



# **Baton Rouge SSO Program**

## **2002 Consent Decree**

Quarterly Report No. 35

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January 26, 2011



## Department of Public Works

City of Baton Rouge  
Parish of East Baton Rouge

Post Office Box 1471  
Baton Rouge, La 70821

January 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-Fifth Quarterly Report - **Period Ending December 31, 2010**

Gentlemen:

Pursuant to Paragraph 51 of the Consent Decree, the City of Baton Rouge and Parish of East Baton Rouge hereby submits the 35<sup>th</sup> Consent Decree Quarterly Report covering activities for the quarter ending December 31, 2010. 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

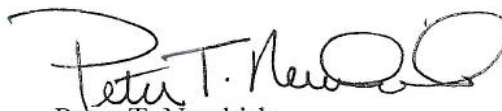
These activities are described in Sections VIII, IX, X, XI, XX and XXI of the Consent Decree.

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 35<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-Fifth 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 that reads "Peter T. Newkirk". The signature is written in a cursive style with a large initial "P" and a stylized "N".

Peter T. Newkirk  
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  
Mr. Harold Leggett, 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  
Mr. Mark LeBlanc  
Mr. Bryan Harmon  
Ms. Cheryl Berry  
Mr. John Ward  
Mr. Garcia Dialekwa  
Ms. Alison Ford  
Ms. Pat Smith

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

2443 River Road  
Baton Rouge, LA 70802

**Date:** January 26, 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-Fifth Quarterly Report – Period Ending December 31, 2010  
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-Fifth 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-Fifth 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.



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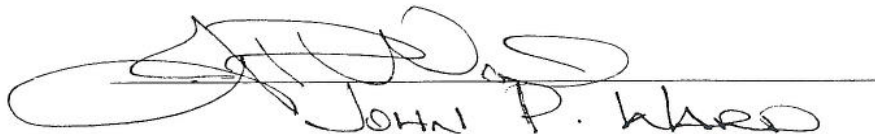
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JOHN P. WARD

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Baton Rouge, LA 70802

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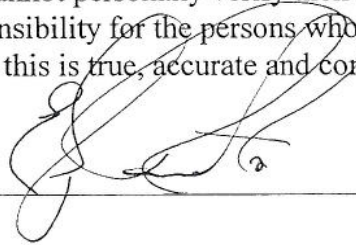
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# 35<sup>th</sup> Quarterly Report Executive Summary

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## 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 that took place during the quarter ending December 31, 2010.

## Report Organization

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

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

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

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

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

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

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

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

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

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

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

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

## Summary of Regulatory Actions (Quarter Ending December 20, 2010)

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 34<sup>th</sup> Quarterly EPA Report (report data from period ending September 30, 2010) on October 25, 2010.

## Pending Action Items

- EPA to forward their list of citizen complaints to the City/Parish in order for the City/Parish to compare complaints from the 311 system and document follow-up actions.

## 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.

TABLE 1 DOJ, EPA and LDEQ Submittal History		
Name	Date Submitted	Additional Information
Sewer System Model Verification and Revised Second Remedial Action Plan	November 2006	Submittal of CDM's 2005 RMAP2 Report with changes in the South WWTP Projects
Addressing Existing Noncompliance Issues and Future Wet Weather Flow Management Requirements at the South WWTP	January 2007	Summary of findings/ recommendations for the South WWTP
EPA RMAP2 Approval Letter	July 2007	EPA Letter Approving November 2006 Submittal and South WWTP recommendations. Disapproved interim limits and left for further discussion the time extension request due to hurricanes
South WWTP Summary of Immediate Action Plan Projects	October 2007	Summary of IAP projects to date, per EPA phone request on October 12, 2008
EPA RMAP1 Project Status Report	December 2007	Summary of RMAP1 projects to date, including request for time extension
EPA Prioritization Submittal	April 2008	Summary of program/RMAP2 prioritization, maps, draft milestones, per EPA phone request on February 12, 2008
EPA Memorandum - Consolidation of South and Central Wastewater Treatment Plants in Baton Rouge, Louisiana	August 2008	City/Parish request "no objection" for the retirement of the Central WWTP
Request for Modification to the Approved RMAP2 Submittal - Second Remedial	September 2008	City/Parish formal RMAP2 Submittal



**TABLE 1**  
DOJ, EPA and LDEQ Submittal History

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

As of December 31, 2010 there have been 47 Consent Decree reporting deliverables submitted on or ahead of schedule. The reporting details are shown in Table 2 below.

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

	Deadline	Completion	Resubmission/ Update
Quarterly Reports			
	35th	31-Jan-10	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
	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

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

	Deadline	Completion	Resubmission/ Update
Quarterly Reports			
	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
	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
	SEP Completion Report	15-Sep-04	10-Sep-04
	Failure to Submit Timely and Complete 2 <sup>nd</sup> RMAP Report	1-Dec-02	20-Nov-02
			8-Sep-08



## 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 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 City/Parish and CH2M HILL are actively moving forward with the execution of the remaining RMAP1 projects included herein.

The current status of the RMAP1 projects in progress is presented in Table 3 below and is current through December 31, 2010. Through the end of 2010, 13 of the 14 RMAP1 projects are substantially completed and were done either on, or ahead of schedule. The final project (RMAP1 - Industriplex) of this type has had several issues come up pertaining to utility conflicts and easement acquisition that has caused significant delays. It is expected that this project will be completed in early 2011. It is anticipated that an RMAP1 Completion Report will be submitted to the DOJ/EPA/LDEQ per in the months following RMAP1 project completion. For more details about the RMAP1 projects, or the RMAP1 milestone schedules can be found in the *Second Remedial Measures Action Plan (RMAP2) Submittal for the Baton Rouge Sanitary Sewer Overflow Control and Wastewater Facilities Program* (September 2008) included in the *April 2009 Agreement and Order Regarding Modification of the Consent Decree*.

**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				
N-05 PS 24 Area Upgrades	*PS 24/43 Area Upgrade (01-RMP-N05)	✓		
N-06 PS 43 Area Upgrades				
N-09 PS 44/46 Area Upgrades	PS 44/46 Area Upgrades (01-RMP-N09)	✓		
N-10 PS 240 Area Upgrades	PS 240 Area Upgrades (01-RMP-N10)	✓		
***N-99 North Further Investigations	NTSN SS Eval. Study (99-RMP-N-99)	✓		
	**Bellingrath Rehab. (03-RMP-N14) (NSRP)	✓		
	**Frenchtown Road Sewer Rehab. (03-RMP-N15)	✓		
	**North Area Comprehensive Rehab. (03-RMP-N23)	✓		
	**PS 45 Area Rehab. (00-RMP-N31)	✓		
C-03 PS 2 Area Rehabilitation	PS 2 Area Upgrades (01-RMP-C03)	✓		
S-01B SWWTP Influent PS	SSO SWWTP Infl. PS Upgrade (99-RMP-SO1B)	✓		
S-11 PS 40 Area Rehabilitation	S-11 PS 40 Area Rehabilitation	✓		
***S-99 South Further Investigations	SSO Engr-South (99-RMP-S99)	✓		
	PS 944 Area Upgrade Grv Sewer (99-RMP-S99)	✓		
	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.



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 Corresponding City/Parish Projects		Complete	Complete	
Consent Decree Projects	Corresponding City/Parish Projects			
RMAP1 Projects				
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	Construction is approximately 98% complete and is on-going. This project has had delays early on in the construction phase due to land acquisition issues and utility conflicts. It is expected that this project will be completed sometime during the 1 <sup>st</sup> quarter 2011.
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> Construction completed. Final change order approved.
*Notes: This project was executed as a combination of two RMAP1 projects				
**Notes: These projects were added as RMAP1 projects by the City/Parish after entry into the Consent Decree				
***Notes: This RMAP1 project was split up into multiple projects for better execution				

## RMAP2 Project Descriptions and Schedule for Completion

The City/Parish and CH2M HILL are actively moving forward with the execution of the RMAP2 projects included herein, as outlined in the April 2009 Consent Decree Modification by DOJ, EPA, and LDEQ that adopts the corresponding *Second Remedial Measures Action Plan (RMAP2) Submittal for the Baton Rouge Sanitary Sewer Overflow Control and Wastewater Facilities Program* (September 2008). 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.

