adopts the corresponding *Second Remedial Measures Action Plan (RMAP2) Submittal for the Baton Rouge Sanitary Sewer Overflow Control and Wastewater Facilities Program* (September 2008). In preparing this report, the locations of known overflows were given the highest priority in order to reduce the frequency of these overflows, in addition to those projects required to get the wastewater treatment plants in compliance with their National Pollution Discharge Elimination System (NPDES) permits. Areas of the collection system that were found to have excessive levels of infiltration or inflow were identified for rehabilitation. Hydraulic capacity improvement projects were sized to accommodate the predicted designed peak wet weather flows and anticipated growth in the project areas. Peak wet weather flows were predicted based on the previously selected/ inherited (2002) 2-year frequency, 12-hour duration design storm approved by the EPA prior to 2006. Many of these RMAP2 projects are currently underway due to the very tight schedule required by the Consent Decree. The RMAP2 project milestone schedules are extremely compressed. To this end, given that it takes approximately 2 to 4 years for a typical project to be completed through the pre-design, design, and construction phases, most projects are being worked on simultaneously.

During the early part of 2011 the North Wastewater Treatment Plant experienced significant odor problems later associated with illegal dumping of chemicals from a truck wash facility. The dumping resulted in an upset of the plant processes and more severe odor problems than the plant had experienced in the past. Concerned neighbors and others have been petitioning the City/Parish for action. The City Parish responded by bringing in special operations experts to help restore plant functions and reduce odors. In addition, the City/Parish asked CH2M HILL to evaluate longer term capital needs at the plant with a focus on improved operations and odor reduction. The City/Parish is cooperating fully with LDEQ and US EPA to address the illegal dumping. Out of these actions, discussion has begun with LDEQ regarding North Wastewater Treatment Plant improvements that are not currently part of the Consent Decree RMAP2 program. Without changes, the North Wastewater Treatment Plant improvements cannot be initiated until completion of the program in 2015. The City/Parish is evaluating alternatives and may propose a formal consideration of program adjustments that would accelerate the North Wastewater Treatment Plant work with minimal impact on the Consent Decree Program objectives.

As of December 31, 2011 there are 15 RMAP2 projects functionally completed (ahead of schedule), 46 projects under construction and 25 projects under design, and the City/Parish hasn't hit the peak of activities which is projected to be sometime in 2012 when there is expected to be over 60+ projects under construction at one time, in addition to 10 under design. There is growing concern that the sheer number of projects actively under construction from 2011-2014 will overwhelm administrative capacity and ability to manage projects efficiently with reasonable impacts on the public. Efforts are being made to look at schedule adjustments that provide for better project management and use of resources.

The City/Parish is seeing many of the affects from the ramping up of the design and construction activities. In recent quarters, contractor availability and high bid prices have become issues of trepidation, however in the last quarter this has remained in check. In addition, the capacity of both internal and external support functions is becoming an issue of growing concern. Particularly due to the stresses already placed on several key support roles specifically with regards to the City/Parish procurement system, easement and right-of-way acquisition, and state/local permit acquisitions/approvals. All of these support systems are already strained and the peak of RMAP2 work is yet to come in sometime in later in 2012.

Bidding, constructing and closing out so many projects at the same time to meet a milestone schedule that was done before significant project design, requires administrative and technical resources to be stretched, and project management is more difficult than if the schedule were driven by technical and best management approaches. Impacts of the large number of projects under construction on local traffic and neighborhoods are also a serious concern. The City/Parish and CH2M HILL are evaluating strategies to manage the potential

impacts as more projects are bid and contractor bonding capacity may be exceeded. The City/Parish is working hard to keep projects on schedule and to maintain the financing plan in spite of significant impacts from previous hurricanes and US and regional economic conditions. It is possible that these conditions may potentially impact projects in the future.

The City/Parish continues documenting the impact of force majeure events that have affected the Baton Rouge Area (including Hurricanes like Katrina, Rita, and Gustav, the Gulf of Mexico oil spill, Mississippi River flood, Tropical Storm Lee, or other extreme storm events). The Consent Decree schedule is very demanding and the time lost in the past years from these events has affected the critical early planning stages of the program. The City/Parish considers that it is important to keep track of these events in regards to their potential affect on schedule and compliance, and also their affect on the associated construction costs and contractor availability for RMAP2 project work. The City/Parish will continue to regularly document all RMAP2 project changes related to force majeure events, with the intent that this documentation may be used to support a request for time extension at some later date for some projects if it is deemed necessary.

The City/Parish has also voluntarily begun aggressively implementing several projects outside of the scope of the Consent Decree RMAP2 requirements which will have significant benefits to those living and working throughout the City/Parish at their additional expense. Many of the projects are being undertaken solely to improve the operation and maintenance of the wastewater collection system and treatment facilities which should further help reduce SSO risk throughout the City/Parish. Some of these projects are as follows:

- **Stand-by Power Program** - This project will drastically reduce SSOs caused by power outages at the 400+ pump stations in the system, by providing stand-by power at the pump stations. This program consists of installing generators at every wastewater pump station and wastewater treatment facility throughout the City/Parish that can be put in place during power outages, eliminating the risk of overflows from this cause.

Status: Generator purchasing began in 2010, and generator installation began in 2011. Program will continue for the duration of SSO Program.

- **SCADA Project** - the SCADA Project will provide telemetry and remote monitoring to all existing pump stations, new pump stations, and those pump stations being replaced. The project provides remote monitoring of operations data & alarms that will be communicated via telemetry to a centralized operations center. The centralized operations center will have control capability for major pump stations and storage facilities in the system, allowing flow control to anticipate and reduce the possibility of overflows and/or reduce their severity. The remote monitoring will help City/Parish staff quickly respond to mechanical and electrical problems at the pump stations.

Status: SCADA project is currently under design and will advertise for construction in 1st quarter 2012. Project will continue for the duration of SSO Program.

- **Choctaw Maintenance Facility** - the Choctaw Administration/Maintenance Facility will consolidate several separate City/Parish facilities to one location. The facility will house the wastewater collections staff, provide warehouse and equipment storage, house the electrical and pump maintenance shops, and include a fueling station for use by City/Parish employees. The site is centrally located in the parish, so the maintenance facility will allow staff to be efficiently deployed to all areas of DPW's sewer network. The pump maintenance shop will include a pump testing pit, which allows the City/Parish to test pumps at the shop rather than testing once installed at the pump station.

- **Status:** Project is currently under design. This project will begin construction in 2013.

- **North Wastewater Treatment Plant Odor Control Project - the North WWTP Odor Control Project** is designed to minimize odors from the WWTP headworks building
 - **Status:** Project is complete.
- **Comite Drive – Foster Road Phase 2 Project** - this project includes an upgrade to the existing sewer system that runs along Comite Drive. The current sewer system in this area is individual septic systems that discharge into an open ditch along the road. A new sewer collection system is being installed to eliminate these discharges. The project consists of new sewers, forcemains, and pump stations.
 - **Status:** Project is complete.

The City/Parish and CH2M HILL will continually refine and perform quality control reviews of the hydraulic model of the sewer system, incorporating new information as it becomes available. These on-going refinements may alter the RMAP2 projects to improve their effectiveness. However, with the EPA and LDEQ approval, the City/Parish plans to regularly document all RMAP2 project changes (scope changes, project additions, project deletions, and schedule changes) in the Quarterly and Annual EPA Reports.

During the last two quarters of 2009, the RMAP2 projects were being re-evaluated as a part of the Program Delivery Plan Update (2009 PDP Update), and as a result some projects were depicted differently in the tables below. Several construction sequencing issues were discovered, resulting in the combining of several capacity improvement projects to minimize these issues. In addition, several rehabilitation projects have been split up for ease of management and execution of the design and construction work associated with the rehabilitation projects. Also, some project names have been altered so that the commonly used names of the projects are utilized from here forward. There are two capacity projects [Airline Highway – Jefferson Highway and Staring Lane FM B – PS58 Improvements (Highland to Perkins)] whose milestone dates are adversely affected as a result of these project changes. The Airline Highway – Jefferson Highway project was combined with 2 other projects who both had later milestone dates, so it was determined that the later milestone date would be used for the merged project. The City/Parish has already completed several projects ahead of schedule, and it is anticipated that several additional projects will be positively impacted by these modifications and completed ahead of their milestone schedules. Please note that even though the execution and naming of some of these projects has changed that overall no scope of the RMAP2 has been removed or deleted. The RMAP2 project modifications depicted in the tables below have been approved by the City/Parish so they have been incorporated into this and all other upcoming Quarterly and Annual EPA Reports and those that follow. See the notes in the “Project Status Summary” columns in Tables 4, 5, and 6 for more details.

The 2010 Annual PDP update was completed and all changes approved by the City/Parish for the year ending in 2010. So far, several upcoming projects in 2011 have had minor scope changes due to technical issues, such as re-routing of gravity sewers or forcemains to avoid other utilities or land issues. In addition, there are several projects that have been split up for ease of construction management, and also to help shorten construction durations so that the EPA milestone schedules will be easier to achieve. All changes are reflected in the notes in the “Project Status Summary” columns in Tables 4, 5, and 6.

The 2011 Annual PDP update is underway. Once it is completed and has been reviewed/approved by the City/Parish, Tables 4, 5 and 6 will be updated to reflect any changes associated with this process.

As noted in Table 1, the City/Parish submitted a request for time extension for the RMAP2 projects listed below. The City/Parish has begun incorporating minor schedule modifications in order to take into account some of the proposed changes included in the request for time extension in anticipation of its approval.

