

**BATON ROUGE SSO PROGRAM
2002 CONSENT DECREE**



2010 ANNUAL REPORT

January 28, 2011

January 28, 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
Annual Report - **Period Ending December 31, 2010**

Gentlemen:

Pursuant to Paragraph 52 of the Consent Decree, the City of Baton Rouge and Parish of East Baton Rouge (City/Parish) hereby submits the Annual Report covering activities for the year ending December 31, 2010. This report addresses the following items:

- Remedial Measures Action Plan (RMAP)
- Treatment Facility Assessment
- Environmental Results Monitoring (ERM)
- Interim Relief Measures Activities
- Outreach and Public Awareness Program
- Plan Modification Needs
- Stipulated Penalties

These items are described in Sections XII, XIII, XIV, XVI, XV and XXI of the Consent Decree.

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Baton Rouge Consent Decree 2010 Annual Report

This Annual Report for the period from January 1, 2010 to December 31, 2010 is submitted in accordance with Section XVIII, Reporting Paragraph 52, of the Consent Decree. This report addresses all items identified in Consent Decree Exhibit I regarding the Annual Report format and content.

During the past year, significant progress was made towards achieving Second Remedial Measures Action Plan (RMAP2) compliance. By the end of 2010, the City of Baton Rouge/Parish of East Baton Rouge (City/Parish) had completed seven projects ahead of the EPA milestone schedules and was implementing 58 projects (25 projects under construction and 33 projects in design) in order to strive to achieve the compliance schedules set forth in Tables 1, 2, 3, and 4 of this Annual Report.

Construction of the next large group of projects simultaneously presents a serious challenge in project management and wise use of local resources. The City/Parish is examining alternative approaches that have been recommended to better manage these projects.

1. Remedial Measures Action Plan

In 1998, the City/Parish originally developed a comprehensive Remedial Measures Action Plan (RMAP) for the collection system during consent decree negotiations, identified as Alternative 1 (the original Sanitary Sewer Overflow [SSO] Plan) in the Consent Decree. A Value Engineering (VE) study was commissioned in early 2000 to explore cost-saving alternatives. The VE study identified seven options based on the original SSO Plan for further consideration. Three of those alternatives (specifically 3, 4, and 7) were considered equivalent low-cost options that deemed further examination. Through a series of Metro Council and public meetings, Alternative 7, the Composite Plan, was selected. At the time, the Program Manager for the work associated with the Composite Plan was Montgomery Watson Harza (MWH). The focus of this plan was to utilize deep tunnels in order to store flows throughout the wastewater collection system during high flow/wet weather conditions in order to eliminate SSOs throughout the City/Parish during the design storm condition (2 year - 12 hour). The Composite Plan consisted of two parts: the First Remedial Measures Action Plan (RMAP1) and Second Remedial Measures Action Plan (RMAP2).

1.1 RMAP1 Summary

The First RMAP (or RMAP1), submitted on January 10, 2001, consisted of the projects that were common to all three of the lowest cost VE options (3, 4, and 7) being evaluated. These 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 were a total of 19 "common" projects identified through various modeling and VE efforts associated with the original SSO Corrective Action Plan developed by MWH in 1998. These projects were common to the alternative plans presented in the Consent

Decree that focused on utilizing deep tunnels/storage to control the SSOs throughout the City/Parish's wastewater collection system. The phased implementation of these RMAP1 projects began 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 and the need for easements and permits. 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; most of these projects (all but one project) have been completed. During the planned execution of these projects, significant events occurred with the change in technical approach of the Collection System Remedial Program and, as such, some RMAP1 projects have been affected. Any such changes have been reported in previous reports.

In 2004 and 2005, the City/Parish decided to re-evaluate the planned technical approach of their Collection System Remedial Program, while implementing RMAP1 projects. This review resulted in a consequential change in technical approach from deep tunnels and storage, to a focus on sewer rehabilitation. At that point, the original RMAP1 projects that had not begun were re-examined. Some of these projects were 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 changed. Camp Dresser & McKee (CDM) was hired to develop an alternative plan not dependent on deep tunnels with an emphasis on rehabilitation of sewers to remove infiltration and inflow, and conveyance system improvements. CDM completed the initial conceptual reevaluation of the sewer rehabilitation plan, and CH2M HILL was later contracted to serve as the Program Manager and charged to perform a more thorough and detailed engineering and evaluation of the revised approach. CH2M HILL is currently the City/Parish's consultant/Program Manager for the Sanitary Sewer Overflow (SSO) Control and Wastewater Facilities Program which was initiated to meet the goals of the Consent Decree.

In December 2007, the City/Parish and CH2M HILL submitted a detailed *RMAP1 Status Report* to the EPA that summarized the status 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 the request for a time extension were verbally approved by the U.S. Environmental Protection Agency (EPA) during a conference call on February 12, 2008. Since no formal approval was granted from the EPA or Louisiana Department of Environmental Quality (LDEQ) for the RMAP1 projects that were outstanding which were highlighted in the report, the City/Parish re-submitted the revised 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).

In late 2008, an Agreement and Order Regarding the Modification of the Consent Decree was submitted to the court and was approved by the Department of Justice (DOJ), EPA, and LDEQ in April 2009. 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). Although with this approval a new technical approach to resolve SSOs was approved which made the old tunnel plan obsolete, the City/Parish and CH2M HILL are actively moving forward with the execution of the remaining RMAP1 projects included herein based on the approved revised schedule.

The current status of the RMAP1 projects in progress is presented in Table 1 and is current through December 31, 2010. As of the end of the fourth quarter of 2010, 13 of the 14 RMAP1 projects have been substantially completed either on, or ahead of, schedule. The final project of this type (Industriplex) has had several issues arise during the construction phase pertaining to unavoidable utility conflicts, difficult easement acquisitions, alignment changes, and permitting and other utility coordination issues that have caused significant delays with the project which could not be overcome by reasonable actions by the City/Parish and its construction contractor. At this time, this project is also functionally completed and in operation. The City/Parish asserts that this project is not susceptible to stipulated penalties due to the circumstances of the delay beyond the control of the City/Parish. The circumstances behind the delay are explained in detail below and have been also briefly mentioned in the previous Quarterly EPA Reports.

During 2nd quarter 2009 the construction contract was awarded and NTP for construction was issued. Soon after the contractor began work, he discovered that there was a utility conflict with AT&T which took more than 9 months to resolve. During the same quarter as the contractor began working, he was trying to obtain gas line encroachment permits and was not granted a permit for several of the sewer stretches included in the project. A re-design of the route/alignment was required which resulted in land acquisition (servitude) issues. As construction and land acquisition progressed in 2009 and even in the 2nd quarter of 2010, it became more difficult to obtain servitudes for several properties due to the gas line re-alignment changes since several of the properties had multiple (30 - 120) owners and clear title to the property was unobtainable by normal procedures. This resulted in a huge undertaking on the City/Parish's part to obtain the servitudes needed while the construction was underway. It also made the City/Parish invoke different processes required by Louisiana law (out of the norm) for obtaining these easements for the project. Later in the 3rd and 4th quarters of 2009 the contractor ran into some additional delays with obtaining permits from the Department of Transportation and Development (DOTD), and also had more land acquisition issues. In one of these cases, a property owner wouldn't negotiate the servitude purchase with the City/Parish which eventually resulted in another re-design and re-route of the piping alignment causing again another delay. In the 2nd quarter of 2010 it was thought that all land issues were resolved until the contractor ran into the servitude issues again due to the gas pipeline permit realignment already discussed. During the 3rd quarter of 2010 the project was approximately 90% complete. Once construction was completed, it then took Entergy (the electric utility) nearly 8 weeks to get power to the pump station as they ordered the wrong size transformer for pump station. Power is now at the pump station so it is functionally complete and wastewater is flowing.

It is anticipated that an RMAP1 Completion Report will be submitted to the DOJ/EPA/LDEQ in the months following RMAP1 project completion. For more details about the RMAP1 projects, or the RMAP1 milestone schedules, refer to 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 *Agreement and Order Regarding Modification of the Consent Decree* (April 2009).

TABLE 1 EPA Consent Decree 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.
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.

TABLE 1 EPA Consent Decree 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-07 PS 39/55 Area Upgrades	N-07 PS 39/55 Area Upgrades			RMAP1 project suspended. Project is included as RMAP2: Group Project 1B – Veterans Memorial Parkway PS FM.
N-11 PS 65 Area Upgrades	PS 65 and 65A Area Upgrades (01-RMP-N11)			Project suspended. Evaluated for inclusion in RMAP2 and Master Plan. Project proposed as a part of the Master Plan.
N-02 PS 49/52 Area Upgrades	PS 49/52 Area Upgrade (01-RMP-N02)		4 th Quarter 2008	Project completed – 4th quarter 2008 (at 80% complete with construction). Project was in dispute with construction contractor. Both parties reached an agreement on terms and job was closed at 80% complete.
N-12 North Sewer Rehab Projects	North Sewer Rehab Projects (03-RMP-N12)		4 th Quarter 2007	Project completed – 4th quarter 2007.
S-08 Industriplex Area Upgrades	Industriplex Area PS 355 and FM Upgrades (99-RMP-S08)		2 nd Quarter 2010	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 st quarter 2011.
S-14 Kleinpeter Area Upgrades	Kleinpeter Area Upgrades (03-RMP-S14)		2 nd Quarter 2010	Project completed – 2nd quarter 2009.
S-16 PS 136 Area Upgrades	PS 136 Area Upgrades (99-RMP-S16)		2 nd Quarter 2010	Project completed – 2nd quarter 2010. Construction completed. Final change order approved.
<p>* This project was executed as a combination of two RMAP1 projects</p> <p>** These projects were added as RMAP1 projects by the City/Parish after entry into the Consent Decree</p> <p>*** This RMAP1 project was split up into multiple projects for better execution</p>				

1.2 RMAP2 Summary

The Second RMAP (RMAP2), which was originally submitted on November 19, 2002 by the City/Parish and their consultants at that time, MWH, consisted of the projects required to complete the selected overall remedial action plan, or Alternative 7. As the planning and design activities for the RMAP2 projects progressed, it was apparent that modifications to the project definitions and schedules were necessary. On December 3, 2004, proposed RMAP modifications were submitted for review and approval.

In early 2005, the City/Parish began re-evaluating Alternative 7 of the original Composite Plan, due to large budget over runs of several projects that were indicative of total project cost increases of 50% or more. CDM was hired to do a preliminary evaluation of alternatives and the City/Parish developed an "updated" Second RMAP approach, or revised RMAP2, based on more aggressive sewer rehabilitation and comprehensive upgrades of pumping stations. The City/Parish, in conjunction with CDM, submitted a written request with proposed RMAP2 modifications for review and approval to the EPA and LDEQ on July 29, 2005. The City/Parish conducted a telephone conference with EPA and LDEQ on August 1, 2005 in order to present the program status. That presentation included the requested revision to the RMAP2 with the sewer system rehabilitation focus that CDM helped to develop. The requested plan modification represented a material change in the currently approved RMAP2 (based on the change from Alternative 7 of the tunnel plan), though the requested revision to the RMAP2 did not actually extend the final compliance date beyond the January 1, 2015 which was the original deadline for Alternative 7, listed in the Consent Decree. At that time, the City/Parish made every reasonable effort to complete the work to meet the original deadlines and focused additional efforts and resources to accelerate wastewater treatment plant improvements to achieve consistent permit compliance at the earliest date possible.

The revised RMAP2, submitted by the City/Parish and CDM, had not yet been approved by the EPA and LDEQ in early 2006 when the City/Parish engaged CH2M HILL to conduct a peer review to address issues about elements of the alternative plan including an assessment of costs and schedules and a reassessment of the South Wastewater Treatment Plant (WWTP) proposed work. Based on the peer review recommendations, a re-submittal, and the second request for approval, of the Revised RMAP2 modifications (including CDM's plan and CH2M HILL's updated plan for South WWTP compliance projects) was submitted by the City/Parish in conjunction with CH2M HILL on December 12, 2006. CH2M HILL was also selected as the new Program Manager, or City/Parish consultant, for this work during this timeframe. Per EPA and LDEQ request, a more descriptive follow-up report entitled *Addressing Existing Noncompliance Issues and Future Wet-Weather Flow Management Requirements for the South Wastewater Treatment Plant - Summary of Findings and Recommendations* was submitted in January 2007 that specifically addressed work at the South WWTP. This report detailed the recommendations outlined in the previous Revised Second RMAP submittal in December 2006. On July 10, 2007, the EPA and LDEQ sent a formal letter of approval to the City/Parish endorsing the December 2006 Revised Second RMAP proposal.

Since that time, a huge planning and engineering effort was undertaken by the City/Parish and the new Program Manager, CH2M HILL, and others in order to develop and implement a detailed RMAP2 submittal based on three types of projects: comprehensive sewer rehabilitation, pump station and transmission (capacity) improvements, and wastewater treatment/storage improvements. This planning and engineering effort consists of refined modeling and

Submittal for the Baton Rouge Sanitary Sewer Overflow Control and Wastewater Facilities Program (September 2008). A significant number of these RMAP2 projects are currently underway due to the tight schedule required by the Consent Decree. The RMAP2 project milestone schedules are extremely compressed. 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 implemented simultaneously. The City/Parish is working hard to keep projects on schedule and to maintain the financing plan in spite of significant impacts from US and regional economic conditions. In previous submittals, the City/Parish has documented 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, and 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 track 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 projects if it is deemed necessary.

As of December 31, 2010, there are seven RMAP2 projects functionally completed (ahead of schedule), 25 projects under construction, and 33 projects under design. The City/Parish expects the total number of projects in design or construction to peak in 2012, when there is expected to be more than 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 to 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. During the past year, contractor availability and high bid prices have become issues causing concern; however, in the last quarter of 2010, these issues have diminished. 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 expected to occur in 2012.

Bidding, constructing, and closing out numerous projects simultaneously 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 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. Examples of these projects follow.

- **Generator Program.** The Generator Program will virtually eliminate problems from SSOs caused by power outages at the more than 400 pump stations in the system by providing stand-by power at the pump stations. The Generator Program consists of purchasing and 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, thereby eliminating the risk of overflows from this cause. The work is scheduled to be completed over the next three years.
- **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 and 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 and alarms will be communicated via telemetry to a centralized operations center. The large stations that pump directly to the plants will have remote monitoring and controls to manage flows.
- **Choctaw Maintenance Facility.** The Choctaw Administration/Maintenance Facility will consolidate several separate City/Parish facilities into 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 involves upgrading 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 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 sometimes alter the RMAP2 projects to improve their effectiveness. However, with EPA and LDEQ approval, the City/Parish regularly documents 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 following tables. 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. Note that although 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 following tables 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.

The annual PDP update is again underway for the year ending in 2010. As a result, 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 these changes are 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.

1.2.1 Category 1: Comprehensive Sewer Basin Rehabilitation

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

Table 2 presents the Category 1 comprehensive rehabilitation sub-basin projects and anticipated delivery milestone schedules. Status summaries are also provided for those projects already underway. Pump station improvements are included in the projects listed in Category 2, Pump Station and Transmission Improvements on the following pages.

TABLE 2				
EPA Consent Decree RMAP2 Milestones for Category 1 Projects				
<i>All RMAP2 Projects Will Have Milestone Completion Design Dates - 3rd Quarter 2013</i>				
	33% Construction Milestone	66% Construction Milestone	100% Construction Milestone	Project Status Summary
Milestone Date	4th QTR 2012	1st QTR 2014	4th QTR 2014	
Construction Status	Construction Functionally Complete	Construction Functionally Complete	Construction Functionally Complete	
Project Descriptions				
RMAP2 Projects				
Jefferson Hwy – HooShooToo Road	✓			Project completed – 3rd quarter 2009.

TABLE 2				
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				
Staring Lane - Boone Drive	✓			Now called "Staring Lane – Boone Drive Area Rehabilitation Project". Project completed – 2nd quarter 2010.
Gardere Lane - Burbank Road	✓			Now called "Burbank Drive – Gardere Lane Area Rehabilitation Project". Project completed – 4th quarter 2010. Working on planned cost summary.
Oak Villa Blvd - Choctaw Street	✓			Now called "Oak Villa –Choctaw Street Area Rehabilitation Project". Construction approximately 93% completed and on-going.
Scotland Avenue - Progress Road	✓			Now called "Scotland Avenue – Progress Road Area Rehabilitation Project". Construction approximately 70% complete and on-going.
Elm Grove Garden Road - Harding Blvd	✓			Now called "Elm Grove Garden Road – Harding Boulevard Area Rehabilitation Project". Construction 37% complete and on-going.
Sharp Road - Florida Blvd	✓			Now called "Sharp Road – Florida Boulevard Area Rehabilitation Project". NTP issued. Construction 3% complete and on-going.
Kenilworth Blvd - Boone Drive	✓			Now called "Kenilworth Boulevard – Boone Drive Area Rehabilitation Project". Construction contract awarded. NTP expected to be issued 1 st quarter 2011.
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 st quarter 2011.

TABLE 2				
EPA Consent Decree RMAP2 Milestones for Category 1 Projects				
<i>All RMAP2 Projects Will Have Milestone Completion Design Dates - 3rd Quarter 2013</i>				
	33% Construction Milestone	66% Construction Milestone	100% Construction Milestone	Project Status Summary
Milestone Date	4th QTR 2012	1st QTR 2014	4th QTR 2014	
Construction Status	Construction Functionally Complete	Construction Functionally Complete	Construction Functionally Complete	
Project Descriptions	RMAP2 Projects			
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 st 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 st quarter 2011. Phase II –Final design completed. Construction contract awarded. NTP expected 1 st 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 st quarter 2011. Phase II – Basin characterization report completed. NTP for design issued. 60% survey completed. 90% design expected 1 st 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 nd 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 st quarter 2011. Survey expected to be completed 1 st quarter 2011. Design NTP expected 1 st quarter 2011.