As of December 31, 2010 there are 7 RMAP2 projects functionally completed (ahead of schedule), 25 projects under construction and 33 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, 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:



- **Generator Program** – the Generator Project will virtually eliminate problems from SSOs caused by power outages at the 400+ pump stations in the system, by providing stand-by power at the pump stations. The Generator Program consists of installing generators (or emergency stand-by power) 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.
- **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 since the operations data & alarms will be communicated via telemetry to a centralized operations center allowing flow control to anticipate and reduce the possibility of overflows and/or reduce their severity. This should help City/Parish staff quickly respond to mechanical and electrical problems at the pump stations. Most stations will only get remote monitoring in the SCADA project since the operations data & alarms will be communicated via telemetry to a centralized operations center. The large stations that pump directly to the plants will have remote monitoring & controls to manage flows.
- **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 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.
- **North Wastewater Treatment Plant Odor Control Project** - the North WWTP Odor Control Project is designed to minimize odors from the WWTP.
- **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.

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, and project deletions) 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. However 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 annual PDP update is again underway for the year ending in 2010. So far, several upcoming projects 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. Once the changes get approved by the City/Parish (which is expected sometime during the first quarter of 2011) they will be incorporated into the 2010 PDP Update and the next upcoming Quarterly and Annual EPA Reports in 2011.

The RMAP2 projects are separated into three categories with descriptions and schedules provided for all projects, current through December 31, 2010.

### Category 1: Comprehensive Sewer Basin Rehabilitation

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

Table 4 presents the Category 1 comprehensive rehabilitation sub-basin projects and anticipated delivery milestone schedules. Project status summaries are provided for those projects already underway, current through December 31, 2010.

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> Working on planned cost summary.
<b>Oak Villa Blvd - Choctaw Street</b>	✓			Now called "Oak Villa –Choctaw Street Area Rehabilitation Project". Construction approximately 93% completed and on-going.
<b>Scotland Avenue - Progress Road</b>	✓			Now called "Scotland Avenue – Progress Road Area Rehabilitation Project". Construction approximately 70% complete and on-going.
<b>Elm Grove Garden Road - Harding Blvd</b>	✓			Now called "Elm Grove Garden Road – Harding Boulevard Area Rehabilitation Project". Construction 37% complete and on-going.
<b>Sharp Road - Florida Blvd</b>	✓			Now called "Sharp Road – Florida Boulevard Area Rehabilitation Project". NTP issued. Construction 3% complete and on-going.
<b>Kenilworth Blvd - Boone Drive</b>	✓			Now called "Kenilworth Boulevard – Boone Drive Area Rehabilitation Project". Construction contract awarded. NTP expected to be issued 1 <sup>st</sup> quarter 2011.



TABLE 4				
EPA Consent Decree RMAP2 Milestones for Category 1 Projects				
All RMAP2 Projects Will Have Milestone Completion Design Dates - 3rd Quarter 2013				
	33% Construction Milestone	66% Construction Milestone	100% Construction Milestone	Project Status Summary
Milestone Date	4th QTR 2012	1st QTR 2014	4th QTR 2014	
Construction Status	Construction Functionally Complete	Construction Functionally Complete	Construction Functionally Complete	
Project Descriptions				
RMAP2 Projects				
Foster Drive - Government Street	✓			Project split into 2 phases for ease of management. 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 – Construction contract awarded and NTP issued. Construction 30% complete and on-going. Phase B – Construction contract awarded. NTP for construction expected 1 <sup>st</sup> quarter 2011.
Silverleaf Road - Ford Street	✓			Now called "Silverleaf Road – Ford Street Area Rehabilitation Project". 90% design completed and reviewed. Final design expected to be completed and advertisement for bids expected 1 <sup>st</sup> quarter 2011.
Brookstown Road - Evangeline Street	✓			Project split up into 2 phases for ease of management. Overall scope the same. Now called "Brookstown Road - Evangeline Street Phase I Area Rehabilitation Project" and "Brookstown Road – Evangeline Street Phase II Area Rehabilitation Project". Phase I –Construction contract awarded. NTP expected 1 <sup>st</sup> quarter 2011. Phase II –Final design completed. Construction contract awarded. NTP expected 1 <sup>st</sup> quarter 2011.
Bluebonnet Blvd - Jefferson Hwy		✓		Project split up into 2 phases for ease of execution. Overall scope the same. Now called "Bluebonnet Blvd – Jefferson Hwy Phase I Area Rehabilitation Project" and "Bluebonnet Blvd – Jefferson Hwy Phase II Area Rehabilitation Project". Phase I –Survey completed. 90% design submitted and reviewed. Final design expected to be completed 1 <sup>st</sup> quarter 2011. Phase II – Basin characterization report completed. NTP for design issued. 60% survey completed. 90% design expected 1 <sup>st</sup> quarter 2011.
Highland Road - Washington Street	✓			Now called "Highland Road – Washington Street Area Rehabilitation Project". Data analysis and basin characterization report expected to be completed early 2 <sup>nd</sup> quarter 2011.
Stanford Avenue - Morning Glory Road	✓			Now called "Stanford Avenue – Morning Glory Road Area Rehabilitation Project". Data analysis and basin characterization report expected to be completed late 1 <sup>st</sup> quarter 2011. Survey expected to be completed 1 <sup>st</sup> quarter 2011. Design NTP expected 1 <sup>st</sup> quarter 2011.
Airline Highway - Goodwood Blvd		✓		Project split up into 2 phases for ease of execution. Overall scope the same. Now called "Airline Highway – Goodwood Blvd Phase I Area Rehabilitation Project" and "Airline Highway – Goodwood Blvd Phase II Area Rehabilitation

TABLE 4				
EPA Consent Decree RMAP2 Milestones for Category 1 Projects				
All RMAP2 Projects Will Have Milestone Completion Design Dates - 3rd Quarter 2013				
	33% Construction Milestone	66% Construction Milestone	100% Construction Milestone	Project Status Summary
Milestone Date	4th QTR 2012	1st QTR 2014	4th QTR 2014	
Construction Status	Construction Functionally Complete	Construction Functionally Complete	Construction Functionally Complete	
Project Descriptions				
RMAP2 Projects				
				Project"
Acadian Thruway - Claycut Road	✓			Now called "Acadian Thruway – Claycut Road Area Rehabilitation Project". Data analysis and basin characterization report expected to be completed 1 <sup>st</sup> quarter 2011. Survey expected to be completed early 2 <sup>nd</sup> quarter 2011. Design NTP expected 2 <sup>nd</sup> quarter 2011.
Acadian Thruway - Perkins Road	✓			Now called "Acadian Thruway – Perkins Road Area Rehabilitation Project". Data analysis and basin characterization report underway. Basin characterization report expected to be completed 1 <sup>st</sup> quarter 2011. Survey expected to be completed early 1 <sup>st</sup> quarter 2011. Design NTP and design completion expected 1 <sup>st</sup> quarter 2011.
Antioch Road - Chadsford Drive		✓		Now called "Antioch Road – Chadsford Drive Area Rehabilitation Project".
Jones Creek Road - Tiger Bend Road		✓		Now call "Jones Creek Road – Tiger Bend Road Area Rehabilitation Project".
Scenic Highway - Spanish Town Road			✓	Project split up into 2 phases for ease of execution. Overall scope the same. Now called "Scenic Highway – Spanish Town Road Phase I Area Rehabilitation Project" and "Scenic Highway – Spanish Town Road Phase II Area Rehabilitation Project".
Siegen Lane - Interstate 10		✓		Now called "Siegen Lane – Interstate 10 Area Rehabilitation Project".
Interstate 110 - Hollywood Street		✓		Now called "Interstate 110 – Hollywood Street Area Rehabilitation Project".
Ardenwood Drive - Winbourne Street			✓	Now called "Ardenwood Drive – Winbourne Street Area Rehabilitation Project".
Flannery Road - Florida Blvd			✓	Now called "Flannery Road – Florida Boulevard Area Rehabilitation Project".
East Boulevard - Government Street			✓	Now called "East Boulevard – Government Street Area Rehabilitation Project".
North 38th Street - Gus Young Avenue			✓	Now called "North 38 <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 December 31, 2010.

