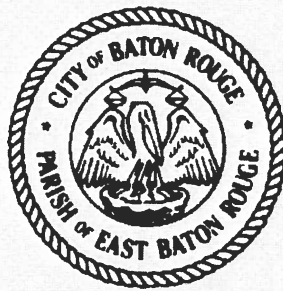


**BATON ROUGE SSO PROGRAM
2002 CONSENT DECREE**



2015 ANNUAL REPORT

January 30, 2016

January 30, 2016

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, 2015**

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, 2015. 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.

Ms. Karen Khonsari/DPW
January 30, 2016
Page 2

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

Sincerely,



Karen Khonsari
Director of Environmental Services
Baton Rouge Department of Public Works

Cc: Honorable Melvin L. "Kip" Holden, Mayor-President
Mr. William B. Daniel, IV, Chief Administrative Officer
Mr. Michael Donnellan, US DOJ
Mr. John Blevins, US EPA Region 6 Compliance Division Director (CEN)
Ms. Jerry Saunders, US EPA (6EN-W)
Ms. Carol Peters-Wagnon, US EPA (6EN-WM)
Ms. Paulette Johnsey, US EPA (6EN-WC)
Dr. Chuck Carr Brown, LDEQ
Ms. Cheryl Nolan, LDEQ
Ms. Celena Cage, LDEQ
Ms. Lea Anne Batson, Parish Attorney
Mr. Bob Abbott, Parish Attorney's Office
Mr. Mark LeBlanc, Assistant Director Capital Improvements DPW
Mr. Adam Smith, DPW DES
Ms. Cheryl Berry, DPW DES
Mr. Mitch O'Brien, DPW DES
Mr. Joseph Young, CH2M

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

2443 River Road
Baton Rouge, LA 70802

Date: January 30, 2016

To: Ms. Cheryl Berry, DPW
From: Mrs. Karen E. Johnson, CH2M HILL
Re: City of Baton Rouge and Parish of East Baton Rouge
Consent Decree-Civil Action No. 01-978-B-M3
2015 Annual EPA Report
Data Review

Draft copies of the above referenced report have been submitted for your review. This review is to ensure that the data submitted under your direction, has been stated in a truthful and accurate manner in the 2015 Annual EPA Report. Once the review of the data is complete and corrected, please sign below the paragraph stating that fact and return for processing.

Sincerely,
Karen Johnson, PE
Regulatory Coordinator/CH2M HILL

I certify that the information contained in or accompanying the portion of the 2015 Annual EPA Report that I am responsible for is true, accurate, and complete. As to those identified portions of this document for which I cannot personally verify their truth and accuracy, I certify as the official having supervisory responsibility for the persons who, acting under my direct instructions, made the verification, that this is true, accurate and complete.



cc: Document Control

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

2444 River Road
Baton Rouge, LA 70802


Date: January 30, 2016

To: Ms. Karen Khonsari, DPW DES
From: Mrs. Karen E. Johnson, CH2M HILL
Re: City of Baton Rouge and Parish of East Baton Rouge
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Regulatory Coordinator/CH2M HILL

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cc: Document Control



**BATON ROUGE SSO PROGRAM
2002 CONSENT DECREE**

2015 ANNUAL REPORT

January 30, 2016

Contents

Section	Page
1. Remedial Measures Action Plan	1
1.1 RMAP1 Summary	1
1.2 RMAP2 Summary	4
1.2.1 Category 1: Comprehensive Sewer Basin Rehabilitation.....	8
1.2.2 Category 2: Pump Station and Transmission Improvements.....	10
1.2.3 Category 3: Wastewater Treatment and Storage.....	14
1.3 Additional Projects Outside of the Consent Decree.....	15
1.4 Infiltration and Inflow Reduction Activities Summary.....	17
2. Treatment Facility Assessment	18
3. Environmental Results Monitoring	18
4. Interim Relief Measures Activities	19
4.1 North WWTP.....	19
4.2 Central WWTP	19
4.3 South WWTP	19
5. Outreach and Public Awareness Program	19
6. Plan Modification Needs	20
7. Stipulated Penalties	20

Tables

1 - EPA Consent Decree RMAP1 Milestones.....	3
2 - Updated EPA Consent Decree RMAP Milestones for Category 1 Projects.....	8
3 - EPA Consent Decree RMAP2 Milestones for Category 2 Projects	10
4 - EPA Consent Decree RMAP2 Milestones for Category 3 Projects	15
5 - Proposed Schedule for Projects Outside of Consent Decree.....	16
6 - I/I Reduction Activities Summary - Data through December 31, 2013.....	17
7 - Monthly Average Percent Removal	19
8 - Penalties Assessed and Paid by the City/Parish to Date.....	21
9 - Self-Reported Potential Stipulated Penalties 2013 (SSOs and WWTP violations).....	21

Attachments

- A - Notice of Force Majeure Event - Threat of Mississippi River Flood March 2015
- B - Notice of Force Majeure Event - Threat of Mississippi River Flood December 2015
- C - Municipal Water Pollution Prevention Environmental Audit Reports 2015



Baton Rouge Consent Decree 2015 Annual Report

This Annual Report for the period from January 1, 2015 to December 31, 2015 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, there continues to be significant progress made towards achieving Second Remedial Measures Action Plan (RMAP2) compliance. By the end of 2015, the City of Baton Rouge/Parish of East Baton Rouge (City/Parish) had sixty-two (62) RMAP2 projects functionally completed (ahead of schedule), twenty-seven (27) projects under construction, and twelve (12) projects under design, in order to strive to achieve the compliance schedules set forth in Tables 2, 3, and 4 of this Annual Report. Additionally, as of December 31, 2015, there have been 74 Consent Decree reporting deliverables submitted on or ahead of schedule.

As you can see, the City/Parish is actively moving forward with the execution of the RMAP2 projects included herein, as outlined in 2002 Consent Decree as well as the April 2009 Consent Decree Modification by DOJ, EPA, and LDEQ that adopts the corresponding *Second Remedial Measures Action Plan (RMAP2) Submittal for the Baton Rouge Sanitary Sewer Overflow Control and Wastewater Facilities Program* (September 2008). In addition, the City/Parish is now adhering to the revised compliance schedule approved in the (June 2013) Revised Second Consent Decree Modification by DOJ, EPA, and LDEQ which formally approves the City/Parish's 4 year extension request which was the focus of the *Modified Request for Time Extension/Modification of the Compliance Schedule in the Approved RMAP2 Submittal* (October 2012).

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; all of these projects 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, and all, 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 actively progressed with the execution of the remaining RMAP1 projects included herein based on the approved revised schedule.

The status of the RMAP1 projects is presented in Table 1 and is current through December 31, 2011. As of that time, all 14 RMAP1 projects are functionally completed, and 13 of the 14 were done either on, or ahead of schedule. The RMAP1 - Industriplex Project 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. Therefore, this project has been functionally complete and in operation since 1st quarter 2011. The City/Parish strongly 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 in Table 1 below, and have been also reported in previous Quarterly EPA Reports. The *RMAP1 Completion Report* is included in previously

submitted/approved 2011 Annual EPA Report in Attachment 1: Updated Outreach and Public Awareness Plan and RMAP1 Completion Report and can also be found attached at the end of the 36th Quarterly EPA Report.

TABLE 1 EPA Consent Decree RMAP1 Milestones				
Milestone Date		RMAP1 Projects Completed	RMAP1 Projects Completed	Project Status Summary
		May 4, 2007	Proposed on September 1, 2008	
Construction Status		Complete	Complete	
Consent Decree Projects	Corresponding City/Parish Projects			
RMAP1 Projects				
N-05 PS 24 Area Upgrades	*PS 24/43 Area Upgrade (01-RMP-N05)	✓		
N-06 PS 43 Area Upgrades				
N-09 PS 44/46 Area Upgrades	PS 44/46 Area Upgrades (01-RMP-N09)	✓		
N-10 PS 240 Area Upgrades	PS 240 Area Upgrades (01-RMP-N10)	✓		
***N-99 North Further Investigations	NTSN SS Eval. Study (99-RMP-N-99)	✓		
	**Bellingrath Rehab. (03-RMP-N14) (NSRP)	✓		
	**Frenchtown Road Sewer Rehab. (03-RMP-N15)	✓		
	**North Area Comprehensive Rehab. (03-RMP-N23)	✓		
	**PS 45 Area Rehab. (00-RMP-N31)	✓		
C-03 PS 2 Area Rehabilitation	PS 2 Area Upgrades (01-RMP-C03)	✓		
S-01B SWWTP Influent PS	SSO SWWTP Infl. PS Upgrade (99-RMP-SO1B)	✓		
S-11 PS 40 Area Rehabilitation	S-11 PS 40 Area Rehabilitation	✓		
***S-99 South Further Investigations	SSO Engr-South (99-RMP-S99)	✓		
	PS 944 Area Upgrade Grv Sewer (99-RMP-S99)	✓		
	PS 944 Area Upgrade (99-RMP-S99)	✓		
	PS 177 Area Upgrade (99-RMP-S99)	✓		
	**PS 211 Area Upgrades (99-RMP-S11)	✓		
N-01 Choctaw Basin Return System	Choctaw Area Storage (04-RMP-N22)			RMAP1 project suspended. Project is included as RMAP2: Choctaw Storage.
N-13 North Choctaw Basin System	S-05 PS 58B Area Upgrades MWH RMAP2			RMAP1 project suspended. Project is included as RMAP2: Choctaw Storage PS.

TABLE 1
EPA Consent Decree RMAP1 Milestones

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

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 (3) types of projects: comprehensive sewer rehabilitation, pump station and transmission (capacity) improvements, and wastewater treatment/storage improvements. This planning and engineering effort consisted of refined modeling and calibration, detailed calculations, review of field data, and project development, prioritization, and cost estimating. This RMAP2 submittal outlined the projects planned to reduce or eliminate SSOs throughout the City/Parish, in addition to describing the projects planned to meet permit requirements at the wastewater treatment plants. *The Second Remedial Measures Action Plan (RMAP2) Submittal for the Baton Rouge Sanitary Sewer Overflow Control and Wastewater Facilities Program* report was submitted to the DOJ, EPA, and LDEQ for review and approval in September 2008. The proposed plan represented a substantial commitment to try to meet the original demanding schedule required by the Consent Decree (January 1, 2015). The City/Parish and CH2M HILL have continually refined and performed quality control reviews of the hydraulic model of the sewer system, incorporating new information as it becomes available. These refinements at times have technically altered some aspects of the RMAP2 projects. However, the City/Parish regularly documents all RMAP2 project changes (scope changes, project additions, and project deletions) in the Quarterly and Annual EPA Reports, with EPA and LDEQ approval.

During the review and approval process of *Second Remedial Measures Action Plan (RMAP2) Submittal for the Baton Rouge Sanitary Sewer Overflow Control and Wastewater Facilities Program* (September 2008), an Agreement and Order related to the Modification of the Consent Decree (Agreement and Order) was lodged with the

Court on November 10, 2008. The Agreement and Order adopted the City/Parish's September 2008 *Second Remedial Measures Action Plan (RMAP2) Submittal for the Baton Rouge Sanitary Sewer Overflow Control and Wastewater Facilities Program*. This RMAP2 submittal was consistent with current industry standards and the 2002 Consent Decree, including Section V - Objectives. The RMAP2 submittal also did not extend the schedule beyond the January 1, 2015 deadline already imposed in the Court approved 2002 Consent Decree, and adhered to Section XXXIV - Modification - Paragraph 118. The Agreement and Order was lodged with the Court for public notice and comment for a period of not less than 30 days in accordance with DOJ policy and in 28 C.F.R. § 50.7, and 45 days in accordance with the LDEQ La. R.S. 30:2050.7. The City/Parish was e-mailed two public comments received by the DOJ in regards to the Agreement and Order on January 5, 2009.

Soon thereafter, the City/Parish and CH2M HILL developed a technical memorandum titled *Response to Public Comments of the Agreement and Order Regarding the Modification of the Consent Decree - Civil Action No. 01-978-B-M3 (M.D. La.)* which included the City/Parish's response to the two public comments received by the DOJ on December 17, 2008 from Mr. Steve Irving and Ms. Kathryn Lewis. The memorandum was initially submitted on January 23, 2009, was later updated based on comments received by DOJ, and was eventually submitted as a final version of the memorandum on February 27, 2009. The City/Parish believed that it provided a comprehensive response to the public comments received, and also highlighted the extensive progress that has been achieved to date associated with the Consent Decree. Additionally, many actions to address the concerns expressed in the public comments received were already either completed or underway. The City/Parish requested at the time that the Court timely approve the modification, as the City/Parish had multiple projects that were currently ready to begin design as soon as the Consent Decree modification was approved. On April 22, 2009, the DOJ, EPA, and LDEQ approved the Agreement and Order which specifically adopts the City/Parish's *Second Remedial Measures Action Plan (RMAP2) Submittal for the Baton Rouge Sanitary Sewer Overflow Control and Wastewater Facilities Program (September 2008)*.

