

**BATON ROUGE SSO PROGRAM
2002 CONSENT DECREE**



2014 ANNUAL REPORT

January 30, 2015



**Department of Public Works
Engineering Division**

City of Baton Rouge
Parish of East Baton Rouge

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January 30, 2015

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, 2014**

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, 2014. 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.

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 K. Harmon, PE
Interim Director 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)
Ms. Peggy Hatch, LDEQ
Ms. Cheryl Nolan, LDEQ
Ms. Celena Cage, LDEQ
Ms. Lea Anne Batson, Interim Parish Attorney
Mr. Bob Abbott, Parish Attorney's Office
Mr. Mark LeBlanc, DPW
Ms. Amy Schulze, DPW
Mr. Adam Smith, DPW
Mr. Mitch O'Brien, DPW
Ms. Cheryl Berry, DPW
Mr. Joshua Crowe, CH2M HILL

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

2443 River Road
Baton Rouge, LA 70802


Date: January 26, 2015

To: Ms. Cheryl Berry, DPW
From: Ms. Susan Douglas, CH2M HILL
Re: City of Baton Rouge and Parish of East Baton Rouge
Consent Decree-Civil Action No. 01-978-B-M3
2014 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 2014 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,
Susan Douglas, PE
Regulatory Coordinator/CH2M HILL

I certify that the information contained in or accompanying the portion of the 2014 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.

 1/27/15

cc: Document Control

**BATON ROUGE SSO PROGRAM
2002 CONSENT DECREE**

2014 ANNUAL REPORT

January 30, 2015

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.....	17
3. Environmental Results Monitoring.....	18
4. Interim Relief Measures Activities.....	18
4.1 North WWTP.....	18
4.2 Central WWTP.....	18
4.3 South WWTP	18 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	9
3 - EPA Consent Decree RMAP2 Milestones for Category 2 Projects.....	11
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, 2014.....	17
7 - Monthly Average Percent Removal	19
8 - Penalties Assessed and Paid by the City/Parish to Date.....	20
9 - Self-Reported Potential Stipulated Penalties 2014 (SSOs and WWTP violations).....	20 21

Attachments

- A - Notice of Force Majeure Event, Plank Road-Kleinpeter Road Project
- B - MWPP Audit Reports

Baton Rouge Consent Decree 2014 Annual Report

This Annual Report for the period from January 1, 2014 to December 31, 2014 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 2014, the City of Baton Rouge/Parish of East Baton Rouge (City/Parish) had fifty-eight (58) RMAP2 projects functionally completed (ahead of schedule), thirty (30) projects under construction, and twenty two (22) 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, 2014, there have been 69 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 was final as of 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 and was previously submitted as Attachment 1 of the 45th Quarterly EPA Report and Attachment A of the 2013 Annual Report. 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.

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, 2014 there are 58 RMAP2 projects functionally completed (ahead of schedule), 30 projects under construction, and 22 projects under design, and the City/Parish is at 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 continues to be 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 with the peak of RMAP2 work underway, with no significant drop off expected until early 2016.

In addition, the City/Parish continues documenting the impact of force majeure events that have affected the Baton Rouge Area, such as Hurricanes Katrina, Rita, and Gustav; the Gulf of Mexico oil spill; 2011 and 2013 Mississippi River flooding events; and Tropical Storm Lee, Hurricane Isaac, and other extreme storm events. The Consent Decree schedule is very demanding and the time lost recently and in the past years from these force majeure events has affected the critical early planning stages of 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. In 1st Quarter 2014, a force majeure letter was submitted on February 21, 2014 due to a construction issue on the Plank Road-Kleinpeter Road Capacity Project which was determined to be beyond the control of the City/Parish. An underground obstruction was struck during microtunneling activities, and had to be removed prior to resuming construction. A copy of this force majeure letter was provided in the 48th Quarterly EPA Report, and is provided as Attachment A of this report. The City/Parish will continue to regularly document all RMAP2 project changes related to force majeure events.

The City/Parish and CH2M HILL regularly re-evaluate projects as a part of Program Delivery Plan updates (PDP updates) and ongoing Value Engineering (VE) efforts. These include 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 PDP updates, and in the Quarterly and Annual EPA Reports. Therefore, Tables 2, 3, and 4 have been updated to reflect any changes associated with these ongoing modeling refinements.

The RMAP2 projects are separated into three categories with descriptions and schedules provided for all projects, current through December 31, 2014.

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	1st QTR 2013	2nd QTR 2015	4th 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 – 4 th quarter 2010.
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.

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	
Highland Road – Washington Street Area Rehabilitation Project		✓		Project completed—3 rd quarter 2013.
Stanford Avenue – Morning Glory Road Area Rehabilitation Project	✓			Project completed – 4 th quarter 2012.
Airline Highway – Goodwood Blvd Phase I Area Rehabilitation Project		✓		Project completed-3 rd quarter 2014.
Airline Highway – Goodwood Blvd Phase II Area Rehabilitation Project		✓		Construction is 85% complete and ongoing. Anticipated completion 1 st quarter 2015.
Acadian Thruway – Claycut Road Area Rehabilitation Project		✓		Project completed – 1 st quarter 2013.
Acadian Thruway – Perkins Road Area Rehabilitation Project	✓			Project completed – 4 th quarter 2012.
Antioch Road – Chadsford Drive Area Rehabilitation Project		✓		Construction 54% complete and ongoing. Anticipated completion 1 st quarter 2015.
Jones Creek Road – Tiger Bend Road Area Rehabilitation Project			✓	Construction 15% complete and ongoing. Anticipated completion 3 rd quarter 2015.
Scenic Highway – Spanish Town Road Phase I Area Rehabilitation Project		✓		Construction is 20% complete and ongoing. Anticipated completion 2 nd quarter 2015. Project moved from 3 rd milestone to 2 nd milestone in exchange for O’Neal Lane Pipelines Group B due to changes in construction sequencing.
Scenic Highway – Spanish Town Road Phase II Area Rehabilitation Project			✓	Bid phase complete; construction NTP anticipated 1 st quarter 2015.
Siegen Lane – Interstate 10 Area Rehabilitation Project			✓	Bid phase complete; construction NTP anticipated 1 st quarter 2015.
Interstate 110 – Hollywood Street Area Rehabilitation Project			✓	Construction is 15% complete and ongoing. Anticipated completion 3 rd quarter 2015.
Ardenwood Drive – Winbourne Street Area Rehabilitation Project			✓	Design 75% and ongoing. Anticipated completion 1 st quarter 2015.
Flannery Road – Florida Boulevard Phase I Area Rehabilitation Project			✓	Design initiated 4 th quarter 2014.
Flannery Road – Florida Boulevard Phase II Area Rehabilitation Project			✓	Data analysis underway. Design NTP expected 2 nd quarter 2015.
East Boulevard – Government Street Area Rehabilitation Project			✓	Advertisement for bids expected to begin 2 nd quarter 2015.
North 38 th Street – Gus Young Avenue Area Rehabilitation Project			✓	Data analysis underway. Design NTP expected 2 nd quarter 2015.

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, 2014.

