

BATON ROUGE SSO PROGRAM
2002 CONSENT DECREE



2017 ANNUAL REPORT

January 30, 2018



January 30, 2018

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, 2017

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, 2016. 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 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.

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

Sincerely yours,



Adam M. Smith, PE
Interim Environmental Services Director

cc: Honorable Sharon Weston-Broome, Mayor-President
Chief, Environmental Enforcement Section, US DOJ
Mr. Bobby Mayweather, LDEQ
Dr. Chuck Carr Brown, LDEQ
Ms. Mona Bates, US EPA Region 6
Mr. Carlos Zequeira, (6RC-EA)
Ms. Darlene Whitten-Hill, (6EN-WC)
Ms. Lea Anne Batson
Mr. Bob Abbott
Mr. Joseph Young, CH2M
Ms. Elizabeth Gibert, CH2M
Mr. Carlos Giron, CH2M
Ms. Cheryl Berry
Mr. Stan Redmond
Mr. Mark LeBlanc
Mr. John Ward
Mr. Paul Nata

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

2443 River Road
Baton Rouge, LA 70802

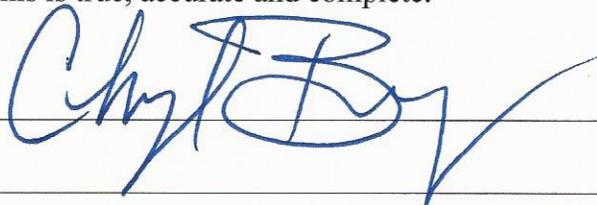
Date: January 30, 2018

To: Ms. Cheryl Berry, DES
From: Ms. Elizabeth Gibert, CH2M HILL
Re: City of Baton Rouge and Parish of East Baton Rouge
Consent Decree-Civil Action No. 01-978-B-M3
2017 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 2017 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,
Elizabeth Gibert
Regulatory Coordinator/CH2M HILL

I certify that the information contained in or accompanying the portion of the 2017 Annual EPA Report that I am responsible for is true, accurate, and complete. As to those identified portions of this document for which I cannot personally verify their truth and accuracy, I certify as the official having supervisory responsibility for the persons who, acting under my direct instructions, made the verification, that this is true, accurate and complete.



cc: Document Control

**BATON ROUGE SSO PROGRAM
2002 CONSENT DECREE**

2017 ANNUAL REPORT

January 30, 2018

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Baton Rouge Consent Decree 2017 Annual Report

This Annual Report for the period from January 1, 2017 to December 31, 2017 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 and additional projects outside of the Consent Decree. By the end of 2017, the City of Baton Rouge/Parish of East Baton Rouge (City/Parish) had ninety-seven (97) projects functionally completed, seventeen (17) projects under construction, and one (1) project awaiting advertisement, 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, 2017, there have been 79 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).

2.1 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).

2.1.1 RMAP1 Summary

The First RMAP (or RMAP1), submitted on January 10, 2001, consisted of the projects that were common to all three of the lowest cost VE options (3, 4, and 7) being evaluated. These RMAP1 projects listed in Exhibit F of the Consent Decree were those projects common to the alternatives presented in Section XII - Remedial Measures: Collection System Remedial Program of the Consent Decree. There were a total of 19 "common" projects identified through various modeling and VE efforts associated with the original SSO Corrective Action Plan developed by MWH in 1998. These projects were common to the alternative plans presented in the Consent Decree that focused on utilizing deep tunnels/storage to control the SSOs throughout the City/Parish's wastewater collection system. The phased implementation of these RMAP1 projects began at the end of 1999 and the beginning of 2000. These projects were planned to start and finish at different times due to funding constraints and the need for easements and permits. Since the date of entry into the Consent Decree, the City/Parish has been diligently working on the design and construction of these RMAP1 projects; all of these projects have been completed. During the planned execution of these projects, significant events occurred with the change in technical approach of the Collection System Remedial Program and, as such, some RMAP1 projects have been affected. Any, and all, such changes have been reported in previous reports.

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

In December 2007, the City/Parish and CH2M HILL submitted a detailed *RMAP1 Status Report* to the EPA that summarized the status of all of the RMAP1 projects. This report included a formal "Request for Time Extension" for those RMAP1 projects not yet completed, and a corresponding schedule for project completion. This report was submitted as the milestone requirement pursuant to Section XVIII – Reporting of the Consent Decree. This report and the request for a time extension were verbally approved by the U.S. Environmental Protection Agency (EPA) during a conference call on February 12, 2008. Since no formal approval was granted from the EPA or Louisiana Department of Environmental Quality (LDEQ) for the RMAP1 projects that were outstanding which were highlighted in the report, the City/Parish re-submitted the revised RMAP1 milestones as outlined in the *Second Remedial Measures Action Plan (RMAP2) Submittal for the Baton Rouge Sanitary Sewer Overflow Control and Wastewater Facilities Program* (September 2008).

In late 2008, an Agreement and Order Regarding the Modification of the Consent Decree was submitted to the court and was approved by the Department of Justice (DOJ), EPA, and LDEQ in April 2009. This approval formally accepted the RMAP1 milestones presented in the *Second Remedial Measures Action Plan (RMAP2) Submittal for the Baton Rouge Sanitary Sewer Overflow Control and Wastewater Facilities Program* (September 2008). Although with this approval a new technical approach to resolve SSOs was approved which made the old tunnel plan obsolete, the City/Parish actively progressed with the execution of the remaining RMAP1 projects included herein based on the approved revised schedule.

The status of the RMAP1 projects is presented in Table 1 and is current through December 31, 2011. As of that time, all 14 RMAP1 projects are functionally completed, and 13 of the 14 were done either on, or ahead of schedule. The RMAP1 - Industriplex Project has had several issues arise during the construction phase pertaining to: unavoidable utility conflicts, difficult easement acquisitions, alignment changes, and permitting and other utility coordination issues that have caused significant delays with the project which could not be overcome by reasonable actions by the City/Parish and its construction contractor. Therefore, this project has been functionally complete and in operation since 1st quarter 2011. The City/Parish strongly asserts that this project is not susceptible to stipulated penalties due to the circumstances of the delay beyond the control of the City/Parish. The circumstances behind the delay are explained in detail in Table 1 below, and have been also reported in previous Quarterly EPA Reports. The *RMAP1 Completion Report* is included in previously submitted/approved *2011 Annual EPA Report in Attachment 1: Updated Outreach and Public Awareness Plan and RMAP1 Completion Report* and can also be found attached at the end of the 36th Quarterly EPA Report.

Table 1. EPA Consent Decree RMAP1 Milestones

Milestone Date	Construction Status	RMAP1 Projects Completed	RMAP1 Projects Completed	Project Status Summary
		May 4, 2007	Proposed on September 1, 2008	
Consent Decree Projects	Corresponding City/Parish Projects	Complete	Complete	
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-S01B)	●		
S-11 PS 40 Area Rehabilitation	S-11 PS 40 Area Rehabilitation	●		
***S-99 South Further Investigations	SSO Engr-South (99-RMP-S99)	●		
	PS 944 Area Upgrade Grv Sewer (99-RMP-S99)	●		
	PS 944 Area Upgrade (99-RMP-S99)	●		
	PS 177 Area Upgrade (99-RMP-S99)	●		
	**PS 211 Area Upgrades (99-RMP-S11)	●		
N-01 Choctaw Basin Return System	Choctaw Area Storage (04-RMP-N22)			RMAP1 project suspended. Project is included as RMAP2: Choctaw Storage.
N-13 North Choctaw Basin System	S-05 PS 58B Area Upgrades MWH RMAP2			RMAP1 project suspended. Project is included as RMAP2: Choctaw Storage PS.
N-04 PS 47 Area Upgrades	N-04 PS 47 Area Upgrades			RMAP1 project suspended. Project is included as RMAP2: Group Project 1B – Veterans Memorial Parkway PS FM.
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.

Table 1. EPA Consent Decree RMAP1 Milestones

Milestone Date	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		
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		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		4 th Quarter 2007	Project completed – 4th quarter 2007.
S-08 Industriplex Area Upgrades		2 nd Quarter 2010	Project completed – 1st quarter 2011.
S-14 Kleinpeter Area Upgrades		2 nd Quarter 2010	Project completed – 2nd quarter 2009.
S-16 PS 136 Area Upgrades		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

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

However, during many discussions with DOJ, EPA, and LDEQ it was eventually agreed that the City/Parish submit a revised request for time extension (4 years) for the RMAP2 projects listed in the *Second Remedial Measures Action Plan (RMAP2) Submittal for the Baton Rouge Sanitary Sewer Overflow Control and Wastewater Facilities Program* (September 2008). One of the reasons for this request was for the City/Parish to accelerate the schedule of several "additional projects" (described later in this report in *Section 1.3 Additional Projects Outside of the Consent Decree*) that were planned throughout the City/Parish once all of the RMAP2 projects were completed. The 4-year extension request was eventually submitted on October 23, 2012 and was included in the document titled *Modified Request for Time Extension/Modification of the Compliance Schedule in the Approved RMAP2 Submittal*. The City/Parish's updated request for time extension (4 years) for the RMAP2 project was signed/formalized by DOJ/EPA/LDEQ on June 18, 2013. The City/Parish has therefore incorporated schedule modifications in tables 2, 3 and 4 below in order to take into account any changes included in the approved 4-year request for time extension in 2013.

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

As previously mentioned, as of December 31, 2017 there are ninety-seven (97) projects functionally completed, seventeen (17) projects under construction, and one (1) project awaiting advertisement.

The City/Parish continues documenting the impact of force majeure events that have affected the Baton Rouge Area. During 2017, there were multiple force majeure events related to the threat of Mississippi River Flooding and the Great Flood of 2016 that considerably affected Baton Rouge.

East Baton Rouge Parish, along with other nearby parishes, experienced a 1,000-year flooding event as a result of rain events that occurred August 11-14, 2016. The rain events led to extreme flooding, resulting in loss of life, housing, and property; estimates for those impacted are over 284,000 residents. On Friday, August 12, 2016 Governor John Bel Edwards declared a state of emergency for the entire state of Louisiana. This was followed on August 14, 2016, by President Obama signing the Louisiana Disaster Declaration, which declared a major disaster for the State of Louisiana. On September 23, 2016, Dr. Chuck Carr Brown, the secretary of the Louisiana Department of Environmental Quality signed a Second Amended Declaration of Emergency and Administrative Order, to expire September 30, 2016. On

September 30, 2016, a Third Amended Declaration of Emergency and Administrative Order was signed by Dr. Chuck Carr Brown, extending the order until November 30, 2016. On November 30, 2016, a Fourth Amended Declaration of Emergency and Administrative Order was signed by Dr. Chuck Carr Brown, extending the order until December 31, 2016. On December 21, 2016, a Fifth Amended Declaration of Emergency and Administrative Order was signed by Dr. Chuck Carr Brown, extending the order until January 31, 2017. On January 30, 2017, a Sixth Amended Declaration of Emergency and Administrative Order was signed by Dr. Chuck Carr Brown, extending the order through April 1, 2017. On March 27, 2017, a Seventh Amended Declaration of Emergency and Administrative Order was signed by Dr. Chuck Carr Brown, extending the order through May 1, 2017. On April 26, 2017, an extension of the Seventh Amended Declaration of Emergency and Administrative Order was signed by Dr. Chuck Carr Brown, extending the order through May 31, 2017. On May 25, 2017, a second extension of the Seventh Amended Declaration of Emergency and Administrative Order was signed by Dr. Chuck Carr Brown, extending the order through June 30, 2017. On June 27, 2017, a third extension of the Seventh Amended Declaration of Emergency and Administrative Order was signed by Dr. Chuck Carr Brown, extending the order through July 30, 2017. On July 28, 2017, a fourth extension of the Seventh Amended Declaration of Emergency and Administrative Order was signed by Dr. Chuck Carr Brown, extending the order through August 31, 2017. On August 30, 2017, a fifth extension of the Seventh Amended Declaration of Emergency and Administrative Order was signed by Dr. Chuck Carr Brown, extending the order through September 30, 2017. On September 20, 2017, a sixth extension of the Seventh Amended Declaration of Emergency and Administrative Order was signed by Dr. Chuck Carr Brown, extending the order through October 31, 2017. On October 30, 2017, a seventh extension of the Seventh Amended Declaration of Emergency and Administrative Order was signed by Dr. Chuck Carr Brown, extending the order through November 30, 2017 after which no additional extensions were issued.

