



# **Baton Rouge SSO Program**

## **2002 Consent Decree**

Quarterly Report No. 37

---

**July 27, 2011**



## Department of Public Works

City of Baton Rouge  
Parish of East Baton Rouge

Post Office Box 1471  
Baton Rouge, La 70821

July 26, 2011

### 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-Seventh Quarterly Report - **Period Ending June 30, 2011**

Gentlemen:

Pursuant to Paragraph 51 of the Consent Decree, the City of Baton Rouge and Parish of East Baton Rouge hereby submits the 37<sup>th</sup> Consent Decree Quarterly Report covering activities for the quarter ending June 30, 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:

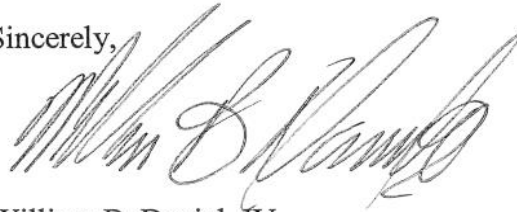
- Cross Connection Elimination Plan
- Collection System Preventive Maintenance Program (PMP)
- Sanitary Sewer Overflow Response Plan (SSORP)
- Reporting of Unauthorized Discharges
- Consent Decree Compliance Status

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 37<sup>th</sup> 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-seventh 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". The signature is fluid and cursive, with the first name "William" being the most prominent.

William B. Daniel, IV  
Acting Director of Public Works

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. Mark LeBlanc  
Mr. Bryan Harmon  
Ms. Cheryl Berry  
Mr. John Ward  
Mr. Garcia Dialekwa  
Mr. Mitch O'Brien  
Ms. Alison Ford

**CITY-PARISH DEPARTMENTAL MEMORANDUM**  
**WASTEWATER TREATMENT AND DISPOSAL DIVISION**

2850 Gardere Lane  
Baton Rouge, LA 70820

**Date:** July 22, 2011

**To:** Mr. Garcia Dialekwa, Wastewater Treatment and Disposal Division  
Mr. John Ward, Wastewater Collection Division  
Mr. E. J. Amato, Field Engineer 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-Seventh Quarterly Report – Period Ending July 30, 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-Seventh 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-Seventh 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

**CITY-PARISH DEPARTMENTAL MEMORANDUM  
WASTEWATER TREATMENT AND DISPOSAL DIVISION**

2850 Gardere Lane  
Baton Rouge, LA 70820

**Date:** July 22, 2011

**To:** Mr. Garcia Dialekwa, Wastewater Treatment and Disposal Division  
Mr. John Ward, Wastewater Collection Division  
Mr. E. J. Amato, Field Engineer 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-Seventh Quarterly Report – Period Ending July 30, 2011  
Data Review

Gentlemen:

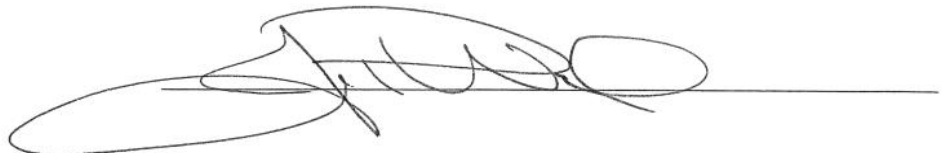
Draft copies of the above referenced report have been submitted for your review. This review is to insure that the data submitted under your direction, has been stated in a truthful and accurate manner in the Thirty-Seventh Quarterly Report. Once the review of your portion of data is complete and corrected, 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-Seventh 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

**CITY-PARISH DEPARTMENTAL MEMORANDUM**  
**WASTEWATER TREATMENT AND DISPOSAL DIVISION**

2850 Gardere Lane  
Baton Rouge, LA 70820

**Date:** July 22, 2011

**To:** Mr. Garcia Dialekwa, Wastewater Treatment and Disposal Division  
Mr. John Ward, Wastewater Collection Division  
Mr. E. J. Amato, Field Engineer 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-Seventh Quarterly Report – Period Ending July 30, 2011  
Data Review

Gentlemen:

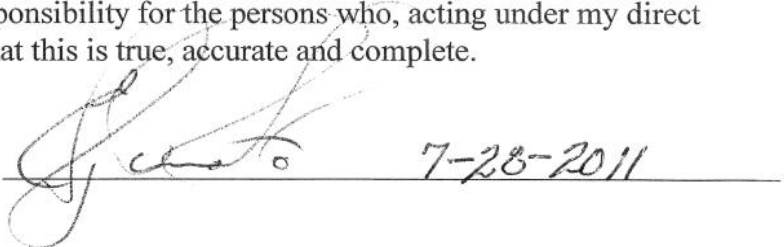
Draft copies of the above referenced report have been submitted for your review. This review is to insure that the data submitted under your direction, has been stated in a truthful and accurate manner in the Thirty-Seventh Quarterly Report. Once the review of your portion of data is complete and corrected, 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-Seventh 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

# 37<sup>th</sup> 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 June 30, 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 June 30, 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 36<sup>th</sup> Quarterly EPA Report (report data from period ending March 31, 2010) on April 27, 2011.
  - *Updated Outreach and Public Awareness Plan* - The Updated Outreach and Public Awareness Plan is just a modified report depicting current outreach being done by the City/Parish and its BTR SSO Control and Wastewater Facilities Program Management Consultant CH2M HILL.
  - *RMAP1 Completion Report* - The RMAP1 Completion Report states that all RMAP1 projects have been completed during the 1<sup>st</sup> quarter of 2011.
- City/Parish met with EPA on April 8, 2011 to provide a SSO Program Status Update and discuss the situation at the North Wastewater Treatment Plant.

## 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



<b>TABLE 1</b> DOJ, EPA and LDEQ Submittal History		
<b>Name</b>	<b>Date Submitted</b>	<b>Additional Information</b>
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) Submittal for the Baton Rouge SSO Control and Wastewater Facilities Program	September 2008	City/Parish formal RMAP2 Submittal
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.

As of June 30, 2011 there have been 52 Consent Decree reporting deliverables submitted on or ahead of schedule. The reporting details are shown in Table 2 below.

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

**TABLE 2**  
Summary of Consent Decree Reporting Deliverables

	Deadline	Completion	Resubmission/ Update
Quarterly Reports			
24 <sup>th</sup>	30-Apr-08	20-Apr-08	
23 <sup>rd</sup>	31-Jan-08	23-Jan-08	
22 <sup>nd</sup>	31-Oct-07	23-Oct-07	
21 <sup>st</sup>	31-Jul-07	23-Jul-07	
20 <sup>th</sup>	30-Apr-07	25-Apr-07	
19 <sup>th</sup>	31-Jan-07	26-Jan-07	
18 <sup>th</sup>	31-Oct-06	25-Oct-06	
17 <sup>th</sup>	31-Jul-06	28-Jul-06	
16 <sup>th</sup>	30-Apr-06	24-Apr-06	
15 <sup>th</sup>	31-Jan-06	23-Jan-06	
14 <sup>th</sup>	31-Oct-05	21-Oct-05	
13 <sup>th</sup>	31-Jul-05	15-Jul-05	
12 <sup>th</sup>	30-Apr-05	11-Apr-05	
11 <sup>th</sup>	31-Jan-05	24-Jan-05	
10 <sup>th</sup>	31-Oct-04	27-Oct-04	
9 <sup>th</sup>	31-Jul-04	26-Jul-04	
8 <sup>th</sup>	30-Apr-04	23-Apr-04	
7 <sup>th</sup>	31-Jan-04	30-Jan-04	
6 <sup>th</sup>	31-Oct-03	30-Oct-03	
5 <sup>th</sup>	31-Jul-03	17-Jul-03	
4 <sup>th</sup>	30-Apr-03	24-Apr-03	
3 <sup>rd</sup>	31-Jan-03	27-Jan-03	
2 <sup>nd</sup>	31-Oct-02	23-Oct-02	
1 <sup>st</sup>	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	

<b>TABLE 2</b> Summary of Consent Decree Reporting Deliverables			
	<b>Deadline</b>	<b>Completion</b>	<b>Resubmission/ Update</b>
Quarterly Reports			
SEP Completion Report	15-Sep-04	10-Sep-04	
2 <sup>nd</sup> 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 and is current through June 30, 2011. At this time all 14 RMAP1 projects are functionally completed, and 13 of the 14 were done either on, or ahead of schedule. The RMAP1 - Industriplex 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 1<sup>st</sup> 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 36<sup>th</sup> Quarterly EPA Report..