TABLE 5				
EPA Consent Decree RMAP Milestones for Category 2 Projects				
<i>All RMAP2 Projects Will Have Milestone Completion Design Dates - 3rd Quarter 2013</i>				
	33% Construction Milestone	66% Construction Milestone	100% Construction Milestone	Project Status Summary
Milestone Date	4th QTR 2012	1st QTR 2014	4th QTR 2014	
Construction Status	Construction Functionally Complete	Construction Functionally Complete	Construction Functionally Complete	
Project Descriptions				
RMAP2 Projects				
Capitol Lake Drive - Gayosa Street	✓			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 contractor selected and NTP for construction has been issued. Appraisal work in progress. Construction expected to begin 1 <sup>st</sup> quarter 2011.
Gurney Road - Joor Road	✓			<b>Project completed – 4<sup>th</sup> quarter 2009.</b>
Multiple Pump Stations - Lovett Road Area	✓			Also called "Sullivan Rd./Lovett Rd./Max Rd. Sewer Upgrades". Approximately 91% completed with construction. Smaller than designed pumps were required to be installed until the downstream projects are completed, causing slight delay that at this time shouldn't affect EPA milestone schedule. Construction on-going.
Comite Road - Foster Road	✓			Now called "Comite Road – Foster Road Sewer Area Upgrades - Phase I". Phase I – <b>Project completed – 2<sup>nd</sup> quarter 2010.</b> Final change order under review/approval.  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. Phase II Construction began at the end of March. Construction is 76% completed and is on-going.
Foster Road - Hooper Road	✓			Now called "Foster Road – Hooper Road Sewer Area Upgrade". <b>Project completed – 4<sup>th</sup> quarter 2010.</b>

TABLE 5				
EPA Consent Decree RMAP Milestones for Category 2 Projects				
All RMAP2 Projects Will Have Milestone Completion Design Dates - 3rd Quarter 2013				
	33% Construction Milestone	66% Construction Milestone	100% Construction Milestone	Project Status Summary
Milestone Date	4th QTR 2012	1st QTR 2014	4th QTR 2014	
Construction Status	Construction Functionally Complete	Construction Functionally Complete	Construction Functionally Complete	
Project Descriptions				
RMAP2 Projects				
Zachary Area Transmission Network Improvements		✓		<p>Project has been split up into 4 phases for ease of execution (Previously called Red Mud Lakes and Hwy 61 Zachary/Baker). Now called "Zachary Area Transmission Network Improvements: Phase I - 3 Pump Stations and Equalization Basin, Phase II – Red Mud Lakes Forcemain to NWWTP, Phase III – Forcemain to Highway 964 to Red Mud Lakes, Phase IV – Zachary Improvements".</p> <p>Phase I –Construction contract awarded. Construction NTP expected in 1<sup>st</sup> quarter 2011.</p> <p>Phase II –Final design completed, though advertisement for bids on hold due to land acquisition issues. Advertisement expected 2nd quarter 2011.</p> <p>Phase III – Construction contract awarded. Construction NTP expected 1<sup>st</sup> quarter 2011.</p> <p>Phase IV – Construction contract awarded. Construction NTP expected 1<sup>st</sup> quarter 2011.</p>
South Boulevard - St. Joseph Street	✓			<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 2 % completed and is on-going.</p>
Downtown Area - PS59 Improvements	✓			<p>Now called "Downtown Area Pump Station Improvements". Project merged with Downtown Area PS15, PS19, and PS60 Improvements. Significant scope addition to project. Construction contract awarded. NTP for construction expected 1<sup>st</sup> quarter 2011.</p>
Downtown Area - PS15, PS19 & PS60 Improvements	✓			<p>Now called "Downtown Area Pump Station Improvements". Project merged with Downtown Area PS15, PS19, and PS60 Improvements. Significant scope addition to project. . Construction contract awarded. NTP for construction expected 1<sup>st</sup> quarter 2011.</p>
Highland Road - Buchanan Street	✓			<p>Now called "Highland Road – Buchanan Street Sewer Area Upgrades". Construction approximately 28% completed and is on-going.</p>
Citiplace/Essen Area - PS119 & Forcemain Improvements	✓			<p>Construction NTP expected 1<sup>st</sup> quarter 2011.</p>
North Capacity Group 1A - Veterans Memorial Parkway - Gravity Mains		✓		<p>Now called "Group Project 1A (Metro Airport Sewer Upgrades)". Construction contract awarded. Construction NTP expected 1<sup>st</sup> quarter 2011.</p>



TABLE 5				
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	33% Construction Milestone	66% Construction Milestone	100% Construction Milestone	Project Status Summary
Milestone Date	4th QTR 2012	1st QTR 2014	4th QTR 2014	
Construction Status	Construction Functionally Complete	Construction Functionally Complete	Construction Functionally Complete	
Project Descriptions				
RMAP2 Projects				
North Capacity Group 1B - Veterans Memorial Parkway - PS and FM		✓		Also called "Group Project 1B (Metro Airport Sewer Area Pump Station & Forcemain Upgrades)". Significant scope addition to project. Final design expected early 1 <sup>st</sup> quarter 2011. Advertisement for bids expected 1 <sup>st</sup> quarter 2011. Design on-going.
Perkins/Old Perkins Area - Booster PS 514 Improvements		✓		90% design submitted and under review. Final design expected to be submitted early 1 <sup>st</sup> quarter 2011. Advertisement for bids expected 1 <sup>st</sup> quarter 2011. Design on-going.
Group 2 - Small Pump Stations	✓			Now called "Group Project 2 (Old Perkins – Highland Road Area Upgrades)". Construction approximately 10% completed and on-going.
Highland Road - Burbank Drive	✓			Now called "Highland Road – Burbank Drive Capacity Improvements". Working out utility coordination issues. Construction contract awarded. Construction NTP expected 1 <sup>st</sup> quarter 2011.
Nicholson Dr - Highland Rd - Perkins Rd		✓		Now called "Nicholson Drive – Highland Road – Perkins Road Capacity Improvements Phase A" and "Nicholson Drive – Highland Road – Perkins Road Capacity Improvements Phase B". Note that a portion of this project (25%) has been separated out into phase A for early construction to eliminate conflicts.  Phase A – Construction contract awarded. Construction NTP expected 1 <sup>st</sup> quarter 2011.  Phase B – 60% design completed and reviewed. 90% design expected to be submitted 1 <sup>st</sup> quarter 2011.
Perkins Road - Dahlia Street		✓		Now called "Bayou Duplantier Area Sewer Upgrades". 60% design submitted and reviewed. 90% design submitted and is under review. Final design expected to be completed 1 <sup>st</sup> quarter 2011.
25th Street - North Acadian Thruway	✓			Final design submitted and reviewed. NOTE: Portions of this project to be bid with both the Capital Lake – Gayosa Drive Project, and the South Blvd. – St. Joseph Street Project to eliminate construction conflicts. Since design of 25 <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.
Government St - South Acadian Thruway		✓		90% design expected to be submitted 1 <sup>st</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				
Plank Road - Kleinpeter Road		✓		Now called "Plank Road – Kleinpeter Road Sewer Area Upgrades". 90% design submitted and is currently under review. Final design expected to be submitted 1 <sup>st</sup> quarter 2011. Design on-going.
O'Neal Lane - Jones Creek Road		✓		Now called "O'Neal Lane Pipeline Improvements". Project merged with O'Neal Lane – Tiger Bend Road project for ease of management and limit construction disruption in the area. 15% design submitted. 30% design expected to be submitted 1 <sup>st</sup> quarter 2011. Design on-going.
O'Neal Lane - Tiger Bend Road		✓		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. 15% design submitted. 30% design expected to be submitted 1 <sup>st</sup> quarter 2011. Design on-going.
Multiple PS - Nicholson Dr - Brightside Dr		✓		60% design submitted and reviewed. 90% design expected to be submitted 1 <sup>st</sup> quarter 2011. Design on-going.
PS 58A Overflow Pump Station		✓		Now called "Pump Station 58 Capacity Improvements". 90% design submitted and reviewed. Final design expected to be completed 1 <sup>st</sup> quarter 2011. Design on-going.
Staring Lane FM A - Burbank to Highland	✓			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> , though \$3 million dollar construction claim pending.
Staring Lane FM B – PS58 Improvements (Highland to Perkins)	✓			Now called "Staring Lane FM (Phase II - Highland road to Perkins Road)". Project to be constructed with City's Green Light Program project to eliminate potential constructability issues arising in that area. Construction contract awarded. NTP for construction expected 1 <sup>st</sup> quarter 2011.
Staring Lane FM C - Perkins to PS 58		✓		Now called "Staring Lane FM (Phase III - Perkins to PS58)". 60% design submitted and reviewed. 90% design expected to be submitted 1 <sup>st</sup> quarter 2011. Design on-going.
Multiple PS - Jefferson Hwy - Park Forest Dr		✓		90% design submitted and reviewed. Final design submitted. Advertisement for bids expected to begin early 1 <sup>st</sup> quarter 2011.