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 90% complete and ongoing. Various environmental issues have greatly impacted the schedule for this project; major delays are anticipated.
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			✓	100% design under review. Additional work has been added to this project. Advertisement for bids anticipated 1 st 2015.
South Boulevard – St. Joseph Street Sewer Area Upgrades	✓			Project completed - 3rd 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 18% complete and ongoing. This project has encountered many underground physical obstacles that have impacted the anticipated completion date.
Downtown Area Pump Station Improvements		✓		Project completed - 3 rd quarter 2012.
Highland Road – Buchanan Street Sewer Area Upgrades	✓			Project completed - 4 th quarter 2011.
Citiplace/Essen Area - PS119 & Forcemain Improvements	✓			Project completed - 3 th quarter 2012.
Group Project 1A (Metro Airport Sewer Upgrades)		✓		Project completed - 2 nd quarter 2013.
Group Project 1B (Metro Airport Sewer Area Pump Station & Forcemain Upgrades)		✓		Construction approximately 98% complete and ongoing.
Perkins/Old Perkins Area - Booster PS 514 Improvements		✓		Project completed - 2 nd quarter 2013.
Group Project 2 (Old Perkins – Highland Road Area Upgrades)	✓			Project completed - 2 nd quarter 2012.
Highland Road – Burbank Drive Capacity Improvements		✓		Construction is approximately 99% complete and ongoing. The final components of this project have been incorporated into another project due to existing contractor abandoning Project. Work is being closely monitored for schedule impacts.
Nicholson Drive – Highland Road – Perkins Road Capacity Improvements Phase A		✓		Project completed - 1 st quarter 2012.
Nicholson Drive – Highland Road – Perkins Road Capacity Improvements Phase B		✓		Construction approximately 90% complete and ongoing.
Bayou Duplantier Area Sewer Upgrades		✓		Project completed--3 rd quarter 2013.
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 10% complete and ongoing. Contractor experiencing manpower issues. Schedule impacts being monitored.

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	
Plank Road – Kleinpeter Road Sewer Area Upgrades		✓		Construction is approximately 85% complete and ongoing.
O’Neal Lane Pipeline Improvements – Group A		✓		Project completed- 4th quarter 2014.
O’Neal Lane Pipeline Improvements – Group B			✓	NTP 4 th quarter 2014. Project moved to 3 rd milestone in exchange for Scenic-Spanishtown Phase I Rehabilitation Project for construction sequencing.
Multiple PS - Nicholson Dr - Brightside Dr		✓		Construction approximately 80% complete and ongoing.
Pump Station 58 Capacity Improvements		✓		Construction is approximately 98% complete and ongoing.
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 2013.
Multiple PS - Jefferson Hwy - Park Forest Dr		✓		Project completed - 3rd quarter 2012.
Airline Highway Pipeline Improvements-Phase A			✓	Design completed. Advertisement for bids expected to begin 1 st quarter 2015.
Airline Highway Pipeline Improvements-Phase B			✓	Design completed. Advertisement for bids expected to begin 1 st quarter 2015.
Multiple PS - Highland Road - Kenilworth Parkway			✓	Construction is approximately 2% complete and ongoing.
Florida Boulevard Pump Station Improvements			✓	Design completed. Advertisement for bids anticipated 2 nd quarter 2015.
Plank Road Pump Station Improvements			✓	Construction is approximately 3% complete and ongoing.
Multiple PS - Highway 61 - Plank Road			✓	100% design underway and expected to be submitted 1 st quarter 2015.
O’Neal Lane Pump Station Improvements – Group A			✓	Construction approximately 15% complete and ongoing.
O’Neal Lane Pump Station Improvements – Group B			✓	Construction approximately 8% complete and ongoing.
Sherwood Forest Blvd – Goodwood Blvd Pipeline Improvements			✓	Design completed. Advertisement for bids anticipated 1 st quarter 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	
Joor Road - Greenwell Springs Road Sewer Area Upgrades			✓	Design completed. Advertisement for bids anticipated 2 nd quarter 2016.
Plank Road - Port Hudson Pride Road Sewer Area Upgrades			✓	Bid phase complete; construction NTP anticipated 1 st quarter 2015.
Highland Road Pipeline Improvements - Group A			✓	Construction is approximately 5% complete and ongoing.
Highland Road Pipeline Improvements - Group B			✓	Advertisement for bids underway 3 rd quarter 2014. NTP anticipated 1 st quarter 2015.
Oak Villa Boulevard - Monterey Boulevard Sewer Area Upgrades			✓	Design completed. Advertisement for bids expected to be underway 2 nd quarter 2015.
Lovett Road – Greenwell Springs Road Sewer Area Upgrades – Group A			✓	90% design underway and expected to be submitted 1 st quarter 2015.
Lovett Road – Greenwell Springs Road Sewer Area Upgrades – Group B			✓	90% design underway and expected to be submitted 1 st quarter 2015.
Hooper Road Pump Station Improvements			✓	Design completed. Advertisement for bids expected to be underway 1 st quarter 2016.
Multiple PS - Prescott Rd - Greenwell Springs Rd			✓	Final design underway and expected to be complete 1 st quarter 2015.
Multiple PS - Burbank Drive - Siegen Lane			✓	Bid phase complete; construction NTP anticipated 2 nd quarter 2015.
Pump Station 42 Improvements		✓		Construction is approximately 75% complete and ongoing. Project being closely monitored and issues that may seriously impact schedule are being mitigated.
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 two storage projects sized to reduce peak flows to the existing North treatment plant that are also a part of this RMAP2 submittal, and are listed as follows and described in Table 4.

- Choctaw Storage Facility
- 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, 2014.

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	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				
Choctaw Storage and Pump Station Facility		✓		Project completed – 3rd quarter 2013.
Hooper Storage Facility		✓		Construction approximately 73% complete and ongoing. Project being closely monitored for

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	
				issues that are impacting schedule; mitigation efforts are underway.
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)		✓		Construction is approximately 96% complete and ongoing.

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
NWWTP Master Plan Project #1 – WWTP Improvements	Project Underway	Design – 18 months from start Construction – 3 years from design finish	Design is at 30% and ongoing.
NWWTP Master Plan Project #2 – Sustainability Projects	Project Underway	Design – 18 months from start Construction – 3 years from design finish	100% design underway. Alternate evaluation ongoing.

Table 5			
Proposed Schedule for Projects Outside of Consent Decree			
	Scheduled Start	Scheduled Finish	Project Status Summary
NWWTP Master Plan Project #3 (Public Project) – Plant Buffer	6 months from Extension approval	Design and Land Purchase – 1 year from start Construction – 1 year from design finish	Land acquisition is underway. RFQs for design expected to be underway in 1st quarter 2015.
SWWTP Wet Weather Improvements – Phase II (Master Plan portion)	Project Underway	Proposed completion by 1 st quarter 2015	Construction is approximately 96% complete and ongoing.
SWWTP Master Plan Project – Buffer Area	Project Underway	Proposed completion by 4 th quarter 2016	Advertisement for bid 1 st quarter 2015.
Sewer System and WWTP Stand-by Power Program	Project Underway	Completion of SSO Program	Installation approximately 80% 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 11% complete and ongoing; additional operational and permitting requirements being incorporated.
Environmental Services Facility	Project Underway	Proposed completed by 3 rd quarter 2016	100% design ongoing.
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 3 rd quarter 2015.	100% design under review. Additional work has been added to this project. Advertisement for bids anticipated 1 st quarter 2015.
South Boulevard – Saint Joseph Street Phase B	Project Underway	Expected to be completed by 2 nd quarter 2015.	Construction approximately 18% complete and ongoing. This project has encountered many underground physical obstacles that have impacted the anticipated completion date.
Central WWTP Decommissioning Project	4 th quarter 2014	Expected to be completed by 2 nd quarter 2017.	Project definition under review.