The RMAP2 projects are separated into three categories with descriptions and schedules provided for all projects, current through December 31, 2011.

Category 1: Comprehensive Sewer Basin Rehabilitation

Based on sewer system digital model analysis and flow monitoring, approximately twenty-six (26) sub-basins within the collection system require comprehensive rehabilitation. Sewer system comprehensive rehabilitation projects will be implemented to repair or replace components of the system that are defective and permit excessive infiltration and inflow.

Table 4 presents the Category 1 comprehensive rehabilitation sub-basin projects and anticipated delivery milestone schedules. Project status summaries are provided for those projects already underway, current through December 31, 2011.

Note that any pump station improvements are included in the projects listed in Category 2, Pump Station and Transmission Improvements on the following pages.

TABLE 4				
EPA Consent Decree RMAP2 Milestones for Category 1 Projects				
<i>All RMAP2 Projects Will Have Milestone Completion Design Dates - 3rd Quarter 2013</i>				
	33% Construction Milestone	66% Construction Milestone	100% Construction Milestone	Project Status Summary
Milestone Date	4th QTR 2012	1st QTR 2014	4th QTR 2014	
Construction Status	Construction Functionally Complete	Construction Functionally Complete	Construction Functionally Complete	
Project Descriptions				
RMAP2 Projects				
Jefferson Hwy – HooShooToo Road	✓			Project completed – 3 rd quarter 2009.
Staring Lane - Boone Drive	✓			Now called "Staring Lane – Boone Drive Area Rehabilitation Project". Project completed – 2 nd quarter 2010.
Gardere Lane - Burbank Road	✓			Now called "Burbank Drive – Gardere Lane Area Rehabilitation Project". Project completed – 4 th quarter 2010.
Oak Villa Blvd - Choctaw Street	✓			Now called "Oak Villa – Choctaw Street Area Rehabilitation Project". Waiting on contract close-out paperwork. Project completed – 3 rd quarter 2011.
Scotland Avenue - Progress Road	✓			Now called "Scotland Avenue – Progress Road Area Rehabilitation Project". Project completed – 2 nd quarter 2011.
Elm Grove Garden Road - Harding Blvd	✓			Now called "Elm Grove Garden Road – Harding Boulevard Area Rehabilitation Project". Waiting on contract close-out paperwork. Project completed – 3 rd quarter 2011.
Sharp Road - Florida Blvd	✓			Now called "Sharp Road – Florida Boulevard Area Rehabilitation Project". Construction approximately 74% complete and on-going.
Kenilworth Blvd - Boone Drive	✓			Now called "Kenilworth Boulevard – Boone Drive Area Rehabilitation Project". Construction approximately 60% complete and on-going.
Foster Drive - Government Street	✓			Project split into 2 phases for ease of management during construction. Overall scope the same. Now called "Phase A Foster Drive – Government Street Area Rehabilitation Project, and Phase B Foster Drive – Government Street Area Rehabilitation Project". Phase A –Additional repairs were added to the contract. Waiting on contract close-out paperwork. Project completed – 4 th quarter 2011. Phase B –Construction approximately 70%

TABLE 4				
EPA Consent Decree RMAP2 Milestones for Category 1 Projects				
All RMAP2 Projects Will Have Milestone Completion Design Dates - 3rd Quarter 2013				
	33% Construction Milestone	66% Construction Milestone	100% Construction Milestone	Project Status Summary
Milestone Date	4th QTR 2012	1st QTR 2014	4th QTR 2014	
Construction Status	Construction Functionally Complete	Construction Functionally Complete	Construction Functionally Complete	
Project Descriptions				
RMAP2 Projects				
				complete and on-going.
Silverleaf Road - Ford Street	✓			Now called "Silverleaf Road – Ford Street Area Rehabilitation Project". Construction approximately 9% complete and on-going.
Brookstown Road - Evangeline Street	✓			Project split up into 2 phases for ease of management. Overall scope the same. Now called "Brookstown Road - Evangeline Street Phase I Area Rehabilitation Project" and "Brookstown Road – Evangeline Street Phase II Area Rehabilitation Project". Phase I – Construction approximately 38% complete and on-going. Phase II – Construction approximately 19% complete and on-going.
Bluebonnet Blvd - Jefferson Hwy		✓		Project split up into 2 phases for ease of execution. Overall scope the same. Now called "Bluebonnet Blvd – Jefferson Hwy Phase I Area Rehabilitation Project" and "Bluebonnet Blvd – Jefferson Hwy Phase II Area Rehabilitation Project". Phase I – Construction approximately 19% complete and on-going. Phase II – Construction NTP issued. Construction approximately 9% complete and on-going.
Highland Road - Washington Street	✓			Now called "Highland Road – Washington Street Area Rehabilitation Project". Advertisement for bids underway. Construction NTP expected 1 st quarter 2012. Project has experienced minor delays and is projected to be delayed at this time. However, the City/Parish will take necessary steps in cooperation with the construction contractor to meet the planned completion date.
Stanford Avenue - Morning Glory Road	✓			Now called "Stanford Avenue – Morning Glory Road Area Rehabilitation Project". Construction approximately 8% complete and on-going.
Airline Highway - Goodwood Blvd		✓		Project split up into 2 phases for ease of execution. Overall scope the same. Now called "Airline Highway – Goodwood Blvd Phase I Area Rehabilitation Project" and "Airline Highway – Goodwood Blvd Phase II Area Rehabilitation Project". Phase I – Survey completed. Design NTP issued and design approximately 75% complete and on-going. Phase II – Data analysis and report completed. Survey approximately 50% complete. Design NTP expected to be issued. Design approximately 25% complete and on-going.
Acadian Thruway - Claycut Road	✓			Now called "Acadian Thruway – Claycut Road Area Rehabilitation Project". Construction NTP expected to be issued 1st quarter 2012.

TABLE 4				
EPA Consent Decree RMAP2 Milestones for Category 1 Projects				
<i>All RMAP2 Projects Will Have Milestone Completion Design Dates - 3rd Quarter 2013</i>				
	33% Construction Milestone	66% Construction Milestone	100% Construction Milestone	Project Status Summary
Milestone Date	4th QTR 2012	1st QTR 2014	4th QTR 2014	
Construction Status	Construction Functionally Complete	Construction Functionally Complete	Construction Functionally Complete	
Project Descriptions				
RMAP2 Projects				
Acadian Thruway - Perkins Road	✓			Now called "Acadian Thruway – Perkins Road Area Rehabilitation Project". Construction NTP expected 1 st quarter 2012.
Antioch Road - Chadsford Drive		✓		Now called "Antioch Road – Chadsford Drive Area Rehabilitation Project". Physical inspection underway. Data analysis and report expected to be completed 1 st quarter 2012.
Jones Creek Road - Tiger Bend Road		✓		Now call "Jones Creek Road – Tiger Bend Road Area Rehabilitation Project". Physical inspection underway. Data analysis and report expected to be completed 1st quarter 2012.
Scenic Highway - Spanish Town Road			✓	Project split up into 2 phases for ease of execution. Overall scope the same. Now called "Scenic Highway – Spanish Town Road Phase I Area Rehabilitation Project" and "Scenic Highway – Spanish Town Road Phase II Area Rehabilitation Project". Phase I – Not started yet. Phase II – Find work underway. Data analysis and report expected to begin 1 st quarter 2012.
Siegen Lane - Interstate 10		✓		Now called "Siegen Lane – Interstate 10 Area Rehabilitation Project".
Interstate 110 - Hollywood Street		✓		Now called "Interstate 110 – Hollywood Street Area Rehabilitation Project".
Ardenwood Drive - Winbourne Street			✓	Now called "Ardenwood Drive – Winbourne Street Area Rehabilitation Project".
Flannery Road - Florida Blvd			✓	Now called "Flannery Road – Florida Boulevard Area Rehabilitation Project".
East Boulevard - Government Street			✓	Now called "East Boulevard – Government Street Area Rehabilitation Project".
North 38th Street - Gus Young Avenue			✓	Now called "North 38 th Street – Gus Young Avenue Area Rehabilitation Project".

Category 2: Pump Station and Transmission Improvements

The Infoworks digital wastewater model was used to identify necessary increases in capacity of existing gravity trunk sewers, pump stations, and transmission mains in order to accommodate peak wastewater flows remaining in the rehabilitated collection system. Table 5 presents a list of Category 2 projects with corresponding milestone schedules. Project status summaries are provided for those projects already underway, current through December 31, 2011.

TABLE 5				
EPA Consent Decree RMAP Milestones for Category 2 Projects				
All RMAP2 Projects Will Have Milestone Completion Design Dates - 3rd Quarter 2013				
	33% Construction Milestone	66% Construction Milestone	100% Construction Milestone	Project Status Summary
Milestone Date	4th QTR 2012	1st QTR 2014	4th QTR 2014	
Construction Status	Construction Functionally Complete	Construction Functionally Complete	Construction Functionally Complete	
Project Descriptions				
RMAP2 Projects				
Capitol Lake Drive - Gayosa Street	✓			Now called "Capitol Lake – Gayosa Street Area Capacity Improvements". A portion of 25 th and North Acadian Thruway Project is included in this project to eliminate construction conflicts. Construction approximately 86% complete and on-going.
Gurney Road - Joor Road	✓			Project completed – 4 th quarter 2009.
Multiple Pump Stations - Lovett Road Area	✓			Also called "Sullivan Rd./Lovett Rd./Wax Rd. Sewer Upgrades". Project completed – 1 st quarter 2011.
Comite Road - Foster Road	✓			Now called "Comite Road – Foster Road Sewer Area Upgrades - Phase I". Phase I – Project completed – 2 nd quarter 2010. Note that there is a "Comite –Foster Road Sewer Area Upgrades - Phase II" project which includes additional scope than originally included in the SSO Control and Wastewater Program. Phase II to be constructed with and funded by the City's Green Light Program (Roadway Improvements) project. This project includes an upgrade to the existing sewer system that runs along Comite Drive. The project consists of new sewers, forcemains, and pump stations. Project completed – 1 st quarter 2011.
Foster Road - Hooper Road	✓			Now called "Foster Road – Hooper Road Sewer Area Upgrade". Project completed – 4 th quarter 2010.