TABLE 5				
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<i>All RMAP2 Projects Will Have Milestone Completion Design Dates - 3rd Quarter 2013</i>				
	33% Construction Milestone	66% Construction Milestone	100% Construction Milestone	Project Status Summary
Milestone Date	4th QTR 2012	1st QTR 2014	4th QTR 2014	
Construction Status	Construction Functionally Complete	Construction Functionally Complete	Construction Functionally Complete	
Project Descriptions				
RMAP2 Projects				
Airline Highway - Jefferson Highway		✓		Now called "Airline Highway Pipeline Improvements". Project merged with both the Essen Lane – Interstate 12 project and the Airline Highway – Interstate 12 project for ease of management and to eliminate construction sequencing issues. 15% design submitted. 30% design expected to be submitted 1 <sup>st</sup> quarter 2011.
Essen Lane - Interstate 12			✓	Now called "Airline Highway Pipeline Improvements". Project merged with both the Airline Highway – Jefferson Highway project and Airline Highway – Interstate 12 project for ease of management and to eliminate construction sequencing issues. 15% design submitted. 30% design expected to be submitted 1 <sup>st</sup> quarter 2011.
Multiple PS - Highland Road - Kenilworth Parkway			✓	Design NTP issued. 15% design is expected to be submitted 1 <sup>st</sup> quarter 2011.
Multiple PS - Florida Blvd - Sherwood Forest Blvd			✓	Now called "Florida Boulevard Pump Station Improvements". Project merged with Airline/Florida Boulevard Area – PS30 Improvements & New PS project for ease of management and to eliminate construction sequencing issues. Project definition underway. Design consultant selection expected 1 <sup>st</sup> quarter 2011.
Multiple PS - Plank Road - Thomas Road			✓	Now called "Plank Road PS Projects". Project merged with Multiple PS – Plank Road – Harding Boulevard project for ease of management and to eliminate construction sequencing issues.
Multiple PS - Plank Road - Harding Boulevard			✓	Now called "Plank Road PS Projects". Project merged with Multiple PS – Plank Road – Thomas Road project for ease of management and to eliminate construction sequencing issues.
Multiple PS - Highway 61 - Plank Road			✓	



TABLE 5				
EPA Consent Decree RMAP Milestones for Category 2 Projects				
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Milestone Date	4th QTR 2012	1st QTR 2014	4th QTR 2014	
Construction Status	Construction Functionally Complete	Construction Functionally Complete	Construction Functionally Complete	
Project Descriptions				
RMAP2 Projects				
Multiple PS - Jones Creek Rd - Tiger Bend Rd			✓	Project now split into 2 projects for ease of construction. Now called "O'Neal Lane Pump Station A" and "O'Neal Lane Pump Station B". Was previously called "O'Neal Lane Pump Station Improvements" which was a project that was created from merging 3 projects that included this project and both the Multiple PS – O'Neal Ln – S. Harrells Ferry Rd project and the Multiple PS – O'Neal Ln. – Interstate 10 project for ease of management and to eliminate construction sequencing issues.  O'Neal Lane Pump Station A - Design contract awarded. NTP issued. Design on-going.  O'Neal Lane Pump Station B -. Design contract awarded. NTP issued. Design on-going.
Airline Highway - Interstate 12			✓	Now called "Airline Highway Pipeline Improvements". Project merged with both the Airline Highway – Jefferson Highway project and the Essen Lane – Interstate 12 project for ease of management and to eliminate construction sequencing issues. 15% design submitted. 30% design expected to be submitted 1 <sup>st</sup> quarter 2011.
Florida Boulevard - Sherwood Forest Boulevard			✓	Now called "Sherwood Forest Blvd – Goodwood Blvd Pipeline Projects". Project merged with Florida Boulevard - Sherwood Forest Boulevard project for ease of management and to eliminate construction sequencing issues. Project definition underway. Design consultant selection expected 1 <sup>st</sup> quarter 2011.
Goodwood Boulevard - South Flannery Road			✓	Now called "Sherwood Forest Blvd – Goodwood Blvd Pipeline Projects". Project merged with Goodwood Boulevard – South Flannery Road project for ease of management and to eliminate construction sequencing issues. Project definition underway. Design consultant selection expected 1 <sup>st</sup> quarter 2011.
Joor Road - Greenwell Springs Road			✓	
Plank Road - Port Hudson Pride Road			✓	
Essen Lane - Highland Road			✓	Now called "Highland Road Pipeline Projects". Project merged with Highland Road – Lee Drive project for ease of management and to eliminate construction sequencing issues. Project definition underway. Design consultant selection expected 1 <sup>st</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				
	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				
Oak Villa Boulevard - Monterey Boulevard			✓	
Lovett Road - Greenwell Springs Road			✓	Design consultant selected. Design consultant NTP expected 1 <sup>st</sup> quarter 2011.
Highland Road - Lee Drive			✓	Now called "Highland Road Pipeline Projects". Project merged with Essen Lane - Highland Road project for ease of management and to eliminate construction sequencing issues. Project definition underway. Design consultant selection expected 1 <sup>st</sup> quarter 2011.
Multiple PS - Hooper Rd - Greenwell Springs Rd			✓	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. Design consultant NTP expected to be issued 1 <sup>st</sup> quarter 2011. Design on-going.
Multiple Booster PS - Hooper Rd - Lovett Rd			✓	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. Design consultant NTP expected to be issued 1 <sup>st</sup> quarter 2011. Design on-going.
Multiple PS - Prescott Rd - Greenwell Springs Rd			✓	
Multiple PS - O'Neal Ln – Interstate 10			✓	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 - Jones Creek Rd - Tiger Bend Rd project for ease of management and to eliminate construction sequencing issues. O'Neal Lane Pump Station A - Design consultant NTP expected 1 <sup>st</sup> quarter 2011. O'Neal Lane Pump Station B - Design consultant NTP expected 1 <sup>st</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				
	33% Construction Milestone	66% Construction Milestone	100% Construction Milestone	Project Status Summary
Milestone Date	4th QTR 2012	1st QTR 2014	4th QTR 2014	
Construction Status	Construction Functionally Complete	Construction Functionally Complete	Construction Functionally Complete	
Project Descriptions				
RMAP2 Projects				
Multiple PS - O'Neal Ln - S. Harrells Ferry Rd			✓	Project now split into 2 projects for ease of construction. Now called "O'Neal Lane Pump Station A" and "O'Neal Lane Pump Station B". Was previously called "O'Neal Lane Pump Station Improvements" which was a project that was created from merging 3 projects that included this project and both the Multiple PS - O'Neal Ln - Interstate 10 project and the Multiple PS - Jones Creek Rd - Tiger Bend Rd project for ease of management and to eliminate construction sequencing issues.  O'Neal Lane Pump Station A - Design consultant NTP expected 1 <sup>st</sup> quarter 2011.  O'Neal Lane Pump Station B -. Design consultant NTP expected 1 <sup>st</sup> quarter 2011.
Airline/Florida Boulevard Area - PS30 Improvements & New PS			✓	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 selection expected 1 <sup>st</sup> quarter 2011.
Multiple PS - Burbank Drive - Siegen Lane			✓	
Central Consolidation - Central PS42		✓		Now called "Pump Station 42". Design scope change completed. 90% design expected to be submitted 1 <sup>st</sup> quarter 2011. Value engineering effort underway. Design on-going.
Central Consolidation - Central PS42 FM		✓		Now called "Pump Station 42 Forcemain". LSU board approved route through campus. 90% design submitted and reviewed. Final design expected to be submitted 1 <sup>st</sup> quarter 2011. Design on-going.
Central Consolidation Eastside PS's - PS 2, 3, 4, 5, 6, 7, & 10		✓		Now called "Central Consolidated Pump Stations". 60% design submitted and reviewed. 90% design expected to be submitted 1 <sup>st</sup> quarter 2011. Design on-going.
Central Consolidation Eastside FM's - FM from PS 2, 3, 7, 10, & 5		✓		Now called "Central Consolidated FM". 90% design submitted and reviewed. Final design expected to be completed 1 <sup>st</sup> quarter 2011. Design on-going.