TABLE 2				
EPA Consent Decree RMAP2 Milestones for Category 1 Projects				
<i>All RMAP2 Projects Will Have Milestone Completion Design Dates - 3rd Quarter 2013</i>				
	33% Construction Milestone	66% Construction Milestone	100% Construction Milestone	Project Status Summary
Milestone Date	4th QTR 2012	1st QTR 2014	4th QTR 2014	
Construction Status	Construction Functionally Complete	Construction Functionally Complete	Construction Functionally Complete	
Project Descriptions				
RMAP2 Projects				
Airline Highway - Goodwood Blvd		✓		Project split up into 2 phases for ease of execution. Overall scope the same. Now called "Airline Highway – Goodwood Blvd Phase I Area Rehabilitation Project" and "Airline Highway – Goodwood Blvd Phase II Area Rehabilitation Project".
Acadian Thruway - Claycut Road	✓			Now called "Acadian Thruway – Claycut Road Area Rehabilitation Project". Data analysis and basin characterization report expected to be completed 1 st quarter 2011. Survey expected to be completed early 2 nd quarter 2011. Design NTP expected 2 nd 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 st quarter 2011. Survey expected to be completed early 1 st quarter 2011. Design NTP and design completion expected 1 st 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".

TABLE 2				
EPA Consent Decree RMAP2 Milestones for Category 1 Projects				
<i>All RMAP2 Projects Will Have Milestone Completion Design Dates - 3rd Quarter 2013</i>				
	33% Construction Milestone	66% Construction Milestone	100% Construction Milestone	Project Status Summary
Milestone Date	4th QTR 2012	1st QTR 2014	4th QTR 2014	
Construction Status	Construction Functionally Complete	Construction Functionally Complete	Construction Functionally Complete	
Project Descriptions				
RMAP2 Projects				
East Boulevard - Government Street			✓	Now called "East Boulevard – Government Street Area Rehabilitation Project".
North 38th Street - Gus Young Avenue			✓	Now called "North 38 th Street – Gus Young Avenue Area Rehabilitation Project".

1.2.2 Category 2: Pump Station and Transmission Improvements

The Infoworks digital wastewater model was used to identify necessary increases in the 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 3 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 3				
EPA Consent Decree RMAP2 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 th 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 st quarter 2011.
Gurney Road - Joor Road	✓			Project completed – 4th quarter 2009.

TABLE 3 EPA Consent Decree RMAP2 Milestones for Category 2 Projects <i>All RMAP2 Projects Will Have Milestone Completion Design Dates - 3rd Quarter 2013</i>				
	33% Construction Milestone	66% Construction Milestone	100% Construction Milestone	Project Status Summary
Milestone Date	4th QTR 2012	1st QTR 2014	4th QTR 2014	
Construction Status	Construction Functionally Complete	Construction Functionally Complete	Construction Functionally Complete	
Project Descriptions				
RMAP2 Projects				
Multiple Pump Stations - Lovett Road Area	✓			Also called "Sullivan Rd./Lovett Rd./Wax 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 – Project completed – 2nd quarter 2010 . 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". Project completed – 4th quarter 2010 .

TABLE 3				
EPA Consent Decree RMAP2 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				
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 1st 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 1st quarter 2011.</p> <p>Phase IV – Construction contract awarded. Construction NTP expected 1st 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 25th 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 1st 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 1st quarter 2011.</p>

TABLE 3				
EPA Consent Decree RMAP2 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				
Highland Road - Buchanan Street	✓			Now called "Highland Road – Buchanan Street Sewer Area Upgrades". Construction approximately 28% completed and is on-going.
Citiplace/Essen Area - PS119 & Forcemain Improvements	✓			Construction NTP expected 1 st quarter 2011.
North Capacity Group 1A - Veterans Memorial Parkway - Gravity Mains		✓		Now called "Group Project 1A (Metro Airport Sewer Upgrades)". Construction contract awarded. Construction NTP expected 1 st quarter 2011.
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 st quarter 2011. Advertisement for bids expected 1 st 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 st quarter 2011. Advertisement for bids expected 1 st 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 st 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 st quarter 2011. Phase B – 60% design completed and reviewed. 90% design expected to be submitted 1 st quarter 2011.

TABLE 3				
EPA Consent Decree RMAP2 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				
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 st 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 th – North Acadian Thruway is completed and construction work was combined with these two separate projects, this project has been closed. Please see status construction updates for the two projects mentioned above.
Government St - South Acadian Thruway		✓		90% design expected to be submitted 1 st quarter 2011. Design on-going.
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 st 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 st 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 st quarter 2011. Design on-going.
Multiple PS - Nicholson Dr - Brightside Dr		✓		60% design submitted and reviewed. 90% design expected to be submitted 1 st 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 st quarter 2011. Design on-going.

TABLE 3 EPA Consent Decree RMAP2 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				
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. Project completed – 2nd quarter 2010 , 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 st 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 st 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 st quarter 2011.
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 st 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 st quarter 2011.
Multiple PS - Highland Road - Kenilworth Parkway			✓	Design NTP issued. 15% design is expected to be submitted 1 st quarter 2011.

TABLE 3				
EPA Consent Decree RMAP2 Milestones for Category 2 Projects				
<i>All RMAP2 Projects Will Have Milestone Completion Design Dates - 3rd Quarter 2013</i>				
	33% Construction Milestone	66% Construction Milestone	100% Construction Milestone	Project Status Summary
Milestone Date	4th QTR 2012	1st QTR 2014	4th QTR 2014	
Construction Status	Construction Functionally Complete	Construction Functionally Complete	Construction Functionally Complete	
Project Descriptions				
RMAP2 Projects				
Multiple PS - Florida Blvd - Sherwood Forest Blvd			✓	Now called "Florida Boulevard Pump Station Improvements". Project merged with Airline/Florida Boulevard Area – PS30 Improvements & New PS project for ease of management and to eliminate construction sequencing issues. Project definition underway. Design consultant selection expected 1 st 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			✓	
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 st quarter 2011.

TABLE 3				
EPA Consent Decree RMAP2 Milestones for Category 2 Projects				
<i>All RMAP2 Projects Will Have Milestone Completion Design Dates - 3rd Quarter 2013</i>				
	33% Construction Milestone	66% Construction Milestone	100% Construction Milestone	Project Status Summary
Milestone Date	4th QTR 2012	1st QTR 2014	4th QTR 2014	
Construction Status	Construction Functionally Complete	Construction Functionally Complete	Construction Functionally Complete	
Project Descriptions				
RMAP2 Projects				
Florida Boulevard - Sherwood Forest Boulevard			✓	Now called "Sherwood Forest Blvd – Goodwood Blvd Pipeline Projects". Project merged with Florida Boulevard - Sherwood Forest Boulevard project for ease of management and to eliminate construction sequencing issues. Project definition underway. Design consultant selection expected 1 st 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 st 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 st quarter 2011.
Oak Villa Boulevard - Monterey Boulevard			✓	
Lovett Road - Greenwell Springs Road			✓	Design consultant selected. Design consultant NTP expected 1 st 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 st 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 st quarter 2011. Design on-going.

TABLE 3				
EPA Consent Decree RMAP2 Milestones for Category 2 Projects				
<i>All RMAP2 Projects Will Have Milestone Completion Design Dates - 3rd Quarter 2013</i>				
	33% Construction Milestone	66% Construction Milestone	100% Construction Milestone	Project Status Summary
Milestone Date	4th QTR 2012	1st QTR 2014	4th QTR 2014	
Construction Status	Construction Functionally Complete	Construction Functionally Complete	Construction Functionally Complete	
Project Descriptions				
RMAP2 Projects				
Multiple 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 st 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 st quarter 2011. O'Neal Lane Pump Station B - Design consultant NTP expected 1 st quarter 2011.
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 st quarter 2011. O'Neal Lane Pump Station B - Design consultant NTP expected 1 st quarter 2011.

TABLE 3				
EPA Consent Decree RMAP2 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			
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 st 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 st 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 st 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 st 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 st quarter 2011. Design on-going.

1.2.3 Category 3: Wastewater Treatment and Storage

This category of projects includes improvements at the City/Parish WWTPs, as well as storage facilities throughout the service area. There are not any RMAP2 projects that have been identified at the North WWTP, but several projects are being done by the City/Parish to improve plant performance and odor control. Based on extensive evaluations in the *Draft Wastewater Master Plan* (May 2008), 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 and adjustments will be made in the South WWTP improvements to handle the increased flows.

Summaries of the WWTP projects that are part of RMAP2 submittal are described below.

- The Immediate Action Plan (IAP) South WWTP Project includes screening, trickling filter recirculation pumping, primary treatment improvements, and bio-solids thickening improvements. Note that this project was made up of three separate projects that were grouped together for ease of execution and construction coordination. Also note that the effluent pumping IAP project has been completed.
- Phase 1 Improvements at the South WWTP for Wet Weather Flow including influent pumping, and screening and grit removal for a predicted flow of 345 million gallons per day (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 storage projects sized to reduce peak flows to existing treatment plants that are also a part of this RMAP2 submittal, and are listed as follows and described in Table 4.

- South - Choctaw Storage Facility
- North - Hooper Storage Facility

These storage projects are part of the transmission system that allows for retaining (storage) of peak wet weather flows and permits that stored flow is later released for treatment at the treatment plant. All projects of this type are already underway. The details of the wastewater treatment and storage projects are listed in Table 4 below, and are current through December 31, 2010.

TABLE 4				
EPA Consent Decree RMAP2 Milestones for Category 3 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				
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 st quarter 2011.
Hooper Storage	✓			60% design submitted and review completed. 90% design expected to be completed 1 st 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.

	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	
South WWTP IAP- Effluent Pumping Improvements	✓			Project completed – 1st 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 st quarter 2011. Design on-going.

1.3 Infiltration and Inflow Reduction Activities Summary

Another part of the Collection System Remedial Program identified in the Consent Decree Section XII is capital infiltration/inflow (I/I) reduction activities. Pursuant to item 35 in Section XII, the City/Parish is required to spend at least \$3 million annually for sewer repairs, sewer rehabilitation, and other capital expenditures related to reducing I/I in the North, South, and Central WWTP collection systems. The City/Parish spent approximately \$5.5 million during 2010 for I/I reduction projects, which is over \$2.5 million more than they were required by the Consent Decree. All goals were exceeded. The City/Parish was in compliance with Section XII Collection System Remedial Program during this reporting period. There were no problems encountered in the Collection System Remedial Program during this reporting period and non-compliance is not anticipated during the next reporting period. Table 5 identifies the funds expended during 2010 to meet this requirement.

Project	Description	% Complete	Contract Amount	Expenditures 2010
07-CP-UF-0043	Annual Lining Project (Yr. 2)	85%	\$1,600,000	\$1,373,742
08-PI-UF-051	Physical Inspection of the Existing Sanitary Sewers	86%	\$2,672,437	\$2,304,233
07-MH-UF-0042	Manhole Rehabilitation	99%	\$900,000	\$899,950
07-PN-UF-0041	Annual CDR Point Repair Project	92%	\$998,303	\$927,747
TOTAL EXPENDITURES IN 2010			\$6,170,740	\$5,505,672

2. Treatment Facility Assessment

Pursuant to Consent Decree Section XIII, Remedial Measure Treatment Facility Assessment, no later than March 30, 2002 the City/Parish was to submit a Treatment Facility Assessment report which assesses the treatment capabilities of the North, South, and Central WWTPs. The City/Parish submitted *Treatment Facility Assessment Report* on March 26, 2002 in conjunction with MWH. It was determined in the original *Treatment Facility Assessment Report* that all process units and conveyance elements had capacity for current and projected design flows at all three WWTPs and no WWTP facility improvements or expansion were required. The *Treatment Facility Assessment Report* also indicated that the monthly Operators Process Control meetings led by Dr. John J. Sansalone of LSU were having a beneficial impact on plant performance.

Since that time, there have been additional engineering assessments and studies of the WWTPs which resulted in the need for treatment plant improvements at the South WWTP which are now included in the RMAP2 projects 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 submitted Municipal Water Pollution Prevention (MWPP) Environmental Audit Reports for the North, South, and Central WWTPs on November 2, 2010 (see Attachment A). These reports contain an evaluation and rating for influent loadings, plant performance, overflows and bypasses, treatment plant age, sludge disposal, new development in collection system, and operator certification training for the North, South and Central WWTPs. The MWPP audit rated the treatment plants on the aforementioned factors for the year following the entry into the Consent Decree. The actions that will be taken to maintain compliance and prevent effluent violations are presented in MWPP resolutions, which were submitted along with the audit. Some of those actions include managing a project to reduce the high concentration of hydrogen sulfide at the North and South treatment plants, in addition to those projects identified in the *Second Remedial Measures Action Plan (RMAP2) Submittal for the Baton Rouge Sanitary Sewer Overflow Control and Wastewater Facilities Program* (September 2008) in all three WWTP collection system areas.

3. Environmental Results Monitoring

Pursuant to Consent Decree Section XIV, Remedial Measures – Environmental Results Monitoring Plan, the City/Parish shall implement the Environmental Results Monitoring (ERM) Plan attached in Consent Decree Exhibit G. The objective of the ERM program is to measure the environmental benefits from the Work performed under the Consent Decree through measurement of water quality improvements. The impact of the work throughout the City/Parish is tested by monitoring sewage indicating pollutants in major receiving waters prior to and following completion of remedial measures within each drainage basin. The original plan outlines four sampling locations, including all major tributaries in East Baton Rouge Parish, which enter the Amite River System – and eventually Lake Pontchartrain.

The Phase I Baseline Monitoring was completed during the 2004 reporting period. The Phase II Results Monitoring will begin 6 months following completion of all remedial measures within a specified drainage area contributing to an identified sampling location.

4. Interim Relief Measures Activities

Paragraph 39 of the Consent Decree provides interim effluent limits of 75% removal of BOD and TSS (based on 30-day average removal rates), until completion of all RMAP construction projects, as an interim relief to the 85% removal requirement of the three WWTP National Pollution Discharge Elimination System (NPDES) permits.

4.1 North WWTP

During 2010, the North WWTP has been in compliance with the 75% interim effluent limits for the 11 of the 12 months for removal of BOD. In addition, the North WWTP achieved the 75% limits for the entire 12 months for the removal of TSS during the reporting period. In fact, the North WWTP met the permit limit of 85% removal for TSS for 11 months, and it also met the permit limit for 85% removal of BOD for 3 months, as illustrated by Table 6. There were no compliance issues reported at the North WWTP during the third quarter of 2010.

During the first quarter, several plant processes were taken off-line and cleaned due to heavy sand infiltration as a result of the large number of rehabilitation projects currently occurring upstream of the treatment plant. In addition, during the month of March 2010 the North WWTP experienced two power outages. The first outage was due to a power failure at the Entergy substation supplying power to the entire plant. The second power failure occurred the next day when a current balance relay switch failed in the main motor control center. Entergy made repairs to the substation and the owner's contractor replaced the relay switch.

Also, during the second quarterly reporting period again several plant processes were taken off-line and cleaned due to heavy sand infiltration as a result of the large number of rehabilitation projects currently occurring up stream of the treatment plant. These types of projects and the cleaning associated are expected to be needed again in the future. Also in the month of April the North WWTP experienced an illegal dumping incident. The incident was reported to our Environmental Division for investigation. We have requested the assistance of LDEQ to help prevent these types of incidents from reoccurring.

Finally, during the last quarter of 2010, 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 line was made near the end of the month of December 2010.

4.2 Central WWTP

The Central WWTP has been in compliance with the 75% interim effluent limits for removal of TSS for all 12 months, and for the removal BOD for 10 months during this reporting period. The Central WWTP also has met the permit limit of 85% removal of TSS for all 12 months and BOD for 3 months as illustrated by Table 6. There were not any compliance issues reported at the Central WWTP during the second, third, and fourth quarters of 2010. During the first quarterly reporting period the Central WWTP experienced extremely high flows due to heavy rainfall. The Grit Removal System, Snail Screens, and Primary Basins (#1 and #2) were out of service due to mechanical and electrical issues. The repairs to the primary basins were completed in early April 2010. Repairs to the Grit Removal System and the Snail Screen equipment were both completed in the 3rd quarter of 2010 by contractor and in-house crews respectively.

4.3 South WWTP

The South WWTP has been in compliance with the 75% interim effluent limit for TSS all 12 months during this reporting period and was in compliance with the 85% limit for TSS for 11 of the 12 months. However, the South WWTP did not meet the 75% interim effluent limit for BOD for 9 months of the year.

During the first quarterly reporting period of 2010 Primary Basin (#2), Sludge Pumps (P-203, P-2004, and P-2005), Primary Effluent Pump (P-210, and P-2008) were all out of service due to mechanical or electrical issues. Trickling filters (#5 and #8), Final Clarifiers (#5 through #8), Primary Basins (#4, #5, and #6) were all out of service due to scheduled outages by the contractor for the SWWTP Immediate Action Plan Projects.

Also, during the second quarterly reporting period of 2010 Primary Basins (#5 and #6), Sludge Pumps (P-2004, P-2005, and P-2505), Bar Screens (E-103, E-1001, and E-1003), Trickling Filters (#6 and #7), Primary Effluent Pump (P-2008) and Final Clarifier (#2) were all out of service due to mechanical or electrical issues. In addition, Primary Basins (#3 and #4), Sludge Pump (P-2003) were out of service, Primary Basin (#1), and Sludge Pumps (P-203 and P-205) were out of service due to scheduled outages by the contractor for the SWWTP Immediate Action Plan Projects.

In addition, during the third quarterly reporting period sludge pumps (P-2004 and P-2505), Bar Screens (E-1003), Influent Pump (P-155) and Final Clarifier (#2) were all out of service due to mechanical or electrical issues. Primary Basins (#1 and #2), and Sludge Pumps (P-203, P-204, and P-205) were out of service all due to the Immediate Action Plan Construction Projects. The Fecal Coliform violations during this period were due to dirty sample tubing, and the chlorine induction water champ failure. The TRC violations occurred as a result of the on duty supervisor's failure to adjust the chlorine feed to compensate for low plant flow. This resulted in a high chlorine concentration in the effluent.

During the fourth quarterly reporting period primary basins (#5 and #6), Trickling Filters (#5 through #8), and final clarifiers (#5 through #8) were all out of service due to scheduled outages by the contractor for the SWWTP Immediate Action Plan Projects.

More details can be found in the Quarterly EPA Reports from 2010. The South Plant's performance should improve further with the completion of the IAP projects and RMAP2 projects.