<b>TABLE 3</b>				
<i>EPA Consent Decree Summary and RMAP1 Milestones</i>				
		RMAP1 Projects Completed	RMAP1 Projects Completed	<b>Project Status Summary</b>
<b>Milestone Date</b>		May 4, 2007	Proposed on September 1, 2008	
<b>Construction Status</b>		Complete	Complete	
<b>Consent Decree Projects</b>	<b>Corresponding City/Parish Projects</b>			
<b>RMAP1 Projects</b>				
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 SSWTP Influent PS	SSO SSWTP 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

## EPA Consent Decree Summary and RMAP1 Milestones

		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 <sup>th</sup> Quarter 2008	<b>Project completed – 4<sup>th</sup> quarter 2008</b> (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 <sup>th</sup> Quarter 2007	<b>Project completed – 4<sup>th</sup> quarter 2007.</b>
S-08 Industriplex Area Upgrades	Industriplex Area PS 355 and FM Upgrades (99-RMP-S08)		2 <sup>nd</sup> Quarter 2010	<b>Project completed – 1<sup>st</sup> quarter 2011.</b>
S-14 Kleinpeter Area Upgrades	Kleinpeter Area Upgrades (03-RMP-S14)		2 <sup>nd</sup> Quarter 2010	<b>Project completed – 2<sup>nd</sup> quarter 2009.</b>
S-16 PS 136 Area Upgrades	PS 136 Area Upgrades (99-RMP-S16)		2 <sup>nd</sup> Quarter 2010	<b>Project completed – 2<sup>nd</sup> quarter 2010.</b>

\*Notes: This project was executed as a combination of two RMAP1 projects

**TABLE 3***EPA Consent Decree Summary and RMAP1 Milestones*

		RMAP1 Projects Completed	RMAP1 Projects Completed	<b>Project Status Summary</b>
<b>Milestone Date</b>		May 4, 2007	Proposed on September 1, 2008	
<b>Construction Status</b>		Complete	Complete	
<b>Consent Decree Projects</b>	<b>Corresponding City/Parish Projects</b>			
<b>RMAP1 Projects</b>				
**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 June 30, 2011 there are 10 RMAP2 projects functionally completed (ahead of schedule), 30 projects under construction and 38 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 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, 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 3<sup>rd</sup> quarter 2011. 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 2014.



- **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 has been 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 RMAP2 projects are separated into three categories with descriptions and schedules provided for all projects, current through June 30, 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 June 30, 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.

<b>TABLE 4</b>				
<b>EPA Consent Decree RMAP2 Milestones for Category 1 Projects</b>				
<i>All RMAP2 Projects Will Have Milestone Completion Design Dates - 3rd Quarter 2013</i>				
	<b>33% Construction Milestone</b>	<b>66% Construction Milestone</b>	<b>100% Construction Milestone</b>	<b>Project Status Summary</b>
<b>Milestone Date</b>	<b>4th QTR 2012</b>	<b>1st QTR 2014</b>	<b>4th QTR 2014</b>	
<b>Construction Status</b>	<b>Construction Functionally Complete</b>	<b>Construction Functionally Complete</b>	<b>Construction Functionally Complete</b>	
<b>Project Descriptions</b>				
<b>RMAP2 Projects</b>				
<b>Jefferson Hwy – HooShooToo Road</b>	✓			<b>Project completed – 3<sup>rd</sup> quarter 2009.</b>
<b>Staring Lane - Boone Drive</b>	✓			Now called "Staring Lane – Boone Drive Area Rehabilitation Project". <b>Project completed – 2<sup>nd</sup> quarter 2010.</b>
<b>Gardere Lane - Burbank Road</b>	✓			Now called "Burbank Drive – Gardere Lane Area Rehabilitation Project". <b>Project completed – 4<sup>th</sup> quarter 2010.</b>
<b>Oak Villa Blvd - Choctaw Street</b>	✓			Now called "Oak Villa – Choctaw Street Area Rehabilitation Project". Waiting on change order approval to complete remaining work. Construction approximately 97% completed and on-going.
<b>Scotland Avenue - Progress Road</b>	✓			Now called "Scotland Avenue – Progress Road Area Rehabilitation Project". Project completed – 2 <sup>nd</sup> quarter 2011.
<b>Elm Grove Garden Road - Harding Blvd</b>	✓			Now called "Elm Grove Garden Road – Harding Boulevard Area Rehabilitation Project". Punch list in progress. Construction approximately 95% complete and on-going.
<b>Sharp Road - Florida Blvd</b>	✓			Now called "Sharp Road – Florida Boulevard Area Rehabilitation Project". Construction approximately 42% complete and on-going.
<b>Kenilworth Blvd - Boone Drive</b>	✓			Now called "Kenilworth Boulevard – Boone Drive Area Rehabilitation Project". Construction approximately 8% complete and on-going.
<b>Foster Drive - Government Street</b>	✓			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 – Punch list development underway. Construction approximately 95% complete and on-going. Phase B –Construction approximately 43% complete and on-going.
<b>Silverleaf Road - Ford Street</b>	✓			Now called "Silverleaf Road – Ford Street Area Rehabilitation Project". Construction NTP issued. Construction on-going.
<b>Brookstown Road - Evangeline Street</b>	✓			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 NTP issued. Construction

<b>TABLE 4</b>				
<b>EPA Consent Decree RMAP2 Milestones for Category 1 Projects</b>				
<i>All RMAP2 Projects Will Have Milestone Completion Design Dates - 3rd Quarter 2013</i>				
	<b>33% Construction Milestone</b>	<b>66% Construction Milestone</b>	<b>100% Construction Milestone</b>	<b>Project Status Summary</b>
<b>Milestone Date</b>	<b>4th QTR 2012</b>	<b>1st QTR 2014</b>	<b>4th QTR 2014</b>	
<b>Construction Status</b>	<b>Construction Functionally Complete</b>	<b>Construction Functionally Complete</b>	<b>Construction Functionally Complete</b>	
<b>Project Descriptions</b>				
<b>RMAP2 Projects</b>				
				approximately 6% complete and on-going. Phase II –Construction NTP issued. Construction approximately 3% complete and on-going..
<b>Bluebonnet Blvd - Jefferson Hwy</b>		✓		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 –Advertisement for bids completed. Construction NTP expected 4 <sup>th</sup> quarter 2011. Phase II –Advertisement for bids completed. Construction NTP expected 3 <sup>rd</sup> quarter 2011.
<b>Highland Road - Washington Street</b>	✓			Now called "Highland Road – Washington Street Area Rehabilitation Project". Data analysis and basin characterization report completed and reviewed. Survey completed. 90% design expected 3 <sup>rd</sup> quarter 2011.
<b>Stanford Avenue - Morning Glory Road</b>	✓			Now called "Stanford Avenue – Morning Glory Road Area Rehabilitation Project". Final design submitted and reviewed. Advertisement for bidding underway. Construction NTP expected 4 <sup>th</sup> quarter 2011.
<b>Airline Highway - Goodwood Blvd</b>		✓		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 – Physical inspection completed. Design NTP expected to be issued and data analysis/report expected to be completed 3 <sup>rd</sup> quarter 2011. Phase II – Physical inspection underway and expected to be completed 3 <sup>rd</sup> quarter 2011. Data analysis and report expected to be completed 3 <sup>rd</sup> quarter 2011.
<b>Acadian Thruway - Claycut Road</b>	✓			Now called "Acadian Thruway – Claycut Road Area Rehabilitation Project". Data analysis and basin characterization report completed. Survey completed. Final design submitted and advertisement for bidding expected 3 <sup>rd</sup> quarter 2011.
<b>Acadian Thruway - Perkins Road</b>	✓			Now called "Acadian Thruway – Perkins Road Area Rehabilitation Project". Final design submitted. Advertisement for bidding expected to be underway 3 <sup>rd</sup> quarter 2011. Construction NTP expected 4 <sup>th</sup> quarter 2011.
<b>Antioch Road - Chadsford Drive</b>		✓		Now called "Antioch Road – Chadsford Drive Area Rehabilitation Project". Physical inspection expected to begin 3 <sup>rd</sup> quarter 2011.
<b>Jones Creek Road - Tiger Bend</b>		✓		Now call "Jones Creek Road – Tiger Bend Road