### Category 3: Wastewater Treatment and Storage

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

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

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

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

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

- Choctaw Storage Facility
- Hooper Storage Facility

These storage projects are part of the transmission system which permits retainage of wet weather peak flows. All five (5) total projects of this type are already underway. The details of the wastewater treatment and storage projects are listed in Table 6 below, and are current through December 31, 2010.

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". Construction contract awarded. NTP construction expected 1 <sup>st</sup> quarter 2011.
Hooper Storage	✓			60% design submitted and review completed. 90% design expected to be completed 1 <sup>st</sup> quarter 2011. Note that project has had significant delays early on due to land acquisition issues. Location has changed 3 times as a result.
South WWTP IAP Consolidated – Screening, Primary Treatment, Trickling Filter Recirculation, Sludge Handling	✓			Construction is approximately 90% complete and is on-going.



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				
South WWTP IAP- Effluent Pumping Improvements	✓			Project completed – 1 <sup>st</sup> quarter 2008.
South WWTP - Phase 1		✓		Also called "SwwTP Wet Weather Improvements - Phase I". Construction is approximately 30% complete and is on-going.
South WWTP - Phase 2			✓	Also called "SwwTP Wet Weather Improvements - Phase II". 90% design submitted and is being reviewed. Final design expected to be submitted 1 <sup>st</sup> quarter 2011. Design on-going.

## 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 during the 4<sup>th</sup> Quarter of 2010. It is currently in the process of being reviewed by the City/Parish and once approved will be submitted to the EPA and LDEQ for review and approval in the next 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 December 31, 2010 the following outreach and public awareness activities took place:

October 2010

October 25: Attended Councilwoman Ronnie Edwards, District 5 Advisory Council Meeting at Glen Oaks Baptist Church. Approximately 25 people were in attendance. One of the scheduled agenda items was the status of the SSO Program.

December 2010

December 2: Attended the monthly District 6 community meeting. This meeting was atypical from the normal agenda-lead meetings in that no guest speakers were asked to speak. Instead the meeting was toy drive community event for underprivileged children in District 6.



**Baton Rouge 2002 Consent Decree Quarterly Report**  
**Summary of Activity Totals**  
**October 1 - December 31, 2010**

Summary of Activities	1st Quarter (32)		2nd Quarter (33)		3rd Quarter (34)		4th Quarter (35)		Totals		
	32th Quarterly Total	Cum. % Complete	33th Quarterly Total	Cum. % Complete	34th Quarterly Total	Cum. % Complete	35th Quarterly Total	Cum. % Complete	Cum. Annual Total	Cum. % Complete	Annual Goal
<b>Gravity Collection System (8,510,000ft/38,000MH)</b>											
Lines Cleaned (ft)	408,304	72%	513,796	162%	266,488	209%	252,192	253%	1,440,780	253%	570,000
CCTV Inspected (ft)	264,398	46%	419,222	120%	210,988	157%	164,195	186%	1,058,803	186%	570,000
Smoke Tested (ft)	133,953		251,886		131,243		12,658		529,740		----
Smoke Tested (no. of locations)	7		2		7		3		19		----
Dye Water Flooded (no. of locations)	7		2		7		3		19		----
Manholes Inspected (no.)	1,814	73%	1,395	128%	1,299	180%	1,026	221%	5,534	221%	2,500
Lines Repaired (no.)	656		858		578		934		3,026		----
MH Rehabbed (no.)	358		358		305		181		1,202		----
<b>Force Mains (240 miles)</b>											
Visual Surface Inspection (miles)	50.5	42%	47.8	82%	40.5	116%	49.5	157%	188.3	157%	120
Repaired (no.)	29		5		10		7		51		----
<b>Air Release Valves (604)</b>											
Inspected/Maintained	315	33%	301	64%	274	93%	312	125%	1,202	125%	960 to 1,200
Repaired (no.)	145		183		134		149		611		----
<b>Pump &amp; Lift Stations (421)</b>											
Inspections (no.)	17,214	38%	17,667	77%	17,667	116%	18,120	157%	70,668	157%	45,136
Wet wells cleaned	151		158		162		29		500		----
Repaired (no.)	21		26		17		19		83		----
<b>Peak Flow Storage Facilities (2)</b>											
Little Peak site visits	38	37%	39	74%	39	112%	40	150%	156	150%	104
Big Peak site visits	38	37%	39	74%	39	112%	40	150%	156	150%	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  
October 1 -December 31, 2010

North Plant- LA0036439

Summary of Activities	3rd Quarter (EPA Report No. 34)					4th Quarter (EPA Report No.35)						
	WWC (w/AMP) (Route.) (Corr.)	WWC-PS (Route.) (Corr.)	Field Engr. (Route.)	Field Engr.- (Route.)	Quarterly Total	*Cum. % Complete	WWC (w/AMP) (Route.) (Corr.)	WWC-PS (Route.) (Corr.)	Field Engr. (Route.)	Field Engr.- (Route.)	Quarterly Total	*Cum. % Complete
<b>Gravity Collection System</b>												
(2,460,000ft/10,640MH)												
Lines Cleaned (ft)	22,500		12,271	12,271	34,771	58%	35,750				35,750	64%
CCTV Inspected (ft)			0	12,271	12,271	42%			4,097		4,097	43%
Smoke Tested (ft)			0	0	0						0	
Smoke Tested (no. of locations)			0	0	0						0	
Dye Water Flooded (no. of locations)			0	0	0						0	44%
Manholes Inspected (no.)	70		0	243	313	44%	75			312	387	
Lines Repaired (no.)	10		6	6	16		11			14	25	
MH Rehabbed (no.)			0	0	0						0	
<b>Force Mains (120 miles)</b>												
Visual Surface Inspection (miles)		21.1			21.1	69%		27.2		1	27.2	92%
Repaired (no.)	3				3		2				3	
<b>Air Release Valves (335)</b>												
Inspected/Maintained		133			133	52%		172			172	70%
Repaired (no.)					75			82			82	
<b>Pump &amp; Lift Stations (141)</b>												
Inspections (no.)					0						0	
Wet wells cleaned		5,772			5,772	38%		5,920			5,920	51%
Repaired (no.)		73			73			15			15	
					4			10			13	

Route-Routine Maintenance  
Corr.-Corrective Maintenance



Baton Rouge 2002 Consent Decree Quarterly Report  
Preventive Maintenance Plan Summary Totals  
October 1 - December 31, 2010

Central Plant-LA0036421

Summary of Activities	3rd Quarter (EPA Report No. 34)						4th Quarter (EPA Report No. 34)							
	WWC (w/AMP)		WWC-PS		Field Engr.-		WWC (w/AMP)		WWC-PS		Field Engr.-		Quarterly Total	*Cum. % Complete
	(Rout.)	(Corr.)	(Rout.)	(Corr.)	(Rout.)	(Rout.)	(Rout.)	(Corr.)	(Rout.)	(Rout.)	(Rout.)	(Rout.)		
Gravity Collection System (1,410,000/5,760MH)														
Lines Cleaned (fl)	5,750				179,930	185,680		12,000			138,680	150,680		92%
CCTV Inspected (fl)					179,930	179,930					138,680	138,680		83%
Smoke Tested (fl)				3,287		0				308		308		
Die Water Flooded (no. of locations)						0						0		
Manholes Inspected (no.)					21	965	986			2	896	898		88%
Lines Repaired (no.)	34					34		36			277	313		
MH Rehabbed (no.)	1					1		4			14	18		
Purge Mains (10 miles)												0		
Visual Surface Inspection (miles)						0	0					0		0%
Repaired (no.)		7					7					0		
Air Release Valves (18)												0		
Inspected/Maintained												0		0%
Repaired (no.)							0					0		
Pump & Lift Stations (21)												0		
Inspections (no.)												858	880	6%
Wet wells cleaned						21						21		
Repaired (no.)							1					1		