In addition to the August 2016 Flood that created force majeure conditions for nearly all of 2017, Tropical Storm Cindy hit East Baton Rouge Parish. On June 21, 2017, a low-pressure area in the Gulf of Mexico, Tropical Storm Cindy, impacted Louisiana. John Bel Edwards, by State of Louisiana Proclamation No. 78 JBE 2017 declared that a state of emergency exists statewide on the same day, June 21, 2017. The Declaration of Emergency and Administrative Order expired August 20, 2017. (See Attachment A: 2017 Force Majeure Events and Updates).

These events and other force majeure events in past years (including Hurricanes Katrina, Rita, and Gustav, the Gulf of Mexico oil spill, 2011 Mississippi River flood, Tropical Storm Lee, Hurricane Isaac, the Great Flood of 2016, and other extreme storm events) can significantly impact not only project costs, but contractor availability, and also project schedules. The Consent Decree schedule is very demanding and the time lost recently and in the past years from these force majeure events has greatly affected the program, and could potentially affect project schedules and implementation now and into the future. The City/Parish keeps track of these events in regards to their potential effect on schedule and compliance, and also effect on the associated construction costs and contractor availability for RMAP2 project work. The City/Parish will continue to regularly document all RMAP2 project changes related to force majeure events.

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

The RMAP2 projects are separated into three categories with descriptions and schedules provided for all projects, current through December 31, 2017.

2.1.2.1 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. EPA Consent Decree RMAP 2 Milestones for Category 1 Projects

Milestone Date	33% Milestone	66% Milestone	100% Milestone	Project Status Summaries
	1 st QTR 2013	2 nd QTR 2015	4 th QTR 2018	
Construction Status	Functionally Complete*	Functionally Complete*	Functionally Complete*	
Jefferson Hwy – HooShooToo Road	●			Project completed – 3 rd quarter 2009.
Staring Lane – Boone Drive Area Rehabilitation Project	●			Project completed – 2 nd quarter 2010.
Burbank Drive – Gardere Lane Area Rehabilitation Project	●			Project completed – 1 st quarter 2011.
Oak Villa – Choctaw Street Area Rehabilitation Project	●			Project completed – 3 rd quarter 2011.
Scotland Avenue – Progress Road Area Rehabilitation Project	●			Project completed – 2 nd quarter 2011.
Elm Grove Garden Road – Harding Boulevard Area Rehabilitation Project	●			Project completed – 3 rd quarter 2011.
Sharp Road – Florida Boulevard Area Rehabilitation Project	●			Project completed – 3 rd quarter 2012.
Kenilworth Boulevard – Boone Drive Area Rehabilitation Project	●			Project completed – 3 rd quarter 2012.
Foster Drive - Government Street Area Rehabilitation Project Phase A	●			Project completed – 4 th quarter 2011.
Foster Drive - Government Street Area Rehabilitation Project Phase B	●			Project completed – 3 rd quarter 2012.
Silverleaf Road – Ford Street Area Rehabilitation Project	●			Project completed – 4 th quarter 2012.
Brookstown Road - Evangeline Street Phase I Area Rehabilitation Project	●			Project completed – 4 th quarter 2012.
Brookstown Road – Evangeline Street Phase II Area Rehabilitation Project	●			Project completed – 4 th quarter 2012.
Bluebonnet Blvd – Jefferson Hwy Phase I Area Rehabilitation Project		●		Project completed – 4 th quarter 2012.
Bluebonnet Blvd – Jefferson Hwy Phase II Area Rehabilitation Project		●		Project completed – 1 st quarter 2013.
Highland Road – Washington Street Area Rehabilitation Project		●		Project completed – 3 rd quarter 2013.
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.

Table 2. EPA Consent Decree RMAP 2 Milestones for Category 1 Projects

	33% Milestone	66% Milestone	100% Milestone	Project Status Summaries
	Milestone Date	1 st QTR 2013	2 nd QTR 2015	
Construction Status	Functionally Complete*	Functionally Complete*	Functionally Complete*	
Airline Highway – Goodwood Blvd Phase II Area Rehabilitation Project		●		Project completed – 2 nd 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		●		Project completed – 2 nd quarter 2015.
Jones Creek Road – Tiger Bend Road Area Rehabilitation Project			●	Project completed – 1 st quarter 2016.
Scenic Highway – Spanish Town Road Phase I Area Rehabilitation Project		●		Project completed – 2 nd quarter 2015.
Scenic Highway – Spanish Town Road Phase II Area Rehabilitation Project			●	Project completed – 2 nd quarter 2016.
Siegen Lane – Interstate 10 Area Rehabilitation Project			●	Project completed – 2 nd quarter 2017.
Interstate 110 – Hollywood Street Area Rehabilitation Project			●	Project completed – 3 rd quarter 2015.
Ardenwood Drive – Winbourne Street Area Rehabilitation Project			●	Project completed – 3 rd quarter 2016.
Flannery Road – Florida Boulevard Phase I Area Rehabilitation Project			●	Project completed – 3 rd quarter 2017.
Flannery Road – Florida Boulevard Phase II Area Rehabilitation Project			●	Construction 31% complete and ongoing.
East Boulevard – Government Street Area Rehabilitation Project			●	Project completed – 3 rd quarter 2017.
North 38 th Street – Gus Young Avenue Area Rehabilitation Project			●	Construction 31% complete and ongoing.

*A project is deemed “Functionally Complete” when a project has been constructed in accordance with the engineering and operation specifications and has been tested to function as required. The definition functionally complete may or may not mean that the asset has been put into service as designed. Further definition can be found within Quarterly Report #56.

2.1.2.2 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, 2017.

Table 3. EPA Consent Decree RMAP2 Milestones for Category 2 Projects

	33% Milestone	66% Milestone	100% Milestone	
Milestone Date	1st QTR 2013	2nd QTR 2015	4th QTR 2018	Project Status Summaries
Construction Status	Functionally Complete*	Functionally Complete*	Functionally Complete*	
Project Descriptions RMAP2 Projects				
Capitol Lake – Gayosa Street Area Capacity Improvements	●			Project completed - 2nd quarter 2012.
Gurney Road - Joor Road	●			Project completed - 4 th quarter 2009.
Sullivan Rd./Lovett Rd./Wax Rd. Sewer Upgrades	●			Project completed - 1 st quarter 2011.
Comite Road – Foster Road Sewer Area Upgrades - Phase I	●			Project completed - 2 nd quarter 2010.
Foster Road – Hooper Road Sewer Area Upgrade	●			Project completed - 4 th quarter 2010.
Zachary Area Transmission Network Improvements Phase I - 3 Pump Stations and Equalization Basin		●		Project completed - 1 st quarter 2013.
Zachary Area Transmission Network Improvements Phase II – Red Mud Lakes Forcemain to NWWTP		●		Project completed – 2 nd quarter 2016.
Zachary Area Transmission Network Improvements Phase III – Forcemain to Highway 964 to Red Mud Lakes		●		Project completed - 4 th quarter 2014.
Zachary Area Transmission Network Improvements Phase IV – Zachary Improvements		●		Project completed - 4 th quarter 2011.
Zachary Area Transmission Network Improvements Phase V – Zachary Improvements			●	Project completed – 1 st quarter 2017.
South Boulevard – St. Joseph Street Sewer Area Upgrades	●			Project completed – 2 nd quarter 2012.
South Boulevard – St. Joseph Street Sewer Area Upgrades – Phase B			●	Project completed – 3 rd quarter 2017.
Downtown Area Pump Station Improvements		●		Project completed - 2 nd quarter 2012.
Highland Road – Buchanan Street Sewer Area Upgrades	●			Project completed - 4 th quarter 2011.
Citiplace/Essen Area - PS119 & Forcemain Improvements	●			Project completed – 3 rd 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)		●		Project completed - 1 st quarter 2016.

Table 3. EPA Consent Decree RMAP2 Milestones for Category 2 Projects

	33% Milestone	66% Milestone	100% Milestone	
Milestone Date	1st QTR 2013	2nd QTR 2015	4th QTR 2018	Project Status Summaries
Construction Status	Functionally Complete*	Functionally Complete*	Functionally Complete*	
Perkins/Old Perkins Area - Booster PS 514 Improvements		●		Project completed - 2nd quarter 2013.
Group Project 2 (Old Perkins – Highland Road Area Upgrades)	●			Project completed - 2nd quarter 2012.
Highland Road – Burbank Drive Capacity Improvements		●		Project completed – 4th quarter 2016.
Nicholson Drive – Highland Road – Perkins Road Capacity Improvements Phase A		●		Project completed - 1st quarter 2012.
Nicholson Drive – Highland Road – Perkins Road Capacity Improvements Phase B		●		Project completed - 1st quarter 2015.
Bayou Duplantier Area Sewer Upgrades		●		Project completed - 3rd quarter 2013.
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			●	Project completed - 1st quarter 2016.
Plank Road – Kleinpeter Road Sewer Area Upgrades		●		Project completed - 1st quarter 2016.
O’Neal Lane Pipeline Improvements – Group A		●		Project completed - 4th quarter 2014.
O’Neal Lane Pipeline Improvements – Group B		●		Project completed - 2nd quarter 2015.
Multiple PS - Nicholson Dr - Brightside Dr		●		Project completed - 2nd quarter 2015.
Pump Station 58 Capacity Improvements		●		Project completed - 1st quarter 2015.
Staring Lane FM (Phase I - Burbank Drive to Highland Road)	●			Project completed - 2nd quarter 2010.
Staring Lane FM (Phase II - Highland road to Perkins Road)		●		Project completed - 4th quarter 2013.
Staring Lane FM (Phase III - Perkins to PS58)		●		Project completed - 3rd quarter 2014.
Multiple PS - Jefferson Hwy - Park Forest Dr		●		Project completed - 3rd quarter 2012.
Airline Highway Pipeline Improvements- Phase A			●	Project completed - 3rd quarter 2017.