<b>TABLE 4</b>				
EPA Consent Decree RMAP2 Milestones for Category 1 Projects				
<i>All RMAP2 Projects Will Have Milestone Completion Design Dates - 3rd Quarter 2013</i>				
	<b>33% Construction Milestone</b>	<b>66% Construction Milestone</b>	<b>100% Construction Milestone</b>	<b>Project Status Summary</b>
<b>Milestone Date</b>	<b>4th QTR 2012</b>	<b>1st QTR 2014</b>	<b>4th QTR 2014</b>	
<b>Construction Status</b>	<b>Construction Functionally Complete</b>	<b>Construction Functionally Complete</b>	<b>Construction Functionally Complete</b>	
<b>Project Descriptions</b>				
<b>RMAP2 Projects</b>				
<b>Road</b>				Area Rehabilitation Project".
<b>Scenic Highway - Spanish Town Road</b>			✓	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".
<b>Siegen Lane - Interstate 10</b>		✓		Now called "Siegen Lane – Interstate 10 Area Rehabilitation Project".
<b>Interstate 110 - Hollywood Street</b>		✓		Now called "Interstate 110 – Hollywood Street Area Rehabilitation Project".
<b>Ardenwood Drive - Winbourne Street</b>			✓	Now called "Ardenwood Drive – Winbourne Street Area Rehabilitation Project".
<b>Flannery Road - Florida Blvd</b>			✓	Now called "Flannery Road – Florida Boulevard Area Rehabilitation Project".
<b>East Boulevard - Government Street</b>			✓	Now called "East Boulevard – Government Street Area Rehabilitation Project".
<b>North 38th Street - Gus Young Avenue</b>			✓	Now called "North 38 <sup>th</sup> 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 June 30, 2011.

<b>TABLE 5</b>				
<b>EPA Consent Decree RMAP Milestones for Category 2 Projects</b>				
<i>All RMAP2 Projects Will Have Milestone Completion Design Dates - 3rd Quarter 2013</i>				
	<b>33% Construction Milestone</b>	<b>66% Construction Milestone</b>	<b>100% Construction Milestone</b>	<b>Project Status Summary</b>
<b>Milestone Date</b>	<b>4th QTR 2012</b>	<b>1st QTR 2014</b>	<b>4th QTR 2014</b>	
<b>Construction Status</b>	<b>Construction Functionally Complete</b>	<b>Construction Functionally Complete</b>	<b>Construction Functionally Complete</b>	
<b>Project Descriptions</b>				
<b>RMAP2 Projects</b>				
<b>Capitol Lake Drive - Gayosa Street</b>	✓			Now called "Capitol Lake – Gayosa Street Area Capacity Improvements". A portion of 25 <sup>th</sup> and North Acadian Thruway Project is included in this project to eliminate construction conflicts. Construction approximately 28% complete and on-going.
<b>Gurney Road - Joor Road</b>	✓			<b>Project completed – 4<sup>th</sup> quarter 2009.</b>
<b>Multiple Pump Stations - Lovett Road Area</b>	✓			Also called "Sullivan Rd./Lovett Rd./Wax Rd. Sewer Upgrades". <b>Project completed – 1<sup>st</sup> quarter 2011.</b> Preparing final change order.
<b>Comite Road - Foster Road</b>	✓			Now called "Comite Road – Foster Road Sewer Area Upgrades - Phase I". Phase I – <b>Project completed – 2<sup>nd</sup> quarter 2010.</b> 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. <b>Project completed – 1<sup>st</sup> quarter 2011.</b>
<b>Foster Road - Hooper Road</b>	✓			Now called "Foster Road – Hooper Road Sewer Area Upgrade". <b>Project completed – 4<sup>th</sup> quarter 2010.</b>

<b>TABLE 5</b>				
<b>EPA Consent Decree RMAP Milestones for Category 2 Projects</b>				
<i>All RMAP2 Projects Will Have Milestone Completion Design Dates - 3rd Quarter 2013</i>				
	<b>33% Construction Milestone</b>	<b>66% Construction Milestone</b>	<b>100% Construction Milestone</b>	<b>Project Status Summary</b>
<b>Milestone Date</b>	<b>4th QTR 2012</b>	<b>1st QTR 2014</b>	<b>4th QTR 2014</b>	
<b>Construction Status</b>	<b>Construction Functionally Complete</b>	<b>Construction Functionally Complete</b>	<b>Construction Functionally Complete</b>	
<b>Project Descriptions</b>				
<b>RMAP2 Projects</b>				
<b>Zachary Area Transmission Network Improvements</b>		✓		<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 7% complete and on-going.</p> <p>Phase II –Final design completed, though advertisement for bids on hold due to land acquisition issues. LDEQ approved final plans, and are currently incorporating their comments which included their requirements for excavating in contaminated soils. Advertisement expected 3<sup>rd</sup> quarter 2011.</p> <p>Phase III –Construction approximately 1% complete and on-going.</p> <p>Phase IV – Construction approximately 25% complete and on-going.</p>
<b>South Boulevard - St. Joseph Street</b>	✓			<p>Now called "South Boulevard – St. Joseph Street Sewer Area Upgrades". Note that a portion of the 25<sup>th</sup> and North Acadian Thruway Project is included in this project to eliminate construction conflicts. Construction approximately 35 % completed and is on-going.</p>
<b>Downtown Area - PS59 Improvements</b>	✓			<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 6% complete and on-going.</p>
<b>Downtown Area - PS15, PS19 &amp; PS60 Improvements</b>	✓			<p>Now called "Downtown Area Pump Station Improvements". Project merged with Downtown Area PS59 Improvements. Significant scope addition to project during design. Construction NTP issued. Construction approximately 6% complete and on-going.</p>
<b>Highland Road - Buchanan Street</b>	✓			<p>Now called "Highland Road – Buchanan Street Sewer Area Upgrades". Construction approximately 90% completed and is on-going.</p>
<b>Citiplace/Essen Area - PS119 &amp; Forcemain Improvements</b>	✓			<p>Construction approximately 40% complete and on-going.</p>