Since its approval, the City/Parish has been actively moving forward with implementation of the projects included in the *Second Remedial Measures Action Plan (RMAP2) Submittal for the Baton Rouge Sanitary Sewer Overflow Control and Wastewater Facilities Program (September 2008)*. However, in early 2011 the City/Parish began realizing affects of an extremely compressed compliance schedule, as well as concerns with affordability issues emerging with executing over \$1 billion in projects in less than 6 years (which was the time left in the original compliance schedule required from 2002). Additionally, there had been numerous force majeure events affect the City/Parish, that took time away from normal operations that have also adversely affected the implementation schedule. Therefore, in July 2011, the City/Parish decided to submit a request for time extension (3 years), *2011 Request for Time Extension/Modification of the Compliance Schedule in the Approved RMAP2 Submittal*, for the RMAP2 projects listed in the *Second Remedial Measures Action Plan (RMAP2) Submittal for the Baton Rouge Sanitary Sewer Overflow Control and Wastewater Facilities Program (September 2008)*. Shortly after its submission, the City/Parish started incorporating some schedule modifications, in order to take into account the proposed changes included in the request for time extension (3 year extension request) in anticipation of its quick approval.

However, during many discussions with DOJ, EPA, and LDEQ it was eventually agreed that the City/Parish submit a revised request for time extension (4 years) for the RMAP2 projects listed in the *Second Remedial Measures Action Plan (RMAP2) Submittal for the Baton Rouge Sanitary Sewer Overflow Control and Wastewater Facilities Program (September 2008)*. One of the reasons for this request was for the City/Parish to accelerate the schedule of several "additional projects" (described later in this report in *Section 1.3 Additional Projects Outside of the Consent Decree*) that were planned throughout the City/Parish once all of the RMAP2 projects were completed. The 4 year extension request was eventually submitted on October 23, 2012 and was included in the document titled *Modified Request for Time Extension/Modification of the Compliance Schedule in the Approved RMAP2 Submittal*. The City/Parish's updated request for time extension (4 years) for the RMAP2 project was signed/formalized by DOJ/EPA/LDEQ on June 18, 2013. The City/Parish has therefore

incorporated schedule modifications in tables 2, 3 and 4 below in order to take into account any changes included in the approved 4 year request for time extension in 2013.

At this time, the City/Parish is actively moving forward with the execution of the RMAP2 projects included herein, as outlined in the April 2009 Consent Decree Modification by DOJ, EPA, and LDEQ that adopts the corresponding *Second Remedial Measures Action Plan (RMAP2) Submittal for the Baton Rouge Sanitary Sewer Overflow Control and Wastewater Facilities Program* (September 2008). In addition, the City/Parish is now adhering to the revised compliance schedule approved in the (June 2013) Revised Second Consent Decree Modification by DOJ, EPA, and LDEQ which formally approves the City/Parish's 4 year extension request which was the focus of the *Modified Request for Time Extension/Modification of the Compliance Schedule in the Approved RMAP2 Submittal* (October 2012).

As previously mentioned, as of December 31, 2015 there are 62 RMAP2 projects functionally completed (ahead of schedule), 27 projects under construction, and 12 projects under design, and the City/Parish is still the peak of construction activities.

The City/Parish is seeing many of the effects from the ramping up of the design and construction activities. 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 underway, with no significant drop off expected until late 2016.

In addition, the City/Parish continues documenting the impact of force majeure events that have affected the Baton Rouge Area. During 2015, there were two (2) force majeure events related to the threat of Mississippi River Flooding that considerably affected Baton Rouge. The first threat of flooding took place during March 2015 and the most recent threat of the Mississippi River Flood took place in December 2015 (*See Attachment A and B: Notice of Force Majeure Event - Threat of Mississippi River Flooding*). These events and other force majeure events in past years (including Hurricanes Katrina, Rita, and Gustav, the Gulf of Mexico oil spill, 2011 Mississippi River flood, Tropical Storm Lee, Hurricane Isaac, and other extreme storm events) can significantly impact not only project costs, but contractor availability, and also project schedules. The Consent Decree schedule is very demanding and the time lost recently and in the past years from these force majeure events has greatly affected the program, and could potentially affect project schedules and implementation now and into the future. The City/Parish keeps track of these events in regards to their potential effect on schedule and compliance, and also effect 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.

Each year, the City/Parish and CH2M HILL re-evaluates projects as a part of the Program Delivery Plan Update (PDP Update), or Project Value Engineering (VE) analysis. Included is a continual refinement and quality control review of the hydraulic model of the sewer system, and all necessary modifications of the model incorporating new information as it is available. These on-going refinements in the past have slightly altered some of the RMAP2 projects to improve their effectiveness, or have helped streamline construction activities, etc. With EPA and LDEQ approval, the City/Parish has been regularly documenting all RMAP2 project changes (scope changes, project additions, project deletions, project merging, name changes, and schedule changes) that have been made in the annual PDP Updates, Project VE, and in the Quarterly and Annual EPA Reports. Therefore, Tables 2, 3, and 4 have been updated to reflect any changes associated with these on-going efforts.

The RMAP2 projects are separated into three categories with descriptions and schedules provided for all projects, current through December 31, 2015.

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 in Table 3 on the following pages.

TABLE 2				
Updated EPA Consent Decree RMAP Milestones for Category 1 Projects				
	33% Construction Milestone	66% Construction Milestone	100% Construction Milestone	Project Status Summaries
Milestone Date	1 st QTR 2013	2 nd QTR 2015	4 th QTR 2018	
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 Area Rehabilitation Project	✓			Project completed – 2 nd quarter 2010.
Burbank Drive – Gardere Lane Area Rehabilitation Project	✓			Project completed – 1 st quarter 2011.
Oak Villa – Choctaw Street Area Rehabilitation Project	✓			Project completed – 3 rd quarter 2011.
Scotland Avenue – Progress Road Area Rehabilitation Project	✓			Project completed – 2 nd quarter 2011.
Elm Grove Garden Road – Harding Boulevard Area Rehabilitation Project	✓			Project completed – 3 rd quarter 2011.
Sharp Road – Florida Boulevard Area Rehabilitation Project	✓			Project completed – 3 rd quarter 2012.
Kenilworth Boulevard – Boone Drive Area Rehabilitation Project	✓			Project completed – 3 rd quarter 2012.
Foster Drive - Government Street Area Rehabilitation Project Phase A	✓			Project completed – 4 th quarter 2011.
Foster Drive - Government Street Area Rehabilitation Project Phase B	✓			Project completed – 3 rd quarter 2012.
Silverleaf Road – Ford Street Area Rehabilitation Project	✓			Project completed – 4 th quarter 2012.
Brookstown Road - Evangeline Street Phase I Area Rehabilitation Project	✓			Project completed – 4 th quarter 2012.
Brookstown Road – Evangeline Street Phase II Area Rehabilitation Project	✓			Project completed – 4 th quarter 2012.
Bluebonnet Blvd – Jefferson Hwy Phase I Area Rehabilitation Project		✓		Project completed – 4 th quarter 2012.
Bluebonnet Blvd – Jefferson Hwy Phase II Area Rehabilitation Project		✓		Project completed – 1 st quarter 2013.
Highland Road – Washington Street Area Rehabilitation Project		✓		Project completed—3 rd quarter 2013.

TABLE 2				
Updated EPA Consent Decree RMAP Milestones for Category 1 Projects				
	33% Construction Milestone	66% Construction Milestone	100% Construction Milestone	Project Status Summaries
Milestone Date	1st QTR 2013	2nd QTR 2015	4th QTR 2018	
Construction Status	Construction Functionally Complete	Construction Functionally Complete	Construction Functionally Complete	
Stanford Avenue – Morning Glory Road Area Rehabilitation Project	✓			Project completed – 4th quarter 2012.
Airline Highway – Goodwood Blvd Phase I Area Rehabilitation Project		✓		Project completed-3rd quarter 2014.
Airline Highway – Goodwood Blvd Phase II Area Rehabilitation Project		✓		Project completed – 2nd quarter 2015.
Acadian Thruway – Claycut Road Area Rehabilitation Project		✓		Project completed – 1st quarter 2013.
Acadian Thruway – Perkins Road Area Rehabilitation Project	✓			Project completed – 4th quarter 2012.
Antioch Road – Chadsford Drive Area Rehabilitation Project		✓		Project completed – 2nd quarter 2015.
Jones Creek Road – Tiger Bend Road Area Rehabilitation Project			✓	Construction 98% complete and ongoing.
Scenic Highway – Spanish Town Road Phase I Area Rehabilitation Project		✓		Project completed – 2nd quarter 2015.
Scenic Highway – Spanish Town Road Phase II Area Rehabilitation Project			✓	Construction 73% complete and ongoing.
Siegen Lane – Interstate 10 Area Rehabilitation Project			✓	Construction 21% complete and ongoing.
Interstate 110 – Hollywood Street Area Rehabilitation Project			✓	Project completed – 3rd quarter 2015.
Ardenwood Drive – Winbourne Street Area Rehabilitation Project			✓	Construction 40% complete and ongoing.
Flannery Road – Florida Boulevard Phase I Area Rehabilitation Project			✓	Award complete. NTP for construction expected to begin 1 st quarter 2016.
Flannery Road – Florida Boulevard Phase II Area Rehabilitation Project			✓	Design 95% complete. Design anticipated to be completed 1 st quarter 2016.
East Boulevard – Government Street Area Rehabilitation Project			✓	NTP issued 4 th quarter 2015. Construction expected to begin 1 st quarter 2016.
North 38th Street – Gus Young Avenue Area Rehabilitation Project			✓	Design 95% complete. Design anticipated to be completed 1 st quarter 2016.

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, 2015.

TABLE 3				
EPA Consent Decree RMAP2 Milestones for Category 2 Projects				
	33% Construction Milestone	66% Construction Milestone	100% Construction Milestone	Project Status Summaries
Milestone Date	1st QTR 2013	2nd QTR 2015	4th QTR 2018	
Construction Status	Construction Functionally Complete	Construction Functionally Complete	Construction Functionally Complete	
Project Descriptions RMAP2 Projects				
Capitol Lake – Gayosa Street Area Capacity Improvements	✓			Project completed - 2nd quarter 2012.
Gurney Road - Joor Road	✓			Project completed - 4th quarter 2009.
Sullivan Rd./Lovett Rd./Wax Rd. Sewer Upgrades	✓			Project completed - 1st quarter 2011.
Comite Road – Foster Road Sewer Area Upgrades - Phase I	✓			Project completed - 2nd quarter 2010.
Foster Road – Hooper Road Sewer Area Upgrade	✓			Project completed - 4th quarter 2010.
Zachary Area Transmission Network Improvements Phase I - 3 Pump Stations and Equalization Basin		✓		Project completed - 1st quarter 2013.
Zachary Area Transmission Network Improvements Phase II – Red Mud Lakes Forcemain to NWWTP		✓		Construction approximately 97% complete. Force Majeure events during 2015 have greatly impacted the schedule for this project. The City/Parish is working diligently to mitigate the schedule delays resulting from these events. Anticipated completion 1 st quarter 2016.
Zachary Area Transmission Network Improvements Phase III – Forcemain to Highway 964 to Red Mud Lakes		✓		Project completed - 4th quarter 2014.
Zachary Area Transmission Network Improvements Phase IV – Zachary Improvements		✓		Project completed - 4th quarter 2011.
Zachary Area Transmission Network Improvements Phase V – Zachary Improvements			✓	NTP issued 4 th quarter 2015. Construction expected to begin 1 st quarter 2016.
South Boulevard – St. Joseph Street Sewer Area Upgrades	✓			Project completed –2nd quarter 2012.