Table 3. EPA Consent Decree RMAP2 Milestones for Category 2 Projects

	33% Milestone	66% Milestone	100% Milestone	
Milestone Date	1st QTR 2013	2nd QTR 2015	4th QTR 2018	Project Status Summaries
Construction Status	Functionally Complete*	Functionally Complete*	Functionally Complete*	
Airline Highway Pipeline Improvements-Phase B			●	Construction 76% complete and ongoing.
Multiple PS - Highland Road - Kenilworth Parkway			●	Project completed – 2nd quarter 2017.
Florida Boulevard Pump Station Improvements			●	Construction approximately 25% complete and ongoing.
Plank Road Pump Station Improvements			●	Project completed – 1st quarter 2017.
Multiple PS - Highway 61 - Plank Road			●	Construction approximately 75% complete and ongoing.
O’Neal Lane Pump Station Improvements – Group A			●	Project completed – 2nd quarter 2017.
O’Neal Lane Pump Station Improvements – Group B			●	Project completed – 4th quarter 2017.
Sherwood Forest Blvd – Goodwood Blvd Pipeline Improvements			●	Construction approximately 92% complete and ongoing.
Joor Road - Greenwell Springs Road Sewer Area Upgrades			●	Construction approximately 65% complete and ongoing
Plank Road - Port Hudson Pride Road Sewer Area Upgrades			●	Project completed - 3rd quarter 2015.
Highland Road Pipeline Improvements - Group A			●	Project completed - 3rd quarter 2016.
Highland Road Pipeline Improvements - Group B			●	Project completed – 2nd quarter 2017.
Oak Villa Boulevard - Monterrey Boulevard Sewer Area Upgrades			●	Project completed – 2nd quarter 2017.
Lovett Road – Greenwell Springs Road Sewer Area Upgrades			●	Construction is approximately 74% complete and ongoing.
Hooper Road Pump Station Improvements			●	Construction is approximately 75% complete and ongoing.
Multiple PS - Prescott Rd - Greenwell Springs Rd			●	Construction is approximately 34% complete and ongoing.
Multiple PS - Burbank Drive - Siegen Lane			●	Project completed – 4th quarter 2017.
Pump Station 42 Improvements		●		Project completed - 1st quarter 2016.
Pump Station 42 Forcemain - Phase I		●		Project complete - 3rd quarter 2014.
Pump Station 42 Forcemain - Phase II		●		Project complete - 2nd quarter 2014.

Table 3. EPA Consent Decree RMAP2 Milestones for Category 2 Projects

	33% Milestone	66% Milestone	100% Milestone	
Milestone Date	1st QTR 2013	2nd QTR 2015	4th QTR 2018	Project Status Summaries
Construction Status	Functionally Complete*	Functionally Complete*	Functionally Complete*	
Central Consolidated Pump Stations		●		Project complete - 4th quarter 2014.
Central Consolidated Forcemains-Phase I		●		Project complete - 3rd quarter 2013.
Central Consolidated Forcemains-Phase II		●		Project complete - 3rd quarter 2014.

*A project is deemed “Functionally Complete” when a project has been constructed in accordance with the engineering and operation specifications and has been tested to function as required. The definition functionally complete may or may not mean that the asset has been put into service as designed. Further definition can be found within Quarterly Report #56.

2.1.2.3 Category 3: Wastewater Treatment and Storage

This category of projects includes improvements at the City/Parish WWTPs, as well as storage facilities throughout the service area. There are not any RMAP2 projects that have been identified at the North WWTP, but several projects are being done by the City/Parish to improve plant performance and odor control. Based on extensive evaluations in the *Draft Wastewater Master Plan* (May 2008), the existing Central WWTP has insufficient flows to justify the cost of renovation and upgrading for future requirements, and will be retired when the RMAP2 projects are completed at the South WWTP. Flows predicted for the current central service area will be diverted to the South WWTP and adjustments will be made in the South WWTP improvements to handle the increased flows.

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

- The Immediate Action Plan (IAP) South WWTP Project includes screening, trickling filter recirculation pumping, primary treatment improvements, and bio-solids thickening improvements. Note that this project was made up of three separate projects that were grouped together for ease of execution and construction coordination. Also note that the effluent pumping IAP project has been completed.
- Phase 1 Improvements at the South WWTP for Wet Weather Flow including influent pumping, and screening and grit removal for a predicted flow of 345 million gallons per day (MGD). Phase 1 also includes 64 million gallons of equalization storage at the South WWTP.
- Phase 2 Improvements at the South WWTP include wet weather flow treatment with a peak capacity of 200 MGD (as previously approved in the November 2006 RMAP2).

In addition, there are storage projects sized to reduce peak flows to existing treatment plants that are also a part of this RMAP2 submittal, and are listed as follows and described in Table 4.

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

These storage projects are part of the transmission system that allows for retaining (storage) of peak wet weather flows and permits that stored flow is later released for treatment at the treatment plant. All projects of this type are already underway. The details of the wastewater treatment and storage projects are listed in Table 4 below, and are current through December 31, 2017.

Table 4. EPA Consent Decree RMAP2 Milestones for Category 3 Projects

Milestone Date	33% Milestone	66% Milestone	100% Milestone	Project Status Summaries
	1 st QTR 2013	2 nd QTR 2015	4 th QTR 2018	
Construction Status	Functionally Complete*	Functionally Complete*	Functionally Complete*	
Choctaw Storage and Pump Station Facility		●		Project completed – 3 rd quarter 2013.
Hooper Storage Facility		●		Project completed – 2 nd quarter 2016.
South WWTP IAP (Consolidated – Screening, Primary Treatment, Trickling Filter Recirculation, Sludge Handling)	●			Project completed - 2 nd quarter 2011.
South WWTP IAP (Effluent Pumping Improvements)	●			Project completed - 1 st quarter 2008.
SWWTP Wet Weather Improvements - Phase I		●		Project completed - 2 nd quarter 2013.
SWWTP Wet Weather Improvements - Phase II (PDP portion)		●		Project completed - 2 nd quarter 2015.

*A project is deemed “Functionally Complete” when a project has been constructed in accordance with the engineering and operation specifications and has been tested to function as required. The definition functionally complete may or may not mean that the asset has been put into service as designed. Further definition can be found within Quarterly Report #56.

2.1.3 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.

The North WWTP improvements project was most recently bid as one project-- North WWTP Master Plan & Sustainability Improvements Project. However, bids received for the project were 35% over available funds and therefore value engineering was used to break the project into several projects, as listed below in Table 5.

Table 5. Proposed Schedule for Projects Outside of Consent Decree

	Scheduled Start	Scheduled Finish	Project Status Summary
NWWTP Plantwide & Master SCADA Project	Project Underway	Construction – 4 th quarter 2018	Construction is approximately 1% complete and ongoing. Project originally part of NWWTP Master Plan project, re-scoped into several projects 4 th quarter 2016 due to high bids.
NWWTP Standby Generator Project	Project Underway	Construction – 2 nd quarter 2018	Construction is approximately 5% complete and ongoing. Project originally part of NWWTP Master Plan project, re-scoped into several projects 4 th quarter 2016 due to high bids.

Table 5. Proposed Schedule for Projects Outside of Consent Decree

	Scheduled Start	Scheduled Finish	Project Status Summary
NWWTP Pretreatment & Grit Removal Rehabilitation Project	Project Underway	Construction – 4 th quarter 2018	Construction is approximately 5% complete and ongoing. Project originally part of NWWTP Master Plan project, re-scoped into several projects 4 th quarter 2016 due to high bids.
NWWTP General Electrical Rehabilitation Project	Project Underway	Construction – 4 th quarter 2018	Construction is approximately 25% complete and ongoing. Project originally part of NWWTP Master Plan project, re-scoped into several projects 4 th quarter 2016 due to high bids.
NWWTP Odor Control & Sodium Hypochlorite Project	Project Underway	Construction – 2 nd quarter 2018	Construction is approximately 30% complete and ongoing. Project originally part of NWWTP Master Plan project, re-scoped into several projects 4 th quarter 2016 due to high bids.
North WWTP Sustainability Improvements Project	Project Underway	Construction – 2 nd quarter 2018	Construction is approximately 60% complete and ongoing. Project originally part of North WWTP Master Plan & Sustainability Improvements Project (projects #1 and #2 combined 3 rd quarter 2015), un-combined 4 th quarter 2016.
NWWTP Master Plan Project #3 (Public Project) – Plant Buffer	Project Underway	Construction – 2 nd quarter 2018	Advertisement anticipated 1 st quarter 2018.
SWWTP Wet Weather Improvements – Phase II (Master Plan portion)	Complete	Complete	Project completed – 2nd quarter 2015.
Sewer System and WWTP Stand-by Power Program	Project Underway	Completion of SSO Program	Generator installation of PDP stations approximately 90% complete and on-going. Additional scope added; anticipated continual growth on this project. All stored generators were flooded during the August 2016 Flood and will require acquisition of replacements.
SCADA (Collection System, Operations Data and Control Center)	Project Underway	Completion of SSO Program	Construction of overall project 78% complete and ongoing.
Environmental Services Facility	Project Underway	Complete	Project completed – 2nd quarter 2017. (DES consolidated staff into one facility to facilitate communications and operations.)
NWWTP Odor Control Project	Complete	Complete	Project completed – 4th quarter 2010.
Comite –Foster Road Sewer Area Upgrades - Phase II	Complete	Complete	Project completed – 1 st quarter 2011.
Zachary Area Transmission Network Improvements Phase V – Zachary Improvements	Project Underway	Project moved into RMAP2. See Table 5 for project status update	Project moved into RMAP2. See Table 5 for project status update
South Boulevard – Saint Joseph Street Phase B	Project Underway	Project moved into RMAP2. See Table 5 for project status update	Project moved into RMAP2. See Table 5 for project status update
Central WWTP Decommissioning Project	Project Underway	Complete	Project completed – 2nd quarter 2017. (Central WWTP decommissioned 3rd quarter 2016; permit discontinued 2nd quarter 2017.)

Table 5. Proposed Schedule for Projects Outside of Consent Decree

	Scheduled Start	Scheduled Finish	Project Status Summary
Ward Creek Aerial Crossing Replacement Emergency Project	Complete	Complete	Project completed – 3rd quarter 2015.
South Basin Coordination Project	Complete	Complete	Project completed – 4th quarter 2016.
South WWTP Landscape Buffer Area	Complete	Complete	Project completed – 2nd quarter 2016.

2.1.4 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 \$9.89 million, therefore this goal was exceeded during 2017. The City/Parish was in compliance with Section XII Collection System Remedial Program during this reporting period. There were no problems encountered in the Collection System Remedial Program during this reporting period and non-compliance is not anticipated during the next reporting period. Table 6 identifies the funds expended during 2017 to meet this requirement.