<b>TABLE 5</b>				
EPA Consent Decree RMAP Milestones for Category 2 Projects				
<i>All RMAP2 Projects Will Have Milestone Completion Design Dates - 3rd Quarter 2013</i>				
	<b>33% Construction Milestone</b>	<b>66% Construction Milestone</b>	<b>100% Construction Milestone</b>	<b>Project Status Summary</b>
<b>Milestone Date</b>	<b>4th QTR 2012</b>	<b>1st QTR 2014</b>	<b>4th QTR 2014</b>	
<b>Construction Status</b>	<b>Construction Functionally Complete</b>	<b>Construction Functionally Complete</b>	<b>Construction Functionally Complete</b>	
<b>Project Descriptions</b>				
<b>RMAP2 Projects</b>				
<b>North Capacity Group 1A - Veterans Memorial Parkway - Gravity Mains</b>		✓		Now called "Group Project 1A (Metro Airport Sewer Upgrades)". Construction NTP issued. Construction approximately 1% complete and on-going.
<b>North Capacity Group 1B - Veterans Memorial Parkway - PS and FM</b>		✓		Also called "Group Project 1B (Metro Airport Sewer Area Pump Station & Forcemain Upgrades)". Significant scope addition to project. Final design submitted. Advertisement for bidding expected to be underway 3 <sup>rd</sup> quarter 2011. Design on-going.
<b>Perkins/Old Perkins Area - Booster PS 514 Improvements</b>		✓		Construction contract awarded. Construction NTP expected to be issued 3 <sup>rd</sup> quarter 2011.
<b>Group 2 - Small Pump Stations</b>	✓			Now called "Group Project 2 (Old Perkins – Highland Road Area Upgrades)". Construction approximately 80% completed and on-going.
<b>Highland Road - Burbank Drive</b>	✓			Now called "Highland Road – Burbank Drive Capacity Improvements". Construction NTP issued. 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. Construction is approximately 1% complete and on-going.
<b>Nicholson Dr - Highland Rd - Perkins Rd</b>		✓		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 NTP issued. Construction approximately 56% complete and on-going.  Phase B –Final design submitted. Advertisement for bids on hold due to land acquisition issues with LSU. Once the land settlement is in place, the project will be bid. Advertisement for bids expected to be underway 4 <sup>th</sup> quarter 2011.
<b>Perkins Road - Dahlia Street</b>		✓		Now called "Bayou Duplantier Area Sewer Upgrades". Final design completed. Land acquisition on-going. Advertisement for bids expected to be underway 3 <sup>rd</sup> quarter 2011.

**TABLE 5**

**EPA Consent Decree RMAP Milestones for Category 2 Projects**

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

	<b>33% Construction Milestone</b>	<b>66% Construction Milestone</b>	<b>100% Construction Milestone</b>	<b>Project Status Summary</b>
<b>Milestone Date</b>	<b>4th QTR 2012</b>	<b>1st QTR 2014</b>	<b>4th QTR 2014</b>	
<b>Construction Status</b>	<b>Construction Functionally Complete</b>	<b>Construction Functionally Complete</b>	<b>Construction Functionally Complete</b>	
<b>Project Descriptions</b>				
<b>RMAP2 Projects</b>				
<b>25th Street - North Acadian Thruway</b>	✓			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 <sup>th</sup> – 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.
<b>Government St - South Acadian Thruway</b>		✓		Final design submitted and reviewed. Land acquisition on-going. Advertisement for bids expected to be underway 4 <sup>th</sup> quarter 2011.
<b>Plank Road - Kleinpeter Road</b>		✓		Now called "Plank Road – Kleinpeter Road Sewer Area Upgrades". Finalizing design. Design on-going. Land acquisition expected to be underway 3 <sup>rd</sup> quarter 2011.
<b>O'Neal Lane - Jones Creek Road</b>		✓		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 - 30% design submitted and reviewed. 60% design underway. 60% design expected to be submitted and reviewed 3 <sup>rd</sup> quarter 2011. Design on-going.  Phase B - 30% design submitted and reviewed. 60% design underway. 60% design expected to be submitted and reviewed 3 <sup>rd</sup> quarter 2011. Design on-going.



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				
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 - 30% design submitted and reviewed. 60% design underway. 60% design expected to be submitted and reviewed 3<sup>rd</sup> quarter 2011. Design on-going.</p> <p>Phase B - 30% design submitted and reviewed. 60% design underway. 60% design expected to be submitted and reviewed 3<sup>rd</sup> quarter 2011. Design on-going.</p>
Multiple PS - Nicholson Dr - Brightside Dr		✓		<p>Final design submitted and under review. Design on-going. Project has experienced minor delays at this time due to 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 4<sup>th</sup> quarter 2011.</p>
PS 58A Overflow Pump Station		✓		<p>Now called "Pump Station 58 Capacity Improvements". Final design submitted and under review. Land acquisition underway. Design on-going. Advertisement for bidding expected 4<sup>th</sup> quarter 2011.</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. <b>Project completed – 2<sup>nd</sup> quarter 2010.</b></p>
Staring Lane FM B – PS58 Improvements (Highland to Perkins)	✓			<p>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<sup>rd</sup> quarter 2013. Issues with utility relocation during construction phase. Construction approximately 3% complete and on-going.</p>

<b>TABLE 5</b>				
<b>EPA Consent Decree RMAP Milestones for Category 2 Projects</b>				
<i>All RMAP2 Projects Will Have Milestone Completion Design Dates - 3rd Quarter 2013</i>				
	<b>33% Construction Milestone</b>	<b>66% Construction Milestone</b>	<b>100% Construction Milestone</b>	<b>Project Status Summary</b>
<b>Milestone Date</b>	<b>4th QTR 2012</b>	<b>1st QTR 2014</b>	<b>4th QTR 2014</b>	
<b>Construction Status</b>	<b>Construction Functionally Complete</b>	<b>Construction Functionally Complete</b>	<b>Construction Functionally Complete</b>	
<b>Project Descriptions</b>				
<b>RMAP2 Projects</b>				
<b>Staring Lane FM C - Perkins to PS 58</b>		✓		Now called "Staring Lane FM (Phase III - Perkins to PS58)". Final design submitted and under review. Land acquisition underway. Construction contractor selected. Construction NTP expected 4 <sup>th</sup> quarter 2011.
<b>Multiple PS - Jefferson Hwy - Park Forest Dr</b>		✓		Construction contractor selected. Construction NTP expected 4 <sup>th</sup> quarter 2011.
<b>Airline Highway - Jefferson Highway</b>		✓		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. 60% design expected to be submitted 3 <sup>rd</sup> quarter 2011. Design on-going.
<b>Essen Lane - Interstate 12</b>			✓	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. 60% design expected to be submitted 3 <sup>rd</sup> quarter 2011. Design on-going.
<b>Multiple PS - Highland Road - Kenilworth Parkway</b>			✓	30% design is expected to be submitted 3 <sup>rd</sup> quarter 2011.
<b>Multiple PS - Florida Blvd - Sherwood Forest Blvd</b>			✓	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. Design consultant selection and design NTP expected in 3 <sup>rd</sup> quarter 2011.
<b>Multiple PS - Plank Road - Thomas Road</b>			✓	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 3 <sup>rd</sup> quarter 2011.
<b>Multiple PS - Plank Road - Harding Boulevard</b>			✓	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 3 <sup>rd</sup> quarter 2011.
<b>Multiple PS - Highway 61 - Plank Road</b>			✓	Project definition underway. Design consultant expected to be selected 3 <sup>rd</sup> quarter 2011.