Rout.-Routine Maintenance  
Corr.-Corrective Maintenance

Baton Rouge 2002 Consent Decree Quarterly Report  
Preventive Maintenance Plan Summary Totals  
October 1 - December 31, 2010

South Plant-LA0036412

Summary of Activities	3rd Quarter (EPA Report No. 34)				4th Quarter (EPA Report No. 35)					
	WWC (w/AMP) (Route)   (Corr.)	WWC-PS (Route)   (Corr.)	Field Engr. count. (Route)	Quarterly Total	*Cum. % Complete	WWC (w/AMP) (Route)   (Corr.)	WWC-PS (Route)   (Corr.)	Field Engr. count. (Route)	Quarterly Total	*Cum. % Complete
Gravity Collection System (4,640,000/21,580MHI)	27,250		18,787	46,037	85%	44,500		21,262	65,762	97%
Lines Cleaned (ft)			18,787	18,787	56%			21,418	21,418	60%
CCTV Inspected (ft)		47,420	80,536	127,956			12,350	3	12,350	
Smoke Tested (ft)		7	7	7			3	3	3	
Die Water Flooded (no. of locations)		7	7	7			65	63	128	89%
Manholes Inspected (no.)		129	184	313	84%			114	254	
Lines Repaired (no.)	91		140	231		120		112	138	
MH Rehabbed (no.)	3		285	288		26				
Force Mains (110 miles) Visual Surface Inspection (miles) Repaired (no.)		19.4		19.4	46%		22.3		22.3	65%
				0			4		4	
Air Release Valves (251) Inspected/Maintained Repaired (no.)		141		141	41%		140		140	55%
		59		59			67		67	
Pump & Lift Stations (259) Inspections (no.)	11,037			11,037	73%				11,320	98%
Wet wells cleaned Repaired (no.)	68	12		80		14	6		14	
Peak Flow Storage Facilities (2) Little Peak site visits Big Peak site visits	39	39		78	112%				40	150%
				39	112%		40		40	150%

Root - Routine Maintenance  
Corr - Corrective Maintenance



# Table of Contents

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

**Part A:**  
Cross Connection  
Elimination Plan



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

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

### Summary of Activities

No cross connections were discovered and removed during this quarter. There is no anticipated non-compliance. During the reporting period approximately 12,658 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

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

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



**Part B:**  
Preventive Maintenance  
Program (PMP)

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

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

### **Summary of Activities**

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

	<b>Quarterly Total Oct.-Dec. 2010</b>	<b>Cumulative 2010 Annual Total</b>	<b>2010 Annual Goal</b>
<b>Gravity Collection System (8,510,000ft/38,000MH)</b>			
Lines Cleaned (ft)	252,192	1,440,780	<b>570,000</b>
CCTV Inspected (ft)	164,195	1,058,803	<b>570,000</b>
Smoke Tested (ft)	12,658	529,740	----
Smoke Tested (no. of locations)	3	19	----
Dye Water Flooded (no. of locations)	3	19	----
Manholes Inspected (no.)	1,026	5,534	<b>2,500</b>
Lines Repaired (no.)	934	3,026	----
MH Rehabbed (no.)	181	1,202	----
<b>Force Mains (240 miles)</b>			
Visual Surface Inspection (miles)	49.5	188.3	<b>120</b>
Repaired (no.)	7	51	----
<b>Air Release Valves (604)</b>			
Inspected / Maintained	312	1,202	<b>960 to 1,200</b>
Repaired (no.)	149	611	----
<b>Pump &amp; Lift Stations (421)</b>			
Inspections (no.)	18,120	70,668	<b>45,136</b>
Wet wells cleaned	29	500	----
Repaired (no.)	19	83	----
<b>Peak Flow Storage Facilities (2)</b>			
Little Peak site visits	40	156	<b>104</b>
Big Peak site visits	40	156	<b>104</b>

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

The City/Parish  [is]  [is not] in compliance with Section IX Preventive Maintenance Program Plan for the period 10/01/10 to 12/31/10. If not, see comments above.

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

**North Plant (LA0036439 AI# 4843)**

	<u>Routine Maintenance</u>	<u>Corrective Maintenance</u>	<u>Quarterly Total Oct. –Dec. 2010</u>
<b>Gravity Collection System (2,460,000ft/10,640MH)</b>			
Lines Cleaned (ft)	0	35,750	35,750
CCTV Inspected (ft)	4,097	0	4,097
Smoke Tested (ft)	0	0	0
Smoke Tested (no. of locations)	0	0	0
Dye Water Flooded (no. of locations)	0	0	0
Manholes Inspected (no.)	0	0	0
Lines Repaired (no.)	312	75	387
MH Rehabbed (no.)	14	11	25
<b>Force Mains (120 miles)</b>			
Visual Surface Inspection (miles)	27.2	0	27.2
Repaired (no.)	1	2	3
<b>Air Release Valves (335)</b>			
Inspected / Maintained	172	0	172
Repaired (no.)	0	82	82
<b>Pump &amp; Lift Stations (141)</b>			
Inspections (no.)	5,920	0	5,920
Wet wells cleaned	15	0	15
Repaired (no.)	3	10	13

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

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

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

**Central Plant (LA0036421 AI# 4842)**

	<u>Routine Maintenance</u>	<u>Corrective Maintenance</u>	<u>Quarterly Total Oct. –Dec. 2010</u>
<b>Gravity Collection System (1,410,000ft/5,760MH)</b>			
Lines Cleaned (ft)	138,680	12,000	150,680
CCTV Inspected (ft)	138,680	0	138,680
Smoke Tested (ft)	308	0	308
Smoke Tested (no. of locations)	0	0	0
Dye Water Flooded (no. of locations)	0	0	0
Manholes Inspected (no.)	898	0	898
Lines Repaired (no.)	277	36	313
MH Rehabbed (no.)	14	4	18
<b>Force Mains (10 miles)</b>			
Visual Surface Inspection (miles)	0	0	0.0
Repaired (no.)	0	0	0
<b>Air Release Valves (18)</b>			
Inspected / Maintained	0	0	0
Repaired (no.)	0	0	0
<b>Pump &amp; Lift Stations (21)</b>			
Inspections (no.)	880	0	880
Wet wells cleaned	0	0	0
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 Oct. –Dec. 2010</u>
<b>Gravity Collection System (4,640,000ft/21,580MH)</b>			
Lines Cleaned (ft)	21,262	44,500	65,762
CCTV Inspected (ft)	21,418	0	21,418
Smoke Tested (ft)	12,350	0	12,350
Smoke Tested (no. of locations)	3	0	3
Dye Water Flooded (no. of locations)	3	0	3
Manholes Inspected (no.)	128	0	128
Lines Repaired (no.)	114	120	234
MH Rehabbed (no.)	112	26	138
<b>Force Mains (110 miles)</b>			
Visual Surface Inspection (miles)	22.3	0	22.3
Repaired (no.)	0	4	4
<b>Air Release Valves (251)</b>			
Inspected / Maintained	140	0	140
Repaired (no.)	0	67	67
<b>Pump &amp; Lift Stations (259)</b>			
Inspections (no.)	11,320	0	11,320
Wet wells cleaned	14	0	14
Repaired (no.)	0	6	6
<b>Peak Flow Storage Facilities (2)</b>			
Little Peak site visits	40	0	40
Big Peak site visits	40	0	40

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 23 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>0</b>
Central Plant-LA0036421 AI # 4842 Collection System	<b>3</b>
South Plant-LA0036412 AI# 4841 Collection System	<b>20</b>
<b>Total</b>	<b>23</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 10/1/10 to 12/31/10. 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>0</b>
Central Plant-LA0036421 AI # 4842 Collection System	<b>3</b>
South Plant-LA0036412 AI# 4841 Collection System	<b>20</b>
<b>Total</b>	<b>23</b>

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

There were no unusual SSOs, but there were six unauthorized discharges equal to or greater than 100,000 gallons during this reporting period. On December 25, 2010 two overflows and a full bypass occurred at the Central Wastewater Treatment Plant. An estimated 3,040,000 gallons bypassed the plant to the Mississippi River and received no treatment. In addition, an estimated 1,590,000 gallons, which only received primary treatment, overflowed at the trickling filter pump station and an estimated 1,520,000 gallons, which received secondary treatment, overflowed at the intermediate pump station. These events occurred during a power failure caused by an electrical malfunction.