TABLE 3				
EPA Consent Decree RMAP2 Milestones for Category 2 Projects				
	33% Construction Milestone	66% Construction Milestone	100% Construction Milestone	Project Status Summaries
Milestone Date	1st QTR 2013	2nd QTR 2015	4th QTR 2018	
Construction Status	Construction Functionally Complete	Construction Functionally Complete	Construction Functionally Complete	
South Boulevard – St. Joseph Street Sewer Area Upgrades – Phase B			✓	Construction approximately 45% complete and ongoing. Scope added to project warranting a redesign due to worse than expected existing system conditions and unknown drainage features.
Downtown Area Pump Station Improvements		✓		Project completed - 2nd quarter 2012.
Highland Road – Buchanan Street Sewer Area Upgrades	✓			Project completed - 4th quarter 2011.
Citiplace/Essen Area - PS119 & Forcemain Improvements	✓			Project completed - 3th quarter 2012.
Group Project 1A (Metro Airport Sewer Upgrades)		✓		Project completed - 2nd quarter 2013.
Group Project 1B (Metro Airport Sewer Area Pump Station & Forcemain Upgrades)		✓		Construction approximately 98% complete and ongoing. Force Majeure events during 2015 have greatly impacted the schedule for this project. The City/Parish is working diligently to mitigate the schedule delays resulting from these events. Anticipated completion 1 st quarter 2016.
Perkins/Old Perkins Area - Booster PS 514 Improvements		✓		Project completed - 2nd quarter 2013.
Group Project 2 (Old Perkins – Highland Road Area Upgrades)	✓			Project completed - 2nd quarter 2012.
Highland Road – Burbank Drive Capacity Improvements		✓		Construction is approximately 99% complete and ongoing. Force Majeure events and contractor issues during 2015 have greatly impacted the schedule for this project. The City/Parish is working diligently to mitigate the schedule delays resulting from these events. The final components of this project have been incorporated into the South Basin Coordination Project currently underway, due to City/Parish initiating default proceeding against the contractor. Anticipated completion 1 st quarter 2016.
Nicholson Drive – Highland Road – Perkins Road Capacity Improvements Phase A		✓		Project completed - 1st quarter 2012.
Nicholson Drive – Highland Road – Perkins Road Capacity Improvements Phase B		✓		Project completed - 1st quarter 2015.
Bayou Duplantier Area Sewer Upgrades		✓		Project completed - 3rd quarter 2013.

TABLE 3				
EPA Consent Decree RMAP2 Milestones for Category 2 Projects				
	33% Construction Milestone	66% Construction Milestone	100% Construction Milestone	Project Status Summaries
Milestone Date	1st QTR 2013	2nd QTR 2015	4th QTR 2018	
Construction Status	Construction Functionally Complete	Construction Functionally Complete	Construction Functionally Complete	
25th Street - North Acadian Thruway	✓			Improvements designed under this project were constructed as part of the Capital Lake-Gayosa Drive Project and the South Blvd.-Saint Joseph Street Project. Please see status updates for the two projects mentioned in this table above.
Government St - South Acadian Thruway Sewer Area Upgrades			✓	Construction is approximately 85% complete and ongoing. Project moved to 3 rd milestone, in the place of the O'Neal Lane Pipeline Improvements-Group B Project. Contractor continuing to experiencing manpower issues. Schedule impacts are being monitored and mitigation efforts are ongoing.
Plank Road – Kleinpeter Road Sewer Area Upgrades		✓		Construction is approximately 99% complete and ongoing. Force Majeure events during 2015 have greatly impacted the schedule for this project. The City/Parish is working diligently to mitigate the schedule delays resulting from these events. Project completion anticipated 2 nd quarter 2016.
O'Neal Lane Pipeline Improvements – Group A		✓		Project completed - 4th quarter 2014.
O'Neal Lane Pipeline Improvements – Group B		✓		Project completed - 2nd quarter 2015.
Multiple PS - Nicholson Dr - Brightside Dr		✓		Project completed - 2nd quarter 2015.
Pump Station 58 Capacity Improvements		✓		Project completed - 1st quarter 2015.
Staring Lane FM (Phase I - Burbank Drive to Highland Road)	✓			Project completed - 2nd quarter 2010.
Staring Lane FM (Phase II - Highland road to Perkins Road)		✓		Project completed - 4th quarter 2013.
Staring Lane FM (Phase III - Perkins to PS58)		✓		Project completed - 3rd quarter 2014.
Multiple PS - Jefferson Hwy - Park Forest Dr		✓		Project completed - 3rd quarter 2012.
Airline Highway Pipeline Improvements-Phase A			✓	NTP issued 4 th quarter 2015. Construction expected to begin 1 st quarter 2016.
Airline Highway Pipeline Improvements-Phase B			✓	NTP for construction anticipated 1 st quarter 2016.
Multiple PS - Highland Road - Kenilworth Parkway			✓	Construction is approximately 36% complete and ongoing.

TABLE 3				
EPA Consent Decree RMAP2 Milestones for Category 2 Projects				
	33% Construction Milestone	66% Construction Milestone	100% Construction Milestone	Project Status Summaries
Milestone Date	1st QTR 2013	2nd QTR 2015	4th QTR 2018	
Construction Status	Construction Functionally Complete	Construction Functionally Complete	Construction Functionally Complete	
Florida Boulevard Pump Station Improvements			✓	Design completed. Advertisement for bids for construction anticipated 1 st quarter 2016.
Plank Road Pump Station Improvements			✓	Construction is approximately 40% complete and ongoing.
Multiple PS - Highway 61 - Plank Road			✓	Design completed. Advertisement for bids anticipated 1 st quarter 2016.
O'Neal Lane Pump Station Improvements – Group A			✓	Construction approximately 77% complete and ongoing.
O'Neal Lane Pump Station Improvements – Group B			✓	Construction approximately 70% complete and ongoing.
Sherwood Forest Blvd – Goodwood Blvd Pipeline Improvements			✓	Advertisement completed. Construction NTP anticipated 2 nd quarter 2016.
Joor Road - Greenwell Springs Road Sewer Area Upgrades			✓	Design completed. Advertisement for bids anticipated 1 st quarter 2016.
Plank Road - Port Hudson Pride Road Sewer Area Upgrades			✓	Project completed - 3rd quarter 2015.
Highland Road Pipeline Improvements - Group A			✓	Construction is approximately 75% complete and ongoing.
Highland Road Pipeline Improvements - Group B			✓	Construction is approximately 1% complete and ongoing.
Oak Villa Boulevard - Monterrey Boulevard Sewer Area Upgrades			✓	Design completed. Advertisement for bids for construction expected to be underway 1 st quarter 2016.
Lovett Road – Greenwell Springs Road Sewer Area Upgrades			✓	100% design underway and expected to be submitted 2 nd quarter 2016.
Hooper Road Pump Station Improvements			✓	Design completed. Advertisement for bids for construction expected to be underway 2 nd quarter 2016.
Multiple PS - Prescott Rd - Greenwell Springs Rd			✓	Design completed. Advertisement for bids for construction anticipated 2 nd quarter 2016.
Multiple PS - Burbank Drive - Siegen Lane			✓	Construction is approximately 1% complete and ongoing.
Pump Station 42 Improvements		✓		Construction is approximately 98% complete and ongoing. Force Majeure events during 2015 have greatly impacted the schedule for this project. The City/Parish is working diligently to mitigate the schedule delays resulting from these events. Anticipated project completion 1 st quarter 2016.

TABLE 3 EPA Consent Decree RMAP2 Milestones for Category 2 Projects				
	33% Construction Milestone	66% Construction Milestone	100% Construction Milestone	Project Status Summaries
Milestone Date	1 st QTR 2013	2 nd QTR 2015	4 th QTR 2018	
Construction Status	Construction Functionally Complete	Construction Functionally Complete	Construction Functionally Complete	
Pump Station 42 Forcemain - Phase I		✓		Project complete - 3 rd quarter 2014.
Pump Station 42 Forcemain - Phase II		✓		Project complete - 2 nd quarter 2014.
Central Consolidated Pump Stations		✓		Project complete - 4 th quarter 2014.
Central Consolidated Forcemains – Phase I		✓		Project complete - 3 rd quarter 2013.
Central Consolidated Forcemains – Phase II		✓		Project complete - 3 rd quarter 2014.

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, 2015.

Table 4				
EPA Consent Decree RMAP2 Milestones for Category 3 Projects				
	33% Construction Milestone	66% Construction Milestone	100% Construction Milestone	Project Status Summaries
Milestone Date	1st QTR 2013	2nd QTR 2015	4th QTR 2018	
Construction Status	Construction Functionally Complete	Construction Functionally Complete	Construction Functionally Complete	
Project Descriptions RMAP2 Projects				
Choctaw Storage and Pump Station Facility		✓		Project completed – 3rd quarter 2013.
Hooper Storage Facility		✓		Construction approximately 91% complete and ongoing. Force Majeure events during 2015 have greatly impacted the schedule for this project. The City/Parish is working diligently to mitigate the schedule delays resulting from these events. Anticipated project completion 1st quarter 2016.
South WWTP IAP (Consolidated – Screening, Primary Treatment, Trickling Filter Recirculation, Sludge Handling)	✓			Project completed - 2nd quarter 2011.
South WWTP IAP (Effluent Pumping Improvements)	✓			Project completed - 1st quarter 2008.
SWWTP Wet Weather Improvements - Phase I		✓		Project completed - 2nd quarter 2013.
SWWTP Wet Weather Improvements - Phase II (PDP portion)		✓		Project completed - 2nd quarter 2015.

1.3 Additional Projects Outside of Consent Decree

This category of projects is composed of several additional projects the City/Parish has agreed to implement not presently included/tracked by the RMAP2 Consent Decree Compliance Schedule, and specifically includes wet weather improvements at the City/Parish wastewater treatment plants (WWTP's), as well as storage facilities throughout the service area. Many of these projects will greatly improve the operation and maintenance of the wastewater collection system, WWTP's, and storage facilities. Specifically included in this group of projects are both the SCADA Project and the Standby Power Program, which will help optimize the overall operation of the treatment facilities and pump stations, while minimizing risks associated with SSOs. All of these additional projects are summarized below and project statuses are provided in Table 5. Note that the schedule below is based upon time (number or months) from extension approval for the projects involving the NWWTP.

Table 5			
Proposed Schedule for Projects Outside of Consent Decree			
	Scheduled Start	Scheduled Finish	Project Status Summary
North WWTP Master Plan & Sustainability Improvements Project (projects #1 and #2 combined 3rd quarter 2015)	Project Underway	Design – 4 th quarter 2015 Construction – 4 th quarter 2018	100% design complete. Advertisement anticipated 1 st quarter 2016.
NWWTP Master Plan Project #3 (Public Project) – Plant Buffer	6 months from Extension approval	Design – 4 th quarter 2015 Construction – 2 nd quarter 2016	100% design underway. Advertisement anticipated 2 nd quarter 2016.
SWWTP Wet Weather Improvements – Phase II (Master Plan portion)	Complete	2 nd quarter 2015	Project completed - 2nd quarter 2015.
Sewer System and WWTP Stand-by Power Program	Project Underway	Completion of SSO Program	Generator installation of PDP stations approximately 75% and on-going. Additional scope added; anticipated continual growth on this project.
SCADA (Collection System, Operations Data and Control Center)	Project Underway	Completion of SSO Program	Construction of overall project 29% complete and ongoing; additional operational and permitting requirements being incorporated.
Environmental Services Facility	Project Underway	Proposed completed by 3 rd quarter 2016	100% design underway and expected to be submitted 4 th quarter 2016.
NWWTP Odor Control Project	Complete	Complete	Project completed – 4th quarter 2010.
Comite –Foster Road Sewer Area Upgrades - Phase II	Complete	Complete	Project completed - 1st quarter 2011.
Zachary Area Transmission Network Improvements Phase V – Zachary Improvements	Project Underway	Expected to be completed by 1 st quarter 2017.	Project moved into RMAP2. See Table 6 for project status update
South Boulevard – Saint Joseph Street Phase B	Project Underway	Expected to be completed by 3 rd quarter 2016.	Project moved into RMAP2. See Table 6 for project status update
Central WWTP Decommissioning Project	4 th quarter 2014	Expected to be completed by 2 nd quarter 2018.	100% design underway and expected to be submitted 2 nd quarter 2016.
Ward Creek Aerial Crossing Replacement Emergency Project		Complete	Project completed – 3rd quarter 2015.
South Basin Coordination Project	2 nd quarter 2015	1 st quarter 2016	Construction 30% complete and ongoing. Force Majeure events during 2015 have greatly impacted the schedule for this project. The City/Parish is working diligently to mitigate the schedule delays resulting from these events.

Table 5			
Proposed Schedule for Projects Outside of Consent Decree			
	Scheduled Start	Scheduled Finish	Project Status Summary
South WWTP Landscape Buffer Area	3 rd quarter 2015	2 nd quarter 2016	Construction 24% complete and ongoing.

1.4 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 \$5.01 million, therefore this goal was exceeded during 2015. 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 6 identifies the funds expended during 2015 to meet this requirement.