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 \$3.84 million, therefore this goal was exceeded during 2014. The annual goals for specific activities identified in the Collection System Preventive Maintenance Plan were not achieved as percentages of lines CCTV inspected (89%) and manholes inspected (84%) did not reach the annual goals as reported in the quarterly reports. Cumulative activities for quarters 2, 3 and 4 exceeded the cumulative goals set for this time frame. Annual goals were exceeded for linear feet of lines cleaned (149%), force main surface visual inspections (200%), air release valves inspected (112-140%), and pump stations inspected (163%).

Table 6 identifies the funds expended during 2014 to meet this requirement.

Project	Description	% Complete	Contract Amount, \$	Expenditures 2014, \$
11-MH-UF-0006	Manhole Rehabilitation Contract	15%	1,500,000	231,817
11-PN-UF-0043	Annual CDR Repair & Replacement project	100%	12,777	12,777
12-PI-MS-0010	Sewer Physical Inspection Contract #1	100%	294,260	294,260
12-PI-MS-0010	Sewer Physical Inspection Contract #2	37%	3,000,000	1,116,155
14-PN-UF-0003	Annual Sewer Repair & Replacement Project	1%	3,000,000	24,930
14-CP-UF-0001	Annual Cured-in-Place Lining Project 2014 Cycle	23%	1,887,277	430,322
14-PN-UF-0014	Parishwide Sewer Repair and Replacement Project	0%	1,728,224	0
12-ER-WC-0050	Parishwide Sewer Emergency Point Repairs	69%	2,500,000	1,731,550
TOTAL EXPENDITURES IN 2014			\$ 13,922,538	\$ 3,841,811

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 and is 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 June 17, 2014. Copies of the MWPP Reports submitted in 2014 have been included in this Report as Attachment B.

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 2014, the North WWTP has been in compliance with the 75% interim effluent limits for the entire 12 months of the reporting period for both removal of BOD and TSS. In fact, the North WWTP met the permit limit of 85% removal for TSS for 11 months, and it also met the permit limit for 85% removal of BOD for 7 months, as illustrated by Table 7.

There were no compliance issues reported at the North WWTP during the reporting period.

4.2 Central WWTP

The Central WWTP has been in compliance with the 75% interim effluent limits for removal of both TSS and BOD for all 12 months during this reporting period. The Central WWTP also has met the permit limit of 85% removal of TSS for 12 months and BOD for 10 months as illustrated by Table 7.

During the first quarterly reporting period of 2014, there was a power outage at the Main Motor Control Center which resulted in an on-site spill of an estimated 488,750 gallons. Vacuum trucks were deployed to remove standing sewer and return it to the head of the plant. The LDEQ was notified and the Sanitary Sewer Response Plan was followed. There were not any compliance issues reported at the Central WWTP during the second, third and fourth quarters of 2014.

4.3 South WWTP

The South WWTP has been in compliance with the 75% interim effluent limit for both TSS and BOD for all 12 months during this reporting period. The South WWTP also met the 85% effluent limit for BOD for 7 months of the year, and it met the 85% effluent limit for TSS for 9 months during the reporting period.

During all four quarterly reporting periods of 2014 there have been extensive plant upgrades taking place at the South WWTP, which have resulted in elevated test data. The on-going construction activities, new equipment installations and tie-ins to the existing WWTP are scheduled to be completed during 1st quarter 2015. Further noncompliance is not anticipated once the work is completed.

	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
North Plant-LA0036439												
BOD	84	78	83	82	83	86	86	88	88	89	87	85
TSS	90	86	84	87	87	88	89	91	89	87	87	86
Central Plant-LA0036421												
BOD	83	79	86	86	86	86	85	91	88	88	92	88
TSS	90	88	89	91	90	90	91	92	90	92	99	91
South Plant-LA0036412												
BOD	88	76	85	82	77	79	86	86	85	86	86	83
TSS	89	86	88	86	80	84	84	85	85	86	87	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, and 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 2014 are presented in Tables 8 and 9. There have been no reporting or scheduling deliverables missed during 2014, 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 2014 (SSOs and WWTP violations)			
Stipulated Penalties	Number	Cost Per Occurrence	Amount Accrued
Unauthorized Discharges 2014			
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	\$5000
1 MG or more	0	\$5,000	\$0

TABLE 9			
Self-Reported Potential Stipulated Penalties 2014 (SSOs and WWTP violations)			
Stipulated Penalties	Number	Cost Per Occurrence	Amount Accrued
Non-Compliant Discharges (WWTP) 2014			
Weekly Average Limits	1	\$1,000	\$1,000
Monthly (30-day average) Limits	1	\$2,500	\$2,500
2014 Total Stipulated Penalties (through December 31, 2014)			\$8,500
<p>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.</p>			

Attachment A
Notice of Force Majeure Event, Plank Road-
Kleinpeter Road Project



Department of Public Works

City of Baton Rouge
Parish of East Baton Rouge

Post Office Box 1471
Baton Rouge, La 70821

February 21, 2014

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 – RMAP2 Plank Road – Kleinpeter Road Capacity Project

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. During construction of the **Plank Road - Kleinpeter Road Sewer Area Upgrades** capacity project, a project identified as a part of the Second Remedial Measures Action Plan (RMAP2), the City/Parish asserts that an issue has recently arose beyond the control of the City/Parish which is summarized herein.

While a new sewer gravity main was being installed along Plank Road, an unexpected obstruction was encountered by the driller installing the pilot pipe during the first phase of installation by micro-tunneling. While the pilot pipe installation was not able to provide any video confirmation of the obstruction, the difference in resistance to the drilling was quite noticeable to the machine operator. Therefore, the change in resistance during drilling was logged and the construction manager was made aware of this in order to allow time for a subsequent investigation of the resistance difference. Just last week, the location of a subsurface element was confirmed on February 13, 2014 by augering in four discrete locations which confirmed the presence of a solid obstacle/obstruction in the path of the micro-tunneling operation. At this time it is still unknown as to what the "obstruction" specifically is and until confirmed, the City/Parish won't know the exact schedule implication of this force majeure event.

February 21, 2014

LDEQ has already been notified of the underground obstruction, and at this time LDEQ's underground storage tank database does not have a record of an underground storage tank at this specific location. However, discussions with LDEQ have indicated that if the solid obstruction is confirmed to be an underground storage tank, that there will be further activities and time needed for the City/Parish to handle associated with resolving this issue.

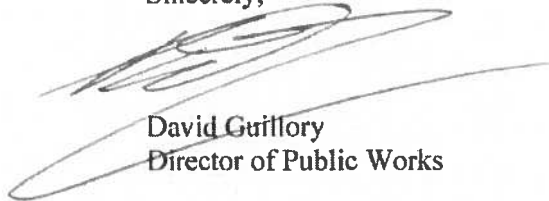
These pending activities along Plank Road necessitate ceasing micro-tunneling construction in this specific location only until the obstruction is able to be dug out, identified, and disposed of properly. However, the construction contractor is actually able to continue with pipe installation for this project upstream of this location, and should be able to come back and pick up micro-tunneling activities once the obstruction is removed. After alternatives were reviewed, the City/Parish has decided at this time to purchase the property in the location of the obstruction, with this option allowing them to resume construction in the area as quickly as possible. Additionally it allows the City/Parish to have direct control over the obstruction's removal and disposal activities. The City/Parish has already begun the purchase of this property. A project status update of this work will be provided in the next Quarterly EPA Report.