	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
North Plant-LA0036439												
BOD	75	70	76	84	87	84	86	86	88	85	83	76
TSS	85	87	82	85	91	90	90	94	91	88	88	86
Central Plant-LA0036421												
BOD	65	68	83	85	84	81	84	81	83	88	86	83
TSS	87	89	91	93	93	93	93	94	92	94	93	92
South Plant-LA0036412												
BOD	63	66	72	72	72	70	70	74	78	76	77	72
TSS	84	87	86	87	89	89	89	94	92	92	91	90

5. Outreach and Public Awareness Program

The Consent Decree Section XV, Outreach and Public Awareness Plan, states that the City/Parish shall 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 has been updated and is in the process of being reviewed and approved by the City/Parish. Once approved, it will be submitted to the EPA and LDEQ for review and approval in the next Quarterly EPA Report.

During this reporting period, the City/Parish has continued to implement an Outreach and Public Awareness Program, as has been reported in past periods. Public information tools such as the website <http://www.brprojects.com/sewer/pages/Sewer.htm> 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. The Monthly Progress Reports are available on the program web site and also distributed to a mailing list that includes community and civic leaders and interested members of the public. These reports are distributed at public meetings in Council Districts throughout the Parish and are available to the public as handouts at the City/Parish Department of Public Works office. These monthly status updates 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.

Fact sheets on the program and individual project and brochures educating the public about SSOs are also regularly distributed at public meetings and can be accessed via the website. These materials describe pertinent information and aspects about the City/Parish SSO Control and Wastewater Facilities Program. Program staff regularly attends Metro Council meetings, and have given presentations at numerous other public meetings, such as the growth coalition, technical professional societies, and other economic and planning groups throughout the City/Parish. Additionally, prior to any field work commencing in areas, informational door

hangers are hung on those homes where inspection work will be taking place or where residents may experience construction impacts.

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 and to address construction specific issues. The Program Communication Team has designed and distributed a variety of outreach materials. During the past quarter, 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. Program dedicated Public Information Officers were also hired and began to respond to citizen inquiries. Additionally, materials including information letters, postcards, handouts, and door hangers announcing road closures, were developed and distributed.

During this reporting period, City/Parish continued its Sewer Tie-in Program, which enables the homeowner to abandon their old septic tank at a fixed price. The City/Parish, through negotiations with several plumbing contractors, developed an agreement between the homeowners and contractors to wave all City/Parish permit fees in order to keep the septic tank abandonment fees to a minimum. In order to assist low income homeowners, the City/Parish, with funding from of a Community Development Block Grant (CDBG) pays for the septic tank abandonment fees after the homeowner has met the program guidelines.

The information presented in this section demonstrates that the City/Parish has been in compliance with Section XV Outreach and Public Awareness Program during the reporting period.

6. Plan Modification Needs

The City/Parish has not identified any deficiencies in the Cross Connection Elimination Plan, the Preventive Maintenance Program, the Sanitary Sewer Overflow Response Plan, or the Remedial Measures Action Plan.

7. Stipulated Penalties

Table 7 presents a summary of submittal and construction milestone dates subject to stipulated penalties in accordance with Section XXI of the Consent Decree. As of December 31, 2010, no submittal milestone deadlines have been missed.

Non-compliance items, which are subject to stipulated penalties in accordance with Section XXI of the Consent Decree, are identified in each Consent Decree Quarterly EPA Report. A summary of penalties assessed and paid by the City/Parish and a cumulative summary of penalties assessed and potential stipulated penalties reported in past quarterly reports from 2010 are presented in Tables 7 and 8.

TABLE 7 Penalties Assessed and Paid by the City/Parish to Date			
Penalties	Assessed	Paid	
		US DOJ	LDEQ
Civil Penalties	\$729,500	\$364,750	\$364,750
Past Stipulated Penalties (1988 Consent Decree)	\$216,000	\$216,000	
Note: These monetary stipulated penalties have been already paid by the City/Parish in 2002.			

TABLE 8 Self-Reported Potential Stipulated Penalties 2010 (SSOs and WWTP violations)			
Stipulated Penalties	Number	Cost Per Occurrence	Amount Accrued
Unauthorized Discharges 2010			
Less than 1 MG & Non-Compliance with the Collection System Preventative Maintenance Plan	0	\$5,000	\$0
Less than 1 MG & Non-Compliance with the Sanitary Sewer Overflow Response Plan	2	\$5,000	\$10,000
1 MG or more	3	\$5,000	\$15,000
Non-Compliant Discharges (WWTP) 2010			
Weekly Average Limits	7	\$1,000	\$7,000
Monthly (30-day average) Limits	22	\$2,500	\$55,000
2010 Total Stipulated Penalties (through December 31, 2010)			\$87,000
Note: None of these self-reported stipulated penalties in this table have been assessed to the City/Parish by the DOJ/EPA/LDEQ or have been paid by the City/Parish at this time. Historical data utilized in this table was taken from the City/Parish Quarterly EPA Reports.			

Attachment A
Municipal Water Pollution Prevention (MWPP)
Environmental Audit Reports – North, Central,
and South Wastewater Treatment Plants



Department of Public Works

City of Baton Rouge
Parish of East Baton Rouge

Post Office Box 1471
Baton Rouge, Louisiana
70821

Karen
COPY

November 2, 2010

Department of Environmental Quality
Office of Environmental Compliance
Permits Compliance Unit
Post Office Box 4312
Baton Rouge, Louisiana 70821-4312

Re: Municipal Water Pollution Prevention (MWPP) Environmental Audit Reports

LPDES PERMIT NUMBERS:

LA0036439 AI# 4843

LA0036421 AI# 4842

LA0036412 AI# 4841

Dear Sirs:

As required by your office, we are submitting the annual Municipal Water Pollution Prevention Environmental Audit reports along with the MWPP Resolutions. These reports represent our North, Central and South Wastewater Treatment Plants from September 1, 2009 to August 31, 2010.

If you have any questions concerning this matter, please contact Mr. Charles M. O'Brien of my staff at (225) 389-3240.

Sincerely yours,

Peter T. Newkirk, PE
Public Works Director

PTN/GD/pas

xc: Mary Roper, Parish Attorney
Cheryl Berry, PE, Special Projects Engineer
Charles M. O'Brien, Wastewater Laboratory Supervisor

Attachment(s):

LOUISIANA
MUNICIPAL WATER
POLLUTION PREVENTION
MWPP



<i>Facility Name:</i>	City of Baton Rouge / Parish of East Baton Rouge / North Wastewater Treatment Plant
<i>LPDES Permit Number:</i>	LA0036439
<i>Agency Interest (AI) Number:</i>	4843
<i>Address:</i>	55 Mills Avenue
	Baton Rouge
	Louisiana
<i>Parish:</i>	East Baton Rouge
<i>(Person Completing Form) Name:</i>	Charles M. O'Brien
<i>Title:</i>	Wastewater Laboratory Supervisor
<i>Date Completed:</i>	October 22, 2010

INSTRUCTIONS

1. Complete only the sections of the Environmental Audit which apply to your wastewater treatment system. Leave sections that do not apply blank and enter a "0" for the point value.
2. Parts 1 through 7 contain questions for which points may be generated. These points are intended to communicate to the department and the governing body or owner what actions will be necessary to prevent effluent violations. Place the point totals from parts 1 through 7 on the Point Calculation page.
3. Add up the point totals.
4. Submit the Environmental Audit to the governing body or owner for review and approval.
5. The governing body must pass a resolution which contains the following items:
 - a. The resolution or letter must acknowledge the governing body or owner has reviewed the Environmental Audit.
 - b. This resolution must indicate specific actions, if any, will be taken to maintain compliance and prevent effluent violations. Proposed actions should address the parts where maximum or close to maximum points were generated in the Environmental Audit.
 - c. The resolution should provide any other information the governing body deems appropriate.

Permit #: **LA0036439**

PART 1: INFLUENT FLOW/LOADINGS (all plants)

A. List the average monthly volumetric flows and BOD loadings received at your facility during the last reporting year.

Column 1 Average Monthly Flow (million gallons per day, MGD)		Column 2 Average Monthly BOD5 Concentration (mg/l)		Column 3 Average Monthly BOD5 Loading (pounds per day, lb/day)
17.10	x	138	x 8.34 =	19,681
25.78	x	109	x 8.34 =	23,436
14.96	x	166	x 8.34 =	20,711
35.62	x	96	x 8.34 =	28,519
20.85	x	121	x 8.34 =	21,040
29.38	x	96	x 8.34 =	23,523
17.20	x	151	x 8.34 =	21,661
12.10	x	195	x 8.34 =	19,678
14.29	x	186	x 8.34 =	22,167
16.60	x	153	x 8.34 =	21,182
16.30	x	146	x 8.34 =	19,848
18.59	x	151	x 8.34 =	23,411

BOD loading = Average Monthly Flow (in MGD) x Average Monthly BOD concentration (in mg/l) x 8.34

B. List the design flow and design BOD loading for your facility in the blanks below. If you are not aware of these design quantities, refer to your Operation and Maintenance (O&M) Manual or contact your consulting engineer.

Design Flow, MGD:	54	x 0.90 =	48.60
Design BOD, lb/day:	75,210	x 0.90 =	67,689

Permit #: LA0036439

- C. How many months did the monthly flow (Column 1) to the wastewater treatment facility (WWTF) exceed 90% of design flow? Circle the number of months and the corresponding point total. Write the point total in the box below at the right.

months	<input type="radio"/> 0	1	2	3	4	5	6	7	8	9	10	11	12
points	<input type="radio"/> 0	0	0	0	0	5	5	5	5	5	5	5	5

Write 0 or 5 in the C point total box 0 C Point Total

- D. How many months did the monthly flow (Column 1) to the WWTF exceed the design flow? Circle the number of months and corresponding point total. Write the point total in the box below at the right.

months	<input type="radio"/> 0	1	2	3	4	5	6	7	8	9	10	11	12
points	<input type="radio"/> 0	5	5	10	10	15	15	15	15	15	15	15	15

Write 0, 5, 10 or 15 in the D point total box 0 D Point Total

- E. How many months did the monthly BOD loading (Column 3) to the WWTF exceed 90% of the design loading? Circle the number of months and corresponding point total. Write the point total in the box below at the right.

months	<input type="radio"/> 0	1	2	3	4	5	6	7	8	9	10	11	12
points	<input type="radio"/> 0	0	5	5	5	10	10	10	10	10	10	10	10

Write 0, 5, or 10 in the E point total box 0 E Point Total

- F. How many months did the monthly BOD loading (Column 3) to the WWTF exceed the design loading? Circle the number of months and corresponding point total. Write the point total in the box below at the right.

months	<input type="radio"/> 0	1	2	3	4	5	6	7	8	9	10	11	12
points	<input type="radio"/> 0	10	20	30	40	50	50	50	50	50	50	50	50

Write 0, 10, 20, 30, 40 or 50 in the F point total box 0 F Point Total

- G. Add together each point total for C through F and place this sum in the box below at the right.

TOTAL POINT VALUE FOR PART 1: 0 (max = 80)

Also enter this value or 80, whichever is less, on the point calculation table on page 16.

Permit #: LA0036439

PART 2: EFFLUENT QUALITY / PLANT PERFORMANCE

A. List the monthly average effluent BOD and TSS concentrations produced by your facility during the last reporting year.

Month	Column 1 Average Monthly BOD (mg/l)	Column 2 Average Monthly TSS (mg/l)
SEPTEMBER	21	20
OCTOBER	21	25
NOVEMBER	31	28
DECEMBER	29	33
JANUARY	30	24
FEBRUARY	29	21
MARCH	36	30
APRIL	32	27
MAY	24	17
JUNE	24	20
JULY	20	18
AUGUST	21	14

B. List the monthly average permit limits for your facility in the blanks below.

	Permit Limit		90% of Permit Limit
BOD, mg/l	30	x 0.90 =	27
TSS, mg/l	30	x 0.90 =	27

Permit #: **LA0036439**

C. Continuous Discharge to Surface Water.

- i. How many months did the effluent BOD (Column 1) exceed 90% of the permit limits? Circle the number of months and the corresponding point total. Write the point total in the box below at the right.

<i>months</i>	0	1	2	3	4	5	6	7	8	9	10	11	12
<i>points</i>	0	0	10	20	30	40	40	40	40	40	40	40	40

Write 0, 10, 20, 30 or 40 in the i point total box **40** i Point Total

- ii. How many months did the effluent BOD (Column 1) exceed permit limits? Circle the number of months and corresponding point total. Write the point total in the box below at the right.

<i>months</i>	0	1	2	3	4	5	6	7	8	9	10	11	12
<i>points</i>	0	5	5	10	10	10	10	10	10	10	10	10	10

Write 0, 5, or 10 in the ii point total box **10** ii Point Total

- iii. How many months did the effluent TSS (Column 2) exceed 90% of the permit limits? Circle the number of months and the corresponding point total. Write the point total in the box below at the right.

<i>months</i>	0	1	2	3	4	5	6	7	8	9	10	11	12
<i>points</i>	0	0	10	20	30	40	40	40	40	40	40	40	40

Write 0, 10, 20, 30 or 40 in the iii point total box **20** iii Point Total

- iv. How many months did the effluent TSS (Column 2) exceed permit limits? Circle the number of months and corresponding point total. Write the point total in the box below at the right.

<i>months</i>	0	1	2	3	4	5	6	7	8	9	10	11	12
<i>points</i>	0	5	5	10	10	10	10	10	10	10	10	10	10

Write 0, 5, or 10 in the iv point total box **5** iv Point Total

- v. Add together each point total for i through iv and place this sum in the box below at the right.

TOTAL POINT VALUE FOR PART 2: **75** (max = 100)

Also enter this value or 100, whichever is less, on the point calculation table on page 16.

Permit #: LA0036439

D. Other Monitoring and Limitations

- i. At any time in the past year was there an exceedance of a permit limit for other pollutants such as: ammonia-nitrogen, phosphorus, pH, total residual chlorine, or fecal coliform?

√ Check one box. Yes No *If Yes, Please describe:*

- ii. At any time in the past year was there a "failure" of a Biomonitoring (Whole Effluent Toxicity) test of the effluent?

√ Check one box. Yes No *If Yes, Please describe:*

- iii. At any time in the past year was there an exceedance of a permit limit for a toxic substance?

√ Check one box. Yes No *If Yes, Please describe:*

Permit #: LA0036439

PART 3: AGE OF THE WASTEWATER TREATMENT FACILITY

A. What year was the wastewater treatment facility constructed or last major expansion/improvements completed?

$$\begin{array}{rcccl} & & 1998 & & \\ & & \hline \text{Current Year} & - & \text{Answer to A} & = & \text{Age in years} \\ \hline 2010 & & 1998 & & 12 \end{array}$$

Enter Age in Part C below.

B. Check the type of treatment facility that is employed.

	FACTOR:
<input checked="" type="checkbox"/> Mechanical Treatment Plant (trickling filter, activated sludge, etc...) Specify Type: _____	2.5
_____ Aerated Lagoon	2.0
_____ Stabilization Pond	1.5
_____ Other Specify Type: _____	1.0

C. Multiply the factor listed next to the type of facility your community employs by the age of your facility to determine the total point value for Part 3.

TOTAL POINT VALUE FOR PART 3 =

$$\frac{2.5}{\text{Factor}} \times \frac{12}{\text{Age}} = \boxed{30} \text{ (max = 50)}$$

Also enter this value or 50, whichever is less, on the point calculation table on page 16.

D. Please attach a schematic of the treatment plant.

Permit #: LA0036439

PART 4: OVERFLOWS AND BYPASSES

A.

- i. List the number of times in the last year there was an overflow, bypass or unpermitted discharge of untreated or incompletely treated wastewater due to heavy rain:

3 ✓ Check one box. 0 = 0 points 3 = 15 points
 1 = 5 points 4 = 30 points
 2 = 10 points 5 or more = 50 points

- ii. List the number of bypasses, overflows or unpermitted discharges shown in A (i) that were within the collection system and the number at the treatment plant

Collection System: 3 Treatment Plant: 0

B.

- i. List the number of times in the last year there was an overflow, bypass or unpermitted discharge of untreated or incompletely treated wastewater due to equipment failure, either at the treatment plant or due to pumping problems in the collection system:

20 ✓ Check one box. 0 = 0 points 3 = 15 points
 1 = 5 points 4 = 30 points
 2 = 10 points 5 or more = 50 points

- ii. List the number of bypasses, overflows or unpermitted discharges shown in B (i) that were within the collection system and the number at the treatment plant

Collection System: 15 Treatment Plant: 5

- C. Specify whether the bypasses came from the city/village/town sewer system or from contract or tributary communities/sanitary districts, etc...

- D. Add the point values checked for A and B and place the total in the box below.

TOTAL POINT VALUE FOR PART 4: (max = 100)

Also enter this value or 100, whichever is less, on the point calculation table on page 16.

- E. List the person responsible (name and title) for reporting overflows, bypasses or unpermitted discharges to State and Federal authorities:

CHARLES M. O'BRIEN, WASTEWATER LABORATORY SUPERVISOR (225) 389-3240

Describe the procedure for gathering, compiling and reporting:

THE PROCEDURE FOR GATHERING, COMPILING, AND REPORTING IS SPECIFIED IN THE PERMIT.

Permit #: LA0036439

PART 5: SLUDGE STORAGE AND DISPOSAL SITES

A. Sludge Storage

How many months of sludge storage capacity does your facility have available, either on-site or off-site?

Circle the number of months and the corresponding point total. Write the point total in the box below at the right.

<i>months</i>	<2	2	3	4-5	>6
<i>points</i>	50	30	20	10	0

Write 0, 10, 20, 30 or 40 in the A point total box A Point Total

B. For how many months does your facility have access to (and approval for) sufficient land disposal sites to provide proper land disposal?

Circle the number of months and the corresponding point total. Write the point total in the box below at the right.

<i>months</i>	<2	6-11	12-23	24-35	>36
<i>points</i>	50	30	20	10	0

Write 0, 10, 20, 30 or 40 in the B point total box B Point Total

C. Add together the A and B point values and place the sum in the box below at the right:

TOTAL POINT VALUE FOR PART 5: (max = 100)

Also enter this value or 100, whichever is less, on the point calculation table on page 16.