TABLE 6				
I/I Reduction Activities Summary – Data through December 31, 2015				
Project	Description	% Complete	Contract Amount	Expenditures 2015
15-MH-UF-0001	Manhole Rehabilitation Contract	0%	\$ 1,500,000	\$ -
12-PI-MS-0010	Sewer Physical Inspection Contract #2	26%	\$ 1,292,075	\$ 330,901
14-PN-UF-0003	Annual Sewer Repair & Replacement Project	13%	\$ 1,272,997	\$ 165,022
14-PN-UF-0003	Annual Sewer Repair & Replacement Project	20%	\$ 1,500,000	\$ 294,924
14-CP-UF-0001	Annual Cured-In-Place Lining Project 2014 Cycle	100%	\$ 217,657	\$ 217,657
14-CP-UF-0001	Annual Cured-In-Place Lining Project 2014 Cycle	10%	\$ 1,887,277	\$ 187,187
14-PN-UF-0014	Parish-wide Sewer Repair and Replacement Project	100%	\$ 279,746	\$ 279,746
14-PN-UF-0014	Parish-wide Sewer Repair and Replacement Project	3%	\$ 1,728,244	\$ 44,326
12-ER-WC-0050	Parish-wide Sewer Emergency Point Repairs	100%	\$ 1,790,505	\$ 1,790,505

TABLE 6				
III Reduction Activities Summary – Data through December 31, 2015				
Project	Description	% Complete	Contract Amount	Expenditures 2015
12-ER-WC-0050	Parish-wide Sewer Emergency Point Repairs	68%	\$ 2,500,000	\$ 1,696,233
TOTAL EXPENDITURES IN 2015			\$ 13,968,501	\$ 5,006,501

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) and approved by the *Agreement and Order Regarding the Modification of the Consent Decree - Civil Action No. 01-978-B-M3 (M.D. La.)* signed in April 2009.

The City/Parish typically submits Municipal Water Pollution Prevention (MWPP) Environmental Audit Reports for the North, South, and Central WWTPs once a year to LDEQ. 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 rates the treatment plants on the aforementioned factors annually starting and are submitted annually the year following the effective date of NPDES permits. The actions that will be taken to maintain compliance and prevent effluent violations are typically presented in MWPP resolutions, which were last submitted along with the audit on July 14, 2015.

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 2015, the North WWTP has been in compliance with the 75% interim effluent limits for the entire 12 months of the reporting period for both percent removal of BOD and TSS. In fact, the North WWTP met the permit limit of 85% removal for TSS for all 12 months, and it also met the permit limit for 85% removal of BOD for 6 months, as illustrated by Table 7.

4.2 Central WWTP

The Central WWTP has been in compliance with the 75% interim effluent limits for removal of TSS and BOD for all 12 months. The Central WWTP also has met the permit limit of 85% removal for TSS for all 12 months, and for BOD for 9 months as illustrated by Table 7.

4.3 South WWTP

The South WWTP has been in compliance with the 75% interim effluent limit and 85% removal limits for both BOD and TSS all 12 months of the reporting period.

	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
North Plant-LA0036439												
BOD	84	83	82	84	84	87	88	89	89	88	86	84
TSS	85	88	85	87	90	89	90	91	92	90	85	88
Central Plant-LA0036421												
BOD	85	83	79	88	83	89	90	92	91	87	92	86
TSS	91	92	93	92	94	94	95	95	98	98	94	93
South Plant-LA0036412												
BOD	91	96	92	92	90	94	95	96	97	95	93	86
TSS	90	94	92	94	91	87	91	91	94	89	88	87

5. Outreach and Public Awareness Program

Consent Decree Section XV - Outreach and Public Awareness Plan requires the City/Parish DPW to implement and follow the Outreach and Public Awareness Program Plan attached in Exhibit H of the Consent Decree. The Outreach and Public Awareness Program Plan was updated in December 2007 and has been completed and reviewed/approved by the City/Parish, and then submitted in both the 2011 Annual EPA Report and 36th Quarterly EPA Report.

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

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

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

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

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 2015 are presented in Tables 8 and 9. There have been no reporting or scheduling deliverables missed during 2015, therefore there are not any potential stipulated penalties listed for those items below.

TABLE 8
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 9
Self-Reported Potential Stipulated Penalties 2015 (SSOs and WWTP violations)

Stipulated Penalties	Number	Cost Per Occurrence	Amount Accrued
Unauthorized Discharges 2015			
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	1	\$5,000	\$5,000
1 MG or more	8	\$5,000	\$40,000
Non-Compliant Discharges (WWTP) 2015			
Weekly Average Limits	3	\$1,000	\$3,000
Monthly (30-day average) Limits	2	\$2,500	\$5,000
2015 Total Stipulated Penalties (through December 31, 2015)			\$53,000

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. In some instances where Preventative Maintenance Plan goals were not achieved in a given quarter, but the cumulative annual goals were exceeded, it was assumed that no penalties should be assessed for unauthorized discharges that occurred during that given quarter.

Attachment A
Notice of Force Majeure Event – Threat of
Mississippi River Flooding (March 2015)



Department of Public Works

City of Baton Rouge
Parish of East Baton Rouge

Post Office Box 1471
Baton Rouge, La 70821

March 24, 2015

CERTIFIED – RETURN RECEIPT REQUESTED

Mr. Michael T. Donnellan
U.S. Department of Justice
P.O. Box 7611
Washington, D.C. 20044-7611

Ms. Mona Bates (6EN-WM)
U.S. Environmental Protection Agency, Region 6
1445 Ross Avenue, Suite 1200
Dallas, TX 75202-2733

Ms. Peggy Hatch
Louisiana Department of Environmental Quality
602 N. Fifth Street
Baton Rouge, LA 70802

Re: City of Baton Rouge and Parish of East Baton Rouge
Consent Decree-Civil Action No. 01-978-B-M3
Notice of Force Majeure Event – 2015 Mississippi River Flood Event

Gentlemen:

In conformance with the *Force Majeure* provision included in *Section XXII – Force Majeure* of the Consent Decree, this letter will serve as the formal notification by the City of Baton Rouge and Parish of East Baton Rouge (City/Parish) to the Department of Justice (DOJ), Environmental Protection Agency (EPA), and Louisiana Department of Environmental Quality (LDEQ) that a force majeure event is taking place. As evidenced by the attached “2015 March High Water Notice” issued by the Corps of Engineers and dated 17 March 2015, all subsurface work is to be restricted beginning with the Carrollton Gage level reaching +11.0 MSL. The MR is projected to continue rising as flood volume water from the Ohio River basin enters the MR system north of Baton Rouge, and is not projected to drop below +11.0 MSL on the Carrollton gage until April 9 (see attached extended forecast printout from the Corps of Engineers Lower Mississippi RFC River Forecast Center). These elevated river levels are causing direct construction impacts beyond the control of the SSO Program on several projects in close proximity of the MR, with secondary schedule impacts being felt in all drainage basins. Summaries for the projects affected by this Force Majeure event are provided below. This Force Majeure notification will be updated as needed during the continuing 2015 flood season.

Projects with Direct Impacts

Zachary Area Transmission Network Improvements Project (ZATNIP), Phase II

The ZATNIP Phase II project was in the process of installation of pipeline segments required for transition on and off of an old City-Parish waste facility that would allow installation of the pipeline without excavation into the waste mass of the facility. These transitions were

redesigned to avoid any possible waste mass disturbance resulting in a delay of approximately 71 days. The redesign delay pushed the construction schedule out driving construction to a start date in February, 2015. Construction of these transition segments requires crossing of drainage ways that are in direct influence of the MR which are currently under rising water. Construction at the site ceased as of 3/17/15, and cannot be reinitiated until the site can support the construction activities safely, anticipated approximately 60 days after all water recedes from the site. Every effort will be made to identify opportunities to confirm that this project is functionally complete prior to the 66% milestone date. Construction on these segments will be resumed as soon as conditions at the site allow.

Pump Station 42

Construction at the Pump Station 42 site is within 1500 feet of the main stem MR levees, and is governed by a permit from the Pontchartrain Levee Board which incorporates conditions from the US Army Corps of Engineers which requires shutdown of construction when the MR level reaches 11 feet at the Carrollton Gage in New Orleans. The MR passed the 11 foot elevation on March 17, 2015, and is projected to continue above that level until April 9. Construction activities requiring excavation have been shut down in accordance with the permit until after the river level falls and the site is appropriate for resumption of construction, nominally assumed to be 60 days after the river level falls. Every effort will be made to identify opportunities to confirm that this project is functionally complete prior to the 66% milestone date, and construction will be resumed as soon as conditions at the site allow.

South Blvd-St. Joseph St Sewer Area Upgrades Phase B

The majority of this project falls within 1500 feet of the MR levee. The southern section of the project is required by permit to cease construction at 11 on the Carrollton gage and the northern section of the project is required by permit to cease construction at 35 on the Baton Rouge gage. Construction progress ceased prior to March 17 to begin flood preparation on the southern section with construction stopped and flood preparations ongoing for the northern section in anticipation of the MR level exceeding 35 feet in Baton Rouge on Tuesday, March 24. Construction of both sections which are on the critical path including excavation cannot be reinitiated at the site until approximately 60 days after the MR level drops below 11 to allow for soils to drain and stabilize in the area.

Group 1B PS 45

Construction has been impacted at the PS 45 site where high groundwater has become a construction issue as the MR level has risen. Completion of construction at this site has been delayed as the contractor has to incorporate measures for groundwater management. Every effort will be made to identify opportunities to confirm that this project is functionally complete prior to the 66% milestone date, and construction will be resumed as soon as conditions at the site allow.

Secondary Schedule Impacts

Plank Rd-Kleinpeter Road Area Sewer Upgrades Project

Group 1B Sewer Upgrades Project

Secondary schedule impacts could occur at these projects delaying the functionally complete evaluation due to system dependence on the ZATNIP Phase II Project where construction has been interrupted by the MR level. Every effort is being made to

identify potential alternate methods of confirming that the projects are functionally complete ahead of the 66% Regulatory milestone date independent of the status of the ZATNIP Phase II Project.

Multiple Pump Stations Highland Rd-Kenilworth Pkwy
Highland Road Sewer Area Upgrades (Group B)
Multiple Pump Stations Nicholson Rd- Brightside Ln

Sites within these projects are experiencing impacts from the elevated MR levels even though the locations are outside of the regulated 1500 foot zone. These areas are within the influence of the river where sand boils and surface seepage have occurred during previous flood events likely due to legacy MR meander channels. These silt and sand filled channels vary in width, depth, and distance from the MR, and are the legacy of other flow paths that the MR has taken across history. Issues associated with water seepage due to the river's level are closing or delaying construction as measures are implemented to manage the water.

The SSO Program is continuously monitoring the level of the MR through official transmittals of the Corps of Engineers, and maintains periodic observation of sites where construction has ceased. Intermittent contact is made with the personnel monitoring the MR level and levee in order to better understand the earliest that construction can resume on these projects. The SSO Program will aggressively pursue resumption of construction when it is deemed appropriate to do so.

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

Sincerely,



Bryan Harmon
Public Works Interim Director



Robert Abbott
Senior Special Assistant Parish Attorney

Cc: Honorable Melvin L. "Kip" Holden, Mayor-President
Mr. William B. Daniel, IV, Chief Administrative Officer
Dr. Al Amendariz, US EPA REGION 6 Administrator
Mr. Carlos Zequeira, US EPA (6RC-EA)
Ms. Gladys Gooden-Jackson, US EPA (6EN-WC)
Mr. Ted Broyles, LDEQ
Mr. Bruce Hammatt, LDEQ
Mr. Adam Smith, DPW
Mr. Mark LeBlanc, DPW
Mr. Joshua Crowe, CH2MHILL

National Weather Service River Forecast Center Lower Mississippi RFC

616
 FGUS64 KORN 181735
 ESPORN
 EXTENDED STREAMFLOW PREDICTION
 NATIONAL WEATHER SERVICE RIVER FORECAST CENTER, SLIDELL, LA
 1233 PM CDT WED MAR 18 2015

DATE	CPGM7	CIRI2	NMDM7	TPTT1	CRTM7	OSGA4	MEMT1	TRPM6	HEEA4
03-18-15	24.0	48.3	36.1	38.0	35.7	30.9	29.9	41.4	37.7
03-19-15	24.0	48.3	36.3	38.5	36.3	31.7	30.7	42.0	38.4
03-20-15	23.8	48.3	36.2	38.4	36.4	32.3	31.5	42.6	39.1
03-21-15	23.5	48.3	36.1	38.3	36.3	32.5	32.0	42.9	39.6
03-22-15	23.3	48.2	36.1	38.2	36.3	32.4	32.5	43.3	40.0
03-23-15	22.9	47.9	36.0	38.1	36.3	32.3	32.5	43.5	40.4
03-24-15	22.4	47.4	35.7	37.9	36.1	32.3	32.4	43.4	40.5
03-25-15	21.7	46.7	35.3	37.6	35.8	32.0	32.3	43.4	40.3
03-26-15	20.8	45.6	34.7	37.0	35.3	31.6	31.9	43.1	40.3
03-27-15	19.5	43.5	33.8	36.4	34.7	31.0	31.5	42.7	39.8
03-28-15	18.2	40.3	31.0	35.0	33.6	30.2	30.8	42.1	39.4
03-29-15	17.0	35.1	27.3	31.5	31.4	28.3	29.9	41.4	38.8
03-30-15	16.1	30.7	23.5	27.9	27.7	25.7	28.7	40.4	38.0
03-31-15	15.5	28.0	19.9	24.3	23.8	21.2	26.6	38.9	36.8
04-01-15	14.8	26.2	18.2	21.9	21.0	17.2	22.6	36.2	34.9
04-02-15	14.3	25.0	16.9	20.3	19.4	14.6	18.0	31.8	31.3
04-03-15	13.8	24.2	16.3	19.5	18.6	13.4	15.6	28.1	27.1
04-04-15	13.4	23.6	15.7	19.0	18.1	12.6	14.3	26.5	24.9
04-05-15	13.0	23.0	15.1	18.4	17.7	12.0	13.4	25.6	23.7
04-06-15	12.5	22.5	14.5	17.8	17.4	11.6	12.7	24.7	22.8
04-07-15	12.0	21.9	14.0	17.3	17.1	11.3	12.3	24.3	22.1
04-08-15	11.6	21.4	13.6	16.9	16.8	10.9	12.0	24.0	21.8
04-09-15	11.5	20.9	13.2	16.5	16.5	10.6	11.6	23.7	21.5
04-10-15	11.3	20.6	12.7	16.1	16.2	10.2	11.4	23.3	21.1
04-11-15	11.2	20.3	12.3	15.6	15.9	9.9	11.0	23.0	20.8
04-12-15	11.0	20.0	12.1	15.4	15.7	9.6	10.7	22.7	20.4
04-13-15	10.9	19.9	11.8	15.2	15.5	9.4	10.4	22.4	20.1
04-14-15	10.9	19.8	11.6	15.0	15.3	9.2	10.2	22.1	19.9