<b>TABLE 5</b>				
<b>EPA Consent Decree RMAP Milestones for Category 2 Projects</b>				
<i>All RMAP2 Projects Will Have Milestone Completion Design Dates - 3rd Quarter 2013</i>				
	<b>33% Construction Milestone</b>	<b>66% Construction Milestone</b>	<b>100% Construction Milestone</b>	<b>Project Status Summary</b>
<b>Milestone Date</b>	<b>4th QTR 2012</b>	<b>1st QTR 2014</b>	<b>4th QTR 2014</b>	
<b>Construction Status</b>	<b>Construction Functionally Complete</b>	<b>Construction Functionally Complete</b>	<b>Construction Functionally Complete</b>	
<b>Project Descriptions</b>				
<b>RMAP2 Projects</b>				
<b>Multiple PS - Jones Creek Rd - Tiger Bend Rd</b>			✓	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 - 15% design submitted and under review. Design on-going.  O'Neal Lane Pump Station B - 15% design submitted and under review. Design on-going.
<b>Airline Highway - Interstate 12</b>			✓	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. 60% design expected to be submitted 3 <sup>rd</sup> quarter 2011. Design on-going.
<b>Florida Boulevard - Sherwood Forest Boulevard</b>			✓	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. Design consultant selected and design NTP expected to be issued 3 <sup>rd</sup> quarter 2011..
<b>Goodwood Boulevard - South Flannery Road</b>			✓	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. Design consultant selected and design NTP expected to be issued. 3 <sup>rd</sup> quarter 2011.
<b>Joor Road - Greenwell Springs Road</b>			✓	Project definition underway. Design consultant selected. Design NTP expected 3 <sup>rd</sup> quarter 2011.
<b>Plank Road - Port Hudson Pride Road</b>			✓	Project definition underway. Design consultant expected to be selected 3 <sup>rd</sup> quarter 2011.

**TABLE 5**

**EPA Consent Decree RMAP Milestones for Category 2 Projects**

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

	<b>33% Construction Milestone</b>	<b>66% Construction Milestone</b>	<b>100% Construction Milestone</b>	<b>Project Status Summary</b>
<b>Milestone Date</b>	4th QTR 2012	1st QTR 2014	4th QTR 2014	
<b>Construction Status</b>	Construction Functionally Complete	Construction Functionally Complete	Construction Functionally Complete	
<b>Project Descriptions</b>				
<b>RMAP2 Projects</b>				
<b>Essen Lane - Highland Road</b>			✓	<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 - Design consultant selected. Project definition underway. Design NTP expected 3<sup>rd</sup> quarter 2011.</p> <p>Highland Road Pipeline Improvements – B - Design consultant selected. Project definition underway. Design NTP expected 3<sup>rd</sup> quarter 2011.</p>
<b>Oak Villa Boulevard - Monterey Boulevard</b>			✓	<p>Project definition underway. Design consultant selected. Design NTP expected 3<sup>rd</sup> quarter 2011.</p>
<b>Lovett Road - Greenwell Springs Road</b>			✓	<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 - 15 % design submitted and reviewed. 30% design expected to be submitted 3<sup>rd</sup> quarter 2011. Design on-going.</p> <p>Lovett Road - Greenwell Springs – B - 15 % design submitted and reviewed. 30% design expected to be submitted 3<sup>rd</sup> quarter 2011. Design on-going.</p>
<b>Highland Road - Lee Drive</b>			✓	<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 - Design consultant selected. Project definition underway. Design NTP expected 3<sup>rd</sup> quarter 2011.</p> <p>Highland Road Pipeline Improvements – B - Design consultant selected. Project definition underway. Design NTP expected 3<sup>rd</sup> quarter 2011.</p>

<b>TABLE 5</b>				
<b>EPA Consent Decree RMAP Milestones for Category 2 Projects</b>				
<i>All RMAP2 Projects Will Have Milestone Completion Design Dates - 3rd Quarter 2013</i>				
	<b>33% Construction Milestone</b>	<b>66% Construction Milestone</b>	<b>100% Construction Milestone</b>	<b>Project Status Summary</b>
<b>Milestone Date</b>	<b>4th QTR 2012</b>	<b>1st QTR 2014</b>	<b>4th QTR 2014</b>	
<b>Construction Status</b>	<b>Construction Functionally Complete</b>	<b>Construction Functionally Complete</b>	<b>Construction Functionally Complete</b>	
<b>Project Descriptions</b>				
<b>RMAP2 Projects</b>				
<b>Multiple PS - Hooper Rd - Greenwell Springs Rd</b>			✓	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. 15% design submitted and reviewed. 30% design expected to be submitted 3 <sup>rd</sup> quarter 2011. Design on-going.
<b>Multiple Booster PS - Hooper Rd - Lovett Rd</b>			✓	Now called "Hooper Road PS Projects". Project merged with Multiple PS – Hooper Rd – Greenwell Springs Rd project for ease of management and to eliminate construction sequencing issues. . 15% design submitted and reviewed. 30% design expected to be submitted 3 <sup>rd</sup> quarter 2011. Design on-going.
<b>Multiple PS - Prescott Rd - Greenwell Springs Rd</b>			✓	
<b>Multiple PS - O'Neal Ln – Interstate 10</b>			✓	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 - 15% design submitted and under review. Design on-going.  O'Neal Lane Pump Station B -. 15% design submitted and under review. Design on-going.
<b>Multiple PS - O'Neal Ln - S. Harrells Ferry Rd</b>			✓	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 - 15% design submitted and under review. Design on-going.  O'Neal Lane Pump Station B -. 15% design submitted and under review. Design on-going.

<b>TABLE 5</b>				
<b>EPA Consent Decree RMAP Milestones for Category 2 Projects</b>				
<i>All RMAP2 Projects Will Have Milestone Completion Design Dates - 3rd Quarter 2013</i>				
	<b>33% Construction Milestone</b>	<b>66% Construction Milestone</b>	<b>100% Construction Milestone</b>	<b>Project Status Summary</b>
<b>Milestone Date</b>	<b>4th QTR 2012</b>	<b>1st QTR 2014</b>	<b>4th QTR 2014</b>	
<b>Construction Status</b>	<b>Construction Functionally Complete</b>	<b>Construction Functionally Complete</b>	<b>Construction Functionally Complete</b>	
<b>Project Descriptions</b>				
<b>RMAP2 Projects</b>				
<b>Airline/Florida Boulevard Area - PS30 Improvements &amp; New PS</b>			✓	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. Project definition underway. Design consultant selected. Design NTP expected in 3 <sup>rd</sup> quarter 2011.
<b>Multiple PS - Burbank Drive - Siegen Lane</b>			✓	Project definition underway. Design consultant selected. Design NTP expected 3 <sup>rd</sup> quarter 2011.
<b>Central Consolidation - Central PS42</b>		✓		Now called "Pump Station 42". Design scope change completed. Final design expected to be submitted and advertisement for bids expected to be underway 3 <sup>rd</sup> quarter 2011. Design on-going.
<b>Central Consolidation - Central PS42 FM</b>		✓		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.  Phase I - Construction contractor selected. Construction NTP expected 4 <sup>th</sup> quarter 2011.  Phase II –Additional scope added to project (FM from PS1). Final design expected to be submitted and reviewed 3 <sup>rd</sup> quarter 2011. Waiting on LSU. Design on-going.
<b>Central Consolidation Eastside PS's - PS 2, 3, 4, 5, 6, 7, &amp; 10</b>		✓		Now called "Central Consolidated Pump Stations". Final design submitted and under review. Advertisement for bids expected to be underway 3 <sup>rd</sup> quarter 2011. Design on-going.
<b>Central Consolidation Eastside FM's - FM from PS 2, 3, 7, 10, &amp; 5</b>		✓		Now called "Central Consolidated FM". Final design submitted and reviewed. Advertisement for bids expected to be underway 3 <sup>rd</sup> quarter 2011.