Table 6. I/I Reduction Activities Summary 2017

Project	Description	% Complete	Contract Amount	Expenditures 2017
15-MH-UF-0001	Manhole Rehabilitation Contract	100%	\$1,500,000.00	\$721,520.35
15-MH-UF-0001	Manhole Rehabilitation Contract	36%	\$1,500,000.00	\$534,492.20
16-CP-MS-0010	Annual Cured-In-Place Lining Project	28%	\$1,989,945.00	\$588,604.50
15-PI-MS-0041	Annual Sewer Cleaning & Physical Inspection	100%	\$3,000,000.00	\$2,717,570.39
14-PN-UF-0014	Supplemental Parishwide Sewer Repair and Replacement Project	100%	\$700,000.00	\$531,799.79
17-PN-MS-0016	Supplemental Parishwide Sewer Repair and Replacement Project	42%	\$1,583,625.05	\$773,705.98
16-LP-WC-0009	Annual Parishwide Homeowners Sewage Pump System Installation and Maintenance	72%	\$593,337.50	\$225,513.5
16-LP-WC-0009	Annual Parishwide Homeowners Sewage Pump System Installation and Maintenance	85%	\$593,337.50	\$165,859.50
16-ER-WC-0008	Parishwide Sewer Emergency Repair	100%	\$2,582,287.72	\$1,754,023.81
16-ER-WC-0008	Parishwide Sewer Emergency Repair	27%	\$2,500,000.00	\$845,245.85
17-PN-MS-0015	Annual Repair & Replace	3%	\$1,818,505.00	\$78,173.75
14-PN-UF-0003	Annual Repair & Replacement	100%	1,499,913.00	\$959,477.64
TOTAL			\$19,960,950.77	\$9,895,987.28

2.2 Treatment Facility Assessment

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

Since that time, there have been additional engineering assessments and studies of the WWTPs which resulted in the need for treatment plant improvements at the South WWTP which are now included in the RMAP2 projects presented in the *Second Remedial Measures Action Plan (RMAP2) Submittal for the Baton Rouge Sanitary Sewer Overflow Control and Wastewater Facilities Program* (September 2008) and approved by the *Agreement and Order Regarding the Modification of the Consent Decree - Civil Action No. 01-978-B-M3 (M.D. La.)* signed in April 2009.

The City/Parish typically submits Municipal Water Pollution Prevention (MWPP) Environmental Audit Reports for the North, South, and Central WWTPs once a year to LDEQ. These reports contain an evaluation and rating for influent loadings, plant performance, overflows and bypasses, treatment plant age, sludge disposal, new development in collection system, and operator certification training for the North, South and Central WWTPs. The MWPP audit rates the treatment plants on the aforementioned factors annually starting and are submitted annually the year following the effective date of NPDES permits. The actions that will be taken to maintain compliance and prevent effluent violations are typically presented in MWPP resolutions, which were last submitted along with the audit on January 3, 2018.

2.3 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.

2.4 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.

2.4.1 North WWTP

During 2017, the North WWTP has been in compliance with the 75% interim effluent limits for BOD for 12 months and for TSS for 11 months of the reporting period. The North WWTP met the permit limit of 85% removal for TSS for 2 months and 4 months for BOD, as shown in Table 7a.

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
BOD	80	84	82	87	84	84	84	82	87	85	86	79
TSS	74	82	82	86	81	82	83	86	81	84	82	82

2.4.2 Central WWTP

The Central WWTP had no discharge and the LPDES permit was terminated by LDEQ in July 2017 as shown in Table 7b.

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
BOD	No Discharge	LPDES Permit Terminated by LDEQ	-	-	-	-	-					
TSS	No Discharge	LPDES Permit Terminated by LDEQ										

2.4.3 South WWTP

During 2017, the South WWTP has been in compliance with the 75% interim effluent limits for 12 months of the reporting period for BOD and 11 months for TSS. The South WWTP met the permit limit of 85% removal for TSS for 7 months, and BOD for 8 months, as shown in Table 7c.

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
BOD	86	80	79	84	82	89	90	88	92	93	94	89
TSS	87	84	87	85	72	84	88	75	90	94	92	79

2.5 Outreach and Public Awareness Program

Consent Decree Section XV - Outreach and Public Awareness Plan requires the City/Parish DES 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, project information (including 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 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 DES 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 Environmental Services, 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, as well as association and neighborhood specific information as appropriate. 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; also, an email account was created to allow residents and other stakeholders to contact the

Program. Additionally, materials including information letters and handouts, door hangers announcing road closures, were developed and are continuing to be distributed.

The Department of Public Works underwent a reorganization and rebranding, which involved rebranding the organization as the Department of Environmental Services (DES) and redefining their services to the community and their focuses. DES has increased their social media and web presence through multiple platforms to quickly disseminate information. DES has also greatly increased their public outreach and community engagement through working with national media outlets, initiating school outreach programs, developing a Fats, Oils, and Grease (FOG) Pretreatment Program, conducting school recycling competitions, establishing guidelines for tours of wastewater treatment plant and recycling facilities, among other activities.

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.

2.6 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.

2.7 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 2016 are presented in Tables 8 and 9.

Table 8. Penalties Assessed and Paid by the City/Parish to Date

Penalties	Assessed	Paid	
		US DOJ	LDEQ
Civil Penalties	\$852,000	\$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 2017 (SSOs and WWTP violations)

Stipulated Penalties	Number	Cost Per Occurrence	Amount Accrued
Unauthorized Discharges 2017			
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	0	\$5,000	\$0
1 MG or more	0	\$5,000	\$0
Non-Compliant Discharges (WWTP) 2017			
Weekly Average Limits	16	\$1,000	\$16,000
Monthly (30-day average) Limits	12	\$2,500	\$30,000
2017 Total Stipulated Penalties (through December 31, 2017)			\$76,000

Note: None of these self-reported stipulated penalties in this table have been assessed to the City/Parish by the DOJ/EPA/LDEQ or have been paid by the City/Parish at this time. Historical data utilized in this table was taken from the City/Parish Quarterly EPA Reports. In some instances where Preventative Maintenance Plan goals were not achieved in a given quarter, but the cumulative annual goals were exceeded, it was assumed that no penalties should be assessed for unauthorized discharges that occurred during that given quarter.

2017 Annual Report Attachment A-
2017 Force Majeure Events and Updates



CERTIFIED- RETURN RECEIPT REQUESTED

DATE: January 4, 2017

TO: Mr. Michael T. Donnellan
U.S. Department of Justice
PO Box 7611
Washington, DC 20044

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

Dr. Chuck Carr Brown
Louisiana Department of Environmental Quality
602 N. Fifth Street
Baton Rouge, LA 70802

FROM: Adam Smith, PE, Interim Environmental Services Director
Department of Environmental Services, City of Baton Rouge and Parish
of East Baton Rouge

SUBJECT: City of Baton Rouge and Parish of East Baton Rouge
Consent Decree-Civil Action No. 01-978-B-M3
Update of Force Majeure Event – 2016 August 11 Flood Event

Ladies and Gentlemen:

In conformance with the Force Majeure provision included in Section XXII – Force Majeure of the Consent Decree, this letter will serve as an update to 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 beginning August 11, 2016.

Rain events beginning August 11, 2016 and continuing through August 14, 2016 resulted in excessive flooding in East Baton Rouge Parish, as well as surrounding parishes such as Livingston Parish and Ascension Parish. The river stages of the Amite and Comite Rivers exceeded the 1983 flood event resulting in loss of life and property. Although originally estimated to have been over 40,000 residents in the greater Baton Rouge area directly impacted by this rain event, the estimate has now increased to over 284,000. Many individuals that work in East Baton Rouge Parish, including State and City-Parish employees, construction contractors, and employees of inspection firms have been impacted and had difficulty returning to work. The average rainfall for the area over the four day rain event was 11 inches. Zachary, located in East Baton Rouge Parish, had just over 26 inches of rainfall. This event has been identified as a 1,000 year rain.

On Friday, August 12, 2016 Governor John Bel Edwards declared a state of emergency for the entire state of Louisiana. This was followed on August 14, 2016, by President Obama signing the Louisiana Disaster Declaration, which declared a major disaster for the State of Louisiana. On September 23, 2016, Dr. Chuck Carr Brown, the secretary of the Louisiana Department of Environmental Quality signed a Second Amended Declaration of Emergency and Administrative Order, to expire September 30, 2016.

On September 30, 2016, a Third Amended Declaration of Emergency and Administrative Order was signed by Dr. Chuck Carr Brown, extending the order until November 30, 2016.

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On December 21, 2016, a Fifth Amended Declaration of Emergency and Administrative Order was signed by Dr. Chuck Carr Brown, extending the order until January 31, 2017.

All active construction and design SSO Program projects have been impacted by this event, as staff and contractors were directly impacted by the storm and are working to get back to normal operating status.

The SSO Program will aggressively pursue resumption of construction when it is deemed appropriate to do so and will provide an update upon completion of the Force Majeure event.

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

Sincerely,



Adam Smith, PE
Interim Environmental Services Director



Robert Abbott
Senior Special Parish Attorney

Cc: Honorable Sharon Weston Broome, Mayor-President
William B. Daniel, IV, Chief Administrative Officer
Mr. Ron Curry, US EPA REGION 6 Administrator
Mr. Carlos Zequeira, US EPA (6RC)
Ms. Darlene Whitten-Hill US EPA (6EN)
Mr. Ted Broyles, LDEQ
Mr. Joseph Young, PE, Program Manager, CH2M



CERTIFIED- RETURN RECEIPT REQUESTED

DATE: February 7, 2017

TO: Mr. Michael T. Donnellan
U.S. Department of Justice
601 D. Street NW
Washington, D.C. 20044-7611

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

Dr. Chuck Carr Brown
Louisiana Department of Environmental Quality
602 N. Fifth Street
Baton Rouge, LA 70802

FROM: Adam Smith, PE, Interim Environmental Services Director
Department of Environmental Services, City of Baton Rouge and Parish of East Baton Rouge

SUBJECT: City of Baton Rouge and Parish of East Baton Rouge
Consent Decree-Civil Action No. 01-978-B-M3
Update of Force Majeure Event – 2016 August 11 Flood Event: Sixth Amended Declaration of
Emergency and Administrative Order

Ladies and Gentlemen:

In conformance with the Force Majeure provision included in Section XXII – Force Majeure of the Consent Decree, this letter will serve as an update to 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 beginning August 11, 2016.

Rain events beginning August 11, 2016 and continuing through August 14, 2016 resulted in excessive flooding in East Baton Rouge Parish, as well as surrounding parishes such as Livingston Parish and Ascension Parish. The river stages of the Amite and Comite Rivers exceeded the 1983 flood event resulting in loss of life and property. Although originally estimated to have been over 40,000 residents in the greater Baton Rouge area directly impacted by this rain event, the estimate has now increased to over 284,000. Many individuals that work in East Baton Rouge Parish, including State and City-Parish employees, construction contractors, and employees of inspection firms have been impacted and had difficulty returning to work. The average rainfall for the area over the four day rain event was 11 inches. Zachary, located in East Baton Rouge Parish, had just over 26 inches of rainfall. This event has been identified as a 1,000 year rain.

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All active construction and design SSO Program projects have been impacted by this event, as staff and contractors were directly impacted by the storm and are working to get back to normal operating status.

The SSO Program will aggressively pursue resumption of construction when it is deemed appropriate to do so and will provide an update upon completion of the Force Majeure event.