Permit #: LA0036439

PART 6: NEW DEVELOPMENT

A. Please provide the following information for the total of all sewer line extensions which were installed during the last year.

Design Population: 88
Design Flow: 0.03 MGD
Design BOD: 200 mg/l

B. Has an industry (or other development) moved into the community or expanded production in the past year, such that either flow or pollutant loadings to the sewerage system were significantly increased (5% or greater)?

√ Check one box. Yes = 15 points No = 0 points

If Yes, Please describe:

List any new pollutants:

C. Is there any development (industrial, commercial or residential) anticipated in the next 2-3 years, such that either flow or pollutant loadings to the sewerage system could significantly increase?

√ Check one box. Yes = 15 points No = 0 points

If Yes, Please describe:

List any new pollutants you anticipate:

D. Add together the point value checked in B and C and place the sum in the box below.

TOTAL POINT VALUE FOR PART 6: 0 (max = 30)

Also enter this value or 30, whichever is less, on the point calculation table on page 16.

Permit #: LA0036439

PART 7: OPERATOR CERTIFICATION AND EDUCATION

A. What was the name of the operator-in-charge for the reporting year?

Name: David White

B. What is his or her certification number:

Cert.#: 19-269

C. What level of certification is the operator-in-charge required to have to operate the wastewater treatment facility?

Level Required: Wastewater Treatment IV

D. What is the level of certification of the operator-in-charge?

Level Certified: Wastewater Treatment IV

E. Was the operator-in-charge of the report year certified at least at the grade level required in order to operate this plant?

√ Check one box. Yes = 0 points No = 50 points

Write 0 or 50 in the E point total box E Point Total

F. Has the operator-in-charge maintained recertification requirements during the reporting year?

√ Check one box. Yes No

G. How many hours of continuing education has the operator-in-charge completed over the last two calendar years?

√ Check one box. > 12 hours = 0 points < 12 hours = 50 points

Write 0 or 50 in the G point total box. G Point Total

H. Is there a written policy regarding continuing education an training for wastewater treatment plant employees?

√ Check one box. Yes No

Explain: The state of Louisiana requires that an operator have 16 hours of continuing education in a two-year period to maintain his/her certification.

I. What percentage of the continuing education expenses of the operator-in-charge were paid for:

By the permittee? 100% By the operator? 0%

J. Add together the E and G point values and place the sum in the box below at the right.

TOTAL POINT VALUE FOR PART 7: (max = 100)

Also enter this value or 100, whichever is less, on the point calculation table on page 16.

Permit #: LA0036439

PART 8: FINANCIAL STATUS

A. Are User-Charge Revenues sufficient to cover operation and maintenance expenses?

√ Check one box. Yes No *If No, How are O&M costs financed?*

SAME AS B

B. What financial resources do you have available to pay for your wastewater improvements and reconstruction needs?

WASTEWATER IMPROVEMENTS AND RECONSTRUCTION NEEDS ARE FUNDED FROM FOUR MAIN REVENUE SOURCES. THEY ARE A ONE HALF PERCENT SALES & USE TAX, SEWER USER FEES, SEWER IMPACT FEES, AND A \$4 MILLION SUBSIDY FROM THE GENERAL FUND SUPPORTED FROM GAMING REVENUES.

Permit #:

LA 0036439

PART 9: SUBJECTIVE EVALUATION

A. Collection System Maintenance

- i.** Describe what sewer system maintenance work has been done in the last year.

SEE ATTACHMENT

- ii.** Describe what lift station work has been done in the last year.

SEE ATTACHMENT

- iii.** What collection system improvements does the community have under construction for the next 5 years?

SEE ATTACHMENT

B. If you have ponds please answer the following questions:

√ Check one box.

- | | | |
|--|------------------------------|-----------------------------|
| i. Do you have duckweed buildup in the ponds? | <input type="checkbox"/> Yes | <input type="checkbox"/> No |
| ii. Do you mow the dikes regularly (at least monthly), to the waters edge? | <input type="checkbox"/> Yes | <input type="checkbox"/> No |
| iii. Do you have bushes or trees growing on the dikes or in the ponds? | <input type="checkbox"/> Yes | <input type="checkbox"/> No |
| iv. Do you have excess sludge buildup (> 1foot) on the bottom of any of your ponds? | <input type="checkbox"/> Yes | <input type="checkbox"/> No |
| v. Do you exercise all of your valves? | <input type="checkbox"/> Yes | <input type="checkbox"/> No |
| vi. Are your control manholes in good structural shape? | <input type="checkbox"/> Yes | <input type="checkbox"/> No |
| vii. Do you maintain at least 3 feet of freeboard in all of your ponds? | <input type="checkbox"/> Yes | <input type="checkbox"/> No |
| viii. Do you visit your pond system at least weekly? | <input type="checkbox"/> Yes | <input type="checkbox"/> No |

LA0036439 NORTH PLANT

LA MWPP Environmental Audit

Part 9: Subjective Evaluation

- A1. As part of the Consent Decree, Operation and Maintenance of the North Treatment Plant Collection Area is performed and reported on a quarterly basis. The following table is a breakdown / summary of activities performed within the North Treatment Plant Collection System Area during the reporting period.

North Treatment Area Monitoring Period (9/09- 8/10)

Line Cleaned	34%
CCTV Inspected	29%
Smoke Tested	23%
Dye Tested	0%
Manhole Inspected	22%
Line Repaired	9%
Manhole Rehabilitated	2%
Force Main – Inspected	107%
Repaired	63%
Air Release Valves – Inspected	228%
Repaired	89%
Wet Wells Cleaned	175%
Pump Stations - Repaired	38%

- A2. As shown above, an extensive routine pump station maintenance program is in place. Additionally, the attached Capital Improvement Plan outlines the construction projects that have been completed.
- A3. The attached Capital Improvement Plan outlines the construction projects that are currently in the planning phase, or currently under design, including estimated completion dates.

Baton Rouge MWPP North Service Area Projects | 2010

RMAP2 Category 1 Projects: Comprehensive Sewer Basin Rehabilitation

Based on sewer system digital model analysis and flow monitoring, approximately twenty-six (26) sub-basins within the entire wastewater 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 1 presents the Category 1 comprehensive rehabilitation North Basin projects and anticipated delivery milestone schedules. Project status summaries are provided for those projects already underway, current through September 30, 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.

TABLE 1- NORTH BASIN				
EPA Consent Decree RMAP2 Milestones for Category 1 Projects				
<i>All RMAP2 Projects Will Have Milestone Completion Design Dates - 3rd Quarter 2013</i>				
	33% Construction Milestone	66% Construction Milestone	100% Construction Milestone	Project Status Summary
Milestone Date	4th QTR 2012	1st QTR 2014	4th QTR 2014	
Construction Status	Construction Functionally Complete	Construction Functionally Complete	Construction Functionally Complete	
Project Descriptions				
RMAP2 Projects				
Scotland Avenue - Progress Road	✓			Now called "Scotland Avenue – Progress Road Area Rehabilitation Project". NTP received and construction 50% complete and on-going.
Elm Grove Garden Road - Harding Blvd	✓			Now called "Elm Grove Garden Road – Harding Boulevard Area Rehabilitation Project". Construction 28% complete and on-going.
Silverleaf Road - Ford Street	✓			Now called "Silverleaf Road – Ford Street Area Rehabilitation Project". Data analysis and basin characterization report completed. Survey completed. Design NTP expected and design to begin early 4 th quarter 2010.
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 - Final design completed and expected to advertise for bids early 4 th quarter 2010. Phase II – Survey completed. 90% design completed. Final design expected to be completed and advertisement for bids expected 4 th quarter 2010.
Interstate 110 - Hollywood Street		✓		Now called "Interstate 110 – Hollywood Street Area Rehabilitation Project".

Baton Rouge MWPP North Service Area Projects | 2010

RMAP2 Category 2 Projects: 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 2 presents a list of Category 2 projects located in the North Basin with corresponding milestone schedules. Project status summaries are provided for those projects already underway, current through September 30, 2010.

TABLE 2 – NORTH BASIN				
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				
Gurney Road - Joor Road	✓			Project completed – 4 th quarter 2009.
Multiple Pump Stations - Lovett Road Area	✓			Also called "Sullivan Rd./Lovett Rd./Wax Rd. Sewer Upgrades". Approximately 85% completed with construction. Construction on-going.
Comite Road - Foster Road	✓			Now called "Comite Road – Foster Road Sewer Area Upgrades - Phase I". Phase I – Project completed – 2 nd quarter 2010. 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". Construction is 92% completed and is on-going.

Baton Rouge MWPP North Service Area Projects | 2010

TABLE 2 – NORTH BASIN				
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 –Final design submitted and approved. Advertisement for bids underway and bid opening and construction NTP expected in 4th quarter 2010. Phase II –Final design completed, though advertisement on hold due to land acquisition issues. Advertisement expected early 1st quarter 2011. Phase III - Final design completed. Advertisement for bids expected to begin 4th quarter 2010. Phase IV - Final design completed. Advertisement for bids underway and bid opening and construction NTP expected in 4th quarter 2010.</p>
North Capacity Group 1A - Veterans Memorial Parkway - Gravity Mains		✓		Now called "Group Project 1A (Metro Airport Sewer Upgrades)". Final design submitted. Advertisement for bids expected 4 th quarter 2010.
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. 90% design submitted and under review. Final design expected 4th quarter 2010. Advertisement for bids expected 4 th quarter 2010. Design on-going.
Plank Road - Kleinpeter Road		✓		Now called "Plank Road – Kleinpeter Road Sewer Area Upgrades". 60% design submitted and is currently under review. Final design expected to be submitted 4 th quarter 2010. Design on-going.
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.

Baton Rouge MWPP North Service Area Projects | 2010

TABLE 2 – NORTH BASIN				
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 - Highway 61 - Plank Road			✓	
Joor Road - Greenwell Springs Road			✓	
Plank Road - Port Hudson Pride Road			✓	
Lovett Road - Greenwell Springs Road			✓	Project definition completed. Design consultant selected. NTP expected 4th quarter 2010.
Multiple PS - Hooper Rd - Greenwell Springs Rd			✓	Now called "Hooper Road PS Improvements". Project merged with Multiple Booster PS – Hooper Rd – Lovett Rd project for ease of management and to eliminate construction sequencing issues. Project definition completed. Design consultant selected. NTP expected 4 th quarter 2010.
Multiple Booster PS - Hooper Rd - Lovett Rd			✓	Now called "Hooper Road PS Improvements". Project merged with Multiple PS – Hooper Rd – Greenwell Springs Rd project for ease of management and to eliminate construction sequencing issues. Project definition completed. Design consultant selected. NTP expected 4 th quarter 2010.
Multiple PS - Prescott Rd - Greenwell Springs Rd			✓	

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. However, there are two storage projects sized to reduce peak flows to existing North WWTP located in the North Service Area that are listed below and depicted as well in Table 3:

- Choctaw Storage Facility
- Hooper Storage Facility

Baton Rouge MWPP North Service Area Projects | 2010

These storage projects are part of the transmission system which permits retainage of wet weather peak flows. The details of the wastewater treatment and storage projects are listed in Table 3 below, and are current through September 30, 2010.

TABLE 3 – NORTH BASIN				
EPA Consent Decree RMAP Milestones for Category 3 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				
Choctaw Storage, PS 52A, PS 51A, PS 51AA, & FMs, & Return Pipe	✓			Also called "Choctaw Storage and Pump Station Facility". Final design submitted. Advertisement for bidding is expected to begin 4 th quarter 2010.
Hooper Storage	✓			30% design submitted and reviewed. 60% design expected to be submitted 4 th quarter 2010. Design on-going.

North WWTP 2009 Annual Audit

	3rd QTR 2009	4th QTR 2009	1st QTR 2010	2nd QTR 2010	TOTAL	%
Line Cleaned	283,889	246,963	248,657	46,393	825,902	34%
CCTV Inspected	266,807	212,935	214,629	12,365	706,736	29%
Smoke Tested	138,035	108,688	125,499	195,058	567,280	23%
Dye Tested	0	3	7	2	12	0%
Manhole Inspected	0	1,207	1,050	54	2,311	22%
Line Repaired	131	176	242	440	989	9%
Manhole Rehabilitated	46	86	22	22	176	2%
Force Main - Inspected	30.0	36.0	35.5	27.0	128.5	107%
Repaired	53	1	21	0	75	63%
Air Release Valves - Inspected	196	200	200	167	763	228%
Repaired	55	65	65	113	298	89%
Wet Wells Cleaned	49	53	70	75	247	175%
Pump Stations - Repaired	21	12	12	8	53	36%

NWWTTP New Developments - Quarters 30 - 33

Subdivision / Development	# of lots	Design Pop.	Flow (gpm)	Flow (MGD)	Sewer Length (ft.)
Fullerton Estates	22	88	18	0.03	2303
TOTAL		88	18	0.03	2303

Permit #: LA0036439

C. Treatment Plants

i. Have the influent and effluent flow meters been calibrated in the last year?

Yes No (✓ Check one box.)

* SEE BELOW
Influent flow meter calibration date(s)

* SEE BELOW
Effluent flow meter calibration date(s)

ii. What problems, if any, have been experienced over the last year that have threatened treatment?

Illegal dumping of chemicals into collection system.
Random dumping at random sites.

iii. Is your community presently involved in formal planning for treatment facility upgrade?

✓ Check one box. Yes No *If Yes, Please describe:*

[Empty box for describing community involvement in formal planning for treatment facility upgrade]

* Gravity Influent Flow FIT#1507
7-12-10 North & South Meters

* Forcemain Influent Flow FIT # 1510
7-21-10 North & South Meters

* Final Effluent Flow FIT # 5501
8-3-10 North & South Meters

Permit #: LA0036439

D. Preventive Maintenance

- i. Does your plant have a written plan for preventive maintenance on major equipment items?

√ Check one box. Yes No *If Yes, Please describe:*

Weekly, monthly and semi-annual preventive maintenance sheets that reflect type and frequency as specified in the O&M manuals. A new computer program will manage the maintenance and preventive maintenance of plant equipment and spare parts.

- ii. Does this preventive maintenance program depict frequency of intervals, types of lubrication and other preventive maintenance tasks necessary for each piece of equipment?

Yes No

- iii. Are these preventive maintenance tasks, as well as equipment problems, being recorded and filed so future maintenance problems can be assured properly?

Yes No

E. Sewer Use Ordinance

- i. Does your community have a sewer use ordinance that limits or prohibits the discharge of excessive conventional pollutants (BOD, TSS or pH) or toxic substances to the sewer system from industries, commercial users and residences?

√ Check one box. Yes No *If Yes, Please describe:*

Sewer User Fee Ordinance (No. 7853) limits the discharge of BOD & TSS to 200 mg/l and 250 mg/l respectively. Any discharge above these limits is surcharged at a rate of 2% of the monthly sewer user fee for each limit of 10 mg/l. Pretreatment Ordinance (No. 9195) limits the discharge of heavy metals, chemical and toxic substances.

- ii. Has it been necessary to enforce?

√ Check one box. Yes No *If Yes, Please describe:*

The Sewer User Fee Ordinance is strictly enforced by City-Parish and self monitoring sampling. The same apply to the Pretreatment Ordinance. Enforcement mechanisms include discharge permits, surcharges, letter of notice of violations, administrative orders, water termination and fines.

- iii. Any additional comments about your treatment plant or collection system? (Attach additional sheets if necessary.)

NO

Permit #:

LA0036439

POINT CALCULATION TABLE

	Actual Values	Maximum
Part 1: <i>Influent Flow/Loadings</i>	<u>0</u>	80 points
Part 2: <i>Effluent Quality / Plant Performance</i>	<u>10</u>	100 points
Part 3: <i>Age of WWTF</i>	<u>30</u>	50 points
Part 4: <i>Overflows and Bypasses</i>	<u>55</u>	100 points
Part 5: <i>Ultimate Disposition of Sludge</i>	<u>10</u>	100 points
Part 6: <i>New Development</i>	<u>0</u>	30 points
Part 7: <i>Operator Certification Training</i>	<u>0</u>	100 points

TOTAL POINTS:

105

ATTACHMENT 3

SAMPLE MWPP RESOLUTION

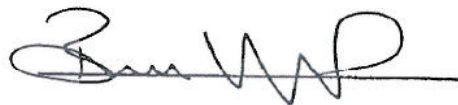
Resolved that the village/town/city of BATON ROUGE informs the Louisiana Department of Environmental Quality that the following actions were taken by CITY/PARISH METROPOLITAN COUNCIL (governing body).

1. Resolved the Municipal Water Pollution Prevention Environmental Audit Report which is attached to this resolution.
2. Set forth the following actions necessary to maintain permit requirements contained in the Louisiana Pollution Discharge Elimination System (LPDES) permit, number LA.0036439 AI#4843 .

(Please be specific in listing the actions that will be taken to address the problems identified in the audit report.)