DATE	ARSA4	GEEM6	VCKM6	NTZM6	RRL11	BTRL1	DONL1	RRVL1	NORL1
03-18-15	32.5	43.6	38.8	45.5	47.7	31.8	22.3	16.8	12.2
03-19-15	33.2	44.3	39.5	46.3	48.7	32.7	23.4	17.6	13.0
03-20-15	33.8	44.9	40.2	46.9	49.4	33.6	24.0	18.2	13.4
03-21-15	34.4	45.4	40.7	47.6	49.9	34.2	24.4	18.6	13.5
03-22-15	35.0	45.9	41.1	47.9	50.3	34.7	24.7	18.9	13.7
03-23-15	35.4	46.4	41.5	48.2	50.5	34.9	24.9	19.1	13.7
03-24-15	35.7	46.6	41.8	48.6	50.6	35.1	25.1	19.1	13.7
03-25-15	36.0	46.8	42.1	48.8	50.7	35.1	25.1	19.2	13.7
03-26-15	35.9	46.9	42.3	48.9	50.8	35.2	25.2	19.2	13.8
03-27-15	35.8	46.8	42.5	48.9	50.8	35.2	25.2	19.3	13.8
03-28-15	35.4	46.6	42.4	49.0	50.9	35.3	25.3	19.3	13.8
03-29-15	35.0	46.2	42.2	48.9	51.0	35.3	25.3	19.4	13.9
03-30-15	34.4	45.7	41.8	48.9	50.9	35.3	25.3	19.5	14.0
03-31-15	33.7	45.0	41.3	48.6	50.8	35.2	25.2	19.4	13.9
04-01-15	32.6	44.3	40.7	48.3	50.7	35.0	25.1	19.3	13.7
04-02-15	31.0	43.0	40.0	47.8	50.3	34.7	24.9	19.1	13.6
04-03-15	27.6	40.7	38.8	47.0	49.5	34.2	24.3	18.7	13.4
04-04-15	23.9	37.1	36.6	45.7	48.7	33.5	23.7	18.2	13.1
04-05-15	21.9	34.2	33.2	43.9	46.9	32.3	23.0	17.7	12.8
04-06-15	20.7	32.8	30.4	40.9	44.8	30.5	21.8	17.0	12.4

04-07-15	19.9	32.0	29.0	38.2	43.1	28.8	20.5	16.1	11.8
04-08-15	19.4	31.3	28.3	36.9	41.6	27.0	19.3	15.3	11.2
04-09-15	19.1	30.9	27.6	36.2	40.5	25.7	18.2	14.4	10.6
04-10-15	18.7	30.6	27.3	35.6	39.8	24.7	17.2	13.7	10.0
04-11-15	18.4	30.3	26.9	35.3	39.2	24.1	16.8	13.2	9.5
04-12-15	18.1	30.0	26.7	34.9	38.9	23.7	16.4	12.9	9.3
04-13-15	17.8	29.7	26.4	34.7	38.6	23.4	16.1	12.6	9.2
04-14-15	17.5	29.4	26.1	34.4	38.4	23.2	15.9	12.5	9.0

NOTE: STAGE FORECASTS ARE BASED ON FUTURE RAINFALL COVERING THE NEXT 24 HOURS.

END ORN

\$\$

Z hhnq #P lvkvlss #U lyhu #I ruhfdvw #dgg #V wdjh #K | gur ju dskv

►Twenty-Eight (28) Day Graphical Lower Mississippi River Forecast

- Updates every Wednesday by 4:00 PM

National Weather Service
Lower Mississippi RFC River Forecast Center
62300 Airport Rd.
Slidell, LA 70460

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[Credits](#)
[Glossary](#)

Page Author: LMRFC Webmaster
Web Master's E-mail: sr-lmrfc.webmaster@noaa.gov
Page last modified: December 4th 2013 6:03 PM



DEPARTMENT OF THE ARMY
NEW ORLEANS DISTRICT, CORPS OF ENGINEERS
P.O. BOX 60267
NEW ORLEANS, LOUISIANA 70160-0267

REPLY TO
ATTENTION OF

CEMVN-EM

17 March 2015

MEMORANDUM TO: Levee Authorities and Districts

SUBJECT: 2015 March High Water Notice

1. In accordance with the New Orleans District Flood Response Plan, we are providing the following notice.
2. Levee Authorities and Districts should gather an accurate list of businesses located outside of flood protection and keep on record. Please provide a copy to the New Orleans District EOC via email: cemvn-eoc@usace.army.mil or fax at 504-865-7944.
3. Levee Authorities and Districts will ensure that all subsurface work, such as soil borings, groundwater monitoring wells, any type of drillings, pile driving, excavations, or foundation work and any other structures to be constructed across the levee and the adjacent batture within 1500 feet of the Mississippi River Levee centerline is restricted by the +11.0' Carrollton gage restriction, unless a waiver of that +11.0' restriction was granted in their permit up to +15.0'. None of these activities can take place when the river is above +15.0' at Carrollton.
4. Levee Authorities and Districts will ensure the removal of hay bales on L/S levee toes.
5. Levee Authorities and Districts will ensure that splash pads and road ditches are clean and clear of debris and detritus (to ensure free flow of water as designed).
6. Levee Authorities and Districts will ensure that all culverts in levee areas are cleaned, replaced, or removed.
7. Levee Authorities and Districts will ensure the removal and/or opening for the duration of the event of all gates and fences that hinder rapid movement over levee roads/crowns. Sector team and levee authority personnel must be provided unrestricted access to conduct patrolling. Begin coordination with local law enforcement entities as needed.
8. The point of contact for this memorandum is Dana Ray, 504-862-1491 or Dana.R.Ray@usace.army.mil.

Michael J. Stack, Jr. P.E.
Chief, Emergency Management

Attachment B
Notice of Force Majeure Event – Threat of
Mississippi River Flooding (December 2015)



**Department of Environmental Services
Wastewater Division**

City of Baton Rouge
Parish of East Baton Rouge

Post Office Box 1471
Baton Rouge, La 70821

December 21, 2015

CERTIFIED – RETURN RECEIPT REQUESTED

Mr. Michael T. Donnellan
U.S. Department of Justice
P.O. Box 7611
Washington, D.C. 20044-7611

Ms. Mona Tates (6EN-WM)
U.S. Environmental Protection Agency, Region 6
1445 Ross Avenue, Suite 1200
Dallas, TX 75202-2733

Ms. Peggy Hatch
Louisiana Department of Environmental Quality
602 N. Fifth Street
Baton Rouge, LA 70802

Re: City of Baton Rouge and Parish of East Baton Rouge
Consent Decree-Civil Action No. 01-978-B-M3
Notice of Force Majeure Event – 2015 December Mississippi River Flood Event

Ladies and Gentlemen:

In conformance with the *Force Majeure* provision included in *Section XXII – Force Majeure* of the Consent Decree, this letter will serve as the formal notification by the City of Baton Rouge and Parish of East Baton Rouge (City/Parish) to the Department of Justice (DOJ), Environmental Protection Agency (EPA), and Louisiana Department of Environmental Quality (LDEQ) that a force majeure event has taken place. As evidenced by the attached "2015 December High Water Notice" issued by the Corps of Engineers and dated 14 December 2015, all subsurface work within 1,500 feet of the river is to cease when the Carrollton Gage level reaches + 11.0 MSL. The Mississippi River is projected to continue rising as flood volume water from the Ohio River basin enters the Mississippi River system north of Baton Rouge, and is not projected to drop below + 11.0 MSL on the Carrollton gage until January 10, 2016 (based on the latest forecast, subject to change based on actual river levels). These elevated river levels are causing direct construction impacts beyond the control of the SSO Program on several projects in close proximity of the Mississippi River, with secondary schedule impacts being felt in all drainage basins. This Force Majeure notification will be updated as needed during the rest of this event.

The SSO Program is continuously monitoring the level of the Mississippi River through official transmittals of the USACE, and maintains periodic observation of sites where construction has

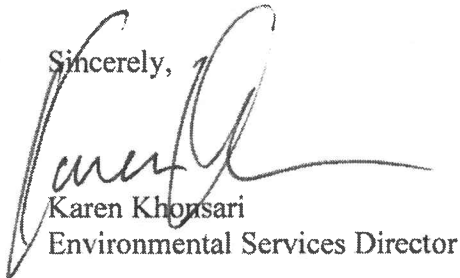
December 21, 2015

Page 2

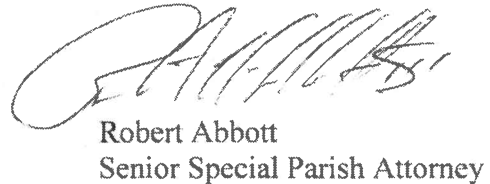
ceased. Intermittent contact is made with the personnel monitoring the Mississippi River level and levee in order to better understand the earliest that construction can resume on impacted projects. The SSO Program will aggressively pursue resumption of construction when it is deemed appropriate to do so.

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

Sincerely,



Karen Khonsari
Environmental Services Director



Robert Abbott
Senior Special Parish Attorney

Cc: Honorable Melvin L. "Kip" Holden, Mayor-President
William B. Daniel, IV, Chief Administrative Officer
Dr. Al Amendariz, US EPA REGION 6 Administrator
Mr. Carlos Zequeira, US EPA (6RC-EA)
Ms. Gladys Gooden-Jackson, US EPA (6EN-WC)
Mr. Ted Broyles, LDEQ
Mr. Adam Smith, PE, Chief of Wastewater Engineering & Technology
Mr. Josh Crowe, Program Director, CH2M
Mr. Joseph Young, PE, Program Manager, CH2M

Attachment C
Municipal Water Pollution Prevention
Environmental Audit Reports 2015



Department of Public Works

City of Baton Rouge
Parish of East Baton Rouge

Post Office Box 1471
Baton Rouge, Louisiana
70821

FILE COPY

July 14, 2015

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 March 1, 2014 to March 31, 2015.

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

Sincerely yours,


Karen M. Khonsari
Director of Environmental Services


KMK/AS/pas

xc: **Lea Anne Batson, Parish Attorney**
Adam Smith, P.E., Chief of Wastewater Engineering & Technology
Charles M. O'Brien, Wastewater Laboratory Supervisor

Attachment(s):

CITY-PARISH DEPARTMENTAL MEMORANDUM

Date July 14, 2015

To: Adam Smith, P.E., Chief of Wastewater Engineering & Technology
From: Charles M. O'Brien, Wastewater Laboratory Supervisor 
Subject: Municipal Water Pollution Prevention (MWPP) Environmental Audit Report

As required by the Louisiana Department of Environmental Quality, we are submitting our annual MWPP Environmental Audit Reports for approval. These reports are to be placed on the agenda for the July 2015 City/Parish Metropolitan Council meeting. **Upon approval, please return to Wastewater Treatment and Disposal Laboratory Section for submission to LDEQ.**

CMO/pas

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, LA
<i>Parish:</i>	East Baton Rouge
<i>(Person Completing Form) Name:</i>	Charles M. O'Brien Cynthia Thomas
	Wastewater Laboratory Supervisor
<i>Title:</i>	Asst. Wastewater Laboratory Supervisor
<i>Date Completed:</i>	June 17, 2015

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 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)	x	Column 2 Average Monthly BOD5 Concentration (mg/l)	x 8.34 =	Column 3 Average Monthly BOD5 Loading (pounds per day, lb/day)
17.05	x	168	x 8.34 =	23,889
17.01	x	168	x 8.34 =	23,833
20.66	x	134	x 8.34 =	23,089
16.19	x	152	x 8.34 =	20,524
14.93	x	158	x 8.34 =	19,674
14.09	x	148	x 8.34 =	17,392
11.62	x	173	x 8.34 =	16,766
12.39	x	174	x 8.34 =	17,980
16.85	x	170	x 8.34 =	23,890
17.35	x	173	x 8.34 =	25,033
15.43	x	165	x 8.34 =	21,233
18.83	x	153	x 8.34 =	24,027

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 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 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 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 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 #:

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)
APRIL	30	18
MAY	28	21
JUNE	19	17
JULY	21	15
AUGUST	19	17
SEPTEMBER	17	14
OCTOBER	19	17
NOVEMBER	23	17
DECEMBER	25	19
JANUARY	27	19
FEBRUARY	28	15
MARCH	28	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 #:

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.