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

Sincerely,



Adam Smith, PE
Interim Environmental Services Director



Robert Abbott
Senior Special Parish Attorney

Cc: Honorable Sharon Weston Broome, Mayor-President
William B. Daniel, IV, Chief Administrative Officer
Mr. Ron Curry, US EPA REGION 6 Administrator
Mr. Carlos Zequeira, US EPA (6RC)
Ms. Darlene Whitten-Hill US EPA (6EN)
Mr. Ted Broyles, LDEQ
Mr. Joseph Young, PE, Program Manager, CH2M



CERTIFIED- RETURN RECEIPT REQUESTED

DATE: March 31, 2017

TO: Mr. Michael T. Donnellan
U.S. Department of Justice
601 D. Street NW
Washington, D.C. 20044-7611

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

Dr. Chuck Carr Brown
Louisiana Department of Environmental Quality
602 N. Fifth Street
Baton Rouge, LA 70802

FROM: Adam Smith, PE, Interim Environmental Services Director
Department of Environmental Services, City of Baton Rouge and Parish of East Baton Rouge

SUBJECT: City of Baton Rouge and Parish of East Baton Rouge
Consent Decree-Civil Action No. 01-978-B-M3
Update of Force Majeure Event – 2016 August 11 Flood Event: Seventh Amended Declaration of
Emergency and Administrative Order

Ladies and Gentlemen:

In conformance with the Force Majeure provision included in Section XXII – Force Majeure of the Consent Decree, this letter will serve as an update to 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 beginning August 11, 2016.

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

Sincerely,



Adam Smith, PE

Interim Environmental Services Director



Robert Abbott

Senior Special Parish Attorney

Cc: Honorable Sharon Weston Broome, Mayor-President
William B. Daniel, IV, Chief Administrative Officer
Mr. Ron Curry, US EPA REGION 6 Administrator
Mr. Carlos Zequeira, US EPA (6RC)
Ms. Darlene Whitten-Hill US EPA (6EN)
Mr. Ted Broyles, LDEQ
Mr. Joseph Young, PE, Program Manager, CH2M



CERTIFIED- RETURN RECEIPT REQUESTED

DATE: June 1, 2017

TO: Mr. Michael T. Donnellan
U.S. Department of Justice
601 D. Street NW
Washington, D.C. 20044-7611

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

Dr. Chuck Carr Brown
Louisiana Department of Environmental Quality
602 N. Fifth Street
Baton Rouge, LA 70802

FROM: William Daniel, PE, Environmental Services Director
Department of Environmental Services, City of Baton Rouge and Parish of East Baton Rouge

SUBJECT: City of Baton Rouge and Parish of East Baton Rouge
Consent Decree-Civil Action No. 01-978-B-M3
Update of Force Majeure Event – 2016 August 11 Flood Event: Seventh Amended Declaration of
Emergency and Administrative Order

Ladies and Gentlemen:

In conformance with the Force Majeure provision included in Section XXII – Force Majeure of the Consent Decree, this letter will serve as an update to 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 beginning August 11, 2016.

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All active construction and design SSO Program projects have been impacted by this event, as staff and contractors were directly impacted by the storm and are working to get back to normal operating status.

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Sincerely,



William B. Daniel, IV, PE
Environmental Services Director



Robert Abbott
Senior Special Parish Attorney

Cc: Honorable Sharon Weston Broome, Mayor-President
Marsha Hanlon, Interim Finance Director
Samuel Coleman, PE, Acting Regional Administrator (Region 6)
Carlos Zequeira Brinsfield, US EPA (6RC)
Darlene Whitten-Hill US EPA (6EN)
Ted Broyles, LDEQ
Joseph Young, PE, Program Manager, CH2M
Adam Smith, PE, Department of Environmental Services Chief of Operations & Maintenance



CERTIFIED- RETURN RECEIPT REQUESTED

DATE: June 26, 2017

TO: Mr. Michael T. Donnellan
U.S. Department of Justice
601 D. Street NW
Washington, D.C. 20044-7611

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

Dr. Chuck Carr Brown
Louisiana Department of Environmental Quality
602 N. Fifth Street
Baton Rouge, LA 70802

FROM: William Daniel, PE, Environmental Services Director
Department of Environmental Services, City of Baton Rouge and Parish of East Baton Rouge

SUBJECT: City of Baton Rouge and Parish of East Baton Rouge
Consent Decree-Civil Action No. 01-978-B-M3
Force Majeure Event – 2017 Tropical Storm Cindy Event: Declaration of Emergency and
Administrative Order

Ladies and Gentlemen:

In conformance with the Force Majeure provision included in Section XXII – Force Majeure of the Consent Decree, this letter will serve as the formal notification by the City of Baton Rouge and Parish of East Baton Rouge

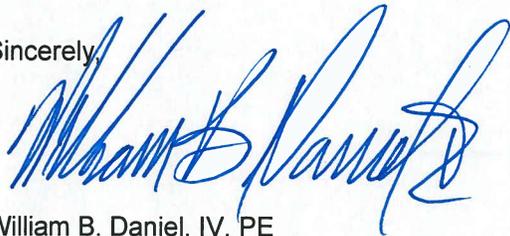
(City/Parish) to the Department of Justice (DOJ), Environmental Protection Agency (EPA), and Louisiana Department of Environmental Quality (LDEQ) that a force majeure event has taken place beginning June 21, 2017.

On June 21, 2017, a low-pressure area in the Gulf of Mexico, Tropical Storm Cindy, impacted Louisiana. John Bel Edwards, by State of Louisiana Proclamation No. 78 JBE 2017 declared that a state of emergency exists statewide on the same day, June 21, 2017. The Declaration of Emergency and Administrative Order shall expire at midnight on the sixtieth day after June 21, 2017, which would be August 20, 2017.

Construction SSO Program projects have been impacted by this event, as weather conditions prevent construction to occur. The SSO Program will aggressively pursue resumption of construction when it is deemed appropriate to do so and will provide an update upon completion of the Force Majeure event.

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Sincerely,



William B. Daniel, IV, PE
Environmental Services Director



Robert Abbott
Senior Special Parish Attorney

Cc: Honorable Sharon Weston Broome, Mayor-President
Marsha Hanlon, Interim Finance Director
Samuel Coleman, PE, Acting Regional Administrator (Region 6)
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Darlene Whitten-Hill US EPA (6EN)
Ted Broyles, LDEQ
Joseph Young, PE, Program Manager, CH2M
Adam Smith, PE, Department of Environmental Services Chief of Operations & Maintenance



CERTIFIED- RETURN RECEIPT REQUESTED

DATE: July 5, 2017

TO: Mr. Michael T. Donnellan
U.S. Department of Justice
601 D. Street NW
Washington, D.C. 20044-7611

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

Dr. Chuck Carr Brown
Louisiana Department of Environmental Quality
602 N. Fifth Street
Baton Rouge, LA 70802

FROM: William Daniel, PE, Environmental Services Director
Department of Environmental Services, City of Baton Rouge and Parish of East Baton Rouge

SUBJECT: City of Baton Rouge and Parish of East Baton Rouge
Consent Decree-Civil Action No. 01-978-B-M3
Update of Force Majeure Event – 2016 August 11 Flood Event: Seventh Amended Declaration of
Emergency and Administrative Order

Ladies and Gentlemen:

In conformance with the Force Majeure provision included in Section XXII – Force Majeure of the Consent Decree, this letter will serve as an update to 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 beginning August 11, 2016.

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On April 26, 2017, an extension of the Seventh Amended Declaration of Emergency and Administrative Order was signed by Dr. Chuck Carr Brown, extending the order through May 31, 2017.

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All active construction and design SSO Program projects have been impacted by this event, as staff and contractors were directly impacted by the storm and are working to get back to normal operating status.

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William B. Daniel, IV, PE
Environmental Services Director



Robert Abbott
Senior Special Parish Attorney

Cc: Honorable Sharon Weston Broome, Mayor-President
Marsha Hanlon, Interim Finance Director
Samuel Coleman, PE, Acting Regional Administrator (Region 6)
Carlos Zequeira Brinsfield, US EPA (6RC)
Darlene Whitten-Hill US EPA (6EN)
Ted Broyles, LDEQ
Joseph Young, PE, Program Manager, CH2M
Adam Smith, PE, Department of Environmental Services Chief of Operations & Maintenance



CERTIFIED- RETURN RECEIPT REQUESTED

DATE: August 1, 2017

TO: Mr. Michael T. Donnellan
U.S. Department of Justice
601 D. Street NW
Washington, D.C. 20044-7611

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

Dr. Chuck Carr Brown
Louisiana Department of Environmental Quality
602 N. Fifth Street
Baton Rouge, LA 70802

FROM: William Daniel, PE, Environmental Services Director
Department of Environmental Services, City of Baton Rouge and Parish of East Baton Rouge

SUBJECT: City of Baton Rouge and Parish of East Baton Rouge
Consent Decree-Civil Action No. 01-978-B-M3
Update of Force Majeure Event – 2016 August 11 Flood Event: Seventh Amended Declaration of
Emergency and Administrative Order

Ladies and Gentlemen:

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On May 25, 2017, a second extension of the Seventh Amended Declaration of Emergency and Administrative Order was signed by Dr. Chuck Carr Brown, extending the order through June 30, 2017.

On June 27, 2017, a third extension of the Seventh Amended Declaration of Emergency and Administrative Order was signed by Dr. Chuck Carr Brown, extending the order through July 30, 2017.

On July 28, 2017, a fourth extension of the Seventh Amended Declaration of Emergency and Administrative Order was signed by Dr. Chuck Carr Brown, extending the order through August 31, 2017.

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Senior Special Parish Attorney

Cc: Honorable Sharon Weston Broome, Mayor-President
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STATE OF LOUISIANA
DEPARTMENT OF ENVIRONMENTAL QUALITY

IN THE MATTER OF
SEVERE WEATHER EVENT
AUGUST 12, 2016

AGENCY INTEREST NO. 202449

FOURTH EXTENSION OF
SEVENTH AMENDED DECLARATION OF EMERGENCY AND
ADMINISTRATIVE ORDER

Pursuant to the authority granted to me by Louisiana Revised Statutes 30:2001 *et seq.*, and particularly La. R.S. 30:2033 and 2011(D)(6), I hereby find that the emergency conditions set forth in the "Seventh Amended Declaration of Emergency and Administrative Order" regarding the severe weather event of August 12, 2016 continue to exist in the Emergency Areas (Parishes of Ascension, East Baton Rouge, and Livingston), and I hereby extend and reissue said declaration of emergency and administrative order, through 11:59 p.m. on August 31, 2017.

DONE AND ORDERED on this 28th day of July, 2017, in Baton Rouge, Louisiana.