### 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 June 30, 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 NTP issued. Construction approximately 4% 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

<b>TABLE 6</b>				
<b>EPA Consent Decree RMAP Milestones for Category 3 Projects</b>				
<i>All RMAP2 Projects Will Have Milestone Completion Design Dates - 3rd Quarter 2013</i>				
	<b>33% Construction Milestone</b>	<b>66% Construction Milestone</b>	<b>100% Construction Milestone</b>	<b>Project Status Summary</b>
<b>Milestone Date</b>	<b>4th QTR 2012</b>	<b>1st QTR 2014</b>	<b>4th QTR 2014</b>	
<b>Construction Status</b>	<b>Construction Functionally Complete</b>	<b>Construction Functionally Complete</b>	<b>Construction Functionally Complete</b>	
<b>Project Descriptions</b>				
<b>RMAP2 Projects</b>				
				acquisition issue has resulted in significant delays 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 now 1 <sup>st</sup> 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. 60% design expected to be completed 3 <sup>rd</sup> quarter 2011.
<b>South WWTP IAP Consolidated – Screening, Primary Treatment, Trickling Filter Recirculation, Sludge Handling</b>	✓			<b>Project completed – 2<sup>nd</sup> quarter 2011.</b>
<b>South WWTP IAP- Effluent Pumping Improvements</b>	✓			<b>Project completed – 1<sup>st</sup> quarter 2008.</b>
<b>South WWTP - Phase 1</b>		✓		Also called "Swwtp Wet Weather Improvements - Phase I". Construction is approximately 31% complete and is on-going.
<b>South WWTP - Phase 2</b>			✓	Also called "Swwtp Wet Weather Improvements - Phase II". Final design documents submitted. Advertisement for bids expected to be underway 3 <sup>rd</sup> quarter 2011.

## 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 36<sup>th</sup> Quarterly EPA Report.

Though the Updated Outreach and Public Awareness Program Plan is in the process of being approved, associated 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 June 30, 2010 the following outreach and public awareness activities took place:

#### April 2011

April 25: Attended the District 5 Advisory Council Meeting held at Lanier Elementary School Gymnasium. The Program Manager presented the status of the SSO Program including information about the consent decree and SSO projects in District 5. Approximately 30 people were in attendance.

April 27: Attended the Jefferson Place – Bocage Civic Association/Garden District Meeting held at the Garden Center. Approximately 70 were in attendance to learn about general SSO information, the purpose and scope and projects (current and future) in the garden district. Attendees were interested to learn what they could expect during construction. The Program Manager encouraged residents to sign up for the monthly progress report to keep informed.

#### May 2011

May 23: Attended a District 5 Town Hall Meeting at Redemptorist High School. Approximately 25 people were in attendance to learn about SSO projects affecting the neighborhoods in their area. Citizens were specifically interested in construction activities and potential flooding cross-issues.

May 24: Delivered a newsletter mailing for 900 residents in District 10 which was created and distributed to 900 residents. The one-page newsletter contained general information about the status of the SSO Program, improvements that will be made when the program is complete and what residents can expect during construction activities.

#### June 2011

June 2: Attended at a District 6 Town Hall Meeting at the Florida Boulevard Baptist Church. Approximately 35 people were in attendance to learn about status of the SSO Program. Citizens were mainly concerned about what they can expect during construction activities.

June 9: Attended a special Forest Heights Subdivision community meeting hosted by Councilwoman Ronnie Edwards, District 5. Citizens requested the meeting to discuss the staging area (Airline Highway and Maplewood) chosen by the construction constructor, Texas Sterling. The community was strongly opposed to the staging area being placed in their neighborhood and concerned about damage to the roads from the heavy truck traffic.

June 14: Attended a Tell Tara Town Meeting, District 10 community meeting at the Baton Rouge Gallery on Dalrymple Drive. Approximately 30 people were in attendance. Citizens were inquisitive about the status of

the SSO Program and the projects in their neighborhoods. Councilwoman Tara Wicker commented extensively on the Programs reputation as being a good citizen especially as it pertains to using local workforce and ensuring diversity throughout the program.

June 22: Attended the Southside Civic Association Summer Meeting. Approximately 75 people were in attendance. Residents in this area were mostly concerned about SSO construction in the area of Southdowns. Mr. William Daniel, Interim Director of DPW, along with the SSO Program Manager, explained the projects in the area and provided detailed information about the status of the SSO Program.

June 25: Attended a summer Kleinpeter Terrace Community Meeting. Approximately 25 people attended this informal summer BBQ event. A representative from the SSO Program was in attendance to answer questions about the Program and what residents can expect during construction.

June 27: Attended a District 5 Community Advisory Committee meeting at the Sharon Hills Elementary School. Approximately 25 people were in attendance. Focus of the meeting was to update the residents on the Hooper Storage capacity project. Residents were acceptable to the status of the new location and no additional action items are needed.

**Baton Rouge 2002 Consent Decree Quarterly Report**  
**Summary of Activity Totals**  
**April 1 - June 30, 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
<b>Gravity Collection System (8,510,000ft/38,000MH)</b>											
Lines Cleaned (ft)	357,679	63%	438,883	140%	0	140%	0	140%	796,562	140%	570,000
CCTV Inspected (ft)	224,410	39%	372,781	105%	0	105%	0	105%	597,191	105%	570,000
Smoke Tested (ft)	11,806		16,905		0		0		28,711		----
Smoke Tested (no. of locations)	3		4		0		0		7		----
Dye Water Flooded (no. of locations)	3		4		0		0		7		----
Manholes Inspected (no.)	588	24%	1,760	94%	0	94%	0	94%	2,348	94%	2,500
Lines Repaired (no.)	2,420		1,241		0		0		3,661		----
MH Rehabbed (no.)	137		171		0		0		308		----
<b>Force Mains (240 miles)</b>											
Visual Surface Inspection (miles)	37.3	31%	37.8	63%	0.0	63%	0.0	63%	75.1	63%	120
Repaired (no.)	3		127		0		0		130		----
<b>Air Release Valves (604)</b>											
Inspected/Maintained	235	24%	188	44%	0	44%	0	44%	423	44%	960 to 1,200
Repaired (no.)	59		88		0		0		147		----
<b>Pump &amp; Lift Stations (421)</b>											
Inspections (no.)	17,214	38%	17,667	77%	0	77%	0	77%	34,881	77%	45,136
Wet wells cleaned	127		105		0		0		232		----
Repaired (no.)	26		20		0		0		46		----
<b>Peak Flow Storage Facilities (2)</b>											
Little Peak site visits	38	37%	39	74%	0	74%	0	74%	77	74%	104
Big Peak site visits	38	37%	39	74%	0	74%	0	74%	77	74%	104

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

25%

50%

75%

100%

**Baton Rouge 2002 Consent Decree Quarterly Report**  
**Preventive Maintenance Plan Summary Totals**  
**April 1 - June 30, 2011**

**North Plant- LA0036439**

Summary of Activities	1st Quarter (EPA Report No. 36)					2nd Quarter (EPA Report No. 37)						
	WWC (w/AMP) (Rout.) (Corr.)	WWC-PS (Rout.) (Corr.)	Field Engr. (Rout.)	Field Engr.- (Rout.)	Quarterly Total	*Cum. % Complete	WWC (w/AMP) (Rout.) (Corr.)	WWC-PS (Rout.) (Corr.)	Field Engr. (Rout.)	Field Engr.- (Rout.)	Quarterly Total	*Cum. % Complete
<b>Gravity Collection System</b> (2,460,000ft/10,640MH)												
Lines Cleaned (ft)	49,750		2,262	5,193	52,012	9%	27,750		17,352	45,102	17%	
CCTV Inspected (ft)					5,193	1%			20,465	20,465	5%	
Smoke Tested (ft)			4,270		4,270				10,897	10,897		
Smoke Tested (no. of locations)			1		1				4	4		
Dye Water Flooded (no. of locations)			1		1				4	4		
Manholes Inspected (no.)			28		28	1%			32	32	2%	
Lines Repaired (no.)	60		303		363		54		440	494		
MH Rehabbed (no.)	10		34		44		11		63	74		
<b>Force Mains (120 miles)</b>												
Visual Surface Inspection (miles)					29.3	24%				14.4	14	36%
Repaired (no.)	1				1		1			66	67	
<b>Air Release Valves (335)</b>												
Inspected/Maintained					212	22%				72	72	30%
Repaired (no.)					46					30	30	
<b>Pump &amp; Lift Stations (141)</b>												
Inspections (no.)					5,624	12%				5,772	5,772	25%
Wet wells cleaned					42					48	48	
Repaired (no.)					8					9	9	