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 #:

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?

$$\begin{array}{rcccl}
 & & & 1998 & \\
 & & & \hline
 \text{Current Year} & - & \text{Answer to A} & = & \text{Age in years} \\
 \hline
 2015 & & 1998 & & 17 \\
 \hline
 \end{array}$$

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.

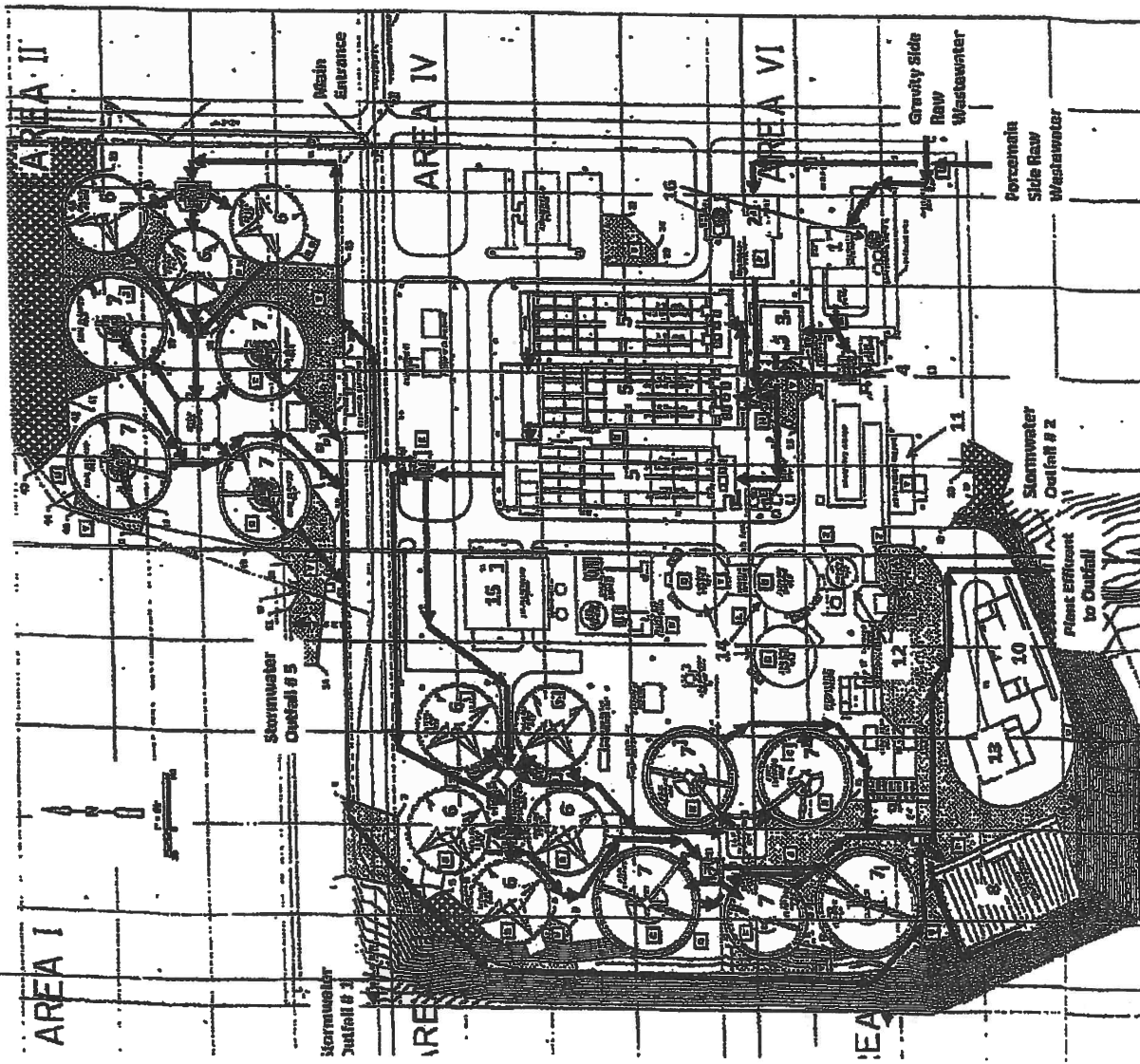
TOTAL POINT VALUE FOR PART 3 =

$$\frac{2.5}{\text{Factor}} \times \frac{17}{\text{Age}} = \boxed{42.5} \text{ (max = 50)}$$

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.

* See Attachment



- 1 - Gravity Side Preliminary Treatment
- 2 - Forcemain Side Preliminary Treatment
- 3 - Screw Influent PS
- 4 - Influent PS
- 5 - Primary Settling Tanks
- 6 - Trickling Filters
- 7 - Final Clarifiers
- 8 - Chlorine Contact Basins
- 9 - Effluent PS
- 10 - Chlorine Building
- 11 - Sulfur Dioxide Building
- 12 - Gravity Thickeners
- 13 - Gravity Belt Thickeners
- 14 - Anaerobic Digesters
- 15 - Sludge Dewatering Building
- 16 - Odor Control Biotowers (New)



North WWTP
Site Diagram

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:

11 ✓ 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: 11 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:

31 ✓ 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: 31 Treatment Plant: 0

- 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: 100 (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

Describe the procedure for gathering, compiling and reporting:

The procedure for gathering, compiling, and reporting is specified in the permit.

Permit #:

LA0036439

PART 5: SEWAGE SLUDGE STORAGE, USE, AND DISPOSAL

A. Sewage Sludge Storage

How many months of sewage 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 50 in the A point total box A Point Total

B. For how many months does your facility have approval to use or dispose of sewage sludge at a properly permitted landfill, land application site, or sewage sludge incinerator?

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

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

Write 0, 10, 20, 30 or 50 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: 44

Design Flow: 0.0 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.

(2014) Project Name	# of Lots	Design Pop.	Flow (gpm)	Flow (MGD)	Sewer Length (ft)
King's Children Subdivision	11	44	3.0556	0.00	1186
TOTAL			3.1	0.00	

Permit #:

LA0036439

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. #: 7130

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 and training for wastewater treatment plant employees?

√ Check one box. Yes No

Explain: 16 hours of continuing education within a two year period

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?*

No, sewer user fee revenues alone are not sufficient to cover O&M expenses. The City-Parish has two sources of revenue for sewer, the sewer user fee, and a one-half of one percent sales and use tax dedicated to sewer. 65% of the revenue base is from the sewer user fee and 35% from the sewer sales tax.

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

See A above. The City-Parish has financed it's sewer construction needs through the issuance of sewer revenue bonds and any funding that remains after O&M and debt services requirements are met.

Permit #:

LA0036439

PART 9: SUBJECTIVE EVALUATION

A. Collection System Maintenance

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

See Attached

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

See Attached

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

See Attached

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 TREATMENT WASTEWATER PLANT

LA MWPP Environmental Audit

Part 9: Subject 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 Plant
Monitoring Period (2014-2nd qtr. thru 2015-1st qtr.)**

Line Cleaned	282,427
CCTV Inspected	111,479
Smoke Tested	118,341
Dye Tested	0
Manhole Inspected	415
Line Repaired	499
Manhole Rehabilitated	73
Force Main – Inspected	173.6
Repaired	68
Air Released Valves-Inspected	900
Repaired	310
Wet Wells Cleaned	195
Pump Stations-Repaired	46

- 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.

NWWTP WWTP 2014-2015 Annual Audit

	2nd QTR 2014	3rd QTR 2014	4th QTR 2014	1st QTR 2015	Total
Lines Cleaned (ft)	49,610	108,370	85,211	39,236	282,427
CCTV Inspected (ft)	10,610	75,370	24,013	1,486	111,479
Smoke Tested (ft)	19,940	28,463	63,846	6,092	118,341
Dye Tested (no. of locations)	0	0	0	0	0
Manholes Inspected (no.)	7	390	3	15	415
Lines Repaired (no.)	51	47	143	258	499
Manholes Rehabbed (no.)	58	6	5	4	73
Force Main Inspection (miles)	37.8	57.4	24.2	54.2	173.6
Force Main Repaired (no.)	31	30	2	5	68
ARV Inspected/Maintained	189	287	153	271	900
ARV Repaired (no.)	78	78	54	100	310
Wet Wells Cleaned	63	67	65	0	195
Pump Station Repaired (no.)	8	15	10	13	46

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?

None

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

✓ Check one box.

Yes

No

If Yes, Please describe:

Gravity Influent

7-21-14

3-17-15

Forcemain Influent

4-8-14

10-7-14

4-7-15

Final Effluent

7-21-14

1-26-15

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-annually preventive maintenance sheets that reflect type and frequency as specified in the O&M manuals. A new computer program will manage the 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 the City Parish and self monitoring sampling. The same apply to the Pretreatment Ordinance. Enforcement mechanisms include discharge permits, surcharges, letter 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>	0	80 points
Part 2: <i>Effluent Quality / Plant Performance</i>	30	100 points
Part 3: <i>Age of WWTF</i>	42.5	50 points
Part 4: <i>Overflows and Bypasses</i>	100	100 points
Part 5: <i>Ultimate Disposition of Sludge</i>	10	100 points
Part 6: <i>New Development</i>	0	30 points
Part 7: <i>Operator Certification Training</i>	0	100 points

TOTAL POINTS:

182.5

ATTACHMENT 3

SAMPLE MWPP RESOLUTION

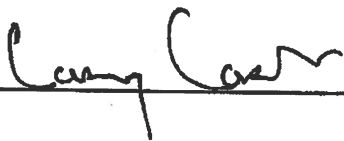
Resolved that the village/town/city of Baton Rouge informs the Louisiana Department of Environmental Quality that the following actions were taken by City Parish (governing body).

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 resolve the high concentration of Hydrogen Sulfide (H₂S).
 - d.
- etc..

Passed by a majority unanimous (circle one) vote of the Metropolitan Council on August 12, 2015 (date).



CLERK

ADOPTED
EAST BATON ROUGE SEWERAGE
COMMISSION

AUG 12 2015

680

Casmy Cash
COUNCIL ADMINISTRATOR TREASURER

RESOLUTION 51637

EBROSCO RESOLUTION 8136

ADOPTED
METROPOLITAN COUNCIL

AUG 12 2015

Casmy Cash
COUNCIL ADMINISTRATOR TREASURER

AUTHORIZING THE MAYOR-PRESIDENT
AND/OR THE EAST BATON ROUGE SEWERAGE
COMMISSION TO APPROVE THE SUBMITTAL
OF THE LOUISIANA MUNICIPAL WATER
POLLUTION PREVENTION
(MWPP) ENVIRONMENTAL AUDIT FOR THE
NORTH TREATMENT PLANT (LA0036439 AI#
4843) TO THE DEPARTMENT OF
ENVIRONMENTAL QUALITY (DEQ) FOR THE
MONITORING PERIOD OF APRIL 1, 2014
THROUGH MARCH 31, 2015.

BE IT RESOLVED by the Metropolitan Council of the Parish
of East Baton Rouge and City of Baton Rouge that:

Section 1. The Mayor-President on behalf of the City of
Baton Rouge and Parish of East Baton Rouge, and/or the East Baton
Rouge Sewerage Commission is hereby authorized to approve the
submittal of the Louisiana Municipal Water Pollution Prevention
(MWPP) Environmental Audit for the North Treatment Plant (LA0036439
AI# 4843) to the Department of Environmental Quality (DEQ) for the
monitoring period of April 1, 2014 through March 31, 2015, is
hereby approved.