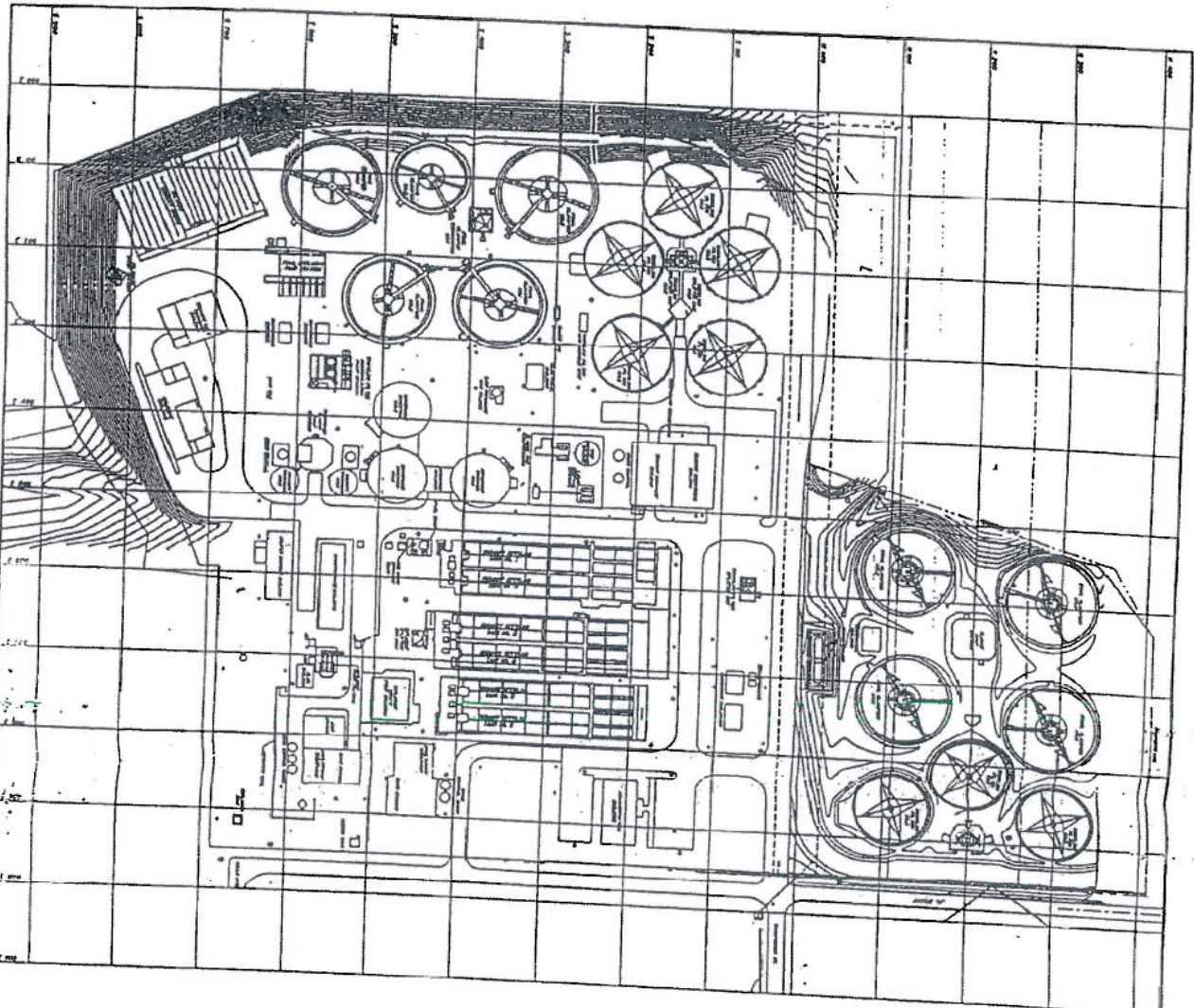
- a. CURRENTLY, WE ARE OPERATING UNDER A CONSENT DECREE WHICH BECAME EFFECTIVE MARCH 14, 2002.
 - b. IMPLEMENTATION OF AGGRESSIVE PROCESS CONTROL STRATEGIES.
 - c. A PROJECT IS UNDERWAY TO REDUCE THE HIGH CONCENTRATION OF HYDROGEN SULFIDE (H₂S).
 - d.
- etc..

Passed by a majority/unanimous (circle one) vote of the CITY/PARISH METROPOLITAN COUNCIL on Nov. 23, 2010 (date).



CLERK

LA0036439



LEGEND
 1. EXISTING
 2. PROPOSED

- SPECIAL NOTES**
1. ALL EXISTING AND PROPOSED CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE CITY OF BATON ROUGE, LOUISIANA, AND STATE OF LOUISIANA, AND FEDERAL AND STATE REGULATIONS AND STANDARDS. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE CITY OF BATON ROUGE, LOUISIANA, AND STATE OF LOUISIANA, AND FEDERAL AND STATE REGULATIONS AND STANDARDS. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE CITY OF BATON ROUGE, LOUISIANA, AND STATE OF LOUISIANA, AND FEDERAL AND STATE REGULATIONS AND STANDARDS.
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PHASE-IB
NWTP - EXISTING SITE PLAN
 CITY OF BATON ROUGE / PARISH OF EAST BATON ROUGE

CDM
 CAMP DRESSER & MOKEY INC.
 PROFESSIONAL ENGINEERING CONSULTANTS

NO.	DATE	DESCRIPTION
1	12/31/2024	ISSUED FOR PERMIT
2	12/31/2024	ISSUED FOR PERMIT
3	12/31/2024	ISSUED FOR PERMIT
4	12/31/2024	ISSUED FOR PERMIT
5	12/31/2024	ISSUED FOR PERMIT

PROJECT NO. 2404/1/2
 SHEET NO. CN-1



Department of Public Works

City of Baton Rouge
Parish of East Baton Rouge

Post Office Box 1471
Baton Rouge, Louisiana
70821

Karen

COPY

November 2, 2010

Department of Environmental Quality
Office of Environmental Compliance
Permits Compliance Unit
Post Office Box 4312
Baton Rouge, Louisiana 70821-4312

Re: Municipal Water Pollution Prevention (MWPP) Environmental Audit Reports

LPDES PERMIT NUMBERS:

LA0036439 AI# 4843
LA0036421 AI# 4842
LA0036412 AI# 4841

Dear Sirs:

As required by your office, we are submitting the annual Municipal Water Pollution Prevention Environmental Audit reports along with the MWPP Resolutions. These reports represent our North, Central and South Wastewater Treatment Plants from September 1, 2009 to August 31, 2010.

If you have any questions concerning this matter, please contact Mr. Charles M. O'Brien of my staff at (225) 389-3240.

Sincerely yours,

Peter T. Newkirk, PE
Public Works Director

PTN/GD/pas

xc: Mary Roper, Parish Attorney
Cheryl Berry, PE, Special Projects Engineer
Charles M. O'Brien, Wastewater Laboratory Supervisor

Attachment(s):

LOUISIANA

MUNICIPAL WATER POLLUTION PREVENTION

MWPP



<i>Facility Name:</i>	City of Baton Rouge and Parish of East Baton Rouge Central WW Treatment Plant
<i>LPDES Permit Number:</i>	LA0036421
<i>Agency Interest (AI) Number:</i>	4842
<i>Address:</i>	2443 River Road
	Baton Rouge
	Louisiana
	East Baton Rouge
<i>Parish:</i>	
<i>(Person Completing Form) Name:</i>	Charles M. O'Brien
<i>Title:</i>	Wastewater Laboratory Supervisor
<i>Date Completed:</i>	October 22, 2010

INSTRUCTIONS

1. Complete only the sections of the Environmental Audit which apply to your wastewater treatment system. Leave sections that do not apply blank and enter a "0" for the point value.
2. Parts 1 through 7 contain questions for which points may be generated. These points are intended to communicate to the department and the governing body or owner what actions will be necessary to prevent effluent violations. Place the point totals from parts 1 through 7 on the Point Calculation page.
3. Add up the point totals.
4. Submit the Environmental Audit to the governing body or owner for review and approval.
5. The governing body must pass a resolution which contains the following items:
 - a. The resolution or letter must acknowledge the governing body or owner has reviewed the Environmental Audit.
 - b. This resolution must indicate specific actions, if any, will be taken to maintain compliance and prevent effluent violations. Proposed actions should address the parts where maximum or close to maximum points were generated in the Environmental Audit.
 - c. The resolution should provide any other information the governing body deems appropriate.

Permit #: **LA0036421**

PART 1: INFLUENT FLOW/LOADINGS (all plants)

A. List the average monthly volumetric flows and BOD loadings received at your facility during the last reporting year.

Column 1 Average Monthly Flow (million gallons per day, MGD)		Column 2 Average Monthly BOD ₅ Concentration (mg/l)		Column 3 Average Monthly BOD ₅ Loading (pounds per day, lb/day)
9.94	x	129	x 8.34 =	10,694
12.93	x	95	x 8.34 =	10,244
9.46	x	134	x 8.34 =	10,572
17.73	x	78	x 8.34 =	11,534
12.92	x	86	x 8.34 =	9,267
16.56	x	74	x 8.34 =	10,220
11.88	x	143	x 8.34 =	14,168
9.00	x	158	x 8.34 =	11,859
9.82	x	131	x 8.34 =	10,729
11.42	x	102	x 8.34 =	9,715
10.28	x	105	x 8.34 =	9,002
11.06	x	104	x 8.34 =	9,593

BOD loading = Average Monthly Flow (in MGD) x Average Monthly BOD concentration (in mg/l) x 8.34

B. List the design flow and design BOD loading for your facility in the blanks below. If you are not aware of these design quantities, refer to your Operation and Maintenance (O&M) Manual or contact your consulting engineer.

Design Flow, MGD:	32	x 0.90 =	28.80
Design BOD, lb/day:	55,244	x 0.90 =	49,720

Permit #:

LA0036421

- C. How many months did the monthly flow (Column 1) to the wastewater treatment facility (WWTF) exceed 90% of design flow? Circle the number of months and the corresponding point total. Write the point total in the box below at the right.

months	(0)	1	2	3	4	5	6	7	8	9	10	11	12
points	(0)	0	0	0	0	5	5	5	5	5	5	5	5

Write 0 or 5 in the C point total box C Point Total

- D. How many months did the monthly flow (Column 1) to the WWTF exceed the design flow? Circle the number of months and corresponding point total. Write the point total in the box below at the right.

months	(0)	1	2	3	4	5	6	7	8	9	10	11	12
points	(0)	5	5	10	10	15	15	15	15	15	15	15	15

Write 0, 5, 10 or 15 in the D point total box D Point Total

- E. How many months did the monthly BOD loading (Column 3) to the WWTF exceed 90% of the design loading? Circle the number of months and corresponding point total. Write the point total in the box below at the right.

months	(0)	1	2	3	4	5	6	7	8	9	10	11	12
points	(0)	0	5	5	5	10	10	10	10	10	10	10	10

Write 0, 5, or 10 in the E point total box E Point Total

- F. How many months did the monthly BOD loading (Column 3) to the WWTF exceed the design loading? Circle the number of months and corresponding point total. Write the point total in the box below at the right.

months	(0)	1	2	3	4	5	6	7	8	9	10	11	12
points	(0)	10	20	30	40	50	50	50	50	50	50	50	50

Write 0, 10, 20, 30, 40 or 50 in the F point total box F Point Total

- G. Add together each point total for C through F and place this sum in the box below at the right.

TOTAL POINT VALUE FOR PART 1: (max = 80)

Also enter this value or 80, whichever is less, on the point calculation table on page 16.

Permit #: **LA0036421**

PART 2: EFFLUENT QUALITY / PLANT PERFORMANCE

A. List the monthly average effluent BOD and TSS concentrations produced by your facility during the last reporting year.

Month	Column 1 Average Monthly BOD (mg/l)	Column 2 Average Monthly TSS (mg/l)
SEPTEMBER	25	20
OCTOBER	25	23
NOVEMBER	25	22
DECEMBER	29	25
JANUARY	30	24
FEBRUARY	24	21
MARCH	24	23
APRIL	24	20
MAY	21	21
JUNE	19	18
JULY	17	16
AUGUST	20	14

B. List the monthly average permit limits for your facility in the blanks below.

	Permit Limit		90% of Permit Limit
BOD, mg/l	30	x 0.90 =	27
TSS, mg/l	30	x 0.90 =	27

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C. Continuous Discharge to Surface Water.

- i. How many months did the effluent BOD (Column 1) exceed 90% of the permit limits? Circle the number of months and the corresponding point total. Write the point total in the box below at the right.

months	0	1	2	3	4	5	6	7	8	9	10	11	12
points	0	0	10	20	30	40	40	40	40	40	40	40	40

Write 0, 10, 20, 30 or 40 in the i point total box i Point Total

- ii. How many months did the effluent BOD (Column 1) exceed permit limits? Circle the number of months and corresponding point total. Write the point total in the box below at the right.

months	0	1	2	3	4	5	6	7	8	9	10	11	12
points	0	5	5	10	10	10	10	10	10	10	10	10	10

Write 0, 5, or 10 in the ii point total box ii Point Total

- iii. How many months did the effluent TSS (Column 2) exceed 90% of the permit limits? Circle the number of months and the corresponding point total. Write the point total in the box below at the right.

months	0	1	2	3	4	5	6	7	8	9	10	11	12
points	0	0	10	20	30	40	40	40	40	40	40	40	40

Write 0, 10, 20, 30 or 40 in the iii point total box iii Point Total

- iv. How many months did the effluent TSS (Column 2) exceed permit limits? Circle the number of months and corresponding point total. Write the point total in the box below at the right.

months	0	1	2	3	4	5	6	7	8	9	10	11	12
points	0	5	5	10	10	10	10	10	10	10	10	10	10

Write 0, 5, or 10 in the iv point total box iv Point Total

- v. Add together each point total for i through iv and place this sum in the box below at the right.

TOTAL POINT VALUE FOR PART 2: (max = 100)

Also enter this value or 100, whichever is less, on the point calculation table on page 16.

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D. Other Monitoring and Limitations

- i. At any time in the past year was there an exceedance of a permit limit for other pollutants such as: ammonia-nitrogen, phosphorus, pH, total residual chlorine, or fecal coliform?

√ Check one box.

Yes

No

If Yes, Please describe:

- ii. At any time in the past year was there a "failure" of a Biomonitoring (Whole Effluent Toxicity) test of the effluent?

√ Check one box.

Yes

No

If Yes, Please describe:

- iii. At any time in the past year was there an exceedance of a permit limit for a toxic substance?

√ Check one box.

Yes

No

If Yes, Please describe:

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PART 3: AGE OF THE WASTEWATER TREATMENT FACILITY

A. What year was the wastewater treatment facility constructed or last major expansion/improvements completed?

1998

Current Year - Answer to A = Age in years

2010

1998

12

Enter Age in Part C below.

B. Check the type of treatment facility that is employed.

FACTOR:

<input checked="" type="checkbox"/>	Mechanical Treatment Plant (trickling filter, activated sludge, etc...) Specify Type: _____	(2.5)
_____	Aerated Lagoon	2.0
_____	Stabilization Pond	1.5
_____	Other Specify Type: _____	1.0

C. Multiply the factor listed next to the type of facility your community employs by the age of your facility to determine the total point value for Part 3.

TOTAL POINT VALUE FOR PART 3 =

$$\frac{2.5}{\text{Factor}} \times \frac{12}{\text{Age}} = \boxed{30} \text{ (max = 50)}$$

Also enter this value or 50, whichever is less, on the point calculation table on page 16.

D. Please attach a schematic of the treatment plant.

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PART 4: OVERFLOWS AND BYPASSES

A.
i. List the number of times in the last year there was an overflow, bypass or unpermitted discharge of untreated or incompletely treated wastewater due to heavy rain:

1 ✓ Check one box. 0 = 0 points 3 = 15 points
 1 = 5 points 4 = 30 points
 2 = 10 points 5 or more = 50 points

ii. List the number of bypasses, overflows or unpermitted discharges shown in A (i) that were within the collection system and the number at the treatment plant

Collection System: 0 Treatment Plant: 1

B.
i. List the number of times in the last year there was an overflow, bypass or unpermitted discharge of untreated or incompletely treated wastewater due to equipment failure, either at the treatment plant or due to pumping problems in the collection system:

16 ✓ Check one box. 0 = 0 points 3 = 15 points
 1 = 5 points 4 = 30 points
 2 = 10 points 5 or more = 50 points

ii. List the number of bypasses, overflows or unpermitted discharges shown in B (i) that were within the collection system and the number at the treatment plant

Collection System: 10 Treatment Plant: 6

C. Specify whether the bypasses came from the city/village/town sewer system or from contract or tributary communities/sanitary districts, etc...

D. Add the point values checked for A and B and place the total in the box below.

TOTAL POINT VALUE FOR PART 4: 55 (max = 100)

Also enter this value or 100, whichever is less, on the point calculation table on page 16.

E. List the person responsible (name and title) for reporting overflows, bypasses or unpermitted discharges to State and Federal authorities:

CHARLES M. O'BRIEN, WASTEWATER LABORATORY SUPERVISOR (225) 389-3240

Describe the procedure for gathering, compiling and reporting:

THE PROCEDURE FOR GATHERING, COMPILING, AND REPORTING IS SPECIFIED IN THE PERMIT.

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PART 5: SLUDGE STORAGE AND DISPOSAL SITES

A. Sludge Storage

How many months of sludge storage capacity does your facility have available, either on-site or off-site?

Circle the number of months and the corresponding point total. Write the point total in the box below at the right.

<i>months</i>	<2	2	3	4-5	>6
<i>points</i>	50	30	20	10	0

Write 0, 10, 20, 30 or 40 in the A point total box A Point Total

B. For how many months does your facility have access to (and approval for) sufficient land disposal sites to provide proper land disposal?

Circle the number of months and the corresponding point total. Write the point total in the box below at the right.

<i>months</i>	<2	6-11	12-23	24-35	>36
<i>points</i>	50	30	20	10	0

Write 0, 10, 20, 30 or 40 in the B point total box B Point Total

C. Add together the A and B point values and place the sum in the box below at the right:

TOTAL POINT VALUE FOR PART 5: (max = 100)

Also enter this value or 100, whichever is less, on the point calculation table on page 16.

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PART 6: NEW DEVELOPMENT

- A. Please provide the following information for the total of all sewer line extensions which were installed during the last year.

Design Population: 0
Design Flow: 0 MGD
Design BOD: 0 mg/l

- B. Has an industry (or other development) moved into the community or expanded production in the past year, such that either flow or pollutant loadings to the sewerage system were significantly increased (5% or greater)?

✓ Check one box. Yes = 15 points No = 0 points

If Yes, Please describe:

List any new pollutants:

- C. Is there any development (industrial, commercial or residential) anticipated in the next 2-3 years, such that either flow or pollutant loadings to the sewerage system could significantly increase?

✓ Check one box. Yes = 15 points No = 0 points

If Yes, Please describe:

List any new pollutants you anticipate:

- D. Add together the point value checked in B and C and place the sum in the box below.

TOTAL POINT VALUE FOR PART 6: (max = 30)

Also enter this value or 30, whichever is less, on the point calculation table on page 16.

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PART 7: OPERATOR CERTIFICATION AND EDUCATION

A. What was the name of the operator-in-charge for the reporting year?

Name: Calvin Hayes

B. What is his or her certification number:

Cert.#: 07130

C. What level of certification is the operator-in-charge required to have to operate the wastewater treatment facility?

Level Required: Wastewater Treatment IV

D. What is the level of certification of the operator-in-charge?

Level Certified: Wastewater Treatment IV

E. Was the operator-in-charge of the report year certified at least at the grade level required in order to operate this plant?