TABLE 5				
EPA Consent Decree RMAP Milestones for Category 2 Projects				
All RMAP2 Projects Will Have Milestone Completion Design Dates - 3rd Quarter 2013				
	33% Construction Milestone	66% Construction Milestone	100% Construction Milestone	Project Status Summary
Milestone Date	4th QTR 2012	1st QTR 2014	4th QTR 2014	
Construction Status	Construction Functionally Complete	Construction Functionally Complete	Construction Functionally Complete	
Project Descriptions				
RMAP2 Projects				
Zachary Area Transmission Network Improvements		✓		<p>Project has been split up into 4 phases for ease of execution (Previously called Red Mud Lakes and Hwy 61 Zachary/Baker). Now called "Zachary Area Transmission Network Improvements: Phase I - 3 Pump Stations and Equalization Basin, Phase II – Red Mud Lakes Forcemain to NWWTP, Phase III – Forcemain to Highway 964 to Red Mud Lakes, Phase IV – Zachary Improvements".</p> <p>Phase I – Construction approximately 40% complete and on-going.</p> <p>Phase II – Advertisement for bids underway.</p> <p>Phase III – Contractor having difficulty with pipe delivery of large diameter ductile iron pipe, however project still on schedule. Construction approximately 1% complete and on-going.</p> <p>Phase IV – Construction approximately 91% complete and on-going.</p>
South Boulevard - St. Joseph Street	✓			<p>Now called "South Boulevard – St. Joseph Street Sewer Area Upgrades". Note that a portion of the 25th and North Acadian Thruway Project is included in this project to eliminate construction conflicts. Construction approximately 68 % completed and is on-going.</p>
Downtown Area - PS59 Improvements	✓			<p>Now called "Downtown Area Pump Station Improvements". Project merged with Downtown Area PS15, PS19, and PS60 Improvements. Significant scope addition to project during design. Construction approximately 24% complete and on-going.</p>
Downtown Area - PS15, PS19 & PS60 Improvements	✓			<p>Now called "Downtown Area Pump Station Improvements". Project merged with Downtown Area PS59 Improvements. Significant scope addition to project during design. Construction approximately 24% complete and on-going.</p>
Highland Road - Buchanan Street	✓			<p>Now called "Highland Road – Buchanan Street Sewer Area Upgrades". Project completed - 4th quarter 2011.</p>
Citiplace/Essen Area - PS119 & Forcemain Improvements	✓			<p>Construction approximately 86% complete and on-going.</p>
North Capacity Group 1A - Veterans Memorial Parkway - Gravity Mains		✓		<p>Now called "Group Project 1A (Metro Airport Sewer Upgrades)". Construction approximately 9% complete and on-going.</p>

TABLE 5

EPA Consent Decree RMAP Milestones for Category 2 Projects

All RMAP2 Projects Will Have Milestone Completion Design Dates - 3rd Quarter 2013

	33% Construction Milestone	66% Construction Milestone	100% Construction Milestone	Project Status Summary
Milestone Date	4th QTR 2012	1st QTR 2014	4th QTR 2014	
Construction Status	Construction Functionally Complete	Construction Functionally Complete	Construction Functionally Complete	
Project Descriptions				
RMAP2 Projects				
North Capacity Group 1B - Veterans Memorial Parkway - PS and FM		✓		Also called "Group Project 1B (Metro Airport Sewer Area Pump Station & Forcemain Upgrades)". Project has experienced minor delays due to PS relocation and now delays due to land acquisition issues (lot of land with title issues). The City/Parish will take necessary steps in cooperation with the contractor to meet the planned completion date. Land acquisition underway. Advertisement for bidding expected to begin 1 st quarter 2012.
Perkins/Old Perkins Area - Booster PS 514 Improvements		✓		Construction contract awarded. Construction NTP issued. Construction approximately 10% complete and on-going.
Group 2 - Small Pump Stations	✓			Now called "Group Project 2 (Old Perkins – Highland Road Area Upgrades)". Construction approximately 98% completed and on-going.
Highland Road - Burbank Drive	✓			Now called "Highland Road – Burbank Drive Capacity Improvements". Land acquisition underway. Project has experienced minor delays at this time due to utility relocation and land acquisition issues. However, the City/Parish will take necessary steps in cooperation with the construction contractor to meet the planned completion date. Contractor considering bringing in more crews. Construction is approximately 12% complete and on-going.
Nicholson Dr - Highland Rd - Perkins Rd		✓		Now called "Nicholson Drive – Highland Road – Perkins Road Capacity Improvements Phase A" and "Nicholson Drive – Highland Road – Perkins Road Capacity Improvements Phase B". Note that a portion of this project (25%) has been separated out into phase A for early construction to eliminate conflicts with a nearby development. Phase A –Construction approximately 95% complete and on-going. Phase B – Final design submitted. Advertisement for bids expected to be underway 1st quarter 2012. LSU portion of project to be moved into the Multiple PS – Nicholson – Brightside Project due to land acquisition delays with LSU.
Perkins Road - Dahlia Street		✓		Now called "Bayou Duplantier Area Sewer Upgrades". Land acquisition on-going. Advertisement underway. Construction NTP expected 1 st quarter 2012.

TABLE 5				
EPA Consent Decree RMAP Milestones for Category 2 Projects				
<i>All RMAP2 Projects Will Have Milestone Completion Design Dates - 3rd Quarter 2013</i>				
	33% Construction Milestone	66% Construction Milestone	100% Construction Milestone	Project Status Summary
Milestone Date	4th QTR 2012	1st QTR 2014	4th QTR 2014	
Construction Status	Construction Functionally Complete	Construction Functionally Complete	Construction Functionally Complete	
Project Descriptions				
RMAP2 Projects				
25th Street - North Acadian Thruway	✓			Final design submitted and reviewed. NOTE: Portions of this project to be bid with both the Capital Lake – Gayosa Drive Project, and the South Blvd. – St. Joseph Street Project to eliminate construction conflicts. Since design of 25 th – North Acadian Thruway is completed and construction work was combined with these two separate projects, this project has been closed. Please see status construction updates for the two projects mentioned above.
Government St - South Acadian Thruway		✓		Final design submitted and reviewed. Land acquisition on-going. Advertisement for bids expected to be underway 1 st quarter 2012.
Plank Road - Kleinpeter Road		✓		Now called "Plank Road – Kleinpeter Road Sewer Area Upgrades". Project has experienced minor delays at this time due to construction conflicts with PS 45 and land acquisition issues. However, the City/Parish will take necessary steps in cooperation with the construction contractor to meet the planned completion date. Final design submitted. Land acquisition underway. Advertisement for bidding expected to be underway 1 st quarter 2012.
O'Neal Lane - Jones Creek Road		✓		Now called "O'Neal Lane Pipeline Improvements – A" and "O'Neal Lane Pipeline Improvements – B". Project originally merged with O'Neal Lane – Tiger Bend Road project for ease of management and limit construction disruption in the area; however the project has been split up into 2 phases to help shorten the contractor construction durations in order to meet the EPA milestone schedules. Phase A - 90% design underway. 90% design expected to be submitted and reviewed early 1 st quarter 2012. Design on-going. Phase B - 90% design underway. 90% design expected to be submitted and reviewed 1 st quarter 2012. Design on-going.

TABLE 5				
EPA Consent Decree RMAP Milestones for Category 2 Projects				
<i>All RMAP2 Projects Will Have Milestone Completion Design Dates - 3rd Quarter 2013</i>				
	33% Construction Milestone	66% Construction Milestone	100% Construction Milestone	Project Status Summary
Milestone Date	4th QTR 2012	1st QTR 2014	4th QTR 2014	
Construction Status	Construction Functionally Complete	Construction Functionally Complete	Construction Functionally Complete	
Project Descriptions				
RMAP2 Projects				
O'Neal Lane - Tiger Bend Road		✓		<p>Now called "O'Neal Lane Pipeline Improvements – A" and "O'Neal Lane Pipeline Improvements – B". Now called "O'Neal Lane Pipeline Improvements". Project merged with O'Neal Lane – Jones Creek Road project for ease of management and limit construction disruption in the area; however the project has been split up into 2 phases to help shorten the contractor construction durations in order to meet the EPA milestone schedules.</p> <p>Phase A - 90% design underway. 90% design expected to be submitted and reviewed early 1st quarter 2012. Design on-going.</p> <p>Phase B - 90% design underway. 90% design expected to be submitted and reviewed 1st quarter 2012. Design on-going.</p>
Multiple PS - Nicholson Dr - Brightside Dr		✓		<p>Final design submitted. Design on-going. Project has experienced minor delays at this time due to construction sequencing and LSU land acquisition issues. However, the City/Parish will take necessary steps in cooperation with the construction contractor to meet the planned completion date. Advertisement for bids expected to begin 1st quarter 2012.</p>
PS 58A Overflow Pump Station		✓		<p>Now called "Pump Station 58 Capacity Improvements". Final design submitted and under review. Land acquisition underway, though there have been issues with obtaining LSU land which have caused minor delays. However, the City/Parish will take necessary steps in cooperation with the construction contractor to meet the planned completion date. Design on-going. Advertisement for bidding expected to be underway 1st quarter 2012.</p>
Staring Lane FM A - Burbank to Highland	✓			<p>Now called "Staring Lane FM (Phase I - Burbank Drive to Highland Road)". Constructed with City's Green Light Program project to eliminate potential constructability issues arising in that area. Project completed – 2nd quarter 2010.</p>