LOUISIANA

MUNICIPAL WATER POLLUTION PREVENTION

MWPP



<i>Facility Name:</i>	City of Baton Rouge / Parish of East Baton Rouge / Central Wastewater Treatment Plant
<i>LPDES Permit Number:</i>	LA0036421
<i>Agency Interest (AI) Number:</i>	4842
<i>Address:</i>	2443 River Road
	Baton Rouge, LA
<i>Parish:</i>	East Baton Rouge
<i>(Person Completing Form) Name:</i>	Charles M. O'Brien Cynthia Thomas
<i>Title:</i>	Wastewater Laboratory Supervisor Assistant Wastewater Laboratory Supervisor
<i>Date Completed:</i>	June 17, 2015

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 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)
11.34	x	163	x 8.34 =	15,416
12.06	x	153	x 8.34 =	15,389
12.02	x	154	x 8.34 =	15,438
14.18	x	136	x 8.34 =	16,084
12.29	x	107	x 8.34 =	10,967
11.11	x	175	x 8.34 =	16,215
10.41	x	135	x 8.34 =	11,721
9.40	x	170	x 8.34 =	13,327
9.16	x	222	x 8.34 =	16,960
12.01	x	208	x 8.34 =	20,834
12.95	x	167	x 8.34 =	18,036
11.28	x	176	x 8.34 =	16,557

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	<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 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 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 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 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)
MARCH	23	21
APRIL	21	19
MAY	22	19
JUNE	19	17
JULY	16	14
AUGUST	16	16
SEPTEMBER	16	15
OCTOBER	20	20
NOVEMBER	18	22
DECEMBER	24	21
JANUARY	25	21
FEBRUARY	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 #:

LA0036421

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 #:

LA0036421

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 #:

LA0036421

PART 3. AGE OF THE WASTEWATER TREATMENT FACILITY

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

$$\begin{array}{r}
 \text{Current Year} \\
 \hline
 2015
 \end{array}
 -
 \begin{array}{r}
 \text{Answer to A} \\
 \hline
 1998
 \end{array}
 =
 \begin{array}{r}
 \text{Age in years} \\
 \hline
 17
 \end{array}$$

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 =

$$\frac{2.5}{\text{Factor}} \times \frac{17}{\text{Age}} = \boxed{42.5} \text{ (max = 50)}$$

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.

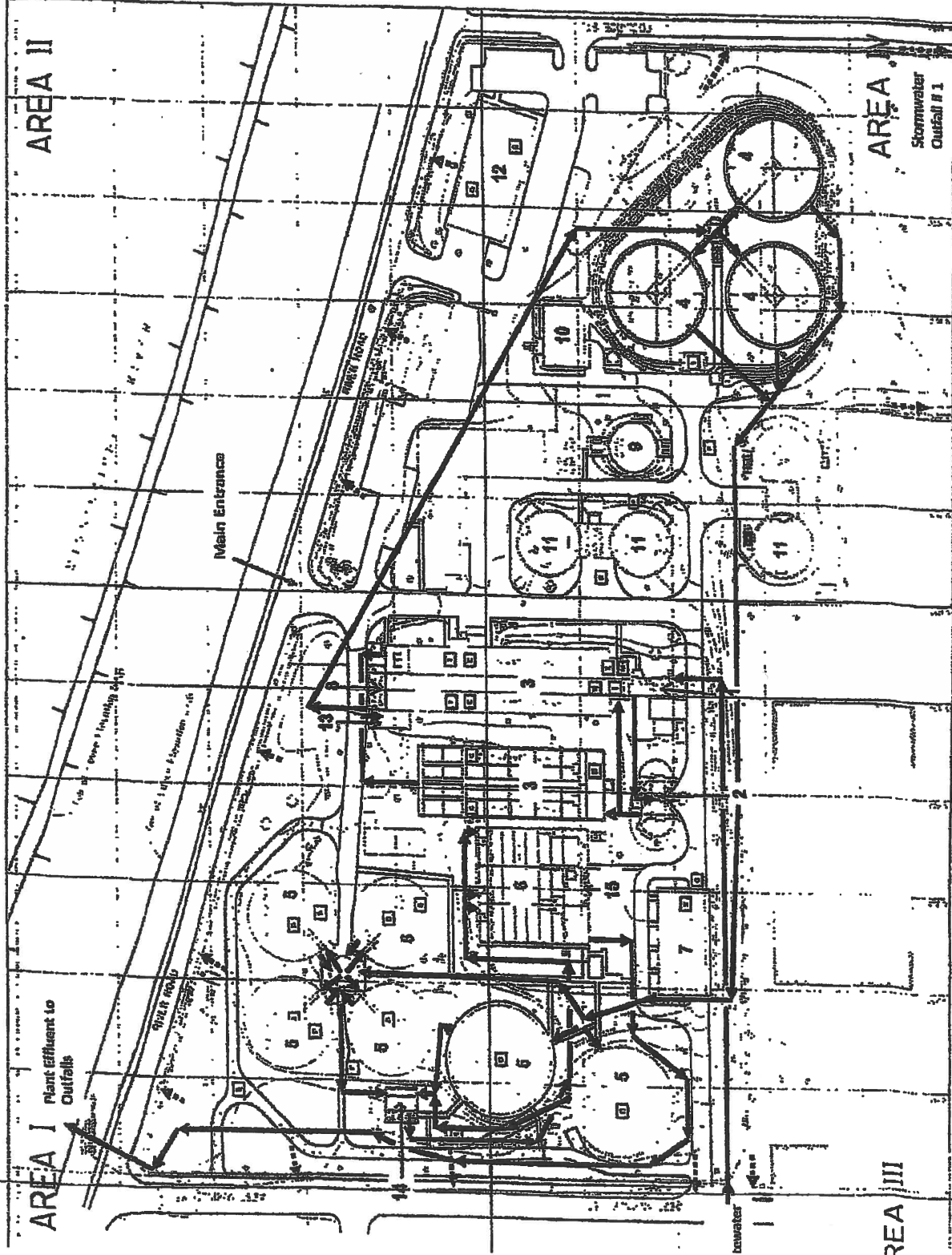
* See Attachment



- 1 - Bar Screens
- 2 - Grit Chambers
- 3 - Primary Clarifiers
- 4 - Trickling Filters
- 5 - Final Clarifiers
- 6 - Chlorine Contact Basin
- 7 - Chlorine Building
- 8 - Sulfur Dioxide Building
- 9 - Sludge Holding tank
- 10 - Gravity Belt Thickener
- 11 - Digesters
- 12 - Sludge Dewatering
- 13 - Trickling Filter FS
- 14 - Intermediate PS
- 16 - Effluent Pumps



Central WWTP Site Diagram



Permit #:

LA0036421

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:

15 ✓ 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: 13 Treatment Plant: 2

- 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: 65 (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

Describe the procedure for gathering, compiling and reporting:

The procedure for gathering, compiling, and reporting is specified in the permit.

Permit #:

LA0036421

PART 5: SEWAGE SLUDGE STORAGE, USE, AND DISPOSAL

A. Sewage Sludge Storage

How many months of sewage 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 50 in the A point total box A Point Total

B. For how many months does your facility have approval to use or dispose of sewage sludge at a properly permitted landfill, land application site, or sewage sludge incinerator?

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

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

Write 0, 10, 20, 30 or 50 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 #: **LA0036421**

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: 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 #:

LA0036421

PART 7: OPERATOR CERTIFICATION AND EDUCATION

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

Name: Clay Vanveckhoven

B. What is his or her certification number:

Cert. #: 7639

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: 16 hours of continuing education within a two year period.

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 #:

LA0036421

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?*

No, sewer user fee revenues alone are not sufficient to cover O&M expenses. The City-Parish has two sources of revenue for sewer, the sewer user fee, and a one-half of one percent sales and use tax dedicated to sewer. 65% of the revenue base is from the sewer user fee and 35% from the sewer sales tax.

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

See A above. The City-Parish has financed it's sewer construction needs through the issuance of sewer revenue bonds and any funding that remains after O&M and debt services requirements are met.

Permit #:

LA0036421

PART 9: SUBJECTIVE EVALUATION

A. Collection System Maintenance

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

See Attached

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

See Attached

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

See Attached

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 |

LA0036421 CENTRAL TREATMENT WASTEWATER PLANT

LA MWPP Environmental Audit

Part 9: Subject 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 Central Treatment Plant Collection System Area during the reporting period.

Central Treatment Plant
Monitoring Period (2014-2nd qtr. thru 2015-1st qtr.)

Line Cleaned	54,917
CCTV Inspected	12,167
Smoke Tested	0
Dye Tested	0
Manhole Inspected	14
Line Repaired	227
Manhole Rehabilitated	20
Force Main – Inspected	10.2
Repaired	20
Air Released Valves-Inspected	55
Repaired	20
Wet Wells Cleaned	9
Pump Stations-Repaired	5

- 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.

CWWTP WWTP 2014-2015 Annual Audit

	2nd QTR 2014	3rd QTR 2014	4th QTR 2014	1st QTR 2015	Total
Lines Cleaned (ft)	13,600	4,566	10,500	26,251	54,917
CCTV Inspected (ft)	600	1,316	0	10,251	12,167
Smoke Tested (ft)	0	0	0	0	0
Dye Tested (no. of locations)	0	0	0	0	0
Manholes Inspected (no.)	14	0	0	0	14
Lines Repaired (no.)	44	112	18	53	227
Manholes Rehabbed (no.)	1	11	5	3	20
Force Main Inspection (miles)	1.8	2	2.6	3.8	10.2
Force Main Repaired (no.)	1	13	1	5	20
ARV Inspected/Maintained	9	10	17	19	55
ARV Repaired (no.)	4	7	6	3	20
Wet Wells Cleaned	1	4	4	0	9
Pump Station Repaired (no.)	1	1	3	0	5

Permit #:

LA0036421

C. Treatment Plants

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

Yes No (✓ Check one box.)

06-24-2014 02-16-2015
Influent flow meter calibration date(s)

06-24-2014 02-16-2015
Effluent flow meter calibration date(s)

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

* lack of sludge haulers
* excessive broken equipment

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

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

Permit #:

LA0036421

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-annually preventive maintenance sheets that reflect type and frequency as specified in the O&M manuals. A new computer program will manage the 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 the City Parish and self monitoring sampling. The same apply to the Pretreatment Ordinance. Enforcement mechanisms include discharge permits, surcharges, letter 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 #:

LA0036421

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>0</u>	100 points
Part 3: <i>Age of WWTF</i>	<u>42.5</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:

117.5

ATTACHMENT 3

SAMPLE MWPP RESOLUTION

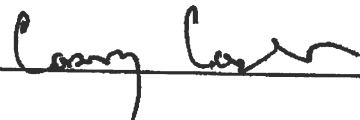
Resolved that the village/town/city of Baton Rouge informs the Louisiana Department of Environmental Quality that the following actions were taken by City Parish (governing body).

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 LA0036421 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 Metropolitan Council on August 12, 2015 (date).



CLERK

ADOPTED
EAST BATON ROUGE SEWAGE
COMMISSION

AUG 12 2015

679

Cesny Cash
COUNCIL ADMINISTRATOR TREASURER

RESOLUTION 51636

EBROSCO RESOLUTION 8135

ADOPTED
METROPOLITAN COUNCIL

AUG 12 2015

Cesny Cash
COUNCIL ADMINISTRATOR TREASURER

AUTHORIZING THE MAYOR-PRESIDENT AND/OR THE EAST BATON ROUGE SEWERAGE COMMISSION TO APPROVE THE SUBMITTAL OF THE LOUISIANA MUNICIPAL WATER POLLUTION PREVENTION (MWPP) ENVIRONMENTAL AUDIT FOR THE CENTRAL TREATMENT PLANT (LA0036421 AI# 4842) TO THE DEPARTMENT OF ENVIRONMENTAL QUALITY (DEQ) FOR THE MONITORING PERIOD OF MARCH 1, 2014 THROUGH FEBRUARY 28, 2015.

BE IT RESOLVED by the Metropolitan Council of the Parish of East Baton Rouge and City of Baton Rouge that:

Section 1. The Mayor-President on behalf of the City of Baton Rouge and Parish of East Baton Rouge, and/or the East Baton Rouge Sewerage Commission is hereby authorized to approve the submittal of the Louisiana Municipal Water Pollution Prevention (MWPP) Environmental Audit for the Central Treatment Plant (LA0036421 AI# 4842) to the Department of Environmental Quality (DEQ) for the monitoring period of March 1, 2014 through February 28, 2015, is hereby approved.

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, LA
<i>Parish:</i>	East Baton Rouge
<i>(Person Completing Form) Name:</i>	Charles M. O'Brien Cynthia Thomas
<i>Title:</i>	Wastewater Laboratory Supervisor Asst. Wastewater Laboratory Supervisor
<i>Date Completed:</i>	June 17, 2015

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)
40.21	x	164	x 8.34 =	54,998
40.61	x	132	x 8.34 =	44,707
43.36	x	124	x 8.34 =	44,841
44.10	x	125	x 8.34 =	45,974
42.59	x	112	x 8.34 =	39,782
39.20	x	145	x 8.34 =	47,404
38.88	x	121	x 8.34 =	39,235
37.54	x	123	x 8.34 =	38,509
36.56	x	149	x 8.34 =	45,432
39.96	x	162	x 8.34 =	53,989
38.29	x	171	x 8.34 =	54,607
34.72	x	169	x 8.34 =	48,936

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.