Rout.-Routine Maintenance  
 Corr.-Corrective Maintenance

**Baton Rouge 2002 Consent Decree Quarterly Report  
Preventive Maintenance Plan Summary Totals  
April 1 - June 30, 2011**

**Central Plant-LA0036421**

Summary of Activities	1st Quarter (EPA Report No. 36)						2nd Quarter (EPA Report No. 37)									
	WWC (w/AMP)		WWC-PS		Field Engr.	Field Engr.-	Quarterly Total	*Cum. % Complete	WWC (w/AMP)		WWC-PS		Field Engr.	Field Engr.-	Quarterly Total	*Cum. % Complete
	(Rout.)	(Corr.)	(Rout.)	(Corr.)	(Rout.)	(Rout.)			(Rout.)	(Corr.)	(Rout.)	(Corr.)	(Rout.)	(Rout.)		
<b>Gravity Collection System</b>																
Lines Cleaned (ft)		21,750			146,410	168,160	30%			9,250			5,464	14,714	32%	
CCTV Inspected (ft)					146,410	146,410	26%						5,464	5,464	27%	
Smoke Tested (ft)					3,159	3,468						1,452		1,452		
Smoke Tested (no. of locations)					1	1								0		
Dye Water Flooded (no. of locations)					1	1								0		
Manholes Inspected (no.)					22	210	8%					11	22	33	10%	
Lines Repaired (no.)		1,320			236	1,556				82			184	266		
MH Rehabbed (no.)		2			45	47				13			11	24		
<b>Force Mains (10 miles)</b>																
Visual Surface Inspection (miles)				0.0		0.0	0%					0.4		0.4	0%	
Repaired (no.)						0							13	13		
<b>Air Release Valves (18)</b>																
Inspected/Maintained				0		0	0%					2		2	0%	
Repaired (no.)				0		0						2		2		
<b>Pump &amp; Lift Stations (21)</b>																
Inspections (no.)				836		836	2%					858		858	4%	
Wet wells cleaned				7		7						2		2		
Repaired (no.)				0		0						0		0		

Rout.-Routine Maintenance  
Corr.-Corrective Maintenance

**Baton Rouge 2002 Consent Decree Quarterly Report  
Preventive Maintenance Plan Summary Totals  
April 1 - June 30, 2011**

**South Plant-LA0036412**

Summary of Activities	1st Quarter (EPA Report No. 36)						2nd Quarter (EPA Report No. 37)										
	WWC (w/AMP)		WWC-PS		Field Engr. contr.		*Cum. % Complete		Quarterly Total		Field Engr. contr.		Quarterly Total		*Cum. % Complete		
	(Rout.)	(Corr.)	(Rout.)	(Corr.)	(Rout.)	(Rout.)	(Rout.)	(Rout.)	(Rout.)	(Rout.)	(Rout.)	(Rout.)	(Rout.)	(Rout.)	(Rout.)	(Rout.)	
<b>Gravity Collection System (4,640,000ft/21,580MH)</b>																	
Lines Cleaned (ft)		64,750				72,757		24%	137,507					345,567		379,067	91%
CCTV Inspected (ft)						72,807		13%	72,807					346,852		346,852	74%
Smoke Tested (ft)				4,069					4,069					4,556		4,556	
Smoke Tested (no. of locations)				1					1							0	
Dye Water Flooded (no. of locations)				1					1							0	
Manholes Inspected (no.)			20		330			14%	350		23		1,672		1,695	82%	
Lines Repaired (no.)	110				391				501				404		481		
MH Rehabbed (no.)	19				27				46				56		73		
<b>Force Mains (110 miles)</b>																	
Visual Surface Inspection (miles)			8.0					7%	8.0							23.0	26%
Repaired (no.)	2								2					45		47	
<b>Air Release Valves (251)</b>																	
Inspected/Maintained			23						23							114	14%
Repaired (no.)				13					13							56	
<b>Pump &amp; Lift Stations (259)</b>																	
Inspections (no.)			10,754					24%	10,754							11,037	48%
Wet wells cleaned			78						78							55	
Repaired (no.)				16		1			17							11	
<b>Peak Flow Storage Facilities (2)</b>																	
Little Peak site visits			38						38							39	74%
Big Peak site visits			38						38							39	74%

Rout.-Routine Maintenance  
Corr.-Corrective Maintenance

# Table of Contents

	<u>PART</u>
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 16,905 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.

<b>Summary</b>	<b>North Plant LA0036439 AI# 4843</b>	<b>Central Plant LA0036421 AI# 4842</b>	<b>South Plant LA0036412 AI# 4841</b>	<b>Total</b>
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**

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

The City/Parish  [is]  [is not] in compliance with Section VIII Elimination of Cross Connections for the period 4/1/11 to 6/30/11. 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 not achieved this quarter. The percentage of air release valves inspected did not reach more that the 50% 2<sup>nd</sup> quarter goal; the percent inspected reached 44%. We do not anticipate any non-compliance related to preventive maintenance activities in the future. 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 April-June 2011	Cumulative 2011 Annual Total	2011 Annual Goal
<b>Gravity Collection System (8,510,000ft/38,000MH)</b>			
Lines Cleaned (ft)	438,883	796,562	570,000
CCTV Inspected (ft)	372,781	597,191	570,000
Smoke Tested (ft)	16,905	28,711	----
Smoke Tested (no. of locations)	4	7	----
Dye Water Flooded (no. of locations)	4	7	----
Manholes Inspected (no.)	1,760	2,348	2,500
Lines Repaired (no.)	1,241	3,661	----
MH Rehabbed (no.)	171	308	----
<b>Force Mains (240 miles)</b>			
Visual Surface Inspection (miles)	37.8	75.1	120
Repaired (no.)	127	130	----
<b>Air Release Valves (604)</b>			
Inspected / Maintained	188	423	960 to 1,200
Repaired (no.)	88	147	----
<b>Pump &amp; Lift Stations (421)</b>			
Inspections (no.)	17,667	34,881	45,136
Wet wells cleaned	105	232	----
Repaired (no.)	20	46	----
<b>Peak Flow Storage Facilities (2)</b>			
Little Peak site visits	39	77	104
Big Peak site visits	39	77	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 4/1/11 to 6/30/11. 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 April – June 2011</u>
<b>Gravity Collection System (2,460,000ft/10,640MH)</b>			
Lines Cleaned (ft)	17,352	27,750	45,102
CCTV Inspected (ft)	20,465	0	20,465
Smoke Tested (ft)	10,897	0	10,897
Smoke Tested (no. of locations)	4	0	4
Dye Water Flooded (no. of locations)	4	0	4
Manholes Inspected (no.)	32	0	32
Lines Repaired (no.)	440	54	494
MH Rehabbed (no.)	63	11	74
<b>Force Mains (120 miles)</b>			
Visual Surface Inspection (miles)	14.4	0.0	14.4
Repaired (no.)	66	1	67
<b>Air Release Valves (335)</b>			
Inspected / Maintained	72	0	72
Repaired (no.)	0	30	30
<b>Pump &amp; Lift Stations (141)</b>			
Inspections (no.)	5,772	0	5,772
Wet wells cleaned	48	0	48
Repaired (no.)	0	9	9