Chuck Carr Brown, Ph.D.
Secretary



CERTIFIED- RETURN RECEIPT REQUESTED

DATE: August 31, 2017

TO: Mr. Michael T. Donnellan
U.S. Department of Justice
601 D. Street NW
Washington, D.C. 20044-7611

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

Dr. Chuck Carr Brown
Louisiana Department of Environmental Quality
602 N. Fifth Street
Baton Rouge, LA 70802

FROM: William Daniel, PE, Environmental Services Director
Department of Environmental Services, City of Baton Rouge and Parish of East Baton Rouge

SUBJECT: City of Baton Rouge and Parish of East Baton Rouge
Consent Decree-Civil Action No. 01-978-B-M3
Update of Force Majeure Event – 2016 August 11 Flood Event: Seventh Amended Declaration of
Emergency and Administrative Order

Ladies and Gentlemen:

In conformance with the Force Majeure provision included in Section XXII – Force Majeure of the Consent Decree, this letter will serve as an update to 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 beginning August 11, 2016.

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On Friday, August 12, 2016 Governor John Bel Edwards declared a state of emergency for the entire state of Louisiana. This was followed on August 14, 2016, by President Obama signing the Louisiana Disaster Declaration, which declared a major disaster for the State of Louisiana. On September 23, 2016, Dr. Chuck Carr Brown, the secretary of the Louisiana Department of Environmental Quality signed a Second Amended Declaration of Emergency and Administrative Order, to expire September 30, 2016.

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The SSO Program will aggressively pursue resumption of construction when it is deemed appropriate to do so and will provide an update upon completion of the Force Majeure event.

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

Sincerely,



William B. Daniel, IV, PE
Environmental Services Director



Robert Abbott
Senior Special Parish Attorney

Cc: Honorable Sharon Weston Broome, Mayor-President
Marsha Hanlon, Interim Finance Director
Samuel Coleman, PE, Acting Regional Administrator (Region 6)

Carlos Zequeira Brinsfield, US EPA (6RC)

Darlene Whitten-Hill US EPA (6EN)

Ted Broyles, LDEQ

Joseph Young, PE, Program Manager, CH2M

Adam Smith, PE, Department of Environmental Services Chief of Operations & Maintenance



CERTIFIED- RETURN RECEIPT REQUESTED

DATE: October 2, 2017

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Sincerely,



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Robert Abbott
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2017 Annual Report Attachment B-
Municipal Water Pollution Prevention
Environmental Audit Reports



January 3, 2018

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, 2016 to March 31, 2017.

If you have any questions concerning this matter, please contact Mr. Michael Lowe of my staff at (225) 389-3240.

Sincerely yours,

Adam M. Smith, P.E.,
Interim Director of Environmental Services

AMS/MFL/pas

cc: Lea Anne Batson, Parish Attorney
Justin Sharper, P.E., Engineering Manager
Michael F. Lowe, WW Laboratory Supervisor

Enclosure(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:

50 Woodpecker Avenue

Baton Rouge, LA

Parish:

East Baton Rouge

(Person Completing Form) Name:

Cynthia Thomas

Title:

Asst. Wastewater Laboratory Supervisor

Date Completed:

June 13, 2017

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 BOD5 Concentration (mg/l)	Column 3 Average Monthly BOD5 Loading (pounds per day, lb/day)
17.68	131	19,316
18.52	147	22,705
18.01	142	21,329
16.15	167	22,493
33.97	113	32,014
15.10	166	20,905
10.11	187	15,767
11.37	238	22,568
20.76	149	25,798
26.02	136	29,513
14.24	182	21,615
18.07	144	21,701

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.

<i>Design Flow, MGD:</i>	54	x 0.90 =	48.60
<i>Design BOD, lb/day:</i>	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.

<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	5	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 #:

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	24	20
MAY	20	19
JUNE	19	13
JULY	22	13
AUGUST	17	15
SEPTEMBER	17	12
OCTOBER	19	12
NOVEMBER	28	20
DECEMBER	27	24
JANUARY	27	26
FEBRUARY	30	20
MARCH	26	22

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

	Permit Limit		90% of Permit Limit
BOD, mg/l	30	$\times 0.90 =$	27
TSS, mg/l	30	$\times 0.90 =$	27

Permit #:

LA0036439

C. Continuous Discharge to Surface Water.

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

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

Write 0, 10, 20, 30 or 40 in the i point total box 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 #:

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:

pH	
8-14-16 = 5.97 s.u.	
	Fecal Coliform
	08/23-29/2016 = 1,670 col./100mL
	02/21-27/2017 = 621 col./100mL

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

✓ Check one box.

Yes

No

If Yes, Please describe:

--

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

✓ Check one box.

Yes

No

If Yes, Please describe:

* See Attachment page 1 & 2

D. Other Monitoring and Limitations
 iii.

NWWWTP - LA0036439 (*Influent*)*

Sample Date	Pollutant	Reporting Value	Actual Value
04/18-19/2016	Total Phenols	0.005 mg/L	0.044 mg/L
	Copper	3 µg/L	5 µg/L
	Zinc	20 µg/L	43 µg/L
	Phenol	5.0 µg/L	8.1 µg/L
	Acenaphthene	0.20µg/L	1.1 µg/L
	Anthracene	0.20µg/L	0.30 µg/L
	bis(2-Ethylhexyl) phthalate	5 µg/L	12 µg/L
	Fluoranthene	0.20 µg/L	0.31 µg/L
	Fluorene	0.20 µg/L	0.59 µg/L
	Naphthalene	0.20 µg/L	0.75 µg/L
	Phenanthrene	0.20 µg/L	1.3 µg/L
Pyrene	0.20 µg/L	0.21 µg/L	

*1/6 months

NWWWTP - LA0036439 (*Effluent*)*

Sample Date	Pollutant	Reporting Value	Actual Value
04/19-20/2016	Barium	10 µg/L	35 µg/L
	Zinc	20 µg/L	29 µg/L
	Mercury	0.50 ng/L	4.6 ng/L
	Phenols	0.0050 mg/L	0.016 mg/L
	Acenaphthene	0.21 µg/L	0.24 µg/L
	Fluorene	0.21 µg/L	0.22 µg/L
	Naphthalene	0.21 µg/L	0.29 µg/L
	N-Nitrosodiphenylamine	5.2 µg/L	6.5 µg/L
	Phenanthrene	0.21 µg/L	0.28 µg/L
	Pyrene	0.21 µg/L	0.23 µg/L

*1/6 months

D. Other Monitoring and Limitations
 iii.

NWWTP - LA0036439 (*Influent*)*

Sample Date	Pollutant	Reporting Value	Actual Value
04/18-19/2016	Total Phenols	0.005 mg/L	0.044 mg/L
	Copper	3 µg/L	5 µg/L
	Zinc	20 µg/L	43 µg/L
	Phenol	5.0 µg/L	8.1 µg/L
	Acenaphthene	0.20µg/L	1.1 µg/L
	Anthracene	0.20µg/L	0.30 µg/L
	bis(2-Ethylhexyl) phthalate	5 µg/L	12 µg/L
	Fluoranthene	0.20 µg/L	0.31 µg/L
	Fluorene	0.20 µg/L	0.59 µg/L
	Naphthalene	0.20 µg/L	0.75 µg/L
	Phenanthrene	0.20 µg/L	1.3 µg/L
	Pyrene	0.20 µg/L	0.21 µg/L

*1/6 months

NWWTP - LA0036439 (*Effluent*)*

Sample Date	Pollutant	Reporting Value	Actual Value
04/19-20/2016	Barium	10 µg/L	35 µg/L
	Zinc	20 µg/L	29 µg/L
	Mercury	0.50 ng/L	4.6 ng/L
	Phenols	0.0050 mg/L	0.016 mg/L
	Acenaphthene	0.21 µg/L	0.24 µg/L
	Fluorene	0.21 µg/L	0.22 µg/L
	Naphthalene	0.21 µg/L	0.29 µg/L
	N-Nitrosodiphenylamine	5.2 µg/L	6.5 µg/L
	Phenanthrene	0.21 µg/L	0.28 µg/L
	Pyrene	0.21 µg/L	0.23 µg/L

*1/6 months

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?

Current Year	-	Answer to A	=	Age in years
2017		1998		19

Enter Age in Part C below.

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

- FACTOR:**
- Mechanical Treatment Plant (trickling filter) activated sludge, etc...) **2.5**
 - Specify Type: _____
 - ____ Aerated Lagoon **2.0**
 - ____ Stabilization Pond **1.5**
 - ____ Other **1.0**
 - Specify Type: _____

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.

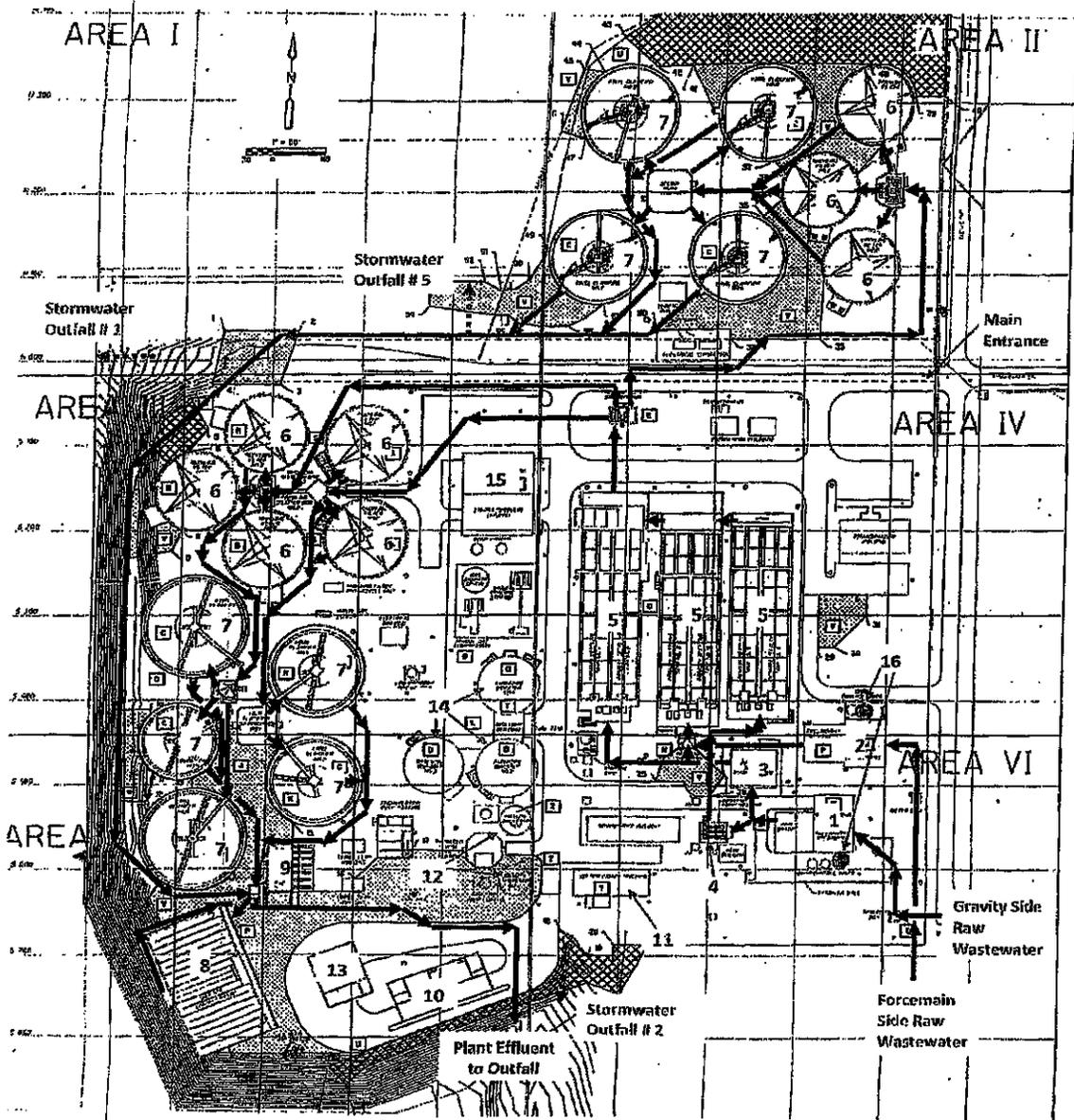
TOTAL POINT VALUE FOR PART 3 =

$$\frac{2.5}{\text{Factor}} \times \frac{19}{\text{Age}} = \boxed{47.5} \text{ (max = 50)}$$

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

D. Please attach a schematic of the treatment plant.

* See Attachment



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

- Wastewater Flow Path
- Stormwater Flow

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:

- 54 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: 52 Treatment Plant: 2

B.