In addition, three wastewater overflows occurred at the South Wastewater Treatment Plant. On November 2, 2010 an estimated 534,000 gallons of wastewater overflowed onto plant grounds at the South Wastewater Treatment Plant after receiving no treatment. This overflow resulted due to heavy rainfall causing an overflow in splitter box No. 2. In addition, primary basins No. 1 and 2 were out of service due to construction activities.

On November 30, 2010 an estimated 467,000 gallons of wastewater, which received only primary treatment, overflowed through a trickling filter window at the South Wastewater Treatment Plant. This overflow was a result of heavy rainfall and the force main side of the treatment plant being out of service due to Phase I construction upgrades.

## Part D – Reporting of Unauthorized Discharges

On December 29, 2010 an estimated 714,000 gallons overflowed from trickling filters No. 1 and 3 at the South Wastewater Treatment Plant. This overflow occurred from a trickling filter window due to heavy rainfall, construction upgrades and temporary diesel pump failure. Repairs were made to the diesel pump by the contractor and the primary effluent pumps were adjusted by plant operators. Procedures outlined in the Sanitary Sewer Response Plan were followed during each of these incidents.

Implementation of the Remedial Measures Action Plan (RMAP) projects will not prevent the recurrence of the above unauthorized discharges, but the RMAP projects will prevent the recurrence of unauthorized discharges due exclusively to wet weather events less than or equal to the modeled design storm.

The City/Parish  [is]  [is not] in compliance with Section XI Reporting of Unauthorized Discharges for the period 10/ 01 / 10 to 12/ 31 / 10. If not, see comments above.



CITY OF BATON ROUGE/PARISH OF EAST BATON ROUGE  
 SANITARY SEWER OVERFLOWS MONITORING REPORT

NORTH Sewer District Collection System LPDES LA0036439A1# 4843  
 10/01/2010 To 12/31/2010

Date	Address	Cause	Action	Prevention	Rec. Waters Amt. Gals	PS	BOD	TSS	pH
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There are no overflows for the North sewer district.

CITY OF BATON ROUGE/PARISH OF EAST BATON ROUGE  
 SANITARY SEWER OVERFLOWS MONITORING REPORT

CENTRAL Sewer District Collection System LPDES LA0036421A/# 4842  
 10/01/2010 To 12/31/2010

Date	Address	Cause	Action	Prevention	Rec. Waters Amt. Gals	PS	BOD	TSS	pH
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There are no overflows for the Central sewer district.



## Department of Public Works

City of Baton Rouge  
Parish of East Baton Rouge

Post Office Box 1471  
Baton Rouge, Louisiana  
70821

January 3, 2011

Department of Environmental Quality  
Office of Environmental Compliance  
Enforcement Division  
Post Office Box 4312  
Baton Rouge, Louisiana 70821-4312

Attention: Permit Compliance Unit

Re: LPDES Permit No. LA0036421 AI # 4842  
Full Bypass/Overflows

Dear Sir/Madame:

We had a full bypass and two overflows at the Central Treatment Plant which occurred on December 25, 2010, beginning at 0800 hours and ending at 1100 hours for a total duration of 3 hours. During this time, an estimated 3,040,000 gallons were bypassed to the Mississippi River and received no treatment. An estimated 1,590,000 gallons, which received only primary treatment, overflowed at the trickling filter pump station and an estimated 1,520,000 gallons, which received secondary treatment, overflowed at the intermediate pump station onto the plant grounds.

These occurrences were due to a power failure caused by an electrical malfunction of the automatic switchgear. The plant electrician was called out and power was restored. Procedures outlined in the Sanitary Sewer Response Plan were followed during the incident.

Should you require additional information concerning this matter, please let me know.

Sincerely yours,

Peter T. Newkirk, PE  
Public Works Director

PTN/GD/mo

xc: Mary Roper, Parish Attorney  
Cheryl Berry, PE, Special Projects Engineer  
Garcia Dialekwa, Wastewater Treatment Plant Manager  
Charles O'Brien, Wastewater Laboratory Supervisor  
Calvin Hayes, Wastewater Treatment Plant Supervisor (CTP)



CITY OF BATON ROUGE/PARISH OF EAST BATON ROUGE  
SANITARY SEWER OVERFLOWS MONITORING REPORT

SOUTH Sewer District Collection System LPDES LA0036412 AI#4841  
10/01/2010 To 12/31/2010

Date	Address	Cause	Action	Prevention	Rec. Waters	Amt. Gals	PS	BOD	TSS	pH
10/06/10	6536 Pecue Ln.	There was a stoppage in the main collection line.	The sewer discharge was recorded. The stoppage was cleared by unit 911 and the area was sanitized.	The collection line will be washed with degreaser.	None	200	58	94	318	7.07
10/07/10	2123 Cedar Crest	An eight inch collection line was broken causing sewer to flow into the canal.	The sewer discharge was recorded. The collection line was repaired by waste water collection.	None.	None.	500	147	144	166	6.98
10/22/10	13674 Goodwood Blvd	There was a stoppage in the main collection line.	The sewer discharge was recorded. The stoppage was cleared by unit 975 and the area was sanitized.	The collection line will be washed regularly.	None	300	50	107	200	7.29
10/27/10	4500 Sherwood Commons	There was a stoppage in the main collection line.	The sewer discharge was recorded. The stoppage was cleared by unit 975 and the area was sanitized.	The collection line will be washed regularly.	None	200	251	99	810	7.10
11/02/10	3144 Grand Field Ave	Pump station 444 was off line causing a manhole to overflow.	The sewer discharge was recorded and a pump mechanic was called to fix the station.	None	None	500	444	139	376	6.88
11/03/10	18512 S. Mission Hills Dr.	Pump station 356 was off line causing a manhole to overflow.	The sewer discharge was recorded and a pump mechanic was called to fix the station.	None	None	450	356	82	172	6.90
11/12/10	6650 Pecue Ln	An eight inch discharge force main was broken causing sewer to overflow into a canal.	The sewer discharge was recorded and the canal was sanitized with bleach and fresh water. The force main was also repaired.	None	None	96000	147	128	136	6.97
11/19/10	4047 Indian Run Dr.	Pump station 316 was off line causing a manhole to overflow.	The sewer discharge was recorded and a pump mechanic was called to fix the station.	None	None	300	316	130	130	6.88
11/19/10	4040 Poplar Ridge Dr.	Pump station 316 was off line causing a manhole to overflow.	The sewer discharge was recorded and a pump mechanic was called to fix the station.	None	None	300	316	130	130	6.88
11/22/10	5121 Brightside View Dr.	There was a stoppage in the main collection line.	The sewer discharge was recorded and the stoppage was cleared by unit 991. The area was deodorized and sanitized.	The collection line will be inspected periodically.	None	200	292	202	160	7.07
11/22/10	5121 Brightside View Dr.	There was a stoppage in the main collection line.	The sewer discharge was recorded	The collection line will be	None	200	292	202	160	7.07

CITY OF BATON ROUGE/PARISH OF EAST BATON ROUGE  
 SANITARY SEWER OVERFLOWS MONITORING REPORT

SOUTH Sewer District Collection System LPDES LA0036412 AI#4841  
 10/01/2010 To 12/31/2010