As of December 31, 2013, the **Plank Road – Kleinpeter Road Sewer Area Upgrades project** was approximately 40% complete with construction, and was projected to meet its EPA milestone schedule of June 30, 2015. At this time with the information available, the City/Parish anticipates the length of delay associated with this force majeure event to be approximately **90 days**. However, the City/Parish reserves the right to submit for additional time in order to increase the length of delay if justified, once the identity of the obstruction is confirmed.

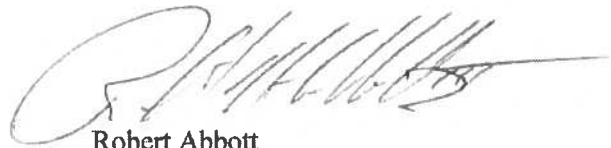
February 21, 2014

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,



David Guillory
Director of Public Works



Robert Abbott
Senior 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. Harold Leggett, LDEQ
Ms. Mary Roper, Parish Attorney
Mr. Bryan Harmon, DPW
Mr. Jim Ferguson, DPW
Mr. Mark LeBlanc, DPW
Mr. Joshua Crowe, CH2MHILL

Attachment B
MWPP Audit Reports



Department of Public Works

City of Baton Rouge
Parish of East Baton Rouge

Post Office Box 1471
Baton Rouge, Louisiana
70821

June 17, 2014

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, 2013 to March 31, 2014.

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

Sincerely yours,

Bryan Harmon, P.E.
Interim Director of Public Works

BH/CB/pas

xc: Mary Roper, Parish Attorney
Charles M. O'Brien, Wastewater Laboratory Supervisor

Attachment(s):

LOUISIANA

MUNICIPAL WATER POLLUTION PREVENTION

MWPP



Facility Name:	City of Baton Rouge / Parish of East Baton Rouge / North Wastewater Treatment Plant
LPDES Permit Number:	LA0036439
Agency Interest (AI) Number:	4843
Address:	55 Mills Avenue
	Baton Rouge, LA
Parish:	East Baton Rouge
(Person Completing Form) Name:	Charles M. O'Brien
	Cynthia Thomas
Title:	Wastewater Laboratory Supervisor Asst. Wastewater Laboratory Supervisor
Date Completed:	June 17, 2013

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)		Column 2 Average Monthly BOD ₅ Concentration (mg/l)		Column 3 Average Monthly BOD ₅ Loading (pounds per day, lb/day)
18.54	x	172	x 8.34 =	26,595
18.95	x	172	x 8.34 =	27,183
13.93	x	194	x 8.34 =	22,538
13.34	x	171	x 8.34 =	19,025
13.89	x	182	x 8.34 =	21,083
13.92	x	212	x 8.34 =	24,612
12.71	x	197	x 8.34 =	20,882
12.89	x	177	x 8.34 =	19,028
14.64	x	162	x 8.34 =	19,780
13.06	x	169	x 8.34 =	18,408
24.58	x	130	x 8.34 =	26,650
16.53	x	169	x 8.34 =	23,298

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	25	22
MAY	22	16
JUNE	26	18
JULY	21	15
AUGUST	20	13
SEPTEMBER	18	12
OCTOBER	21	15
NOVEMBER	23	13
DECEMBER	25	14
JANUARY	27	16
FEBRUARY	28	23
MARCH	29	23

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:

Due to excessive "Possible Illegal Dumping" at treatment facility, there was one sampling event of Whole Effluent Toxicity Testing that did not pass.

- 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?

$$\begin{array}{rcccl}
 & & & \underline{1998} & \\
 \text{Current Year} & - & \text{Answer to A} & = & \text{Age in years} \\
 \underline{2014} & & \underline{1998} & & \underline{16}
 \end{array}$$

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.

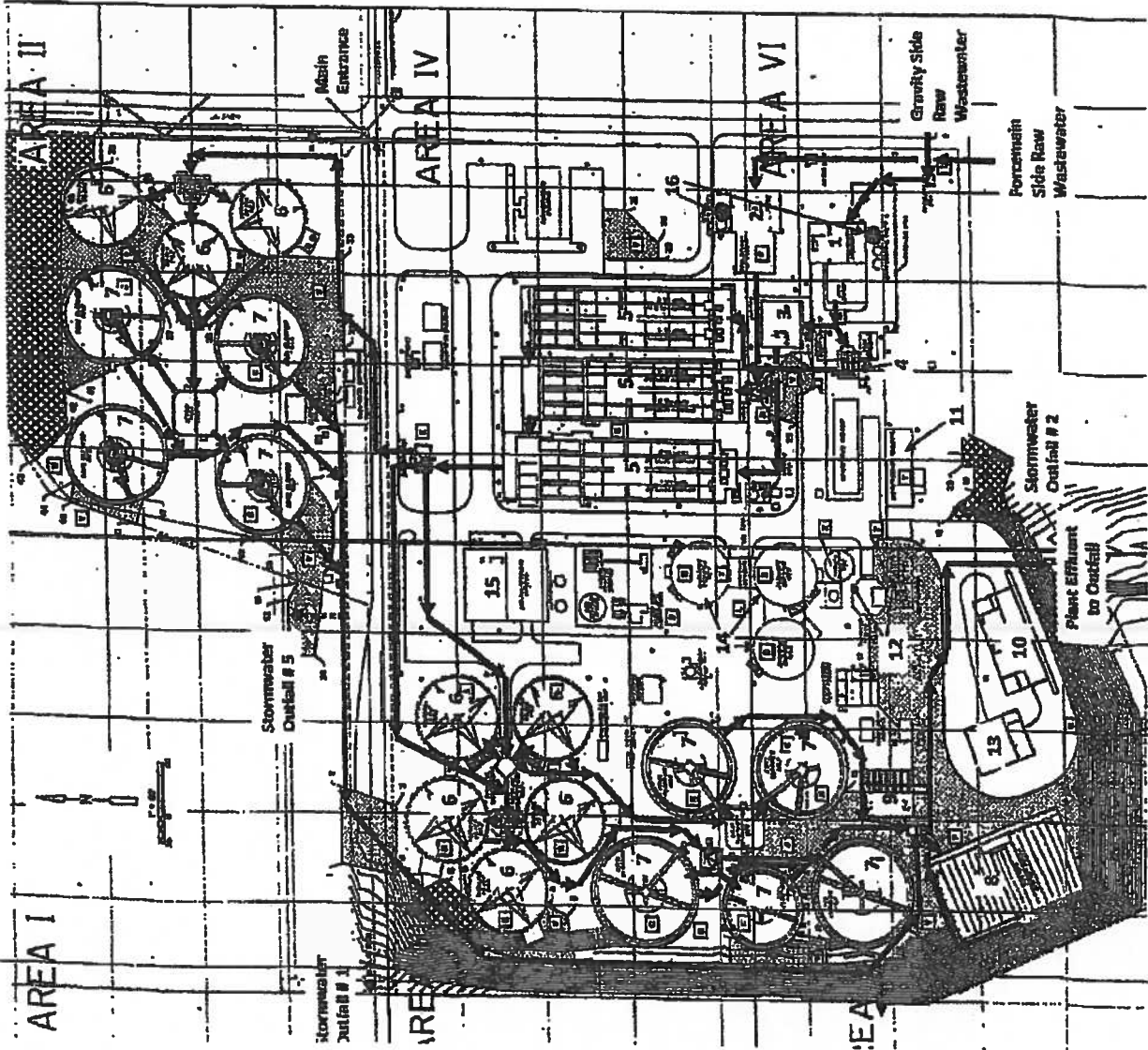
TOTAL POINT VALUE FOR PART 3 =

$$\frac{2.5}{\text{Factor}} \times \frac{16}{\text{Age}} = \boxed{40} \text{ (max = 50)}$$

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 Blowers (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:

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

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

Collection System: 4 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:

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

Collection System: 11 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: 80 (max = 100)

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

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

Charles M. O'Brien, Wastewater Laboratory Supervisor

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: 16

Design Flow: 0.00 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.