TABLE 5				
EPA Consent Decree RMAP Milestones for Category 2 Projects				
All RMAP2 Projects Will Have Milestone Completion Design Dates - 3rd Quarter 2013				
	33% Construction Milestone	66% Construction Milestone	100% Construction Milestone	Project Status Summary
Milestone Date	4th QTR 2012	1st QTR 2014	4th QTR 2014	
Construction Status	Construction Functionally Complete	Construction Functionally Complete	Construction Functionally Complete	
Project Descriptions				
RMAP2 Projects				
Staring Lane FM B – PS58 Improvements (Highland to Perkins)	✓			Now called "Staring Lane FM (Phase II - Highland road to Perkins Road)". Project projecting to be delayed at this time, though the City/Parish is working with the contractor to minimize the delay. Project is to be constructed with City's Green Light Program project to eliminate potential constructability issues arising in that area which is the main cause of the delay. The anticipated construction completion date is 3 rd quarter 2013. Issues with utility relocation during construction phase. Construction approximately 3% complete and on-going.
Staring Lane FM C - Perkins to PS 58		✓		Now called "Staring Lane FM (Phase III - Perkins to PS58)". Construction NTP issued. Construction 1% complete and on-going.
Multiple PS - Jefferson Hwy - Park Forest Dr		✓		Construction approximately 13% complete and on-going.
Airline Highway - Jefferson Highway		✓		Now called "Airline Highway Pipeline Improvements". Project merged with both the Essen Lane – Interstate 12 project and the Airline Highway – Interstate 12 project for ease of management and to eliminate construction sequencing issues. Project has experienced minor delays at this time due to land acquisition issues. However, the City/Parish will take necessary steps in cooperation with the construction contractor to meet the planned completion date. 90% design submitted and reviewed. Final design expected to be submitted 1 st quarter 2012. Design on-going.
Essen Lane - Interstate 12			✓	Now called "Airline Highway Pipeline Improvements". Project merged with both the Airline Highway – Jefferson Highway project and Airline Highway – Interstate 12 project for ease of management and to eliminate construction sequencing issues. Project has experienced minor delays at this time due to land acquisition issues. However, the City/Parish will take necessary steps in cooperation with the construction contractor to meet the planned completion date. 90% design submitted and reviewed. Final design expected to be submitted 1 st quarter 2012. Design on-going.
Multiple PS - Highland Road - Kenilworth Parkway			✓	60% design submitted and currently under review. 90% design expected to be submitted 1 st quarter 2012.

TABLE 5				
EPA Consent Decree RMAP Milestones for Category 2 Projects				
<i>All RMAP2 Projects Will Have Milestone Completion Design Dates - 3rd Quarter 2013</i>				
	33% Construction Milestone	66% Construction Milestone	100% Construction Milestone	Project Status Summary
Milestone Date	4th QTR 2012	1st QTR 2014	4th QTR 2014	
Construction Status	Construction Functionally Complete	Construction Functionally Complete	Construction Functionally Complete	
Project Descriptions				
RMAP2 Projects				
Multiple PS - Florida Blvd - Sherwood Forest Blvd			✓	Now called "Florida Boulevard Pump Station Improvements". Project merged with Airline/Florida Boulevard Area – PS30 Improvements & New PS project for ease of management and to eliminate construction sequencing issues. 30% design submitted and under review. 60% design expected to be submitted 2 nd quarter 2012. Design on-going.
Multiple PS - Plank Road - Thomas Road			✓	Now called "Plank Road PS Improvements". Project merged with Multiple PS – Plank Road – Harding Boulevard project for ease of management and to eliminate construction sequencing issues. Design consultant selected. Design NTP expected 1 st quarter 2012.
Multiple PS - Plank Road - Harding Boulevard			✓	Now called "Plank Road PS Improvements". Project merged with Multiple PS – Plank Road – Thomas Road project for ease of management and to eliminate construction sequencing issues Design consultant selected. Design NTP expected 1 st quarter 2012.
Multiple PS - Highway 61 - Plank Road			✓	Project definition underway. Design consultant expected to be selected 2 nd quarter 2012.
Multiple PS - Jones Creek Rd - Tiger Bend Rd			✓	Project now split into 2 projects for ease of construction. Now called "O'Neal Lane Pump Station A" and "O'Neal Lane Pump Station B". Was previously called "O'Neal Lane Pump Station Improvements" which was a project that was created from merging 3 projects that included this project and both the Multiple PS – O'Neal Ln – S. Harrells Ferry Rd project and the Multiple PS – O'Neal Ln. – Interstate 10 project for ease of management and to eliminate construction sequencing issues. O'Neal Lane Pump Station A - 60% design expected to be submitted 1 st quarter 2012. Design on-going. O'Neal Lane Pump Station B - 60% design expected to be submitted 1 st quarter 2012. Design on-going.
Airline Highway - Interstate 12			✓	Now called "Airline Highway Pipeline Improvements". Project merged with both the Airline Highway – Jefferson Highway project and the Essen Lane – Interstate 12 project for ease of management and to eliminate construction sequencing issues. Project has experienced minor delays at this time due to land acquisition issues. However, the City/Parish will take necessary steps in cooperation with the construction contractor to meet the planned completion date. 90% design submitted and reviewed. Final design expected to be submitted 1 st quarter 2012. Design on-going..

TABLE 5				
EPA Consent Decree RMAP Milestones for Category 2 Projects				
<i>All RMAP2 Projects Will Have Milestone Completion Design Dates - 3rd Quarter 2013</i>				
	33% Construction Milestone	66% Construction Milestone	100% Construction Milestone	Project Status Summary
Milestone Date	4th QTR 2012	1st QTR 2014	4th QTR 2014	
Construction Status	Construction Functionally Complete	Construction Functionally Complete	Construction Functionally Complete	
Project Descriptions				
RMAP2 Projects				
Florida Boulevard - Sherwood Forest Boulevard			✓	Now called "Sherwood Forest Blvd – Goodwood Blvd Pipeline Projects". Project merged with Florida Boulevard - Sherwood Forest Boulevard project for ease of management and to eliminate construction sequencing issues. 15% design submitted and review is underway. 30% design expected to be submitted 1 st quarter 2012. Design on-going.
Goodwood Boulevard - South Flannery Road			✓	Now called "Sherwood Forest Blvd – Goodwood Blvd Pipeline Projects". Project merged with Goodwood Boulevard – South Flannery Road project for ease of management and to eliminate construction sequencing issues. 15% design submitted and review is underway. 30% design expected to be submitted 1 st quarter 2012. Design on-going.
Joor Road - Greenwell Springs Road			✓	Design NTP issued. 15% design underway and expected to be submitted 1 st quarter 2012.
Plank Road - Port Hudson Pride Road			✓	Project definition underway. Design consultant selected. Design NTP expected 1 st quarter 2012.
Essen Lane - Highland Road			✓	Project now split into 2 projects for ease of construction. Now called "Highland Road Pipeline Improvements - A" and "Highland Road Pipeline Improvements – B". Project originally merged with Highland Road – Lee Drive project for ease of management and to eliminate construction sequencing issues; however the project has been split up into 2 phases to help shorten the contractor construction durations in order to meet the EPA milestone schedules. Highland Road Pipeline Improvements –A - 15% design underway and expected to be submitted 1 st quarter 2012. Design on-going. Highland Road Pipeline Improvements – B - 15% design submitted and reviewed. 30% design expected to be submitted 1 st quarter 2012.
Oak Villa Boulevard - Monterey Boulevard			✓	Project definition underway. Design consultant selected. Design NTP expected 4 th quarter 2011.

TABLE 5				
EPA Consent Decree RMAP Milestones for Category 2 Projects				
<i>All RMAP2 Projects Will Have Milestone Completion Design Dates - 3rd Quarter 2013</i>				
	33% Construction Milestone	66% Construction Milestone	100% Construction Milestone	Project Status Summary
Milestone Date	4th QTR 2012	1st QTR 2014	4th QTR 2014	
Construction Status	Construction Functionally Complete	Construction Functionally Complete	Construction Functionally Complete	
Project Descriptions				
RMAP2 Projects				
Lovett Road - Greenwell Springs Road			✓	<p>Now called "Lovett Road – Greenwell Springs – A" and "Lovett Road – Greenwell Springs B". This project has been split up into 2 phases to help shorten the contractor construction durations in order to meet the EPA milestone schedules..</p> <p>Lovett Road – Greenwell Springs – A - 30 % design submitted and reviewed. 60% design expected to be submitted 1st quarter 2012. Design on-going.</p> <p>Lovett Road - Greenwell Springs – B - 30% design expected to be submitted 1st quarter 2012. Design on-going.</p>
Highland Road - Lee Drive			✓	<p>Project now split into 2 projects for ease of construction. Now called "Highland Road Pipeline Improvements - A" and "Highland Road Pipeline Improvements – B". Project originally merged with Highland Road – Lee Drive project for ease of management and to eliminate construction sequencing issues; however the project has been split up into 2 phases to help shorten the contractor construction durations in order to meet the EPA milestone schedules..</p> <p>Highland Road Pipeline Improvements –A - 15% design underway and expected to be submitted 1st quarter 2012. Design on-going.</p> <p>Highland Road Pipeline Improvements – B - 15% design submitted and reviewed. 30% design expected to be submitted 1st quarter 2012.</p>
Multiple PS - Hooper Rd - Greenwell Springs Rd			✓	<p>Now called "Hooper Road PS Projects". Project merged with Multiple Booster PS – Hooper Rd – Lovett Rd project for ease of management and to eliminate construction sequencing issues. 60% design expected to be submitted 1st quarter 2012. Design on-going.</p>
Multiple Booster PS - Hooper Rd - Lovett Rd			✓	<p>Now called "Hooper Road PS Projects". Project merged with Multiple PS – Hooper Rd – Greenwell Springs Road project for ease of management and to eliminate construction sequencing issues. 60% design expected to be submitted 1st quarter 2012. Design on-going.</p>
Multiple PS - Prescott Rd - Greenwell Springs Rd			✓	<p>Project definition development underway. Design consultant selection and design NTP expected 1st quarter 2012. Design on-going.</p>