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

- 252 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: 246 Treatment Plant: 6

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

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

TOTAL POINT VALUE FOR PART 4:

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:

Michael Lowe, Wastewater Laboratory Supervisor

Describe the procedure for gathering, compiling and reporting:

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

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PART 5. 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
<i>points</i>	50	30	20	10
				<input checked="" type="radio"/> 6
				<input type="radio"/> 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
<i>points</i>	50	30	20	10
				<input checked="" type="radio"/> >36
				<input type="radio"/> 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.

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PART 6: NEW DEVELOPMENT

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

Design Population: 0

Design Flow: 0.01 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.

10

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PART 7. OPERATOR CERTIFICATION AND EDUCATION

- A. What was the name of the operator-in-charge for the reporting year?
Name: Calvin Hayes
- B. What is his or her certification number:
Cert #: 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 #:

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.

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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 |

LA MWPP Environmental Audit Part 9:

Subjective Evaluation

A1. The City-Parish has continued an aggressive physical inspection and preventative maintenance program on the sewer system. Currently, the C-P is on an approximate 8-year rotation for the physical inspection of the collection system, which includes, pipeline cleaning, televising, and smoke testing, and manhole inspection. Additionally, the C-P has implemented a grease and root treatment for areas subject to dense tree canopy and high-impact fats, oils, and grease (FOG) contributors. Detailed data is available in table below.

North Treatment Area

Monitoring Period (2016 - 2nd qtr. thru 2017 – 1st qtr.)

Lines Cleaned, ft	237,533
CCTV Inspected, ft	246,627
Smoke Tested, ft	80,532
Locations Dye Tested	0
Manholes Inspected	444
Lines Repaired	97
Manholes Rehabilitated	1,204
Force Mains - Inspected	153
Force Mains - Repaired	10
Air Release Valves-Inspected	762
Air Release Valves-Repaired	291

Additionally, the City-Parish maintains multiple annual contracts to complete point repairs, emergency point repairs, cured-in-place pipe lining and remove and replace for existing pipelines.

A2. The City-Parish maintains a routine pump station preventative maintenance and reactive maintenance program. The pump station staff is responsible for visits to pump stations for general observations and preventative maintenance and completing repairs to pump stations, identified through site visits, SCADA, and/or public notification. A summary of the activities is included in the table below.

North Treatment Area

Monitoring Period (2016 - 2nd qtr. thru 2017 – 1st qtr.)

Wet Wells Cleaned	311
Pump Stations-Repaired	63

A3. The City-Parish is completing a \$1.2 billion capital improvements program to improve conveyance, pumping, and treatment capacities and rehabilitate existing system assets. The projects under this program will be completed by December, 2018.

As the major CIP is coming to a close, the City-Parish continues planning, engineering, and construction efforts to continually improve system operation and efficiency. This includes routine collection system rehabilitation through the point repairs, cured-in-place pipe lining, and remove and replace of existing damaged pipelines. Additionally, multiple projects are ongoing to rehabilitation or replace approximately 10 pump stations and completion of the lining of critical large diameter gravity pipeline infrastructure.

The City-Parish will begin the prioritizing and planning of a 5 year CIP in the 1st quarter of 2018 to address infrastructure not addressed in other capital projects.

North Treatment Area

2016 - 2017 Annual Audit Quarterly Totals

	2nd Qtr 2016	3rd Qtr 2016	4th Qtr 2016	1st Qtr 2017	La MWPP Audit Totals
Lines Cleaned, ft	42,305	7,165	120,750	67,313	237,533
CCTV Inspected, ft	43,165	12,803	120,750	69,909	246,627
Smoke Tested, ft	15,291	5,554	55,505	4,182	80,532
Locations Dye Tested	-	-	-	-	-
Manholes Inspected	89	-	308	47	444
Lines Repaired	22	12	32	31	97
Manholes Rehabilitated	88	299	499	318	1,204
Force Mains - Inspected	38	43,60	34	37.20	152.80
Force Mains - Repaired	-	9	-	1	10
Air Release Valves-Inspected	189	218	169	186	762
Air Release Valves-Repaired	65	81	74	71	291
Wet Wells Cleaned	114	59	58	80	311
Pump Stations-Repaired	18	14	18	13	63

Permit #:

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C. Treatment Plants

- i. Have the influent and effluent flow meters been calibrated in the last year?
 Yes No (✓ Check one box.)

*See Below

Influent flow meter calibration date(s)

Effluent flow meter calibration date(s)

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

N/A

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

✓ Check one box.

Yes

No

If Yes, Please describe:

The facility is under construction and will remain under construction for at least the next year and a half.

*Gravity Influent

9-8-2016

3-6-2017

*Forcemain Influent

4-7-2016

10-7-2016

*Final Effluent

7-13-2016

11-18-2016

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D. Preventive Maintenance

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

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

Weekly, monthly and semi-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>	47.5	50 points
Part 4: <i>Overflows and Bypasses</i>	100	100 points
Part 5: <i>Ultimate Disposition of Sludge</i>	0	100 points
Part 6: <i>New Development</i>	0	30 points
Part 7: <i>Operator Certification Training</i>	0	100 points

TOTAL POINTS:

157.5

ATTACHMENT 3

SAMPLE MWPP RESOLUTION

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

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

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

- a. Currently, we are operating under a consent decree which became effective March 14, 2002.
 - b.
 - c.
 - d.
- etc..

Passed by a majority/unanimous (circle one) vote of the Metropolitan Council on 12-13-17 (date).

Ashley Beck
CLERK

ADOPTED
EAST BATON ROUGE SEWAGE
COMMISSION

DEC 13 2017

ADOPTED
METROPOLITAN COUNCIL

17-0165 COUNCIL ADMINISTRATOR TREASURER

RESOLUTION 53298

DEC 13 2017

EBROSCO RESOLUTION 8242 COUNCIL ADMINISTRATOR TREASURER

By Frederic
Introduced: 11-21-17
Tex. 12-13-17

AUTHORIZING THE MAYOR-PRESIDENT AND/OR
EBROSCO TO APPROVE THE SUBMITTAL OF THE
LOUISIANA MUNICIPAL WATER POLLUTION
PREVENTION (MWP) ENVIRONMENTAL AUDIT FOR THE
NORTH TREATMENT PLANT (LA0036439 AI#4843) TO
THE LOUISIANA DEPARTMENT OF ENVIRONMENTAL
QUALITY (LDEQ) FOR THE MONITORING PERIOD OF
APRIL 1, 2016 THROUGH MARCH 31, 2017.

BE IT RESOLVED by the Metropolitan Council of the Parish of
East Baton Rouge and City of Baton Rouge and by the Board of
Commissioners of the East Baton Rouge Sewerage Commission
(EBROSCO), acting as the Authority for EBROSCO, that:

Section 1. The Mayor-President, on behalf of the City of
Baton Rouge and Parish of East Baton Rouge, and/or the East Baton
Rouge Sewerage Commission, represented by President of said
Commission, are hereby authorized to approve the submittal of the
Louisiana Municipal Water Pollution Prevention (MWP)
Environmental Audit for the North Treatment Plant (LA0036439
AI#4843) to the Louisiana Department of Environmental Quality
(LDEQ) for the monitoring period of April 1, 2016 through March
31, 2017.

Section 2. Said agreement shall be approved by the Office
of the Parish Attorney as to form and legality.



January 3, 2018

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, 2016 to March 31, 2017.

If you have any questions concerning this matter, please contact Mr. Michael Lowe of my staff at (225) 389-3240.

Sincerely yours,

Adam M. Smith, P.E.,
Interim Director of Environmental Services

AMS/MFL/pas

cc: Lea Anne Batson, Parish Attorney
Justin Sharper, P.E., Engineering Manager
Michael F. Lowe, WW Laboratory Supervisor

Enclosure(s):

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:

Cynthia Thomas

Title:

Asst. Wastewater Laboratory Supervisor

Date Completed:

June 13, 2017

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

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

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:

* pH	
12.21s.u.	June 10, 2016
9.70s.u.	June 11, 2016
9.59s.u.	June 12, 2016

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:

* See Attachment

D. Other Monitoring and Limitations
 iii.

Central Treatment Plant - LA0036421 (*Influent*)*

Sample Date	Pollutant	Reporting Value	Actual Value
04/18-19/2016	Total Phenols	0.005 mg/L	0.0073 mg/L
	Lead	5.0 µg/L	11 µg/L
	Zinc	20 µg/L	59 µg/L
	Bis(2-Ethylhexyl) phthalate	5.0 µg/L	7.3 µg/L
*1/6 months	Dieldrin	0.0050 µg/L	0.012 µg/L

Central Treatment Plant - LA0036421 (*Effluent*)*

Sample Date	Pollutant	Reporting Value	Actual Value
04/19-20/2016	Nitrate-N	0.05 mg/L	13.8 mg/L
	Barium	10 µg/L	37 µg/L
	Mercury	0.50 ng/L	3.9 ng/L
*1/6 months			

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?

1998

Current Year - Answer to A = Age in years

2017

1998

19

Enter Age in Part C below.