(2013) Project Name	# of Lots	Design Pop.	Flow (gpm)	Flow (MGD)	Sewer Length (ft)
Indian Mound Sanitary Sewer Extension	4	16	1.1	0.00	232
TOTAL		16	1.1	0.00	232

Permit #:

LA0036439

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 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 WASTEWATER PLANT

LA MWPP Environmental Audit

Part 9: Subjective Evaluation

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

North Treatment Area
Monitoring Period (2013 – 2nd qtr. thru 2014 – 1st qtr.)

Line Cleaned	188,592
CCTV Inspected	107,596
Smoke Tested	114,947
Dye Tested	0
Manhole Inspected	446
Line Repaired	384
Manhole Rehabilitated	111
Force Main – Inspected	121.8
Repaired	137
Air Release Valves-Inspected	595
Repaired	317
Wet Wells Cleaned	242
Pump Stations-Repaired	59

- 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 2013-2014 Annual Audit

	2nd QTR 2013	3rd QTR 2013	4th QTR 2013	1st QTR 2014	Total
Lines Cleaned (ft)	12,095	24,000	103,013	49,484	188,592
CCTV Inspected (ft)	1,498	351	85,263	20,484	107,596
Smoke Tested (ft)	628	121	69,217	44,981	114,947
Dye Tested (no. of locations)	0	0	0	0	0
Manholes Inspected (no.)	8	2	431	5	446
Lines Repaired (no.)	105	78	157	44	384
Manholes Rehabbed (no.)	14	30	10	57	111
Force Main Inspection (miles)	31.0	35.6	26	28.8	121.4
Force Main Repaired (no.)	35	70	23	9	137
ARV Inspected/Maintained	144	178	129	144	595
ARV Repaired (no.)	88	84	66	79	317
Wet Wells Cleaned	51	77	58	56	242
Pump Station Repaired (no.)	17	17	9	16	59

Permit #:

LA0036439

C. Treatment Plants

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

Yes No (✓ Check one box.)

7-17-13 & 1-31-14

Influent flow meter calibration date(s)

7-17-13 & 1-21-14

Effluent flow meter calibration date(s)

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

Maintenance issues with Trickling Filter #4.

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

✓ Check one box.

Yes

No

If Yes, Please describe:

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>	10	100 points
Part 3: <i>Age of WWTF</i>	40	50 points
Part 4: <i>Overflows and Bypasses</i>	80	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:

140

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 Metro Council on June 25, 2014 (date).

Cory Coak
CLERK

ADOPTED
METROPOLITAN COUNCIL

JUN 25 2014

656

RESOLUTION

50929

Casey Cash
COUNCIL ADMINISTRATOR TREASURER

AUTHORIZING THE MAYOR-PRESIDENT 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, 2013 THROUGH MARCH 31, 2014.

BE IT RESOLVED by the Metropolitan Council of the Parish of East Baton Rouge and City of Baton Rouge that the Mayor-President 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, 2013 through March 31, 2014, is hereby approved.

LOUISIANA

MUNICIPAL WATER POLLUTION PREVENTION

MWPP



Facility Name:	City of Baton Rouge / Parish of East Baton Rouge / Central Wastewater Treatment Plant
LPDES Permit Number:	LA0036421
Agency Interest (AI) Number:	4842
Address:	2443 River Road
	Baton Rouge, LA
Parish:	East Baton Rouge
(Person Completing Form) Name:	Charles M. O'Brien Cynthia Thomas
Title:	Wastewater Laboratory Supervisor Assistant Wastewater Laboratory Supervisor
Date Completed:	June 17, 2014

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)
11.67	x	108	x 8.34 =	10,511
14.47	x	99	x 8.34 =	11,947
14.31	x	113	x 8.34 =	13,486
10.19	x	103	x 8.34 =	8,753
9.13	x	108	x 8.34 =	8,224
9.29	x	144	x 8.34 =	11,157
10.42	x	157	x 8.34 =	13,644
9.68	x	178	x 8.34 =	14,370
8.74	x	127	x 8.34 =	9,257
9.99	x	155	x 8.34 =	12,914
10.67	x	132	x 8.34 =	11,746
16.41	x	114	x 8.34 =	15,602

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.

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

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

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

<i>months</i>	<input type="radio"/> 0	1	2	3	4	5	6	7	8	9	10	11	12
<i>points</i>	<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	21	21
APRIL	21	22
MAY	21	22
JUNE	19	18
JULY	21	20
AUGUST	18	17
SEPTEMBER	17	14
OCTOBER	19	19
NOVEMBER	21	16
DECEMBER	22	20
JANUARY	22	19
FEBRUARY	24	24

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.

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

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

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

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

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

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

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

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

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

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

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

$$\begin{array}{rcccl}
 & & 1998 & & \\
 & & \hline
 \text{Current Year} & - & \text{Answer to A} & = & \text{Age in years} \\
 \hline
 2014 & & 1998 & & 16 \\
 \hline
 \end{array}$$

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 =

$$\frac{2.5}{\text{Factor}} \times \frac{16}{\text{Age}} = \boxed{40} \text{ (max = 50)}$$

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.