✓ Check one box. [X] Yes = 0 points [] No = 50 points

Write 0 or 50 in the E point total box [0] E Point Total

F. Has the operator-in-charge maintained recertification requirements during the reporting year?

✓ Check one box. [X] Yes [] No

G. How many hours of continuing education has the operator-in-charge completed over the last two calendar years?

✓ Check one box. [X] > 12 hours = 0 points [] < 12 hours = 50 points

Write 0 or 50 in the G point total box [0] G Point Total

H. Is there a written policy regarding continuing education an training for wastewater treatment plant employees?

✓ Check one box. [X] Yes [] No

Explain: The state of Louisiana requires that an operator have 16 hours of continuing education in a two-year period to maintain his/her certification.

I. What percentage of the continuing education expenses of the operator-in-charge were paid for:

By the permittee? 100% By the operator? 0%

J. Add together the E and G point vaules and place the sum in the box below at the right.

TOTAL POINT VALUE FOR PART 7: [0] (max = 100)

Also enter this value or 100, whichever is less, on the point calculation table on page 16.

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PART 8: FINANCIAL STATUS

A. Are User-Charge Revenues sufficient to cover operation and maintenance expenses?

√ Check one box.

Yes

No

If No, How are O&M costs financed?

SAME AS B

B. What financial resources do you have available to pay for your wastewater improvements and reconstruction needs?

WASTEWATER IMPROVEMENTS AND RECONSTRUCTION NEEDS ARE FUNDED FROM FOUR MAIN REVENUE SOURCES. THEY ARE A ONE HALF PERCENT SALES & USE TAX, SEWER USER FEES, SEWER IMPACT FEES, AND A \$4 MILLION SUBSIDY FROM THE GENERAL FUND SUPPORTED FROM GAMING REVENUES.

PART 9: SUBJECTIVE EVALUATION

A. Collection System Maintenance

- i. Describe what sewer system maintenance work has been done in the last year.

SEE ATTACHMENT

- ii. Describe what lift station work has been done in the last year.

SEE ATTACHMENT

- iii. What collection system improvements does the community have under construction for the next 5 years?

SEE ATTACHMENT

B. If you have ponds please answer the following questions:

√ Check one box.

- i. *Do you have duckweed buildup in the ponds?* Yes No
- ii. *Do you mow the dikes regularly (at least monthly), to the waters edge?* Yes No
- iii. *Do you have bushes or trees growing on the dikes or in the ponds?* Yes No
- iv. *Do you have excess sludge buildup (> 1foot) on the bottom of any of your ponds?* Yes No
- v. *Do you excercise all of your valves?* Yes No
- vi. *Are your control manholes in good structural shape?* Yes No
- vii. *Do you maintain at least 3 feet of freeboard in all of your ponds?* Yes No
- viii. *Do you visit your pond system at least weekly?* Yes No

LA0036421 CENTRAL PLANT

LA MWPP Environmental Audit

Part 9: Subjective Evaluation

A1. As part of the Consent Decree, Operation and Maintenance of the Central Treatment Plant Collection Area is performed and reported on a quarterly basis. The following table is a breakdown/summary of activities performed within the Central Treatment Plant Collection System Area during the reporting period.

Central Treatment Area
Monitoring Period (9/09 – 8/10)

Line Cleaning	17%
CCTV Inspections	13%
Smoke Testing	0%
Dye Testing	0%
Manhole Inspection	6%
Line Repaired	3%
Manhole Rehabilitation	0%
Force Main-Inspections	0%
Repaired	0%
Air Release Valves-Inspections	0%
Repaired	0%
Wet Well Cleaned	57%
Pump Stations-Repaired	10%

A2. Only Routine maintenance has been done on pump stations within the Central Treatment Plant Collection Area.

A3. The attached Capital Improvement Plan outlines the construction projects that are currently in the planning phase, or currently under design, including estimated completion dates.

Baton Rouge MWPP Central Service Area Projects | 2010

RMAP2 Category 1 Projects: Comprehensive Sewer Basin Rehabilitation

Based on sewer system digital model analysis and flow monitoring, approximately twenty-six (26) sub-basins within the entire wastewater 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 1 presents the Category 1 comprehensive rehabilitation Central Basin projects and anticipated delivery milestone schedules. Project status summaries are provided for those projects already underway, current through September 30, 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.

TABLE 1 – CENTRAL BASIN				
EPA Consent Decree RMAP2 Milestones for Category 1 Projects				
<i>All RMAP2 Projects Will Have Milestone Completion Design Dates - 3rd Quarter 2013</i>				
	33% Construction Milestone	66% Construction Milestone	100% Construction Milestone	Project Status Summary
Milestone Date	4th QTR 2012	1st QTR 2014	4th QTR 2014	
Construction Status	Construction Functionally Complete	Construction Functionally Complete	Construction Functionally Complete	
Project Descriptions	RMAP2 Projects			
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". Final design completed on both phases. Phase A – advertisement for bids underway. NTP for construction expected 4 th quarter 2010. Phase B – advertisement for bids underway.
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 nd quarter 2011. Survey expected to be completed 2 nd quarter 2011. Design NTP expected late 2 nd 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 4 th quarter 2010. Survey expected to be completed 1 st quarter 2011. Design NTP expected 1 st quarter 2011.
Acadian Thruway - Claycut Road	✓			Now called "Acadian Thruway – Claycut Road Area Rehabilitation Project". Data analysis and basin characterization report expected to be completed early 1 st quarter 2011. Survey expected to be completed early 2 nd quarter 2011. Design NTP expected 2 nd quarter 2011.

Baton Rouge MWPP Central Service Area Projects | 2010

TABLE 1 – CENTRAL BASIN				
EPA Consent Decree RMAP2 Milestones for Category 1 Projects				
<i>All RMAP2 Projects Will Have Milestone Completion Design Dates - 3rd Quarter 2013</i>				
	33% Construction Milestone	66% Construction Milestone	100% Construction Milestone	Project Status Summary
Milestone Date	4th QTR 2012	1st QTR 2014	4th QTR 2014	
Construction Status	Construction Functionally Complete	Construction Functionally Complete	Construction Functionally Complete	
Project Descriptions	RMAP2 Projects			
Acadian Thruway - Perkins Road	✓			Now called "Acadian Thruway – Perkins Road Area Rehabilitation Project". Data analysis and basin characterization report underway. Basin characterization report expected to be completed 4 th quarter 2010. Survey expected to be completed early 1 st quarter 2011. Design NTP and design completion expected 1 st quarter 2011.
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".
East Boulevard - Government Street			✓	Now called "East Boulevard – Government Street Area Rehabilitation Project".

RMAP2 Category 2 Projects: 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 2 presents a list of Category 2 projects located in the Central Basin with corresponding milestone schedules. Project status summaries are provided for those projects already underway, current through September 30, 2010.

TABLE 2 – CENTRAL BASIN				
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			

Baton Rouge MWPP Central Service Area Projects | 2010

TABLE 2 – CENTRAL BASIN				
EPA Consent Decree RMAP Milestones for Category 2 Projects				
All RMAP2 Projects Will Have Milestone Completion Design Dates - 3rd Quarter 2013				
	33% Construction Milestone	66% Construction Milestone	100% Construction Milestone	Project Status Summary
Milestone Date	4th QTR 2012	1st QTR 2014	4th QTR 2014	
Construction Status	Construction Functionally Complete	Construction Functionally Complete	Construction Functionally Complete	
Project Descriptions				
RMAP2 Projects				
Capitol Lake Drive - Gayosa Street	✓			Now called "Capitol Lake – Gayosa Street Area Capacity Improvements". Final design of completed. A portion of 25 th and North Acadian Thruway Project will be included for bids in this project to eliminate construction conflicts. Advertisement for bids underway. Construction contractor expected to be selected and NTP for construction expected to be issues 4 th quarter 2010.
South Boulevard - St. Joseph Street	✓			Now called "South Boulevard – St. Joseph Street Sewer Area Upgrades". Construction NTP issued and construction on-going. Note that a portion of the 25 th and North Acadian Thruway Project will be included for bid in this project to eliminate construction conflicts.
Downtown Area - PS59 Improvements	✓			Now called "Downtown Area Pump Station Improvements". Project merged with Downtown Area PS15, PS19, and PS60 Improvements. Significant scope addition to project. Final design submitted and advertisement for bidding underway. Bid opening expected early 4 th quarter 2010.
Downtown Area - PS15, PS19 & PS60 Improvements	✓			Now called "Downtown Area Pump Station Improvements". Project merged with Downtown Area PS15, PS19, and PS60 Improvements. Significant scope addition to project. Final design submitted and advertisement for bidding underway. Bid opening expected early 4 th quarter 2010.
Highland Road - Buchanan Street	✓			Now called "Highland Road – Buchanan Street Sewer Area Upgrades". Advertisement for bids completed. Construction contractor selected and NTP issued. Construction on-going.
25th Street - North Acadian Thruway	✓			Final design submitted and reviewed. NOTE: Portions of this project to be bid with both the Capital Lake – Gayosa Drive Project, and the South Blvd. – St. Joseph Street Project to eliminate construction conflicts. Since design of 25 th – North Acadian Thruway is completed and construction work was combined with these two separate projects, this project has been closed. Please see status construction updates for the two projects mentioned above.

Baton Rouge MWPP Central Service Area Projects | 2010

TABLE 2 – CENTRAL BASIN				
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				
Government St - South Acadian Thruway		✓		60% design submitted and reviewed. 90% design expected to be submitted early 4 th quarter 2010. Design on-going.
Central Consolidation - Central PS42		✓		Now called "Pump Station 42". Design scope change completed. 60% design submitted and reviewed. 90% design expected to be submitted 4 th quarter 2010. Design on-going.
Central Consolidation - Central PS42 FM		✓		Now called "Pump Station 42 Forcemain". LSU board approved route through campus. 60% design submitted and reviewed. 90% design expected to be submitted 4 th quarter 2010. 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 4 th quarter 2010. Design on-going.
Central Consolidation Eastside FM's - FM from PS 2, 3, 7, 10, & 5		✓		Now called "Central Consolidated FM". 60% design submitted and under review. 90% design expected to be submitted 4 th quarter 2010. Design on-going.

RMAP2 Category 3 Projects: 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 Central WWTP. 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.

Central WWTP 2009 Annual Audit

	3rd QTR 2009	4th QTR 2009	1st QTR 2010	2nd QTR 2010	TOTAL	%
Line Cleaned	22,062	30,467	24,038	163,223	239,790	17%
CCTV Inspected	13,948	15,163	8,734	147,919	185,764	13%
Smoke Tested	3,180	0	600	2,319	6,099	0%
Dye Tested	0	0	0	0	0	0%
Manhole Inspected	43	2	38	280	363	6%
Line Repaired	47	74	34	39	194	3%
Manhole Rehabilitated	4	2	6	1	13	0%
Force Main - Inspected	0.0	0.0	0.0	0.0	0.0	0%
Repaired	0	0	0	0	0	0%
Air Release Valves - Inspected	0	0	0	0	0	0%
Repaired	0	0	0	0	0	0%
Wet Wells Cleaned	1	3	7	1	12	57%
Pump Stations - Repaired	2	0	0	0	2	10%

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C. Treatment Plants

- i. Have the influent and effluent flow meters been calibrated in the last year?

Yes No (✓ Check one box.)

01/12/2010
Influent flow meter calibration date(s)

01/12/2010
Effluent flow meter calibration date(s)

- ii. What problems, if any, have been experienced over the last year that have threatened treatment?

NONE

- iii. Is your community presently involved in formal planning for treatment facility upgrade?

✓ Check one box. Yes No *If Yes, Please describe:*

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D. Preventive Maintenance

- i. Does your plant have a written plan for preventive maintenance on major equipment items?

√ Check one box.

Yes

No

If Yes, Please describe:

Weekly, monthly and semi-annual preventive maintenance sheets that reflect type and frequency as specified in the O&M manuals. A new computer program will manage the maintenance and preventive maintenance of plant equipment and spare parts.

- ii. Does this preventive maintenance program depict frequency of intervals, types of lubrication and other preventive maintenance tasks necessary for each piece of equipment?

Yes

No

- iii. Are these preventive maintenance tasks, as well as equipment problems, being recorded and filed so future maintenance problems can be assured properly?

Yes

No

E. Sewer Use Ordinance

- i. Does your community have a sewer use ordinance that limits or prohibits the discharge of excessive conventional pollutants (BOD, TSS or pH) or toxic substances to the sewer system from industries, commercial users and residences?

√ Check one box.

Yes

No

If Yes, Please describe:

Sewer User Fee Ordinance (No. 7853) limits the discharge of BOD & TSS to 200 M.G./l and 250 M.G./l respectively. Any discharge above these limits is surcharged at a rate of 2% of the monthly sewer user fee for each limit of 10 M.G./l. Pretreatment Ordinance (No.

- ii. Has it been necessary to enforce?

√ Check one box.

Yes

No

If Yes, Please describe:

The Sewer User Fee Ordinance is strictly enforced by City-Parish and self monitoring sampling. The same apply to the Pretreatment Ordinance. Enforcement mechanisms include discharge permits, surcharges, letter of notice of violations, administrative orders, water termination and fines.

- iii. Any additional comments about your treatment plant or collection system? (Attach additional sheets if necessary.)

NO

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POINT CALCULATION TABLE

	Actual Values	Maximum
Part 1: <i>Influent Flow/Loadings</i>	<u>0</u>	80 points
Part 2: <i>Effluent Quality / Plant Performance</i>	<u>75</u>	100 points
Part 3: <i>Age of WWTF</i>	<u>30</u>	50 points
Part 4: <i>Overflows and Bypasses</i>	<u>65</u>	100 points
Part 5: <i>Ultimate Disposition of Sludge</i>	<u>10</u>	100 points
Part 6: <i>New Development</i>	<u>0</u>	30 points
Part 7: <i>Operator Certification Training</i>	<u>0</u>	100 points

TOTAL POINTS:

180

ATTACHMENT

SAMPLE MWPP RESOLUTION

Resolved that the village/town/city of BATON ROUGE informs the Louisiana Department of Environmental Quality that the following actions were taken by CITY/PARISH METROPOLITAN COUNCIL (governing body).

1. Resolved the Municipal Water Pollution Prevention Environmental Audit Report which is attached to this resolution.
2. Set forth the following actions necessary to maintain permit requirements contained in the Louisiana Pollution Discharge Elimination System (LPDES) permit, number LA 0036421 AI#4842 .

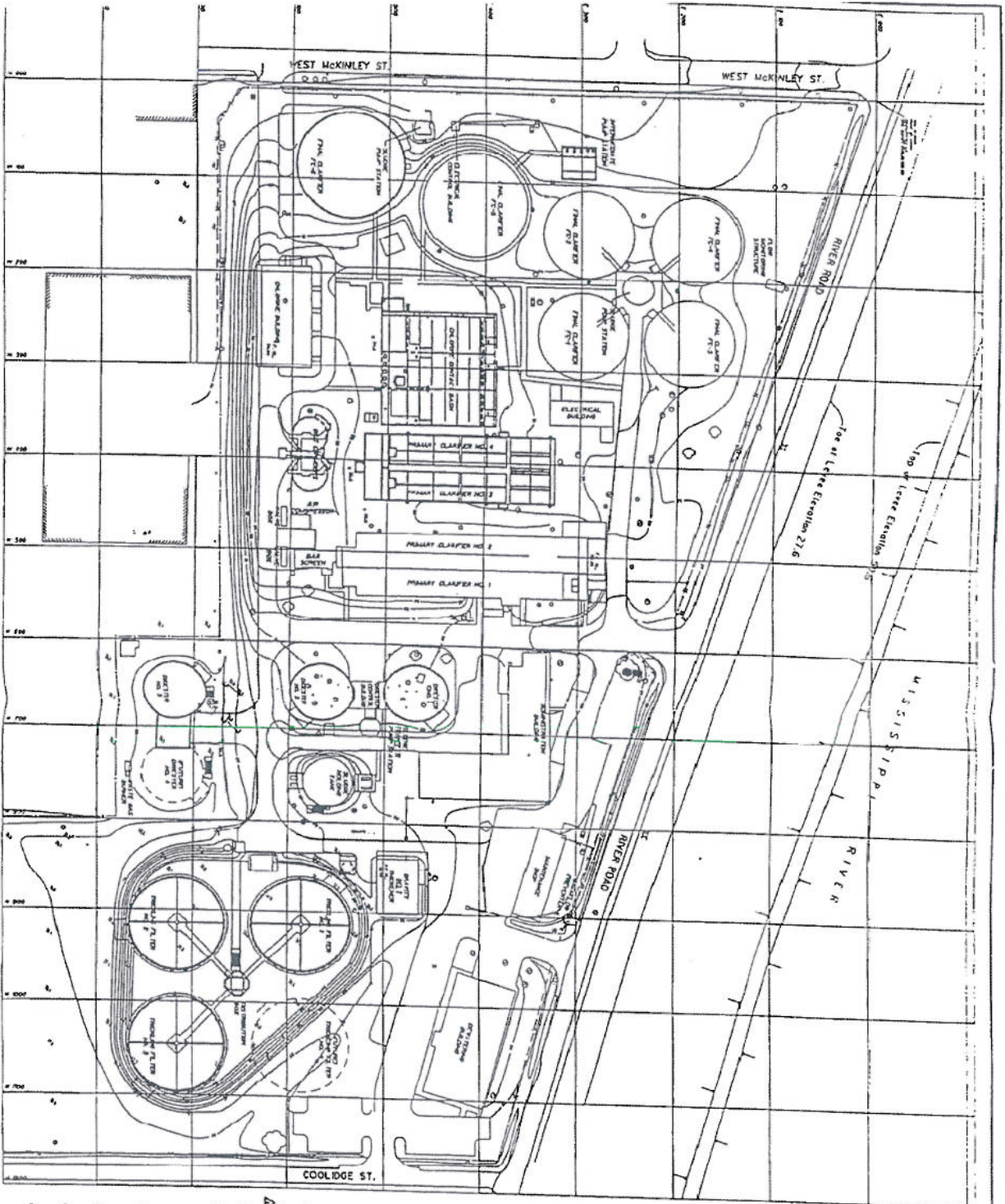
(Please be specific in listing the actions that will be taken to address the problems identified in the audit report.)