Date	Address	Cause	Action	Prevention	Rec. Waters	Amt. Gals	PS	BOD	TSS	pH
		main collection line.	and the stoppage was cleared by unit 991. The area was deodorized and sanitized.	inspected periodically.						
11/24/10	680 Sharp Ln.	There was a stoppage in the city main collection line causing sewer to overflow into a canal.	The stoppage was cleared by unit 968 and the area was sanitized by unit 971	The collection line will be televised for any possible breaks.	None	200	50	106	238	7.04
12/06/10	5080 Florida Blvd.	There was a stoppage in the city main collection line causing sewer to overflow into A line canal.	The stoppage was cleared and the area was sanitized with bleach.	The manhole will be monitored twice a month.	None	300	58	146	228	7.20
12/06/10	2149 Hillstone Dr.	An air release valve broke causing sewer to discharge into the storm drain.	Pump stations 437 and 417 were shut down and the air release valve was repaired.	None	None	500	437	158	207	7.20
12/06/10	144 S. Marylin Dr.	There was a stoppage in the city main collection line causing sewer to overflow into the storm drain.	The stoppage was cleared and the area was sanitized.	The collection line will be rechecked for any stoppages.	None	200	58	146	228	7.20
12/20/10	13726 Broad Ct.	There was a stoppage in the city main collection line causing a sewer overflow.	The stoppage was cleared by unit 911 and the area was sanitized by unit 971.	The collection line will be rechecked for any stoppages.	None	100	185	184	172	7.35
12/21/10	Woodlake Ave. @ Jones Creek	Pump station 316 was off line due to the float controller.	The sewer discharge was recorded and a pump mechanic was called to fix the station. The area was sanitized by unit 971.	The pump mechanic will inspect this pump station daily.	None	300	316	182	198	7.37



## Department of Public Works

City of Baton Rouge  
Parish of East Baton Rouge

Post Office Box 1471  
Baton Rouge, Louisiana  
70821

November 5, 2010

Department of Environmental Quality  
Office of Environmental Compliance  
Enforcement Division  
Post Office Box 4312  
Baton Rouge, Louisiana 70821-4312

Attention: Permit Compliance Unit

Re: LPDES Permit No. LA0036412  
AI # 4841  
Overflow

Dear Sir/Madame:

We had an overflow at the South Treatment Plant which occurred on November 2, 2010, beginning at 1050 hours and ending at 1100 hours for a total duration of 10 minutes. During this time, an estimated 534,000 gallons of wastewater received no treatment before overflowing onto the plant grounds.

This overflow was due to heavy rain which caused the #2 splitter box to overflow onto the plant grounds. Also, #3 and #4 primary basins are out of service due to construction activities. Procedures outlined in the Sanitary Sewer Response Plan were followed during the incident.

Should you require additional information concerning this matter, please let me know.

Sincerely yours,

Peter T. Newkirk, PE  
Public Works Director

PTN/GD/pas

xc: Mary Roper, Parish Attorney  
Cheryl Berry, PE, Special Projects Engineer  
Garcia Dialekwa, Wastewater Treatment Plant Manager  
Charles O'Brien, Wastewater Laboratory Supervisor  
Hugh Taylor, Wastewater Treatment Plant Supervisor (STP)





## Department of Public Works

City of Baton Rouge  
Parish of East Baton Rouge

Post Office Box 1471  
Baton Rouge, Louisiana  
70821

December 3, 2010

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

Attention: Gladys Gooden-Jackson

Re: LPDES Permit No. LA0036412  
AI # 4841  
Overflow

Dear Ms. Gooden-Jackson:

We had an overflow at the South Treatment Plant which occurred on November 30, 2010, beginning at 1303 hours and ending at 1335 hours for a total duration of 32 minutes. During this time, an estimated 467,000 gallons of wastewater received only primary treatment before overflowing onto the plant grounds.

This overflow, from the trickling filter windows, was caused by heavy rain and the forcemain side of the treatment plant being out of service due to construction activities of phase I upgrades. Procedures outlined in the Sanitary Sewer Response Plan were followed during the incident.

Should you require additional information concerning this matter, please let me know.

Sincerely yours,

Peter T. Newkirk, PE  
Public Works Director

PTN/GD/pas

xc: Mary Roper, Parish Attorney  
Cheryl Berry, PE, Special Projects Engineer  
Garcia Dialekwa, Wastewater Treatment Plant Manager  
Charles O'Brien, Wastewater Laboratory Supervisor  
Hugh Taylor, Wastewater Treatment Plant Supervisor (STP)



## Department of Public Works

City of Baton Rouge  
Parish of East Baton Rouge

Post Office Box 1471  
Baton Rouge, Louisiana  
70821

January 3, 2011

Department of Environmental Quality  
Office of Environmental Compliance  
Enforcement Division  
Post Office Box 4312  
Baton Rouge, Louisiana 70821-4312

Attention: Permit Compliance Unit

Re: LPDES Permit No. LA0036412 AI # 4841  
Overflow

Dear Sir/Madame:

We had an overflow at the South Treatment Plant which began on December 29, 2010, at 2130 hours and ended December 30, 2010, at 0415 hours for a total duration of 6 hours 45 minutes. During this time, an estimated 714,000 gallons of wastewater from #1 and #3 trickling filter windows received only primary treatment before overflowing onto the plant grounds.

This overflow was due to local heavy rainfall, major construction upgrades and a temporary emergency diesel pump failure. Plant Operators adjusted primary effluent pumps that were in service and the Contractor made repairs to the diesel pump. Procedures outlined in the Sanitary Sewer Response Plan were followed during the incident.

Should you require additional information concerning this matter, please let me know.

Sincerely yours,

Peter T. Newkirk, PE  
Public Works Director

PTN/GD/mo

xc: Mary Roper, Parish Attorney  
Cheryl Berry, PE, Special Projects Engineer  
Garcia Dialekwa, Wastewater Treatment Plant Manager  
Charles O'Brien, Wastewater Laboratory Supervisor  
Hugh Taylor, Wastewater Treatment Plant Supervisor (STP)

**Part E:**  
Consent Decree  
Compliance Status



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

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

### Compliance Status

- The City/Parish was not in compliance with the South Wastewater Treatment Plant LPDES Permit No. LA0036412 AI# 4841 during the reporting period. The South Wastewater Treatment Plant (SWWTP) exceeded the permit effluent limits for BOD monthly average and the Percent Removal for the period shown in the table below. The total amount of stipulated penalties identified for non-compliant activities at the South Plant during this reporting period is \$5,000. Non-compliance was due to operational issues at the South Wastewater Treatment Plant.

During this reporting period primary basins number 5 and 6, force main trickling filters number 5 through 8 and final clarifiers number 5 though 8 were all out of service due to the Immediate Action Plan Construction Projects. Further noncompliance is not anticipated.

SWWTP	Permit Level	4 <sup>th</sup> Quarter 2010			Stipulated Penalty		
		Oct.	Nov.	Dec.	# of Occurrences	Per Occurrence	Total
<b>BOD</b>							
7-Day Avg. (mg/l)	45	C	C	C			
Monthly Avg. (mg/l)	30	C	C	35	1	\$2,500	\$2,500
Monthly Avg. (lbs/day)	13,511	C	C	C			
Percent Removal	75%	C	C	72	1	\$2,500	\$2,500
<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>\$5,000</b>

C-Compliance

**Part E - Consent Decree Compliance Status**

2. The City/Parish was in compliance with the Central Wastewater Treatment Plant LPDES Permit No. LA0036421 AI# 4842 during the reporting period.
2. 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 in December 2010 and BOD seven day average four times in December 2010 as 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 \$6,500. Non-compliance was due to operational issues at the North Wastewater Treatment Plant.

During this reporting period the trickling filters and final clarifiers on the north side of the plant were off-line in order to repair the 72-inch line that feeds the trickling filters. The repair to the 72-inch line was made on December 22, 2010. Further noncompliance is not anticipated.

NWWTP	Permit Level	4 <sup>th</sup> Quarter 2010			Stipulated Penalty		
		Oct.	Nov.	Dec.	# of Occurrences	Per Occurrence	Total
<b>BOD</b>							
7-Day Avg. (mg/l)	45	C	C	53	1	\$1,000	
				70	1	\$1,000	
				54	1	\$1,000	
				47	1	\$1,000	\$4,000
Monthly Avg. (mg/l)	30	C	C	54	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>\$6,500</b>

C-Compliance

The City/Parish  [is]  [is not] in full compliance with Consent Decree for the period 10/01/10 to 12 /31/10. If not, see comments above.