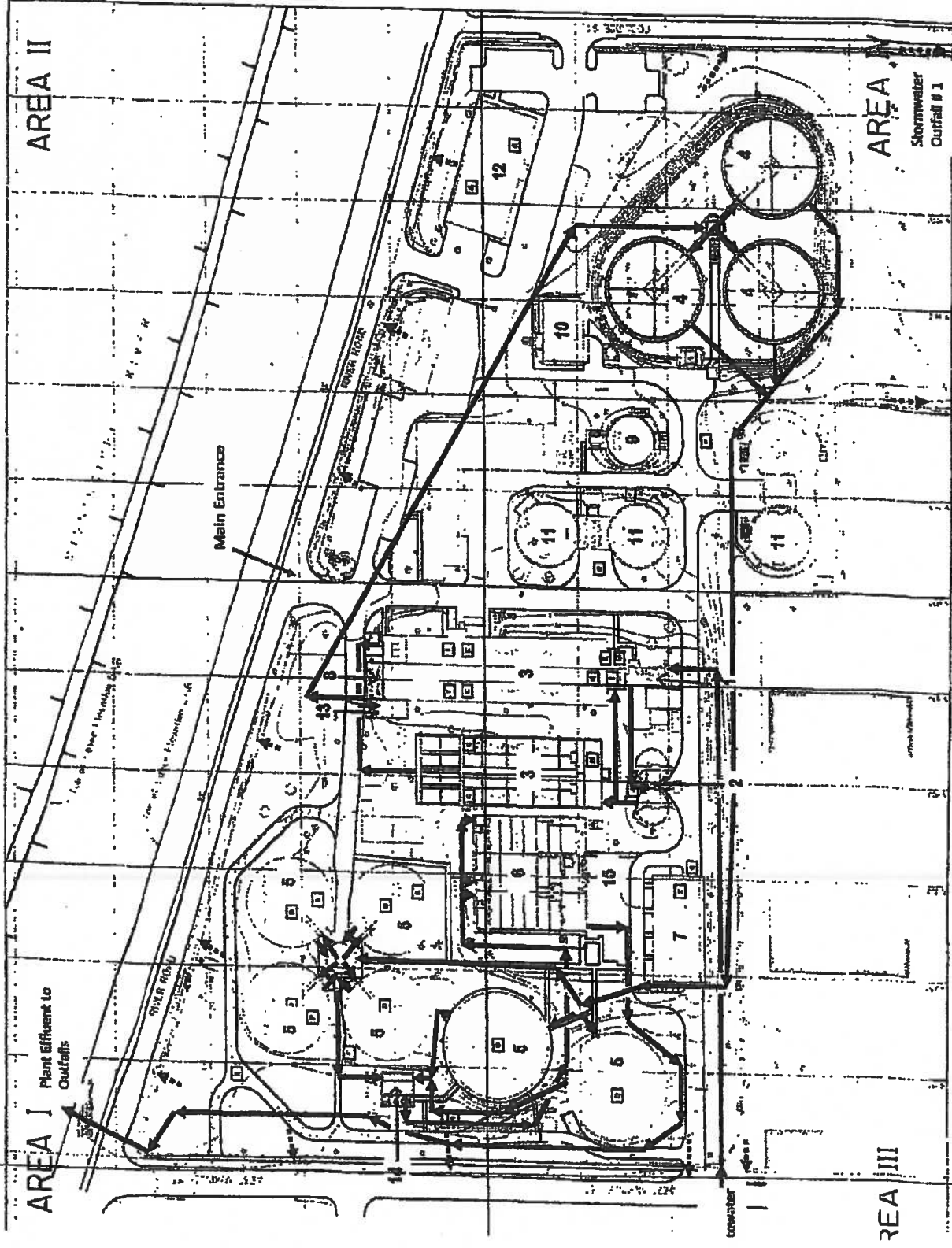
* See Attachment



- 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 PS
- 14 - Intermediate PS
- 15 - 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:

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

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

Collection System: 0 Treatment Plant: 1

B.

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

25 ✓ 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: 7 Treatment Plant: 18

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

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

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

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

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

Charles M. O'Brien, Wastewater Laboratory Supervisor

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: 0 mg/l

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

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

If Yes, Please describe:

List any new pollutants:

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

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

If Yes, Please describe:

List any new pollutants you anticipate:

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

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

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

Permit #:

LA0036421

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 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 its 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 WASTEWATER PLANT

LA MWPP Environmental Audit

Part 9: Subjective Evaluation

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

Central Treatment Area

Monitoring Period (2013 – 2nd qtr. thru 2014 – 1st qtr.)

Line Cleaned	272,853
CCTV Inspected	246,541
Smoke Tested	322,444
Dye Tested	4
Manhole Inspected	721
Line Repaired	402
Manhole Rehabilitated	23
Force Main – Inspected	2.9
Repaired	9
Air Release Valves-Inspected	20
Repaired	10
Wet Wells Cleaned	44
Pump Stations-Repaired	4

- 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 2013-2014 Annual Audit

	2nd QTR 2013	3rd QTR 2013	4th QTR 2013	1st QTR 2014	Total
Lines Cleaned (ft)	183,896	66,830	5,950	16,177	272,853
CCTV Inspected (ft)	186,134	56,030	1,200	3,177	246,541
Smoke Tested (ft)	154,697	163,628	791	3,328	322,444
Dye Tested (no. of locations)	0	3	0	1	4
Manholes Inspected (no.)	605	91	12	13	721
Lines Repaired (no.)	199	82	90	31	402
Manholes Rehabbed (no.)	9	4	9	1	23
Force Main Inspection (miles)	0.0	1.2	1.0	0.7	2.9
Force Main Repaired (no.)	0	6	3	0	9
ARV Inspected/Maintained	0	6	6	8	20
ARV Repaired (no.)	0	2	3	5	10
Wet Wells Cleaned	3	5	4	5	17
Pump Station Repaired (no.)	1	2	1	0	4

Permit #: **LA0036421**

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?

unexpected power outages

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

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

Influent Flow Meter Calibration

- 1) 06-04-13
- 2) 12-20-13

Final Effluent Flow Meter Calibration

- 1) 06-04-13
- 2) 12-20-13

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>40</u>	50 points
Part 4: <i>Overflows and Bypasses</i>	<u>55</u>	100 points
Part 5: <i>Ultimate Disposition of Sludge</i>	<u>10</u>	100 points
Part 6: <i>New Development</i>	<u>0</u>	30 points
Part 7: <i>Operator Certification Training</i>	<u>0</u>	100 points

TOTAL POINTS:

105

ATTACHMENT 3

SAMPLE MWPP RESOLUTION

Resolved that the village/town/city of Baton Rouge informs the Louisiana Department of Environmental Quality that the following actions were taken by City Parish (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 Metro Council
on June 25, 2014 (date).

Carly Cash
CLERK

ADOPTED
METROPOLITAN COUNCIL

JUN 25 2014

654

RESOLUTION 50927 *Casim Cash*
COUNCIL ADMINISTRATOR TREASURER

AUTHORIZING THE MAYOR-PRESIDENT 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, 2013 THROUGH FEBRUARY 28, 2014.

BE IT RESOLVED by the Metropolitan Council of the Parish of East Baton Rouge and City of Baton Rouge that the Mayor-President 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, 2013 through February 28, 2014, is hereby approved.

LOUISIANA

MUNICIPAL WATER POLLUTION PREVENTION

MWPP



Facility Name:	City of Baton Rouge / Parish of East Baton Rouge / South Wastewater Treatment Plant
LPDES Permit Number:	LA0036412
Agency Interest (AI) Number:	4841
Address:	2850 Gardere Lane
	Baton Rouge, LA
Parish:	East Baton Rouge
(Person Completing Form) Name:	Charles M. O'Brien Cynthia Thomas
Title:	Wastewater Laboratory Supervisor Asst. Wastewater Laboratory Supervisor
Date Completed:	June 17, 2014

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)
35.62	x	138	x 8.34 =	41,000
44.32	x	138	x 8.34 =	51,009
45.06	x	138	x 8.34 =	51,860
39.70	x	147	x 8.34 =	48,671
38.13	x	136	x 8.34 =	43,248
40.41	x	126	x 8.34 =	42,464
40.10	x	126	x 8.34 =	42,139
39.07	x	148	x 8.34 =	48,225
38.57	x	146	x 8.34 =	46,964
39.65	x	128	x 8.34 =	42,327
37.98	x	138	x 8.34 =	43,712
45.85	x	106	x 8.34 =	40,533