- a. CURRENTLY, WE ARE OPERATING UNDER A CONSENT DECREE WHICH BECAME EFFECTIVE MARCH 14, 2002.
- b.
- c.
- d.
- etc..

Passed by a majority (unanimous (circle one) vote of the CITY/PARISH METROPOLITAN COUNCIL on Nov. 23, 2010 (date).



CLERK



LA0036421

1. ALL EXISTING UTILITIES AND STRUCTURES TO REMAIN SHALL BE MAINTAINED AND PROTECTED THROUGHOUT THE CONSTRUCTION PERIOD. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION AND REPAIR OF ALL EXISTING UTILITIES AND STRUCTURES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION AND REPAIR OF ALL EXISTING UTILITIES AND STRUCTURES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION AND REPAIR OF ALL EXISTING UTILITIES AND STRUCTURES.
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6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION AND REPAIR OF ALL EXISTING UTILITIES AND STRUCTURES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION AND REPAIR OF ALL EXISTING UTILITIES AND STRUCTURES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION AND REPAIR OF ALL EXISTING UTILITIES AND STRUCTURES.
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PROJECT NO. 2-13-00/172
 SHEET NO. 3 OF 4
 DATE 11/17/02

CAMP DRESSER & MCKEE INC. CDM
 500 PINE STREET
 SUITE 2000
 NEW ORLEANS, LA 70112
 PROFESSIONAL ENGINEER LICENSE NO. 10000

CITY OF BATON ROUGE / PARISH OF EAST BATON ROUGE

PHASE-III
 CWTP-EXISTING SITE PLAN



Department of Public Works

City of Baton Rouge
Parish of East Baton Rouge

Post Office Box 1471
Baton Rouge, Louisiana
70821

Karen

COPY

November 2, 2010

Department of Environmental Quality
Office of Environmental Compliance
Permits Compliance Unit
Post Office Box 4312
Baton Rouge, Louisiana 70821-4312

Re: Municipal Water Pollution Prevention (MWPP) Environmental Audit Reports

LPDES PERMIT NUMBERS:

LA0036439 AI# 4843

LA0036421 AI# 4842

LA0036412 AI# 4841

Dear Sirs:

As required by your office, we are submitting the annual Municipal Water Pollution Prevention Environmental Audit reports along with the MWPP Resolutions. These reports represent our North, Central and South Wastewater Treatment Plants from September 1, 2009 to August 31, 2010.

If you have any questions concerning this matter, please contact Mr. Charles M. O'Brien of my staff at (225) 389-3240.

Sincerely yours,

Peter T. Newkirk, PE
Public Works Director

PTN/GD/pas

xc: Mary Roper, Parish Attorney
Cheryl Berry, PE, Special Projects Engineer
Charles M. O'Brien, Wastewater Laboratory Supervisor

Attachment(s):

LOUISIANA

MUNICIPAL WATER POLLUTION PREVENTION

MWPP



<i>Facility Name:</i>	City of Baton Rouge / Parish of East Baton Rouge / South Wastewater Treatment Plant
<i>LPDES Permit Number:</i>	LA0036412
<i>Agency Interest (AI) Number:</i>	4841
<i>Address:</i>	2850 Gardere Lane
	Baton Rouge
	Louisiana
<i>Parish:</i>	East Baton Rouge Parish
<i>(Person Completing Form) Name:</i>	Charles M. O'Brien
<i>Title:</i>	Wastewater Laboratory Supervisor
<i>Date Completed:</i>	October 22, 2010

INSTRUCTIONS

1. Complete only the sections of the Environmental Audit which apply to your wastewater treatment system. Leave sections that do not apply blank and enter a "0" for the point value.
2. Parts 1 through 7 contain questions for which points may be generated. These points are intended to communicate to the department and the governing body or owner what actions will be necessary to prevent effluent violations. Place the point totals from parts 1 through 7 on the Point Calculation page.
3. Add up the point totals.
4. Submit the Environmental Audit to the governing body or owner for review and approval.
5. The governing body must pass a resolution which contains the following items:
 - a. The resolution or letter must acknowledge the governing body or owner has reviewed the Environmental Audit.
 - b. This resolution must indicate specific actions, if any, will be taken to maintain compliance and prevent effluent violations. Proposed actions should address the parts where maximum or close to maximum points were generated in the Environmental Audit.
 - c. The resolution should provide any other information the governing body deems appropriate.

Permit #: LA0036412

PART I: INFLUENT FLOW/LOADINGS (all plants)

A. List the average monthly volumetric flows and BOD loadings received at your facility during the last reporting year.

Column 1 Average Monthly Flow (million gallons per day, MGD)		Column 2 Average Monthly BOD5 Concentration (mg/l)		Column 3 Average Monthly BOD5 Loading (pounds per day, lb/day)
30.40	x	125	x 8.34 =	31,692
41.98	x	84	x 8.34 =	29,410
33.08	x	116	x 8.34 =	32,003
53.14	x	77	x 8.34 =	34,125
38.02	x	99	x 8.34 =	31,392
49.10	x	85	x 8.34 =	34,807
37.26	x	131	x 8.34 =	40,708
32.06	x	134	x 8.34 =	35,829
36.31	x	120	x 8.34 =	36,339
39.35	x	102	x 8.34 =	33,474
33.63	x	103	x 8.34 =	28,889
39.70	x	114	x 8.34 =	37,745

BOD loading = Average Monthly Flow (in MGD) x Average Monthly BOD concentration (in mg/l) x 8.34

B. List the design flow and design BOD loading for your facility in the blanks below. If you are not aware of these design quantities, refer to your Operation and Maintenance (O&M) Manual or contact your consulting engineer.

Design Flow, MGD:	54	x 0.90 =	48.60
Design BOD, lb/day:	93,224	x 0.90 =	83,902

Permit #: LA0036412

- C. How many months did the monthly flow (Column 1) to the wastewater treatment facility (WWTF) exceed 90% of design flow? Circle the number of months and the corresponding point total. Write the point total in the box below at the right.

<i>months</i>	0	1	2	3	4	5	6	7	8	9	10	11	12
<i>points</i>	0	0	0	0	0	5	5	5	5	5	5	5	5

Write 0 or 5 in the C point total box 0 C Point Total

- D. How many months did the monthly flow (Column 1) to the WWTF exceed the design flow? Circle the number of months and corresponding point total. Write the point total in the box below at the right.

<i>months</i>	0	1	2	3	4	5	6	7	8	9	10	11	12
<i>points</i>	0	5	5	10	10	15	15	15	15	15	15	15	15

Write 0, 5, 10 or 15 in the D point total box 0 D Point Total

- E. How many months did the monthly BOD loading (Column 3) to the WWTF exceed 90% of the design loading? Circle the number of months and corresponding point total. Write the point total in the box below at the right.

<i>months</i>	0	1	2	3	4	5	6	7	8	9	10	11	12
<i>points</i>	0	0	5	5	5	10	10	10	10	10	10	10	10

Write 0, 5, or 10 in the E point total box 0 E Point Total

- F. How many months did the monthly BOD loading (Column 3) to the WWTF exceed the design loading? Circle the number of months and corresponding point total. Write the point total in the box below at the right.

<i>months</i>	0	1	2	3	4	5	6	7	8	9	10	11	12
<i>points</i>	0	10	20	30	40	50	50	50	50	50	50	50	50

Write 0, 10, 20, 30, 40 or 50 in the F point total box 0 F Point Total

- G. Add together each point total for C through F and place this sum in the box below at the right.

TOTAL POINT VALUE FOR PART 1: 0 (max = 80)

Also enter this value or 80, whichever is less, on the point calculation table on page 16.

Permit #: LA0036412

PART 2: EFFLUENT QUALITY / PLANT PERFORMANCE

A. List the monthly average effluent BOD and TSS concentrations produced by your facility during the last reporting year.

Month	Column 1 Average Monthly BOD (mg/l)	Column 2 Average Monthly TSS (mg/l)
SEPTEMBER	30	22
OCTOBER	32	28
NOVEMBER	36	26
DECEMBER	30	28
JANUARY	37	29
FEBRUARY	29	21
MARCH	37	27
APRIL	38	29
MAY	34	28
JUNE	31	26
JULY	31	23
AUGUST	30	20

B. List the monthly average permit limits for your facility in the blanks below.

	Permit Limit		90% of Permit Limit
BOD, mg/l	30	x 0.90 =	27
TSS, mg/l	30	x 0.90 =	27

Permit #: **LA0036412**

C. Continuous Discharge to Surface Water.

- i. How many months did the effluent BOD (Column 1) exceed 90% of the permit limits? Circle the number of months and the corresponding point total. Write the point total in the box below at the right.

months	0	1	2	3	4	5	6	7	8	9	10	11	12
points	0	0	10	20	30	40	40	40	40	40	40	40	40

Write 0, 10, 20, 30 or 40 in the i point total box i Point Total

- ii. How many months did the effluent BOD (Column 1) exceed permit limits? Circle the number of months and corresponding point total. Write the point total in the box below at the right.

months	0	1	2	3	4	5	6	7	8	9	10	11	12
points	0	5	5	10	10	10	10	10	10	10	10	10	10

Write 0, 5, or 10 in the ii point total box ii Point Total

- iii. How many months did the effluent TSS (Column 2) exceed 90% of the permit limits? Circle the number of months and the corresponding point total. Write the point total in the box below at the right.

months	0	1	2	3	4	5	6	7	8	9	10	11	12
points	0	0	10	20	30	40	40	40	40	40	40	40	40

Write 0, 10, 20, 30 or 40 in the iii point total box iii Point Total

- iv. How many months did the effluent TSS (Column 2) exceed permit limits? Circle the number of months and corresponding point total. Write the point total in the box below at the right.

months	0	1	2	3	4	5	6	7	8	9	10	11	12
points	0	5	5	10	10	10	10	10	10	10	10	10	10

Write 0, 5, or 10 in the iv point total box iv Point Total

- v. Add together each point total for i through iv and place this sum in the box below at the right.

TOTAL POINT VALUE FOR PART 2: (max = 100)

Also enter this value or 100, whichever is less, on the point calculation table on page 16.

Permit #: LA0036412

D. Other Monitoring and Limitations

- i. At any time in the past year was there an exceedance of a permit limit for other pollutants such as: ammonia-nitrogen, phosphorus, pH, total residual chlorine, or fecal coliform?

√ Check one box. Yes No *If Yes, Please describe:*

FECAL COLIFORM	8/3-9/2010	427 col./100ML
----------------	------------	----------------

- ii. At any time in the past year was there a "failure" of a Biomonitoring (Whole Effluent Toxicity) test of the effluent?

√ Check one box. Yes No *If Yes, Please describe:*

--

- iii. At any time in the past year was there an exceedance of a permit limit for a toxic substance?

√ Check one box. Yes No *If Yes, Please describe:*

--

Permit #: LA0036412

PART 3: AGE OF THE WASTEWATER TREATMENT FACILITY

A. What year was the wastewater treatment facility constructed or last major expansion/improvements completed?

$$\begin{array}{rcccl} & & 1998 & & \\ & & \hline \text{Current Year} & - & \text{Answer to A} & = & \text{Age in years} \\ & & & & \\ \hline 2010 & & 1998 & & 12 \end{array}$$

Enter Age in Part C below.

B. Check the type of treatment facility that is employed.

		FACTOR:
<input checked="" type="checkbox"/>	Mechanical Treatment Plant (trickling filter, activated sludge, etc...) Specify Type: _____	2.5
<input type="checkbox"/>	Aerated Lagoon	2.0
<input type="checkbox"/>	Stabilization Pond	1.5
<input type="checkbox"/>	Other Specify Type: _____	1.0

C. Multiply the factor listed next to the type of facility your community employs by the age of your facility to determine the total point value for Part 3.

TOTAL POINT VALUE FOR PART 3 =

$$\frac{2.5}{\text{Factor}} \times \frac{12}{\text{Age}} = \boxed{30} \text{ (max = 50)}$$

Also enter this value or 50, whichever is less, on the point calculation table on page 16.

D. Please attach a schematic of the treatment plant.

Permit #: LA0036412

PART 4: OVERFLOWS AND BYPASSES

A.

- i. List the number of times in the last year there was an overflow, bypass or unpermitted discharge of untreated or incompletely treated wastewater due to heavy rain:

4 ✓ Check one box. 0 = 0 points 3 = 15 points
 1 = 5 points 4 = 30 points
 2 = 10 points 5 or more = 50 points

- ii. List the number of bypasses, overflows or unpermitted discharges shown in A (i) that were within the collection system and the number at the treatment plant

Collection System: 2 Treatment Plant: 2

B.

- i. List the number of times in the last year there was an overflow, bypass or unpermitted discharge of untreated or incompletely treated wastewater due to equipment failure, either at the treatment plant or due to pumping problems in the collection system:

53 ✓ Check one box. 0 = 0 points 3 = 15 points
 1 = 5 points 4 = 30 points
 2 = 10 points 5 or more = 50 points

- ii. List the number of bypasses, overflows or unpermitted discharges shown in B (i) that were within the collection system and the number at the treatment plant

Collection System: 47 Treatment Plant: 6

- C. Specify whether the bypasses came from the city/village/town sewer system or from contract or tributary communities/sanitary districts, etc...

- D. Add the point values checked for A and B and place the total in the box below.

TOTAL POINT VALUE FOR PART 4: 80 (max = 100)

Also enter this value or 100, whichever is less, on the point calculation table on page 16.

- E. List the person responsible (name and title) for reporting overflows, bypasses or unpermitted discharges to State and Federal authorities:

CHARLES M. O'BRIEN, WASTEWATER LABORATORY SUPERVISOR (225) 389-3240

Describe the procedure for gathering, compiling and reporting:

THE PROCEDURE FOR GATHERING, COMPILING, AND REPORTING IS SPECIFIED IN THE PERMIT.

Permit #: LA0036412

PART 5. SLUDGE STORAGE AND DISPOSAL SITES

A. Sludge Storage

How many months of sludge storage capacity does your facility have available, either on-site or off-site?

Circle the number of months and the corresponding point total. Write the point total in the box below at the right.

<i>months</i>	<2	2	3	4-5	>6
<i>points</i>	50	30	20	10	0

Write 0, 10, 20, 30 or 40 in the A point total box A Point Total

B. For how many months does your facility have access to (and approval for) sufficient land disposal sites to provide proper land disposal?

Circle the number of months and the corresponding point total. Write the point total in the box below at the right.

<i>months</i>	<2	6-11	12-23	24-35	>36
<i>points</i>	50	30	20	10	0

Write 0, 10, 20, 30 or 40 in the B point total box B Point Total

C. Add together the A and B point values and place the sum in the box below at the right:

TOTAL POINT VALUE FOR PART 5: (max = 100)

Also enter this value or 100, whichever is less, on the point calculation table on page 16.

Permit #:

LA0036412

PART 6: NEW DEVELOPMENT

- A.** Please provide the following information for the total of all sewer line extensions which were installed during the last year.

Design Population: 6728
Design Flow: 2.02 MGD
Design BOD: 200 mg/l

- B.** Has an industry (or other development) moved into the community or expanded production in the past year, such that either flow or pollutant loadings to the sewerage system were significantly increased (5% or greater)?

√ Check one box. Yes = 15 points No = 0 points

If Yes, Please describe:

List any new pollutants:

- C.** Is there any development (industrial, commercial or residential) anticipated in the next 2-3 years, such that either flow or pollutant loadings to the sewerage system could significantly increase?

√ Check one box. Yes = 15 points No = 0 points

If Yes, Please describe:

List any new pollutants you anticipate:

- D.** Add together the point value checked in B and C and place the sum in the box below.

TOTAL POINT VALUE FOR PART 6: (max = 30)

Also enter this value or 30, whichever is less, on the point calculation table on page 16.

Permit #: LA0036412

PART 7: OPERATOR CERTIFICATION AND EDUCATION

A. What was the name of the operator-in-charge for the reporting year?

Name: Hugh Taylor

B. What is his or her certification number:

Cert.#: 10-628

C. What level of certification is the operator-in-charge required to have to operate the wastewater treatment facility?

Level Required: Wastewater Treatment IV

D. What is the level of certification of the operator-in-charge?

Level Certified: Wastewater Treatment IV

E. Was the operator-in-charge of the report year certified at least at the grade level required in order to operate this plant?

√ Check one box. Yes = 0 points No = 50 points

Write 0 or 50 in the E point total box E Point Total

F. Has the operator-in-charge maintained recertification requirements during the reporting year?

√ Check one box. Yes No

G. How many hours of continuing education has the operator-in-charge completed over the last two calendar years?

√ Check one box. > 12 hours = 0 points < 12 hours = 50 points

Write 0 or 50 in the G point total box G Point Total

H. Is there a written policy regarding continuing education an training for wastewater treatment plant employecs?

√ Check one box. Yes No

Explain: The state of Louisiana requires that an operator have 16 hours of continuing education in a two-year period to maintain his/her certification.

I. What percentage of the continuing education expenses of the oprcator-in-charge were paid for:

By the permittee? 100% By the operator? 0%

J. Add together the E and G point values and place the sum in the box below at the right.

TOTAL POINT VALUE FOR PART 7: (max = 100)

Also enter this value or 100, whichever is less, on the point calculation table on page 16.

Permit #: LA0036412

PART 8: FINANCIAL STATUS

A. Are User-Charge Revenues sufficient to cover operation and maintenance expenses?

✓ Check one box.

Yes

No

If No, How are O&M costs financed?

SAME AS B

B. What financial resources do you have available to pay for your wastewater improvements and reconstruction needs?

WASTEWATER IMPROVEMENTS AND RECONSTRUCTION NEEDS ARE FUNDED FROM FOUR MAIN REVENUE SOURCES. THEY ARE A ONE HALF PERCENT SALES & USE TAX, SEWER USER FEES, SEWER IMPACT FEES, AND A \$4 MILLION SUBSIDY FROM THE GENERAL FUND SUPPORTED FROM GAMING REVENUES.