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 April – June 2011</u>
<b>Gravity Collection System (1,410,000ft/5,760MH)</b>			
Lines Cleaned (ft)	5,464	9,250	14,714
CCTV Inspected (ft)	5,464	0	5,464
Smoke Tested (ft)	1,452	0	1,452
Smoke Tested (no. of locations)	0	0	0
Dye Water Flooded (no. of locations)	0	0	0
Manholes Inspected (no.)	33	0	33
Lines Repaired (no.)	184	82	266
MH Rehabbed (no.)	11	13	24
<b>Force Mains (10 miles)</b>			
Visual Surface Inspection (miles)	0.4	0.0	0.4
Repaired (no.)	13	0	13
<b>Air Release Valves (18)</b>			
Inspected / Maintained	2	0	2
Repaired (no.)	0	2	2
<b>Pump &amp; Lift Stations (21)</b>			
Inspections (no.)	858	0	858
Wet wells cleaned	2	0	2
Repaired (no.)	0	0	0

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 April – June 2011</u>
<b>Gravity Collection System (4,640,000ft/21,580MH)</b>			
Lines Cleaned (ft)	345,567	33,500	379,067
CCTV Inspected (ft)	346,852	0	346,852
Smoke Tested (ft)	4,556	0	4,556
Smoke Tested (no. of locations)	0	0	0
Dye Water Flooded (no. of locations)	0	0	0
Manholes Inspected (no.)	1,695	0	1,695
Lines Repaired (no.)	404	77	481
MH Rehabbed (no.)	56	17	73
<b>Force Mains (110 miles)</b>			
Visual Surface Inspection (miles)	23.0	0.0	23.0
Repaired (no.)	45	2	47
<b>Air Release Valves (251)</b>			
Inspected / Maintained	114	0	114
Repaired (no.)	0	56	56
<b>Pump &amp; Lift Stations (259)</b>			
Inspections (no.)	11,037	0	11,037
Wet wells cleaned	55	0	55
Repaired (no.)	0	11	11
<b>Peak Flow Storage Facilities (2)</b>			
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 19 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.

<b>Summary of Unauthorized Discharges</b>	<b>Number</b>
North Plant-LA0036439 AI# 4843 Collection System	<b>4</b>
Central Plant-LA0036421 AI # 4842 Collection System	<b>5</b>
South Plant-LA0036412 AI# 4841 Collection System	<b>10</b>
<b>Total</b>	<b>19</b>

\*\* 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 4/1/11 to 6/30/11. 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.

<b>Summary of Unauthorized Discharges</b>	<b>Number</b>
North Plant-LA0036439 AI# 4843 Collection System	<b>4</b>
Central Plant-LA0036421 AI # 4842 Collection System	<b>5</b>
South Plant-LA0036412 AI# 4841 Collection System	<b>10</b>
<b>Total</b>	<b>19</b>

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

There were no unusual SSOs, but there were four unauthorized discharges equal to or greater than 100,000 gallons during this reporting period. On April 21, 2011, at the Central Wastewater Treatment Plant a full bypass occurred due to power failure in the surrounding area. An estimated 250,000 gallons of wastewater received no treatment prior to being discharged to the river. The plant electrician reset the switch gears and power was subsequently restored to the plant. The Sanitary Sewer Response Plan was followed during the incident.

On April 26, 2011, an overflow occurred at the South Wastewater Treatment Plant spilling approximately 783,000 gallons of wastewater from the windows of trickling filters Nos. 1 through 4. The wastewater received only primary treatment prior to spilling onto plant grounds. The overflow was due to a power outage in the area and local heavy rainfall. The local utility company (Entergy) restored power and normal operations resumed. The Sanitary Sewer Response Plan was followed during the incident.

An overflow occurred on June 21, 2011 at 7231 Mickens Road (Force Main Line ARV 277-3) spilling approximately 3 million gallons of untreated sewerage to a canal that flowed to Jones Creek. The overflow occurred due to a ruptured force main. A contractor completed repairs to the force main and it is now fully operational. Procedures outlined in the Sanitary Sewer Overflow Response Plan were followed during this incident.

## **Part D – Reporting of Unauthorized Discharges**

On June 22, 2011, an overflow occurred at the Central Wastewater Treatment Plant due to automatic effluent pump failure. An estimated 622,917 gallons of wastewater received primary and secondary treatment prior to overflowing onto plant grounds. Plant operators responded by resetting the automatic effluent pumps. 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 4/1/11 to 6/30/11. 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

1. The City/Parish was in compliance with the South Wastewater Treatment Plant LPDES Permit No. LA0036412 AI# 4841 during the reporting period.
2. The City/Parish was not in compliance with the Central Wastewater Treatment Plant LPDES Permit No. LA0036421 AI# 4842 during the reporting period. The Central Wastewater Treatment Plant (CWWTP) exceeded the permit effluent limits for fecal coliform seven (7) day average for the period shown in the table below. The total amount of stipulated penalties identified for non-compliant activities at the Central Plant during this reporting period is \$2,000. Non-compliance was due to operational issues at the Central Wastewater Treatment Plant.

During this reporting period non-compliance was due a power failure at the plant and chlorinator malfunction. The chlorinator malfunction was repaired and is currently operational. Further noncompliance is not anticipated.

CWWTP	Permit Level	2 <sup>nd</sup> Quarter 2011			Stipulated Penalty		
		April	May	June	# of Occurrences	Per Occurrence	Total
<b>BOD</b>							
7-Day Avg. (mg/l)	45	C	C	C			
Monthly Avg. (mg/l)	30	C	C	C			
Monthly Avg. (lbs/day)	7,906	C	C	C			
Percent Removal	75%	C	C	C			
<b>TSS</b>							
7-Day Avg. (mg/l)	45	C	C	C			
Monthly Avg. (mg/l)	30	C	C	C			
Monthly Avg. (lbs/day)	7,906	C	C	C			
Percent Removal	75%	C	C	C			
<b>TRC</b>							
Daily Max (mg/l)	0.78	C	C	C			
<b>Fecal Coliform</b>							
7-Day Avg. (mg/l)	400 col/100ml	642	C	C	2	\$1,000	\$2,000
		445				\$1,000	
Monthly Avg. (mg/l)	200 col/100ml	C	C	C			
<b>Total</b>							<b>\$2,000</b>

C-Compliance

**Part E - Consent Decree Compliance Status**

3. The City/Parish was not compliance with the North Wastewater Treatment Plant LPDES Permit No. LA0036439 AI# 4843 during the reporting period. The North Wastewater Treatment Plant (NWWTP) exceeded the permit effluent limits for BOD monthly average for the period shown in the table below. The total amount of stipulated penalties identified for non-compliant activities at the North Plant during this reporting period is \$2,500. Non-compliance was due to operational issues at the North Wastewater Treatment Plant.

During this reported period a project to replace the primary clarifier's inlet valves was underway. The project resulted in several basins being out of service during the month of April. The project was completed at the end of April. Further noncompliance is not anticipated.

NWWTP	Permit Level	2 <sup>nd</sup> Quarter 2011			Stipulated Penalty		
		April	May	June	# of Occurrences	Per Occurrence	Total
<b>BOD</b>							
7-Day Avg. (mg/l)	45	C	C	C			
Monthly Avg. (mg/l)	30	32	C	C	1	\$2,500	\$2,500
Monthly Avg. (lbs/day)	13,511	C	C	C			
Percent Removal	75%	C	C	C			
<b>TSS</b>							
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			
<b>TRC</b>							
Daily Max (mg/l)	0.46	C	C	C			
<b>Fecal Coliform</b>							
7-Day Avg. (mg/l)	400 col/100ml	C	C	C			
Monthly Avg. (mg/l)	200 col/100ml	C	C	C			
<b>Total</b>							<b>\$2,500</b>

C-Compliance

The City/Parish  [is]  [is not] in full compliance with Consent Decree for the period 4/1/11 to 6/30/11. If not, see comments above.