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	<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 #:

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	22	21
APRIL	27	28
MAY	24	27
JUNE	24	21
JULY	22	24
AUGUST	18	24
SEPTEMBER	19	20
OCTOBER	19	24
NOVEMBER	24	20
DECEMBER	21	19
JANUARY	16	21
FEBRUARY	25	26

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:*

See attached sheet

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:*

D. Other Monitoring and Limitations

p. 6

1.)	Fecal Coliform	05/21-27/2013	1,711 col./ 100 ML
2.)	Fecal Coliform	05/28-06/03/2013	645 col./ 100 ML
3.)	Fecal Coliform	06/04-10/2013	914 col./ 100 ML
4.)	Fecal Coliform	06/11-17/2013	794 col./ 100 ML
5.)	Fecal Coliform	06/25-07/01/2013	749 col./ 100 ML
6.)	Fecal Coliform	07/09-15/2013	467 col./ 100 ML
7.)	Fecal Coliform	07/23-29/2013	959 col./ 100 ML
8.)	Fecal Coliform	07/30-08/05/2013	1,266 col./ 100 ML
9.)	Fecal Coliform	10/15-21/2013	409 col./ 100 ML
10.)	Fecal Coliform	11/19-25/2013	695 col./ 100 ML
11.)	Fecal Coliform	11/26-12/02/2013	450 col./ 100 ML
12.)	Fecal Coliform	02/04-10/2014	544 col./ 100 ML

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?

$$\begin{array}{rcccl}
 & & & \underline{1998} & \\
 \text{Current Year} & - & \text{Answer to A} & = & \text{Age in years} \\
 \underline{2014} & & \underline{1998} & & \underline{16}
 \end{array}$$

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.

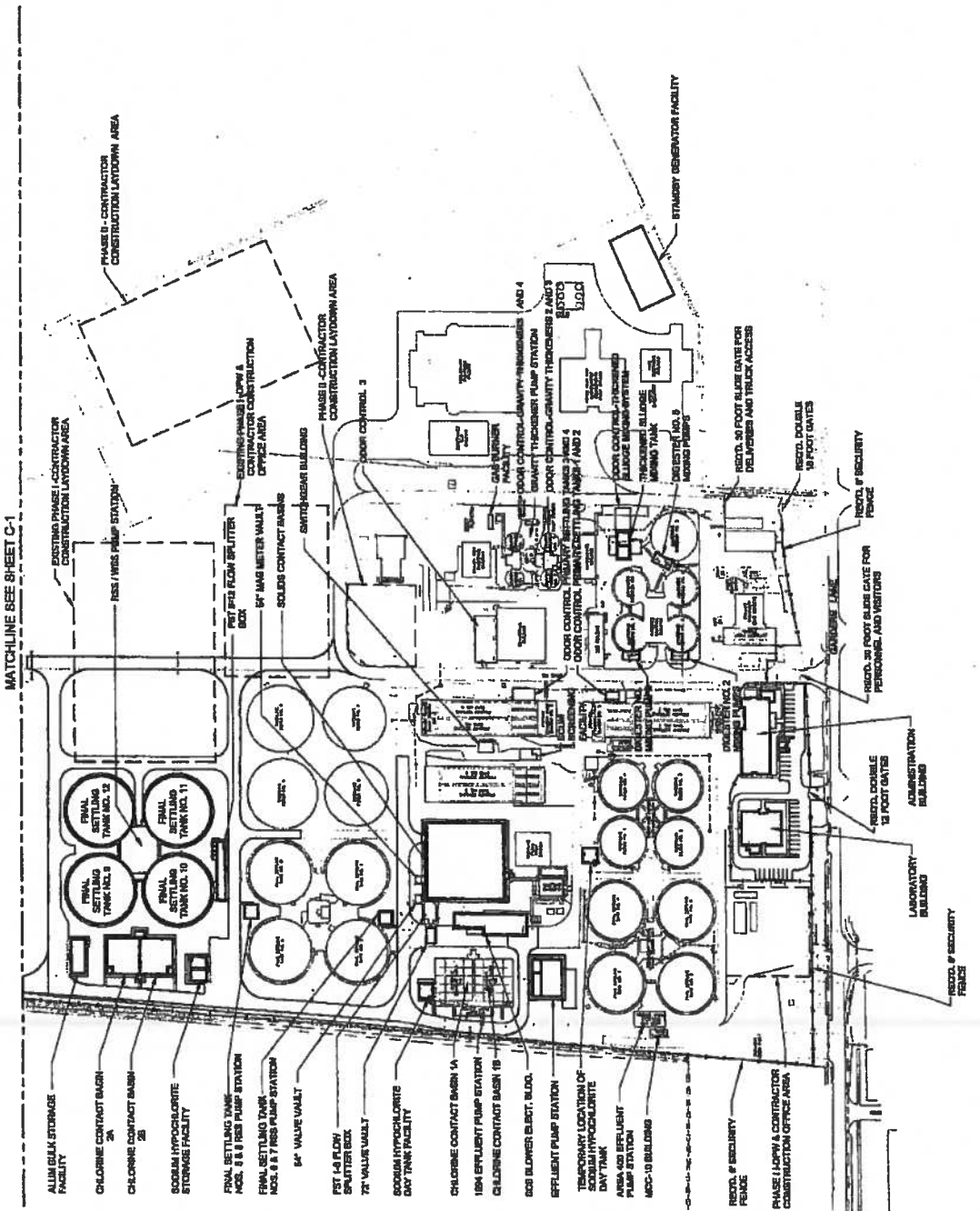
TOTAL POINT VALUE FOR PART 3 =

$$\frac{2.5}{\text{Factor}} \times \frac{16}{\text{Age}} = \boxed{40} \text{ (max = 50)}$$