Permit #:

LA0036412

PART 9: SUBJECTIVE EVALUATION

A. Collection System Maintenance

- i. Describe what sewer system maintenance work has been done in the last year.

SEE ATTACHMENT

- ii. Describe what lift station work has been done in the last year.

SEE ATTACHMENT

- iii. What collection system improvements does the community have under construction for the next 5 years?

SEE ATTACHMENT

B. If you have ponds please answer the following questions:

√ Check one box.

- | | | |
|---|------------------------------|-----------------------------|
| i. Do you have duckweed buildup in the ponds? | <input type="checkbox"/> Yes | <input type="checkbox"/> No |
| ii. Do you mow the dikes regularly (at least monthly), to the waters edge? | <input type="checkbox"/> Yes | <input type="checkbox"/> No |
| iii. Do you have bushes or trees growing on the dikes or in the ponds? | <input type="checkbox"/> Yes | <input type="checkbox"/> No |
| iv. Do you have excess sludge buildup (> 1foot) on the bottom of any of your ponds? | <input type="checkbox"/> Yes | <input type="checkbox"/> No |
| v. Do you excersise all of your valves? | <input type="checkbox"/> Yes | <input type="checkbox"/> No |
| vi. Are your control manholes in good structural shape? | <input type="checkbox"/> Yes | <input type="checkbox"/> No |
| vii. Do you maintain at least 3 feet of freeboard in all of your ponds? | <input type="checkbox"/> Yes | <input type="checkbox"/> No |
| viii. Do you visit your pond system at least weekly? | <input type="checkbox"/> Yes | <input type="checkbox"/> No |

LA0036412 SOUTH PLANT

LA MWPP Environmental Audit

PART 9: Subjective Evaluation

- A1. As part of the Consent Decree, Operation and Maintenance of the South Treatment Plant Collection Area is performed and reported on a quarterly basis. The following table is a breakdown/summary of activities performed within the South Treatment Plant Collection System Area during the reporting period.

South Treatment Area
Monitoring Period (9/09 – 8/10)

Line Cleaning	12%
CCTV Inspections	7%
Smoke Testing	0%
Dye Testing	0%
Manhole Inspection	10%
Line Repaired	8%
Manhole Rehabilitation	4%
Force Main-Inspections	57%
Repaired	24%
Air Release Valves-Inspections	176%
Repaired	109%
Wet Well Cleaned	104%
Pump Stations-Repaired	20%

- A2. As shown above, an extensive routine pump station maintenance program is in place. Additionally, the attached Capital Improvement Plan outlines the construction projects that have been completed.
- A3. The attached Capital Improvement Plan outlines the construction projects that are currently in the planning phase, or currently under design, including estimated completion dates.

Baton Rouge MWPP South Service Area Projects | 2010

RMAP2 Category 1 Projects: Comprehensive Sewer Basin Rehabilitation

Based on sewer system digital model analysis and flow monitoring, approximately twenty-six (26) sub-basins within the entire wastewater 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 1 presents the Category 1 comprehensive rehabilitation South Basin projects and anticipated delivery milestone schedules. Project status summaries are provided for those projects already underway, current through September 30, 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.

TABLE 1 - SOUTH BASIN				
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				
Jefferson Hwy – HooShooToo Road	✓			Project completed – 3 rd quarter 2009.
Staring Lane - Boone Drive	✓			Now called "Staring Lane – Boone Drive Area Rehabilitation Project". Project completed – 2 nd quarter 2010.
Gardere Lane - Burbank Road	✓			Now called "Burbank Drive – Gardere Lane Area Rehabilitation Project". Construction approximately 85% completed and is on-going. Entergy utility coordination issues with timing remaining point repairs. Project is expected to be completed 4 th quarter 2010.
Oak Villa Blvd - Choctaw Street	✓			Now called "Oak Villa –Choctaw Street Area Rehabilitation Project". Construction approximately 90% completed and on-going.
Sharp Road - Florida Blvd	✓			Now called "Sharp Road – Florida Boulevard Area Rehabilitation Project". Construction contractor selected. NTP issued. Construction expected to begin 4 th quarter 2010.
Kenilworth Blvd - Boone Drive	✓			Now called "Kenilworth Boulevard – Boone Drive Area Rehabilitation Project". Final design completed. Study results submitted. Project expected to begin advertisement for bids early 4 th quarter 2010.
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 –Data

TABLE 1 – SOUTH BASIN				
EPA Consent Decree RMAP2 Milestones for Category 1 Projects				
<i>All RMAP2 Projects Will Have Milestone Completion Design Dates - 3rd Quarter 2013</i>				
	33% Construction Milestone	66% Construction Milestone	100% Construction Milestone	Project Status Summary
Milestone Date	4th QTR 2012	1st QTR 2014	4th QTR 2014	
Construction Status	Construction Functionally Complete	Construction Functionally Complete	Construction Functionally Complete	
Project Descriptions	RMAP2 Projects			
				analysis and basin characterization report submitted and under review. Survey expected to be completed early 4 th quarter 2010. Design NTP and design expected 4 th quarter 2010. Phase II - Data analysis and basin characterization report underway. Basin characterization report expected to be completed 4 th quarter 2010. NTP for design expected 4 th quarter 2010.
Airline Highway - Goodwood Blvd		✓		Project split up into 2 phases for ease of execution. Overall scope the same. Now called "Airline Highway – Goodwood Blvd Phase I Area Rehabilitation Project" and "Airline Highway – Goodwood Blvd Phase II Area Rehabilitation Project".
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".
Siegen Lane - Interstate 10		✓		Now called "Siegen Lane – Interstate 10 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".
North 38th Street - Gus Young Avenue			✓	Now called "North 38 th Street – Gus Young Avenue Area Rehabilitation Project".

RMAP2 Category 2 Projects: 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 2 presents a list of Category 2 projects located in the South Basin with corresponding milestone schedules. Project status summaries are provided for those projects already underway, current through September 30, 2010.

TABLE 2 – SOUTH BASIN	
EPA Consent Decree RMAP Milestones for Category 2 Projects	
<i>All RMAP2 Projects Will Have Milestone Completion Design Dates - 3rd Quarter 2013</i>	

Baton Rouge MWPP South Service Area Projects | 2010

	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				
Gurney Road - Joor Road	✓			Project completed – 4 th quarter 2009.
Multiple Pump Stations - Lovett Road Area	✓			Also called "Sullivan Rd./Lovett Rd./Wax Rd. Sewer Upgrades". Approximately 85% completed with construction. Construction on-going.
Comite Road - Foster Road	✓			<p>Now called "Comite Road – Foster Road Sewer Area Upgrades - Phase I". Phase I – Project completed – 2nd quarter 2010. Final change order under review/approval.</p> <p>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.</p>
Foster Road - Hooper Road	✓			Now called "Foster Road – Hooper Road Sewer Area Upgrade". Construction is 92% completed and is on-going.
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 –Final design submitted and approved. Advertisement for bids underway and bid opening and construction NTP expected in 4th quarter 2010.</p> <p>Phase II –Final design completed, though advertisement on hold due to land acquisition issues. Advertisement expected early 1st quarter 2011. Phase III - Final design completed. Advertisement for bids expected to begin 4th quarter 2010. Phase IV - Final design completed. Advertisement for bids underway and bid opening and construction NTP expected in 4th quarter 2010.</p>

Baton Rouge MWPP South Service Area Projects | 2010

TABLE 2 – SOUTH BASIN				
EPA Consent Decree RMAP Milestones for Category 2 Projects				
All RMAP2 Projects Will Have Milestone Completion Design Dates - 3rd Quarter 2013				
	33% Construction Milestone	66% Construction Milestone	100% Construction Milestone	Project Status Summary
Milestone Date	4th QTR 2012	1st QTR 2014	4th QTR 2014	
Construction Status	Construction Functionally Complete	Construction Functionally Complete	Construction Functionally Complete	
Project Descriptions				
RMAP2 Projects				
North Capacity Group 1A - Veterans Memorial Parkway - Gravity Mains		✓		Now called "Group Project 1A (Metro Airport Sewer Upgrades)". Final design submitted. Advertisement for bids expected 4 th quarter 2010.
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. 90% design submitted and under review. Final design expected 4 th quarter 2010. Advertisement for bids expected 4 th quarter 2010. Design on-going.
Plank Road - Kleinpeter Road		✓		Now called "Plank Road – Kleinpeter Road Sewer Area Upgrades". 60% design submitted and is currently under review. Final design expected to be submitted 4 th quarter 2010. Design on-going.
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			✓	
Joor Road - Greenwell Springs Road			✓	
Plank Road - Port Hudson Pride Road			✓	
Lovett Road - Greenwell Springs Road			✓	Project definition completed. Design consultant selected. NTP expected 4 th quarter 2010.
Multiple PS - Hooper Rd - Greenwell Springs Rd			✓	Now called "Hooper Road PS Improvements". Project merged with Multiple Booster PS – Hooper Rd – Lovett Rd project for ease of management and to eliminate construction sequencing issues. Project definition completed. Design consultant selected. NTP expected 4 th quarter 2010.

Baton Rouge MWPP South Service Area Projects | 2010

TABLE 2 – SOUTH BASIN				
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 Booster PS - Hooper Rd - Lovett Rd			✓	Now called "Hooper Road PS Improvements". Project merged with Multiple PS – Hooper Rd – Greenwell Springs Rd project for ease of management and to eliminate construction sequencing issues. Project definition completed. Design consultant selected. NTP expected 4 th quarter 2010.
Multiple PS - Prescott Rd - Greenwell Springs Rd			✓	

RMAP2 Category 3 Projects: 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.

The South Wastewater Treatment Plant 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).

Presently, there are not any RMAP2 storage projects that have been identified in the South Service Artea. The details of the wastewater treatment and storage projects are listed in Table 3 below, and are current through September 30, 2010.

Baton Rouge MWPP South Service Area Projects | 2010

TABLE 3 – SOUTH BASIN				
EPA Consent Decree RMAP Milestones for Category 3 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				
South WWTP IAP Consolidated – Screening, Primary Treatment, Trickling Filter Recirculation, Sludge Handling	✓			Construction is approximately 84% complete and is on-going.
South WWTP IAP- Effluent Pumping Improvements	✓			Project completed – 1 st quarter 2008.
South WWTP - Phase 1		✓		Also called "SWWTP Wet Weather Improvements - Phase I". Advertisement for bids completed. Construction contractor selected. NTP for construction issued. Construction on-going.
South WWTP - Phase 2			✓	Also called "SWWTP Wet Weather Improvements - Phase II". 60% design submitted and reviewed. 90% design underway and expected to be submitted and reviewed 4 th quarter 2010. Design on-going.

South WWTP 2009 Annual Audit

	3rd QTR 2009	4th QTR 2009	1st QTR 2010	2nd QTR 2010	TOTAL	%
Line Cleaned	47,657	50,871	135,609	304,180	538,317	12%
CCTV Inspected	24,367	5,629	41,035	258,938	329,969	7%
Smoke Tested	13,261	13,182	7,854	54,509	88,806	0%
Dye Tested	4	1	0	0	5	0%
Manhole Inspected	326	89	726	1,061	2,202	10%
Line Repaired	577	385	380	379	1,721	8%
Manhole Rehabilitated	140	118	330	335	923	4%
Force Main – Inspected	11.8	15.0	15.0	21.3	63.1	57%
Repaired	4	9	8	5	26	24%
Air Release Valves – Inspected	78	115	115	134	442	176%
Repaired	43	80	80	70	273	109%
Wet Wells Cleaned	48	65	74	82	269	104%
Pump Stations - Repaired	17	9	9	18	53	20%

SWWTP New Developments - Quarters 30 - 33

Subdivision / Development	# of lots	Design Pop.	Flow (gpm)	Flow (MGD)	Sewer Length (ft.)
Shadowbrook Lakes	110	440	92	0.13	4643
Townhomes of Sherwood	98	392	82	0.12	3282
Springlake @ Bluebonnet Highland 9th filing (formerly Fairhill 5th filing)	56	224	47	0.07	1665
The Lakes @ Jamestown, 3rd filing	65	260	54	0.08	private
Slumberg Villas	38	152	32	0.05	1192
The Cottages of Baton Rouge (Ben Hur Pump Station)	1300	5200	1083	1.56	660
Standford Oaks Subdivision	15	60	13	0.02	707
TOTAL		6728	1402	2.02	12149

Permit #: LA0036412

C. Treatment Plants

i. Have the influent and effluent flow meters been calibrated in the last year?

Yes No (✓ Check one box.)

* SEE BELOW
Influent flow meter calibration date(s)

* SEE BELOW
Effluent flow meter calibration date(s)

ii. What problems, if any, have been experienced over the last year that have threatened treatment?

BAR SCREEN # E-1003 & E-1001
PRIMARY BASINS # 1, 2, 3, 4, 5 & 6 DUE TO CONSTRUCTION
PRIMARY EFFLUENT PUMP # P-209 & P-2008

iii. Is your community presently involved in formal planning for treatment facility upgrade?

✓ Check one box. Yes No *If Yes, Please describe:*

* GRAVITY INFLUENT CALIBRATION
6/9/2010
10/2/2009

* FORCEMAIN CALIBRATION
6/9/2010
10/2/2009

* FINAL EFFLUENT
NORTH CHAMBER - 5/18/2010, 11/5/2009
SOUTH CHAMBER - 5/18/2010, 11/5/2009

Permit #: LA0036412

D. Preventive Maintenance

i. Does your plant have a written plan for preventive maintenance on major equipment items?

√ Check one box. Yes No *If Yes, Please describe:*

Weekly, monthly and semi-annual preventive maintenance sheets that reflect type and frequency as specified in the O&M manuals. A new computer program will manage the maintenance and preventive maintenance of plant equipment and spare parts.

ii. Does this preventive maintenance program depict frequency of intervals, types of lubrication and other preventive maintenance tasks necessary for each piece of equipment?

Yes No

iii. Are these preventive maintenance tasks, as well as equipment problems, being recorded and filed so future maintenance problems can be assured properly?

Yes No

E. Sewer Use Ordinance

i. Does your community have a sewer use ordinance that limits or prohibits the discharge of excessive conventional pollutants (BOD, TSS or pH) or toxic substances to the sewer system from industries, commercial users and residences?

√ Check one box. Yes No *If Yes, Please describe:*

Sewer User Fee Ordinance (No. 7853) limits the discharge of BOD & TSS to 200 mg/l and 250 mg/l respectively. Any discharge above these limits is surcharged at a rate of 2% of the monthly sewer user fee for each limit of 10 mg/l. Pretreatment Ordinance (No. 9195) limits the discharge of heavy metals, chemical and toxic substances.

ii. Has it been necessary to enforce?

√ Check one box. Yes No *If Yes, Please describe:*

The Sewer User Fee Ordinance is strictly enforced by City-Parish and self monitoring sampling. The same apply to the Pretreatment Ordinance. Enforcement mechanisms include discharge permits, surcharges, letter of notice of violations, administrative orders, water termination and fines.

iii. Any additional comments about your treatment plant or collection system? (Attach additional sheets if necessary.)

NO

Permit #: LA0036412

POINT CALCULATION TABLE

	Actual Values	Maximum
Part 1: <i>Influent Flow/Loadings</i>	<u>0</u>	80 points
Part 2: <i>Effluent Quality / Plant Performance</i>	<u>90</u>	100 points
Part 3: <i>Age of WWTF</i>	<u>30</u>	50 points
Part 4: <i>Overflows and Bypasses</i>	<u>80</u>	100 points
Part 5: <i>Ultimate Disposition of Sludge</i>	<u>10</u>	100 points
Part 6: <i>New Development</i>	<u>0</u>	30 points
Part 7: <i>Operator Certification Training</i>	<u>0</u>	100 points

TOTAL POINTS:

210

ATTACHMENT 3

SAMPLE MWPP RESOLUTION

Resolved that the village/town/city of BATON ROUGE informs the Louisiana Department of Environmental Quality that the following actions were taken by CITY/PARISH METROPOLITAN COUNCIL (governing body).

1. Resolved the Municipal Water Pollution Prevention Environmental Audit Report which is attached to this resolution.
2. Set forth the following actions necessary to maintain permit requirements contained in the Louisiana Pollution Discharge Elimination System (LPDES) permit, number LA 0036412 AI#4841.

(Please be specific in listing the actions that will be taken to address the problems identified in the audit report.)

- a. CURRENTLY, WE ARE OPERATING UNDER A CONSENT DECREE WHICH BECAME EFFECTIVE MARCH 14, 2002.
- b. A PROJECT IS UNDERWAY TO REDUCE THE HIGH CONCENTRATION OF HYDROGEN SULFIDE (H₂S).
- c.
- d.
- etc..

Passed by a majority/unanimous (circle one) vote of the CITY/PARISH METROPOLITAN COUNCIL on Nov. 23, 2010 (date).



CLERK



SWTP-EXISTING SITE PLAN
CITY OF BATON ROUGE / PARISH OF EAST BATON ROUGE

PHASE - HB
CLIENT: CDM
DATE: 11/11/03
PROJECT NO. 2434072

NO.	REVISION	DATE	BY	CHKD BY
1	ISSUED FOR PERMIT	11/11/03	JHS	JHS
2	REVISED PER COMMENTS	11/11/03	JHS	JHS
3	REVISED PER COMMENTS	11/11/03	JHS	JHS
4	REVISED PER COMMENTS	11/11/03	JHS	JHS
5	REVISED PER COMMENTS	11/11/03	JHS	JHS
6	REVISED PER COMMENTS	11/11/03	JHS	JHS
7	REVISED PER COMMENTS	11/11/03	JHS	JHS
8	REVISED PER COMMENTS	11/11/03	JHS	JHS
9	REVISED PER COMMENTS	11/11/03	JHS	JHS
10	REVISED PER COMMENTS	11/11/03	JHS	JHS

- NOTES:**
1. THE EXISTING SITE PLAN IS BASED ON THE 1998 AERIAL PHOTOGRAPHY AND THE 1998 SURVEY DATA. THE EXISTING STRUCTURES AND UTILITIES ARE SHOWN AS THEY EXIST ON THE DATE OF THE SURVEY. THE EXISTING UTILITIES ARE SHOWN AS THEY EXIST ON THE DATE OF THE SURVEY.
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