TABLE 5				
EPA Consent Decree RMAP Milestones for Category 2 Projects				
<i>All RMAP2 Projects Will Have Milestone Completion Design Dates - 3rd Quarter 2013</i>				
	33% Construction Milestone	66% Construction Milestone	100% Construction Milestone	Project Status Summary
Milestone Date	4th QTR 2012	1st QTR 2014	4th QTR 2014	
Construction Status	Construction Functionally Complete	Construction Functionally Complete	Construction Functionally Complete	
Project Descriptions				
RMAP2 Projects				
Multiple PS - O'Neal Ln – Interstate 10			✓	<p>Project now split into 2 projects for ease of construction. Now called "O'Neal Lane Pump Station A" and "O'Neal Lane Pump Station B". Was previously called "O'Neal Lane Pump Station Improvements" which was a project that was created from merging 3 projects that included this project and both the Multiple PS – O'Neal Ln – S. Harrells Ferry Rd project and the Multiple PS – O'Neal Ln. – Interstate 10 project for ease of management and to eliminate construction sequencing issues.</p> <p>O'Neal Lane Pump Station A - 60% design expected to be submitted 1st quarter 2012. Design on-going.</p> <p>O'Neal Lane Pump Station B - 60% design expected to be submitted 1st quarter 2012. Design on-going.</p>
Multiple PS - O'Neal Ln - S. Harrells Ferry Rd			✓	<p>Project now split into 2 projects for ease of construction. Now called "O'Neal Lane Pump Station A" and "O'Neal Lane Pump Station B". Was previously called "O'Neal Lane Pump Station Improvements" which was a project that was created from merging 3 projects that included this project and both the Multiple PS – O'Neal Ln – S. Harrells Ferry Rd project and the Multiple PS – O'Neal Ln. – Interstate 10 project for ease of management and to eliminate construction sequencing issues.</p> <p>O'Neal Lane Pump Station A - 60% design expected to be submitted 1st quarter 2012. Design on-going.</p> <p>O'Neal Lane Pump Station B - 60% design expected to be submitted 1st quarter 2012. Design on-going.</p>
Airline/Florida Boulevard Area - PS30 Improvements & New PS			✓	<p>Now called "Florida Boulevard Pump Station Projects". Project merged with Multiple PS - Florida Blvd - Sherwood Forest Blvd project for ease of management and to eliminate construction sequencing issues. 30% design submitted and under review. 60% design expected to be submitted 2nd quarter 2012. Design on-going</p>
Multiple PS - Burbank Drive - Siegen Lane			✓	<p>Project definition underway. Design consultant selected. Design NTP Issued. 15% design expected to be submitted 1st quarter 2012. Design on-going.</p>
Central Consolidation - Central PS42		✓		<p>Now called "Pump Station 42". Final design submitted and advertisement for bids underway. Construction NTP expected early 2nd quarter 2012.</p>

TABLE 5

EPA Consent Decree RMAP Milestones for Category 2 Projects

All RMAP2 Projects Will Have Milestone Completion Design Dates - 3rd Quarter 2013

	33% Construction Milestone	66% Construction Milestone	100% Construction Milestone	Project Status Summary
Milestone Date	4th QTR 2012	1st QTR 2014	4th QTR 2014	
Construction Status	Construction Functionally Complete	Construction Functionally Complete	Construction Functionally Complete	
Project Descriptions				
RMAP2 Projects				
Central Consolidation - Central PS42 FM		✓		<p>Now called "Pump Station 42 Forcemain – Phase I" and "Pump Station 42 Forcemain – Phase II". Project divided into 2 projects for ease of management during construction, and so that the downstream south collection system interrelated projects won't be impacted by LSU land acquisition/construction issues.</p> <p>Phase I - Construction contractor selected. Land acquisition underway. Construction NTP expected 1st quarter 2012.</p> <p>Phase II –Additional scope added to project (FM from PS1). Land acquisition underway. Waiting on LSU. Advertisement for bids underway. Construction NTP expected 2nd quarter 2012.</p>
Central Consolidation Eastside PS's - PS 2, 3, 4, 5, 6, 7, & 10		✓		<p>Now called "Central Consolidated Pump Stations". Final design submitted and under review. Construction contractor selected. Land acquisition underway. Construction NTP expected 1st quarter 2012.</p>
Central Consolidation Eastside FM's - FM from PS 2, 3, 7, 10, & 5		✓		<p>Now called "Central Consolidated FM – Phase I and Central Consolidated FM – Phase 2". Project divided into 2 projects for ease of management and to minimize impact to businesses during construction.</p> <p>Phase I - Advertisement for bids and land acquisition underway. Construction NTP expected 1st quarter 2012.</p> <p>Phase 2 - Advertisement for bids and land acquisition underway. Construction NTP expected 2nd quarter 2012.</p>

Category 3: Wastewater Treatment and Storage

This category of projects includes wet weather improvements at the City/Parish wastewater treatment plants (WWTP's), as well as storage facilities throughout the service area.

Presently, there are not any RMAP2 projects that have been identified at the North WWTP. Also, the existing Central WWTP has insufficient flows to justify the cost of renovation and upgrading for future requirements, and will be retired when the RMAP2 projects are completed at the South WWTP. Flows predicted for the current central service area will be diverted to the South WWTP.

Wastewater Treatment Projects that are part of RMAP2 submittal are summarized below:

- Immediate Action Plan (IAP) South WWTP Project that includes screening, trickling filter recirculation pumping, primary treatment improvements, and bio-solids thickening improvements.
- Phase 1 Improvements at the South WWTP for Wet Weather Flow including influent pumping, screening and grit removal for a predicted flow of 345 MGD. Phase 1 also includes 64 million gallons of equalization storage at the South WWTP.
- Phase 2 Improvements at the South WWTP include wet weather flow treatment with a peak capacity of 200 MGD (as previously approved in the November 2006 RMAP2).

In addition, there are two storage projects sized to reduce peak flows to existing North WWTP that are listed below and depicted as well in Table 6:

- Choctaw Storage Facility
- Hooper Storage Facility

These storage projects are part of the transmission system which permits retainage of wet weather peak flows. All five (5) total projects of this type are already underway. The details of the wastewater treatment and storage projects are listed in Table 6 below, and are current through December 31, 2011.

TABLE 6				
EPA Consent Decree RMAP Milestones for Category 3 Projects				
All RMAP2 Projects Will Have Milestone Completion Design Dates - 3rd Quarter 2013				
	33% Construction Milestone	66% Construction Milestone	100% Construction Milestone	Project Status Summary
Milestone Date	4th QTR 2012	1st QTR 2014	4th QTR 2014	
Construction Status	Construction Functionally Complete	Construction Functionally Complete	Construction Functionally Complete	
Project Descriptions				
RMAP2 Projects				
Choctaw Storage, PS 52A, PS 51A, PS 51AA, & FMs, & Return Pipe	✓			Also called "Choctaw Storage and Pump Station Facility". Project has experienced minor delays in processing contracts and is projected to be delayed at this time. However, the City/Parish will take necessary steps in cooperation with the construction contractor to meet the planned completion date. At this time the construction contractor is projecting the project to be functionally complete prior to the EPA milestone deadline. Construction approximately 20% complete and on-going.
Hooper Storage	✓			The project has been delayed at this time due to concerns of the residents in this North area of the City/Parish, which resulted in choosing a new location on the BTR Regional Airport land. This land acquisition issue has resulted in significant delays

TABLE 6				
EPA Consent Decree RMAP Milestones for Category 3 Projects				
All RMAP2 Projects Will Have Milestone Completion Design Dates - 3rd Quarter 2013				
	33% Construction Milestone	66% Construction Milestone	100% Construction Milestone	Project Status Summary
Milestone Date	4th QTR 2012	1st QTR 2014	4th QTR 2014	
Construction Status	Construction Functionally Complete	Construction Functionally Complete	Construction Functionally Complete	
Project Descriptions				
RMAP2 Projects				
				resulting in revised design contracts. Location has changed 3 times due to these unforeseen circumstances beyond control of the City/Parish. The anticipated completion of construction is 1 st quarter 2014. The City/Parish is making every effort to expedite the re-design and construction. The City/Parish is currently, negotiating a design supplement with the design consultant. 90% design Submitted and reviewed. Final design expected to be submitted 1 st quarter 2012. Advertisement for bids expected to be underway 1 st quarter 2012. Design on-going.
South WWTP IAP Consolidated – Screening, Primary Treatment, Trickling Filter Recirculation, Sludge Handling	✓			Project completed – 2 nd quarter 2011.
South WWTP IAP- Effluent Pumping Improvements	✓			Project completed – 1 st quarter 2008.
South WWTP - Phase 1		✓		Also called "SWWTP Wet Weather Improvements - Phase I". Construction is approximately 50% complete and is on-going.
South WWTP - Phase 2			✓	Also called "SWWTP Wet Weather Improvements - Phase II". Advertisement for bids underway. Construction NTP issued. Contractor expected to mobilize 1 st quarter 2012

Status of Other Consent Decree Requirements

Consent Decree Section XV - Outreach and Public Awareness Plan requires the City/Parish DPW to implement and follow the Outreach and Public Awareness Program Plan attached in Exhibit H of the Consent Decree. The Outreach and Public Awareness Program Plan was updated in December 2007 and has been completed and reviewed/approved by the City/Parish and can be found in *Attachment 1: Updated Outreach and Public Awareness Plan and RMAP1 Completion Report* located at the end of the 36th Quarterly EPA Report.