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

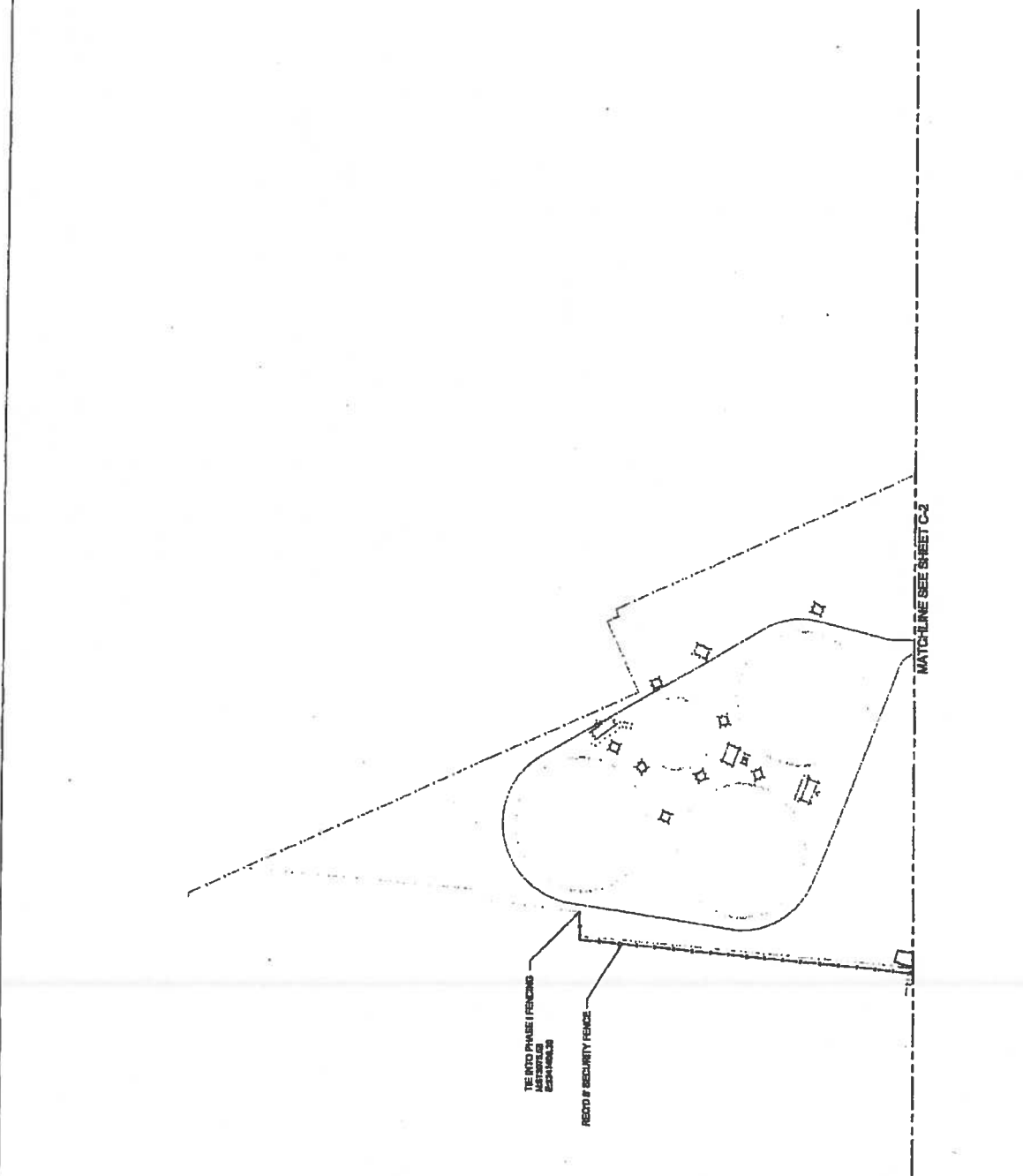


MATCHLINE SEE SHEET C-1



SCALE: 1" = 40'

PROJECT: EAST BATON ROUGE SOUTH WTR		SHEET: 11		DATE: 11/20/2011		DRAWN BY: [Signature]		CHECKED BY: [Signature]		APPROVED BY: [Signature]	
PROJECT: EAST BATON ROUGE		SHEET: 11		DATE: 11/20/2011		DRAWN BY: [Signature]		CHECKED BY: [Signature]		APPROVED BY: [Signature]	
PROJECT: EAST BATON ROUGE		SHEET: 11		DATE: 11/20/2011		DRAWN BY: [Signature]		CHECKED BY: [Signature]		APPROVED BY: [Signature]	



SCALE: 1" = 100'

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:

21 √ 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: 21 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:

106 √ 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: 94 Treatment Plant: 12

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: 1,164
Design Flow: 0.12 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.

(2013) Project Name	# of Lots	Design Pop.	Flow (gpm)	Flow (MGD)	Sewer Length (ft)
Burbank University Sewer Extension (Woodlands)	291 APTS	1,164	80.9	0.12	1,854
Moss Side Plantation Sewer Relocation	0	0	0.0	0.00	229
Guif Union Property Sewer Extension	0	0	0.0	0.00	749
TOTAL		1,164	80.9	0.12	2,832

Permit #:

LA0036412

PART 7: OPERATOR CERTIFICATION AND EDUCATION

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

Name: Hugh Taylor

B. What is his or her certification number:

Cert. #: 10-628

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

Level Required: Wastewater Treatment IV

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

Level Certified: Wastewater Treatment IV

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

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

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

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

√ Check one box. Yes No

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

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

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

H. Is there a written policy regarding continuing education 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 #:

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. *Do you have duckweed buildup in the ponds?*

Yes No

ii. *Do you mow the dikes regularly (at least monthly), to the waters edge?*

Yes No

iii. *Do you have bushes or trees growing on the dikes or in the ponds?*

Yes No

iv. *Do you have excess sludge buildup (> 1foot) on the bottom of any of your ponds?*

Yes No

v. *Do you exercise all of your valves?*

Yes No

vi. *Are your control manholes in good structural shape?*

Yes No

vii. *Do you maintain at least 3 feet of freeboard in all of your ponds?*

Yes No

viii. *Do you visit your pond system at least weekly?*

Yes No

LA0036412 SOUTH WASTEWATER PLANT

LA MWPP Environmental Audit

Part 9: Subjective Evaluation

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

South Treatment Area
Monitoring Period (2013 – 2nd qtr. thru 2014 – 1st qtr.)

Line Cleaned	382,413
CCTV Inspected	312,655
Smoke Tested	354,121
Dye Tested	4
Manhole Inspected	1,302
Line Repaired	1,356
Manhole Rehabilitated	180
Force Main – Inspected	79.6
Repaired	324
Air Release Valves-Inspected	431
Repaired	201
Wet Wells Cleaned	234
Pump Stations-Repaired	64

- 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 2013-2014 Annual Audit

	2nd QTR 2013	3rd QTR 2013	4th QTR 2013	1st QTR 2014	Total
Lines Cleaned (ft)	12,418	226,338	82,620	61,037	382,413
CCTV Inspected (ft)	2,512	201,489	70,444	38,210	312,655
Smoke Tested (ft)	21,808	59,571	246,414	26,328	354,121
Dye Tested (no. of locations)	0	0	4	0	4
Manholes Inspected (no.)	61	609	612	20	1,302
Lines Repaired (no.)	357	366	268	365	1,356
Manholes Rehabbed (no.)	32	77	62	9	180
Force Main Inspection (miles)	22.0	16.0	26.0	16.0	79.6
Force Main Repaired (no.)	77	45	93	109	324
ARV Inspected/Maintained	143	80	128	80	431
ARV Repaired (no.)	75	30	64	32	201
Wet Wells Cleaned	50	69	63	52	234
Pump Station Repaired (no.)	19	20	14	11	64

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

* Influent
05-02-2013
07-03-2013
02-13-2014

* Effluent
08-19-2013
02-14-2014

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>	<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>40</u>	50 points
Part 4: <i>Overflows and Bypasses</i>	<u>100</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:

150

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 0036412 AI # 4841.

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

- a. Currently, we are operating under a consent decree which became effective March 14, 2002.
 - b. South Treatment Plant is currently undergoing a major expansion, the "Wet Weather" system upgrade.
 - c.
 - d.
- etc..

Passed by a majority/unanimous (circle one) vote of the Metro Council
on June 25, 2014 (date).

Carly Cash
CLERK

ADOPTED
METROPOLITAN COUNCIL

JUN 25 2014

655

RESOLUTION 50928

Casey Cash
COUNCIL ADMINISTRATOR TREASURER

AUTHORIZING THE MAYOR-PRESIDENT 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, 2013 THROUGH FEBRUARY 28, 2014.

BE IT RESOLVED by the Metropolitan Council of the Parish of East Baton Rouge and City of Baton Rouge that the Mayor-President 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, 2013 through February 28, 2014, is hereby approved.