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 #:

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)
MARCH	25	26
APRIL	23	27
MAY	28	35
JUNE	26	27
JULY	16	27
AUGUST	20	28
SEPTEMBER	18	22
OCTOBER	17	23
NOVEMBER	20	22
DECEMBER	28	24
JANUARY	16	17
FEBRUARY	6	11

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:

- 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?

$$\begin{array}{rcccl}
 & & 1998 & & \\
 & & \hline
 \text{Current Year} & - & \text{Answer to A} & = & \text{Age in years} \\
 \hline
 2015 & & 1998 & & 17 \\
 \hline
 \end{array}$$

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.

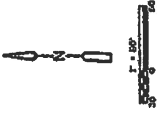
TOTAL POINT VALUE FOR PART 3 =

$$\frac{2.5}{\text{Factor}} \times \frac{17}{\text{Age}} = \boxed{42.5} \text{ (max = 50)}$$

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.

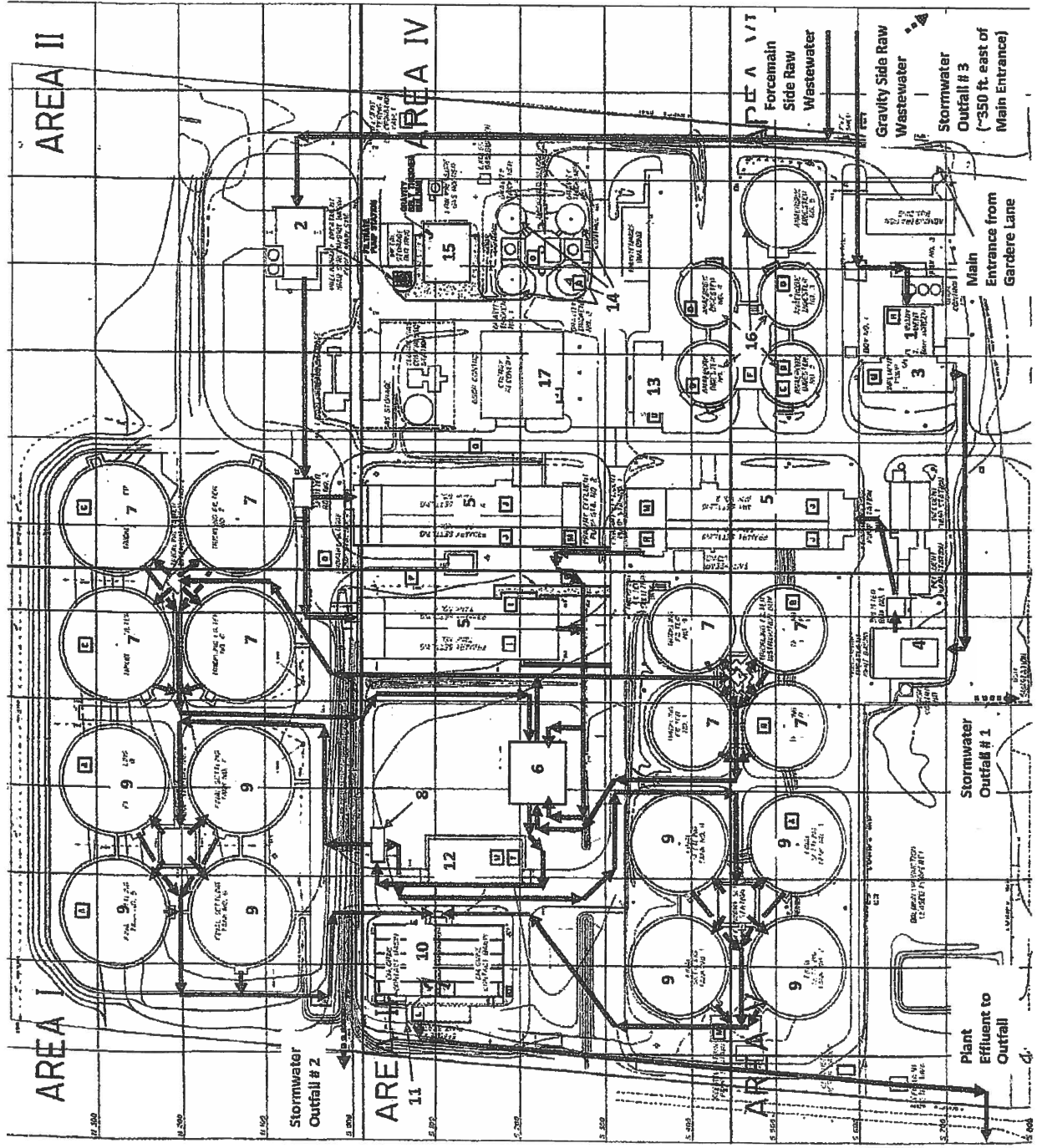
See attachment



- 1 - Gravity Side Influent Screening
- 2 - Forcemain Side Preliminary Treatment
- 3 - Gravity Influent PS
- 4 - Gravity Side Grit Basins
- 5 - Primary Settling Tanks
- 6 - Trickling Filter PS (New)
- 7 - Trickling Filters
- 8 - Flow Splitting Structure (New)
- 9 - Final Settling Tanks
- 10 - Chlorine Contact Basins
- 11 - Effluent PS
- 12 - Chlorine Building
- 13 - Sulfur Dioxide Building
- 14 - Gravity Thickeners
- 15 - Gravity Belt Thickeners
- 16 - Anaerobic Digesters
- 17 - Sludge Dewatering Building



Baton Rouge South WWTP Site Diagram



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:

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 A (i) that were within the collection system and the number at the treatment plant

Collection System: 16 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:

214 ✓ 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: 209 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: 100 (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

Describe the procedure for gathering, compiling and reporting:

The procedure for gathering, compiling, and reporting is specified in the permit.

Permit #:

LA0036412

PART 5: SEWAGE SLUDGE STORAGE, USE, AND DISPOSAL

A. Sewage Sludge Storage

How many months of sewage 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 50 in the A point total box A Point Total

B. For how many months does your facility have approval to use or dispose of sewage sludge at a properly permitted landfill, land application site, or sewage sludge incinerator?

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

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

Write 0, 10, 20, 30 or 50 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: 1,376 cap
Design Flow: 1.0 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.

(2014) Project Name	# of Lots	Design Pop.	Flow (gpm)	Flow (MGD)	Sewer Length (ft)	
Magnolia Lakes, 1st Filing	50	200	13,8889	0.02		0 Private sewer lines & pump station
Preserve at Harveston, Pt 1	95	380	26,3889	0.04		0 Private sewer lines
Highland Road Market Place (Commercial)			111,0000	0.16	2,200	
Long Farm Phase 1A	63	252	17,5000	0.03	3,758	
Lipsev Firearms Sewer Relocation	0	0	0,0000	0.00	352	
Six Oaks Estates (Formerly The Oaks at Bluebonnet Estates)	8	32	2,2222	0.00	765	
The Grove, Phase 1 (commercial)			559,0000	0.81	5,118	
University Club Plantation, 6th Filing Pt 2, Ph 1	38	144	10,0000	0.01	6,448	
University Club Plantation, 9th Filing	54	216	15,0000	0.02	2,075	
Magnolia Lakes, 2nd Filing	38	152	10,5558	0.02		0 Private sewer lines & pump station
TOTAL		1,378	768	1	20,712	

Permit #:

LA0036412

PART 7 OPERATOR CERTIFICATION AND EDUCATION

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

Name: Walter Brock

B. What is his or her certification number:

Cert.#: 00638

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: 16 hours of continuing education within a two year period.

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 #:

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?

No, sewer user fee revenues alone are not sufficient to cover O&M expenses. The City-Parish has two sources of revenue for sewer, the sewer user fee, and a one-half of one percent sales and use tax dedicated to sewer. 65% of the revenue base is from the sewer user fee and 35% from the sewer sales tax.

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

See A above. The City-Parish has financed it's sewer construction needs through the issuance of sewer revenue bonds and any funding that remains after O&M and debt services requirements are met.

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 attached

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

See attached

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

See attached

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

√ Check one box.

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

LA0036412 SOUTH TREATMENT WASTEWATER PLANT

LA MWPP Environmental Audit

Part 9: Subject 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 South Treatment Plant Collection System Area during the reporting period.

South Treatment Plant
Monitoring Period (2014-2nd qtr. thru 2015-1st qtr.)

Line Cleaned	544,133
CCTV Inspected	365,400
Smoke Tested	396,738
Dye Tested	5
Manhole Inspected	1,710
Line Repaired	1,866
Manhole Rehabilitated	216
Force Main – Inspected	82.2
Repaired	392
Air Released Valves-Inspected	521
Repaired	184
Wet Wells Cleaned	204
Pump Stations-Repaired	82

- 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.

SWWTP WWTP 2014-2015 Annual Audit

	2nd QTR 2014	3rd QTR 2014	4th QTR 2014	1st QTR 2015	Total
Lines Cleaned (ft)	162,618	112,770	176,555	92,190	544,133
CCTV Inspected (ft)	127,954	84,240	122,901	30,305	365,400
Smoke Tested (ft)	174,930	78,416	137,833	5,559	396,738
Dye Tested (no. of locations)	3	0	2	0	5
Manholes Inspected (no.)	673	458	515	64	1,710
Lines Repaired (no.)	468	419	523	456	1,866
Manholes Rehabbed (no.)	64	45	89	18	216
Force Main Inspection (miles)	24.2	0.0	44.0	14.0	82.2
Force Main Repaired (no.)	118	52	44	178	392
ARV Inspected/Maintained	121	110	220	70	521
ARV Repaired (no.)	69	31	59	25	184
Wet Wells Cleaned	67	73	64	0	204
Pump Station Repaired (no.)	21	18	25	18	82

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?

The South Treatment Facility has been under construction due to major system upgrade.

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

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

The "Wet Weather" expansion project of the South Treatment Plant. (SSO Program) - Sanitary Sewer Overflow

* Gravity Influent	* Forcemain Effluent	* Final Effluent
4-24-2014	4-29-2014	04-24-2014
11-20-2014	11-20-2014	11-20-2014

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-annually preventive maintenance sheets that reflect type and frequency as specified in the O&M manuals. A new computer program will manage the 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 the City Parish and self monitoring sampling. The same apply to the Pretreatment Ordinance. Enforcement mechanisms include discharge permits, surcharges, letter 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>	0	80 points
Part 2: <i>Effluent Quality / Plant Performance</i>	10	100 points
Part 3: <i>Age of WWTF</i>	42.5	50 points
Part 4: <i>Overflows and Bypasses</i>	100	100 points
Part 5: <i>Ultimate Disposition of Sludge</i>	10	100 points
Part 6: <i>New Development</i>	0	30 points
Part 7: <i>Operator Certification Training</i>	0	100 points

TOTAL POINTS:

162.5

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 (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 LA0036421 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.

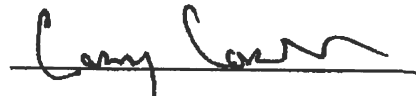
b.

c.

d.

etc..

Passed by ~~majority~~ unanimous (circle one) vote of the Metropolitan Council
on August 12, 2015 (date).



CLERK

EAST BATON ROUGE SEWERAGE
COMMISSION

AUG 12 2015

ADOPTED
METROPOLITAN COUNCIL

AUG 12 2015

678 *Cesny Cash*
COUNCIL ADMINISTRATOR TREASURER

RESOLUTION 51635

EBROSCO RESOLUTION 8134

Cesny Cash
COUNCIL ADMINISTRATOR TREASURER

AUTHORIZING THE MAYOR-PRESIDENT
AND/OR THE EAST BATON ROUGE SEWERAGE
COMMISSION TO APPROVE THE SUBMITTAL
OF THE LOUISIANA MUNICIPAL WATER
POLLUTION PREVENTION
(MWPP) ENVIRONMENTAL AUDIT FOR THE
SOUTH TREATMENT PLANT (LA0036412 AI#
4841) TO THE DEPARTMENT OF
ENVIRONMENTAL QUALITY (DEQ) FOR THE
MONITORING PERIOD OF MARCH 1, 2014
THROUGH FEBRUARY 28, 2015.

BE IT RESOLVED by the Metropolitan Council of the Parish
of East Baton Rouge and City of Baton Rouge that:

Section 1. The Mayor-President on behalf of the City of
Baton Rouge and Parish of East Baton Rouge, and/or the East Baton
Rouge Sewerage Commission is hereby authorized to approve the
submittal of the Louisiana Municipal Water Pollution Prevention
(MWPP) Environmental Audit for the South Treatment Plant (LA0036412
AI# 4841) to the Department of Environmental Quality (DEQ) for the
monitoring period of March 1, 2014 through February 28, 2015, is
hereby approved.