Outreach and Public Awareness Program Plan implementation efforts have been on-going. Public information tools such as the website are being continuously updated with new information about the program, public meetings, project information (including monthly progress reports detailing the status of the projects), regulatory information and associated reference documents, and news articles about the SSO Control and Wastewater Facilities Program, etc. Fact sheets and brochures have also been developed that can be accessed via the website, and have been handed out during the public meetings, that describes pertinent information and aspects about the Program. Additionally, prior to any field work in areas, informational door hangers are also hung on those homes where inspection work will be taking place.

Also the SSO Control and Wastewater Facilities Program Monthly Progress Reports have been made available and distributed to the public. Until now, they have been, and still are, posted on the website for the public to download at their convenience and are always distributed to City/Parish and DPW staff. The plan is for these reports to continue to be distributed to those on the master list and posted on the website, in addition they will also be handed out or mailed to anyone who requests them throughout the duration of the SSO Control and Wastewater Facilities Program.

SSO program communications continue to provide City/Parish residents with time critical information on SSO Control and Wastewater Facility Program projects, educational information on SSOs, and updates on the status of the Program and related projects. In close collaboration with the Office of the Mayor-President and the Department of Public Works, the Program has initiated a construction communication outreach component to complement the Program's current communication activities. The Program Communication Team has designed and distributed a variety of outreach materials. A telephone hotline for residents to call with questions was developed and coordination between the SSO Program and the Parish's 311 call center was established. Additionally, materials including information letters and handouts, door hangers announcing road closures, were developed and are continuing to be distributed.

During the last quarter ending December 31, 2011 the following outreach and public awareness activities took place:

October 2011

October 24th: Attended Metro Council District 5 community meeting of approximately 40 members. The SSO Program updated the residents on upcoming projects and status of current projects, provided map of project areas, explained the essential differences between capacity and rehabilitation projects, what to expect during construction, and provided an overview of the notification process for projects

November 2011

November 1st: Attended Metro Council District 1 community meeting of approximately 7 members. The SSO Program updated the residents on status of current projects, provided map of project areas, explained the essential differences between capacity and rehabilitation projects, what to expect during construction, and provided an overview of the notification process for projects. In addition, the positive effects of projects on the community in terms of growth and health benefits was also explained. Additionally, the extra steps the SSO Program is taking beyond Consent Decree requirements, to enhance the community's sewer system (i.e. generators) was also discussed.

November 11th: Attended District 7 Advisory Council meeting to provide update regarding Christmas parade route modifications. Approximately 8 members in attendance. Provided project maps and proposed alternate parade route maps. Provided overview of the Consent Decree, the purpose of program, reviewed work areas, and progression of work in relation to current parade route. Also, developed an alternate parade route which was used, that was a win-win for both parties.

November 24th: Hosted Council Aide Briefing. 9 of 12 districts represented. Provided project updates in relation to Council districts, reviewed technical processes such as cured in place piping, smoke testing, and also reviewed project notification process.

Baton Rouge 2002 Consent Decree Quarterly Report
Summary of Activity Totals
October 1 - December 31, 2011

Summary of Activities	1st Quarter (36)		2nd Quarter (37)		3rd Quarter (38)		4th Quarter (39)		Totals		
	36th Quarterly Total	Cum. % Complete	37th Quarterly Total	Cum. % Complete	38th Quarterly Total	Cum. % Complete	39th Quarterly Total	Cum. % Complete	Cum. Annual Total	Cum. % Complete	Annual Goal
Gravity Collection System (8,510,000ft/38,000MH)											
Lines Cleaned (ft)	357,679	63%	438,883	140%	520,107	231%	417,751	304%	1,734,420	304%	570,000
CCTV Inspected (ft)	224,410	39%	372,781	105%	440,107	182%	315,001	237%	1,352,299	237%	570,000
Smoke Tested (ft)	11,806		16,905		85,146		350,384		464,241		----
Smoke Tested (no. of locations)	3		4		4		1		12		----
Dye Water Flooded (no. of locations)	3		4		4		1		12		----
Manholes Inspected (no.)	588	24%	1,760	94%	1,385	149%	1,468	208%	5,201	208%	2,500
Lines Repaired (no.)	2,420		1,241		1,459		1,468		6,588		----
MH Rehabbed (no.)	137		171		175		185		668		----
Force Mains (240 miles)											
Visual Surface Inspection (miles)	37.3	31%	37.8	63%	63.4	115%	56.2	162%	194.7	162%	120
Repaired (no.)	3		127		94		47		272		----
Air Release Valves (604)											
Inspected/Maintained	235	24%	188	44%	317	77%	281	106%	1,021	106%	960 to 1,200
Repaired (no.)	59		88		126		74		347		----
Pump & Lift Stations (421)											
Inspections (no.)	17,214	38%	17,667	77%	17,940	117%	17,940	157%	70,761	157%	45,136
Wet wells cleaned	127		105		102		145		479		----
Repaired (no.)	26		20		28		25		99		----
Peak Flow Storage Facilities (2)											
Little Peak site visits	38	37%	39	74%	39	112%	39	149%	155	149%	104
Big Peak site visits	38	37%	39	74%	39	112%	39	149%	155	149%	104

Bold is percentage complete strived for on a quarterly basis that was not met.

100%

75%

50%

25%

Baton Rouge 2002 Consent Decree Quarterly Report
Preventive Maintenance Plan Summary Totals
October 1 - December 31, 2011

North Plant- LA0036-439

Summary of Activities	3rd Quarter (EPA Report No. 38)					4th Quarter (EPA Report No.39)					Cum. Annual Total	
	WWC (w/AMP) (Rout.) (Corr.)	WWC-PS (Rout.) (Corr.)	Field Ensur. (Rout.)	Field Ensur. (Rout.)	Quarterly Total	*Cum. % Complete	WWC (w/AMP) (Rout.) (Corr.)	WWC-PS (Rout.) (Corr.)	Field Ensur. (Rout.)	Field Ensur. (Rout.)		Quarterly Total
Gravity Collection System (2-460,000ft/10,640MH)	28,750		12,890	41,640	24%	42,500		4,897	47,397	33%	186,151	
Lines Cleaned (ft)			12,890	12,890	7%			4,897	4,897	8%	43,445	
CCTV Inspected (ft)			60	60				1,694	1,694		16,921	
Smoke Tested (no. of locations)				0					0		5	
Dye Water Flooded (no. of locations)				0					0		5	
Manholes Inspected (no.)			1	1	2%			12	12	3%	73	
Lines Repaired (no.)	85		548	633		40		420	460		1,950	
MH Rehabbed (no.)	7		100	107		13		63	76		301	
Force Mains (120 miles)												
Visual Surface Inspection (miles) Repaired (no.)		45.0	38	45.0	74%		48.4	29	48.4	114%	137	
Air Release Valves (335)												
Inspected/Maintained		225		225	53%		242		242	78%	751	
Repaired (no.)			91	91			60		60		227	
Pump & Lift Stations (141)												
Inspections (no.)		5,889		5,889	38%		5,889		5,889	51%	23,174	
Wet wells cleaned		44		44			71		71		205	
Repaired (no.)			11	11			13		13		42	

Rout -Routine Maintenance
Corr -Corrective Maintenance

Baton Rouge 2002 Consent Decree Quarterly Report
Preventive Maintenance Plan Summary Totals
October 1 - December 31, 2011

Central Plant-LA0036421

Summary of Activities	3rd Quarter (EPA Report No. 38)						4th Quarter (EPA Report No. 39)								
	WWC (w/AMP)		WWC-PS		Field Engr.-	Quarterly Total	WWC (w/AMP)		WWC-PS		Field Engr.-	Quarterly Total	*Cum. % Complete	Cum. Annual Total	
	(Rout.)	(Corr.)	(Rout.)	(Corr.)	(Rout.)	(Rout.)	(Rout.)	(Corr.)	(Rout.)	(Corr.)	(Rout.)	(Rout.)	(Rout.)		
Gravity Collection System (1,410,000ft/5,760MH)		15,750				2,566	18,316					110,257	122,507	57%	323,697
Lines Cleaned (ft)					2,566	2,566	2,566					110,257	110,257	46%	264,697
CCTV Inspected (ft)				4,324		4,324	4,324			1,704		1,704			10,948
Smoke Tested (ft)				3		3	3					0			4
Smoke Tested (no. of locations)				3		3	3					0			4
Dye Water Flooded (no. of locations)				21		21	21			10		586	596	34%	860
Manholes Inspected (no.)		55			158	213	213		83			111	194		2,229
Lines Repaired (no.)		2			11	13	13		4			30	34		118
MH Rehabbed (no.)															
Force Mains (10 miles)															
Visual Surface Inspection (miles)															
Repaired (no.)		0			23	23	23		2			11	13	0%	0.4
Air Release Valves (18)															
Inspected/Maintained															
Repaired (no.)		0		0		0	0					0	0	0%	2
Pump & Lift Stations (21)															
Inspections (no.)			858				858								
Wet wells cleaned			3				3								
Repaired (no.)				1			1								

Rout.-Routine Maintenance
Corr.-Corrective Maintenance

Baton Rouge 2002 Consent Decree Quarterly Report
Preventive Maintenance Plan Summary Totals
October 1 - December 31, 2011

South Plant-LA0036412

Summary of Activities	3rd Quarter (EPA Report No. 38)						4th Quarter (EPA Report No. 39)						Cum. Annual Total	
	WWC (w/AMP)		WWC-PS		Field Engr. contr.		WWC (w/AMP)		WWC-PS		Field Engr. contr.			
	(Rout.)	(Corr.)	(Rout.)	(Corr.)	(Rout.)	(Rout.)	(Rout.)	(Corr.)	(Rout.)	(Corr.)	(Rout.)	(Rout.)		
Gravity Collection System														
Lines Cleaned (ft)	35,500				424,651	400,151			48,000			199,847	247,847	1,224,572
CCTV Inspected (ft)					424,651	424,651						199,847	199,847	1,044,157
Smoke Tested (ft)			6,113		74,649	80,762					4,417	342,569	346,986	456,373
Smoke Tested (no. of locations)			1		1	1					1	1	1	3
Dye Water Flooded (no. of locations)			1		1	1					1	1	1	3
Manholes Inspected (no.)			40		1,323	1,363					22	838	860	4,268
Lines Repaired (no.)	109				504	613			67			747	814	2,409
MH Relabbed (no.)	17				38	55			19			56	75	249
Force Mains (110 miles)														
Visual Surface Inspection (miles)			18.4			18.4							7.8	57
Repaired (no.)	3				31	34			3			2	5	88
Air Release Valves (251)														
Inspected/Maintained			92			92							39	268
Repaired (no.)			35			35					14		14	118
Pump & Lift Stations (259)														
Inspections (no.)			11,193			11,193							11,193	44,177
Wet wells cleaned			55			55			72				72	260
Repaired (no.)			15		1	16					11		11	55
Peak Flow Storage Facilities (2)														
Little Peak site visits			39			39							39	155
Big Peak site visits			39			39							39	155

Rout.-Routine Maintenance
Corr.-Corrective Maintenance

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CROSS CONNECTION ELIMINATION PLAN	A
COLLECTION SYSTEM PREVENTIVE MAINTENANCE PROGRAM (PMP)	B
SANITARY SEWER OVERFLOW RESPONSE PLAN (SSORP)	C
REPORTING OF UNAUTHORIZED DISCHARGES	D
CONSENT DECREE COMPLIANCE STATUS	E

Part A:
Cross Connection
Elimination Plan

Baton Rouge Consent Decree Quarterly Report Part A - Cross Connection Elimination Plan

Requirement: Pursuant to Paragraph 16, Section VIII of the Consent Decree, if the City/Parish identifies any Cross Connection in the Collection System, it shall be permanently sealed or eliminated within 30 days of identification or if the City/Parish elects to have the work performed by a contractor, within 60 days of identification.

Summary of Activities

No cross connections were discovered and removed during this quarter. There is no anticipated non-compliance. During the reporting period approximately 350,384 linear feet of sewer was smoke tested to identify violations of City/Parish ordinances regarding private cross connections. No private cross connections were identified. There were no exceptions in enforcing the ban on private cross connections.

Summary	North Plant LA0036439 AI# 4843	Central Plant LA0036421 AI# 4842	South Plant LA0036412 AI# 4841	Total
Total No. of Cross Connections Identified:	0	0	0	0
Total No. of Cross Connections Eliminated:	0	0	0	0
Total No. of Private Cross Connections Identified:	0	0	0	0
Total No. of Private Cross Connections Eliminated:	0	0	0	0

Part A – Cross Connection Elimination Plan

Summary of Cross Connections Identified						
Number	Date Identified	Location	Private (Y/N)	Current Status	Notice Date	Date Eliminated
North Plant (LA0036439 AI# 4843)						
1						
2						
3						
Central Plant (LA0036421 AI# 4842)						
1						
2						
3						
South Plant (LA0036412 AI# 4841)						
1						
2						
3						

The City/Parish [is] [is not] in compliance with Section VIII Elimination of Cross Connections for the period 10/1/11 to 12/31/11. If not, see comments above.

Part B:
Preventive Maintenance
Program (PMP)

Baton Rouge Consent Decree Quarterly Report Part B - Preventive Maintenance Program (PMP)

Requirement: Pursuant to Exhibit I of the Consent Decree, the City/Parish shall report compliance and include a brief narrative summary of activities related to compliance and/or non-compliance with the Preventive Maintenance Program during the reporting period. In accordance with the Collection System Preventive Maintenance Plan, Paragraph 1.4, specific activities performed related to collection system preventive maintenance will be reported to the EPA and LDEQ on a quarterly basis.

Summary of Activities

During the reporting period the City/Parish Department of Public Works staff, have followed our standard operating procedures, and continued to follow the equipment manufacturers' recommended operation and maintenance requirements, as referenced in the Collection System Preventive Maintenance Plan. A summary of the collection system preventive maintenance activities for this reporting period is provided in the table on page B-2. As indicated, the primary preventive maintenance activity is inspection of facilities, including gravity sewers (through CCTV), manholes, ARVs and other facilities. Quarterly goals for specific activities identified in the Collection System Preventive Maintenance Plan were achieved this quarter. Note that the gravity system preventative maintenance activities are tied to the design schedules of the RMAP2 Submittal Category 1- Comprehensive Rehabilitation Projects.

We provided information for each treatment plant service area and have identified whether the activity was routine (standard preventive maintenance) or corrective (in response to a particular complaint or perceived problem) in nature.

There were no problems encountered or deficiencies identified in the Preventive Maintenance Program plans.

Part B - Preventive Maintenance Program (PMP)

Summary of Collection System Activities

	Quarterly Total Oct.-Dec. 2011	Cumulative 2011 Annual Total	2011 Annual Goal
Gravity Collection System (8,510,000ft/38,000MH)			
Lines Cleaned (ft)	417,751	1,734,420	570,000
CCTV Inspected (ft)	315,001	1,352,299	570,000
Smoke Tested (ft)	350,384	464,241	----
Smoke Tested (no. of locations)	1	12	----
Dye Water Flooded (no. of locations)	1	12	----
Manholes Inspected (no.)	1,468	5,201	2,500
Lines Repaired (no.)	1,468	6,588	----
MH Rehabbed (no.)	185	668	----
Force Mains (240 miles)			
Visual Surface Inspection (miles)	56.2	194.7	120
Repaired (no.)	47	272	----
Air Release Valves (604)			
Inspected / Maintained	281	1,021	960 to 1,200
Repaired (no.)	74	347	----
Pump & Lift Stations (421)			
Inspections (no.)	17,940	70,761	45,136
Wet wells cleaned	145	479	----
Repaired (no.)	25	99	----
Peak Flow Storage Facilities (2)			
Little Peak site visits	39	155	104
Big Peak site visits	39	155	104

**Attached are separate Collection System Activity Sheets for each Treatment Plant Service Area.

The City/Parish [is] [is not] in compliance with Section IX Preventive Maintenance Program Plan for the period 10/1/11 to 12/31/11. If not, see comments above.

**Part B – Preventive Maintenance Program (PMP)
Summary of Activities by Treatment Plant Service Area**

North Plant (LA0036439 AI# 4843)

	<u>Routine Maintenance</u>	<u>Corrective Maintenance</u>	<u>Quarterly Total Oct. – Dec. 2011</u>
Gravity Collection System (2,460,000ft/10,640MH)			
Lines Cleaned (ft)	4,897	42,500	47,397
CCTV Inspected (ft)	4,897	0	4,897
Smoke Tested (ft)	1,694	0	1,694
Smoke Tested (no. of locations)	0	0	0
Dye Water Flooded (no. of locations)	0	0	0
Manholes Inspected (no.)	12	0	12
Lines Repaired (no.)	420	40	460
MH Rehabbed (no.)	63	13	76
Force Mains (120 miles)			
Visual Surface Inspection (miles)	48	0	48
Repaired (no.)	29	0	29
Air Release Valves (335)			
Inspected / Maintained	242	0	242
Repaired (no.)	0	60	60
Pump & Lift Stations (141)			
Inspections (no.)	5,889	0	5,889
Wet wells cleaned	71	0	71
Repaired (no.)	0	13	13

Routine Maintenance - Day to day maintenance work or operational activities carried out on a regular basis, to keep the collection system operating properly. Generally routine maintenance consists of visual, mechanical, electrical, and electronic checks to ensure proper functioning of equipment. Routine maintenance also consists of sewer cleaning; smoke testing, dye water flooding, manhole inspection, and CCTV inspection.

Corrective Maintenance - Maintenance that is required to restore an item to a specified, working order/condition, which is normally initiated as a result of a scheduled or routine inspection. Generally corrective maintenance consists of rehabilitation of gravity lines, manholes, force mains, etc. and generally in conjunction with system inspection activities. Corrective maintenance also consists of repairing or replacing a failed structure such as a pump station or storage facility.

**Part B – Preventive Maintenance Program (PMP)
Summary of Activities by Treatment Plant Service Area**

Central Plant (LA0036421 AI# 4842)

	<u>Routine Maintenance</u>	<u>Corrective Maintenance</u>	<u>Quarterly Total Oct. – Dec. 2011</u>
Gravity Collection System (1,410,000ft/5,760MH)			
Lines Cleaned (ft)	110,257	12,250	122,507
CCTV Inspected (ft)	110,257	0	110,257
Smoke Tested (ft)	1,704	0	1,704
Smoke Tested (no. of locations)	0	0	0
Dye Water Flooded (no. of locations)	0	0	0
Manholes Inspected (no.)	596	0	596
Lines Repaired (no.)	111	83	194
MH Rehabbed (no.)	30	4	34
Force Mains (10 miles)			
Visual Surface Inspection (miles)	0	0	0
Repaired (no.)	11	2	13
Air Release Valves (18)			
Inspected / Maintained	0	0	0
Repaired (no.)	0	0	0
Pump & Lift Stations (21)			
Inspections (no.)	858	0	858
Wet wells cleaned	2	0	2
Repaired (no.)	0	1	1

Routine Maintenance - Day to day maintenance work or operational activities carried out on a regular basis, to keep the collection system operating properly. Generally routine maintenance consists of visual, mechanical, electrical, and electronic checks to ensure proper functioning of equipment. Routine maintenance also consists of sewer cleaning, smoke testing, dye water flooding, manhole inspection, and CCTV inspection.

Corrective Maintenance - Maintenance that is required to restore an item to a specified, working order/condition, which is normally initiated as a result of a scheduled or routine inspection. Generally corrective maintenance consists of rehabilitation of gravity lines, manholes, force mains, etc. and generally in conjunction with system inspection activities. Corrective maintenance also consists of repairing or replacing a failed structure such as a pump station or storage facility.

**Part B – Preventive Maintenance Program (PMP)
Summary of Activities by Treatment Plant Service Area**

South Plant (LA0036412 AI# 4841)

	<u>Routine Maintenance</u>	<u>Corrective Maintenance</u>	<u>Quarterly Total Oct. – Dec. 2011</u>
Gravity Collection System (4,640,000ft/21,580MH)			
Lines Cleaned (ft)	199,847	48,000	247,847
CCTV Inspected (ft)	199,847	0	199,847
Smoke Tested (ft)	346,986	0	346,986
Smoke Tested (no. of locations)	1	0	1
Dye Water Flooded (no. of locations)	1	0	1
Manholes Inspected (no.)	860	0	860
Lines Repaired (no.)	747	67	814
MH Rehabbed (no.)	56	19	75
Force Mains (110 miles)			
Visual Surface Inspection (miles)	8	0	8
Repaired (no.)	2	3	5
		0	0
Air Release Valves (251)			
Inspected / Maintained	39	0	39
Repaired (no.)	0	14	14
Pump & Lift Stations (259)			
Inspections (no.)	11,193	0	11,193
Wet wells cleaned	72	0	72
Repaired (no.)	0	11	11
Peak Flow Storage Facilities (2)			
Little Peak site visits	39	0	39
Big Peak site visits	39	0	39

Routine Maintenance - Day to day maintenance work or operational activities carried out on a regular basis, to keep the collection system operating properly. Generally routine maintenance consists of visual, mechanical, electrical, and electronic checks to ensure proper functioning of equipment. Routine maintenance also consists of sewer cleaning, smoke testing, dye water flooding, manhole inspection, and CCTV inspection.

Corrective Maintenance - Maintenance that is required to restore an item to a specified, working order/condition, which is normally initiated as a result of a scheduled or routine inspection. Generally corrective maintenance consists of rehabilitation of gravity lines, manholes, force mains, etc. and generally in conjunction with system inspection activities. Corrective maintenance also consists of repairing or replacing a failed structure such as a pump station or storage facility.



Part C:
Sanitary Sewer Overflow
Response Plan (SSORP)

Baton Rouge Consent Decree Quarterly Report Part C - Sanitary Sewer Overflow Response Plan (SSORP)

Requirement: Pursuant to Paragraph 24, Section X of the Consent Decree, The City/Parish shall implement the Sanitary Sewer Overflow Response Plan (SSO Response Plan) attached to the Consent Decree as Exhibit A.

Summary of Activities

A total of 27 Sanitary Sewer Overflows (SSOs) were responded to during this reporting period. The Sanitary Sewer Overflow Monitoring Report, included as Part D Reporting of Unauthorized Discharges of this Quarterly Report, provides details about these overflows, including the response action taken. The Sanitary Sewer Overflow Response Plan was followed for each unauthorized discharge. There were no problems encountered in following the SSO Response Plan. The City/Parish was in compliance with the Collection System Preventive Maintenance Program.

Summary of Unauthorized Discharges	Number
North Plant-LA0036439 AI# 4843 Collection System	8
Central Plant-LA0036421 AI # 4842 Collection System	1
South Plant-LA0036412 AI# 4841 Collection System	18
Total	27

** See table attached to Part D – Reporting of Unauthorized Discharges for detailed information about individual events.

The City/Parish [is] [is not] in compliance with Section X Sanitary Sewer Overflow Response Plan (SSORP) for the period 10/1/11 to 12/31/11. If not, see comments above.

Part D:
Reporting of
Unauthorized Discharges

Baton Rouge Consent Decree Quarterly Report Part D - Reporting of Unauthorized Discharges

Requirement: Pursuant to Paragraph 26, Section XI of the Consent Decree the City/Parish shall report all Unauthorized Discharges of which it becomes aware to EPA and LDEQ. All such Unauthorized Discharges shall be reported to EPA and LDEQ in the Quarterly Report.

Summary of Unauthorized Discharges

The attached Sanitary Sewer Overflow Monitoring Report provides information about all unauthorized discharges discovered during the reporting period, such as the date, location, cause, action taken to reduce or eliminate the discharge, surface water that received the discharge and quantity of the discharge. The attached Sanitary Sewer Overflow Monitoring Report also identifies the steps taken to prevent the recurrence of the discharge.

Summary of Unauthorized Discharges	Number
North Plant-LA0036439 AI# 4843 Collection System	8
Central Plant-LA0036421 AI # 4842 Collection System	1
South Plant-LA0036412 AI# 4841 Collection System	18
Total	27

** See attached tables for detailed information about individual events.

There were no unusual SSOs, but there were 2 unauthorized discharges equal to or greater than 100,000 gallons during this reporting period. On November 15, 2011, at the North Wastewater Treatment Plant, an estimated 2,980,000 gallons received no treatment before overflowing onto plant grounds. The overflow occurred due to a malfunction in the influent pump controls as a result of local heavy rainfall. Plant operators stopped the overflow by manually starting up the existing screw pump station. The influent pump controls were reset and normal operations were resumed. The Sanitary Sewer Response Plan was followed during the incident.

On November 22, 2011, at the South Wastewater Treatment Plant, an estimated 544,000 gallons received only primary treatment before overflowing onto plant grounds. The overflow occurred at the trickling filter pump station and through trickling filter windows Nos. 1 - 4 due to a power failure. The local utility company (Energy) restored power and normal operations were resumed. The Sanitary Sewer Response Plan was followed during the incident.

The City/Parish [is] [is not] in compliance with Section XI Reporting of Unauthorized Discharges for the period 10/1/11 to 12/31/11. If not, see comments above.

Part E:
Consent Decree
Compliance Status

Baton Rouge Consent Decree Quarterly Report Part E - Consent Decree Compliance Status

Requirement: Pursuant to Exhibit I of the Consent Decree, the City/Parish shall report Consent Decree compliance status in each quarterly report and provide a brief narrative summary of non-compliance items and any other information required to convey activity status as it relates to compliance or non-compliance with the Consent Decree.

Compliance Status

- The City/Parish was not in compliance with the South Wastewater Treatment Plants LPDES Permit No. LA0036412 AI# 4841 during this reporting period. The South Wastewater Treatment Plant (SWWTP) exceeded the permit effluent limits for fecal coliform seven (7) day average and monthly average as shown below. The total amount of stipulated penalties identified for non-compliant activities at the SWWTP during this reporting period is \$3,500. Non-compliance was due to operational issues at the South Wastewater Treatment Plant.

SWWTP	Permit Level	4 th Quarter 2011			Stipulated Penalty		
		Oct.	Nov.	Dec.	# of Occurrences	Per Occurrence	Total
BOD							
7-Day Avg. (mg/l)	45	C	C	C			
Monthly Avg. (mg/l)	30	C	C	C			
Monthly Avg. (lbs/day)	13,511	C	C	C			
Percent Removal	75%	C	C	C			
TSS							
7-Day Avg. (mg/l)	45	C	C	C			
Monthly Avg. (mg/l)	30	C	C	C			
Monthly Avg. (lbs/day)	13,511	C	C	C			
Percent Removal	75%	C	C	C			
TRC							
Daily Max (mg/l)	0.46	C	C	C			
Fecal Coliform							
7-Day Avg. (mg/l)	400 col/100ml	414	C	C	1	\$1,000	\$1,000
Monthly Avg. (mg/l)	200 col/100ml	C	274	C	1	\$2,500	\$2,500
Total							\$3,500

C-Compliance

- The City/Parish was in compliance with the Central Wastewater Treatment Plant LPDES Permit No. LA0036421 AI# 4842 during the reporting period.
- The City/Parish was in compliance with the North Wastewater Treatment Plant LPDES Permit No. LA0036439 AI# 4843 during the reporting period.

The City/Parish [is] [is not] in full compliance with Consent Decree for the period 10/1/11 to 12/31/11. If not, see comments above.