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

FACTOR:

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 =

$$\frac{2.5}{\text{Factor}} \times \frac{19}{\text{Age}} = \boxed{47.5} \text{ (max = 50)}$$

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

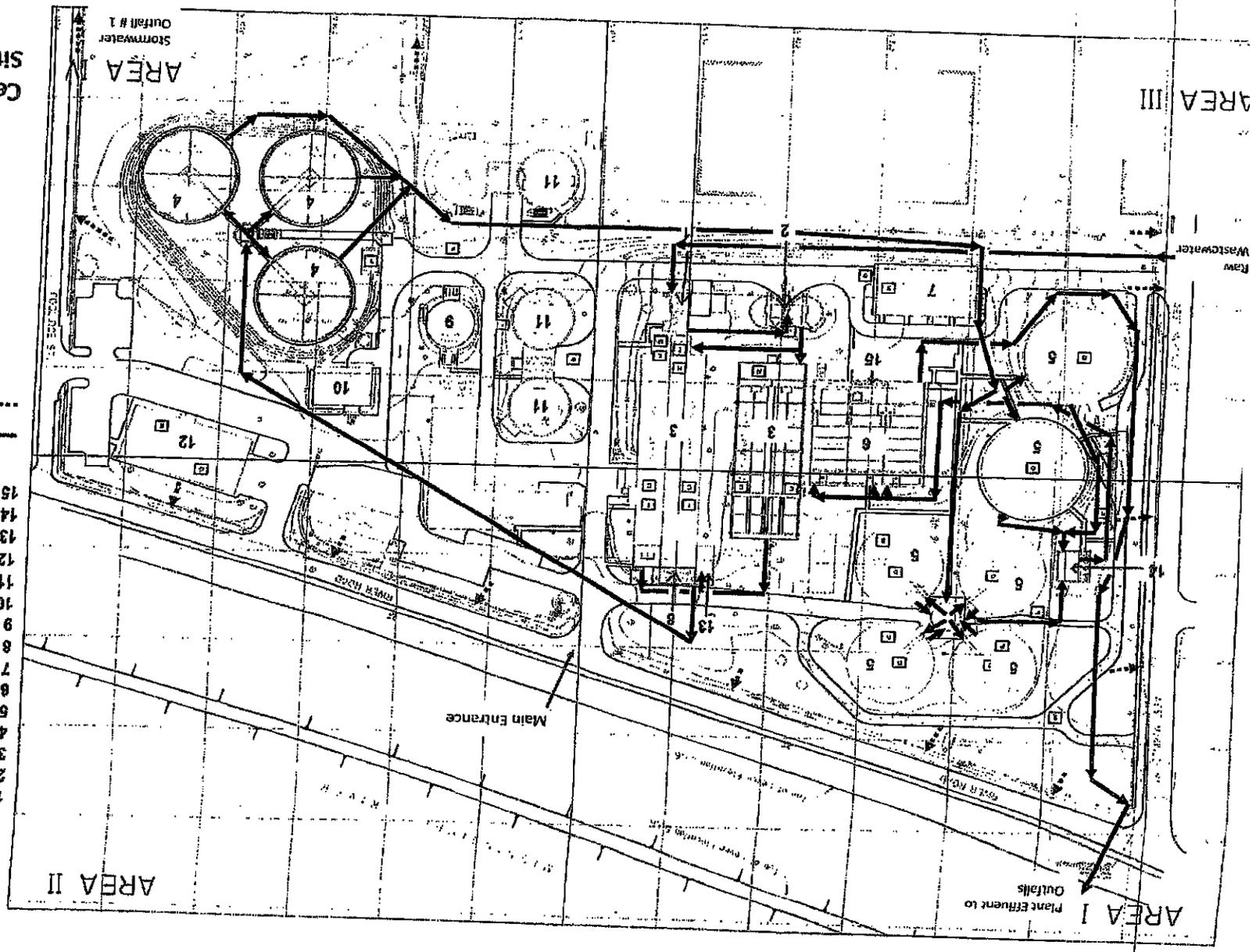
D. Please attach a schematic of the treatment plant.

* See Attachment

Central WWTP
Site Diagram

Wastewater Flow Path
Stormwater Flow

- 1 - Bar Screens
- 2 - Grit Chambers
- 3 - Primary Clarifiers
- 4 - Trickling Filters
- 5 - Final Clarifiers
- 6 - Chlorine Contact Basin
- 7 - Chlorine Bulking
- 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



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:

- 9 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: 9 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:

- 47 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: 45 Treatment Plant: 2

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

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

TOTAL POINT VALUE FOR PART 4: (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:

Michael Lowe, 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	<input checked="" type="radio"/> >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	<input checked="" type="radio"/> >36
<i>points</i>	50	30	20	10	0

Write 0, 10, 20, 30 or 50 in the B point total box

B Point Total

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

TOTAL POINT VALUE FOR PART 5:

(max = 100)

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

Permit #:

LA0036421

PART 6: NEW DEVELOPMENT

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

Design Population: 0
Design Flow: 0 MGD
Design BOD: 200 mg/l

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

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?

Yes = 15 points No = 0 points

If Yes, Please describe:

List any new pollutants you anticipate: _____

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

TOTAL POINT VALUE FOR PART 6:

0 (max = 30)

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

Permit #:

LA0036421

PART 7. OPERATOR CERTIFICATION AND EDUCATION

- A. What was the name of the operator-in-charge for the reporting year?
Name: Clay Vanveckhoven
- B. What is his or her certification number?
Cert. #: 7639
- C. What level of certification is the operator-in-charge required to have to operate the wastewater treatment facility?
Level Required: Wastewater Treatment IV
- D. What is the level of certification of the operator-in-charge?
Level Certified: Wastewater Treatment IV
- E. Was the operator-in-charge of the report year certified at least at the grade level required in order to operate this plant?
✓ Check one box. Yes = 0 points No = 50 points
Write 0 or 50 in the E point total box 0 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 0 G Point Total
- H. Is there a written policy regarding continuing education an training for wastewater treatment plant employees?
✓ Check one box. Yes No
Explain: 16 hours of continuing education within a two year period.
- I. What percentage of the continuing education expenses of the operator-in-charge were paid for:
By the permittee? 100% *By the operator?* 0%
- J. Add together the E and G point values and place the sum in the box below at the right.

TOTAL POINT VALUE FOR PART 7:

(max = 100)

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

Permit #:

LA0036421

PART 8. FINANCIAL STATUS

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

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

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

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

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

Permit #:

LA0036421

PART 9 SUBJECTIVE EVALUATION

A. Collection System Maintenance

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

See Attached

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

See Attached

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

See Attached

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

✓ Check one box.

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

LA0036421 CENTRAL WASTEWATER PLANT

LA MWPP Environmental Audit Part 9:

Subjective Evaluation

A1. The City-Parish has continued an aggressive physical inspection and preventative maintenance program on the sewer system. Currently, the C-P is on an approximate 8-year rotation for the physical inspection of the collection system, which includes, pipeline cleaning, televising, and smoke testing, and manhole inspection. Additionally, the C-P has implemented a grease and root treatment for areas subject to dense tree canopy and high-impact fats, oils, and grease (FOG) contributors. Detailed data is available in table below.

Central Treatment Area

Monitoring Period (2016 - 2nd qtr. thru 2017 – 1st qtr.)

Lines Cleaned, ft	33,151
CCTV Inspected, ft	38,433
Smoke Tested, ft	9,250
Locations Dye Tested	0
Manholes Inspected	43
Lines Repaired	901
Manholes Rehabilitated	26
Force Mains - Inspected	25.6
Force Mains - Repaired	1
Air Release Valves-Inspected	126
Air Release Valves-Repaired	59

Additionally, the City-Parish maintains multiple annual contracts to complete point repairs, emergency point repairs, cured-in-place pipe lining and remove and replace for existing pipelines.

A2. The City-Parish maintains a routine pump station preventative maintenance and reactive maintenance program. The pump station staff is responsible for visits to pump stations for general observations and preventative maintenance and completing repairs to pump stations, identified through site visits, SCADA, and/or public notification. A summary of the activities is included in the table below.

Central Treatment Area

Monitoring Period (2016 - 2nd qtr. thru 2017 – 1st qtr.)

Wet Wells Cleaned	18
Pump Stations-Repaired	4

A3. The City-Parish is completing a \$1.2 billion capital improvements program to improve conveyance, pumping, and treatment capacities and rehabilitate existing system assets. The projects under this program will be completed by December, 2018.

As the major CIP is coming to a close, the City-Parish continues planning, engineering, and construction efforts to continually improve system operation and efficiency. This includes routine collection system rehabilitation through the point repairs, cured-in-place pipe lining, and remove and replace of existing damaged pipelines. Additionally, multiple projects are ongoing to rehabilitation or replace approximately 10 pump stations and completion of the lining of critical large diameter gravity pipeline infrastructure.

The City-Parish will begin the prioritizing and planning of a 5 year CIP in the 1st quarter of 2018 to address infrastructure not addressed in other capital projects.

Central Treatment Area

2016 - 2017 Annual Audit Quarterly Totals

	2nd Qtr 2016	3rd Qtr 2016	4th Qtr 2016	1st Qtr 2017	La MWPP Audit Totals
Lines Cleaned, ft	11,103	4,880	2,878	14,290	33,151
CCTV Inspected, ft	12,632	8,273	3,598	13,930	38,433
Smoke Tested, ft	330	7,879	-	1,041	9,250
Locations Dye Tested	-	-	-	-	-
Manholes Inspected	37	3	-	3	43
Lines Repaired	91	684	72	54	901
Manholes Rehabilitated	3	5	18	-	26
Force Mains - Inspected	8,40	7,20	10	-	25.60
Force Mains - Repaired	-	-	-	1	1
Air Release Valves-Inspected	42	36	48	-	126
Air Release Valves-Repaired	22	14	23	-	59
Wet Wells Cleaned	15	1	-	2	18
Pump Stations-Repaired	4	-	-	-	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.)

03-02-2016

Influent flow meter calibration date(s)

03-02-2016

Effluent flow meter calibration date(s)

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

N/A

Incoming flow was shut off in early July 2016.

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

✓ Check one box. Yes No

If Yes, Please describe:

Permit #:

LA0036421

D. Preventive Maintenance

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

✓ Check one box. Yes No

If Yes, Please describe:

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

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

Yes No

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

Yes No

E. Sewer Use Ordinance

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

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

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

- ii. Has it been necessary to enforce?

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

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

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

NO

Permit #:

LA0036421

POINT CALCULATION TABLE

	Actual Values	Maximum
Part 1: <i>Influent Flow/Loadings</i>	0	80 points
Part 2: <i>Effluent Quality / Plant Performance</i>	10	100 points
Part 3: <i>Age of WWTF</i>	47.5	50 points
Part 4: <i>Overflows and Bypasses</i>	100	100 points
Part 5: <i>Ultimate Disposition of Sludge</i>	0	100 points
Part 6: <i>New Development</i>	0	30 points
Part 7: <i>Operator Certification Training</i>	0	100 points

TOTAL POINTS:

157.5

ATTACHMENT 3

SAMPLE MWPP RESOLUTION

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

1. Resolved the Municipal Water Pollution Prevention Environmental Audit Report which is attached to this resolution.
2. Set forth the following actions necessary to maintain permit requirements contained in the Louisiana Pollution Discharge Elimination System (LPDES) permit, number LA0036421 AI # 4842.

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

- a. This plant was shut down and decommissioned on July 7, 2016.
 - b.
 - c.
 - d.
- etc..

Passed by a majority/unanimous (circle one) vote of the Metropolitan Council on 12-13-17 (date).



Ashley Beck
CLERK

ADOPTED
EAST BATON ROUGH SEWAGE
COMMISSION

DEC 13 2017

ADOPTED
METROPOLITAN COUNCIL

DEC 13 2017

17-01 COUNCIL ADMINISTRATOR TREASURER

RESOLUTION *53297* COUNCIL ADMINISTRATOR TREASURER

EBROSCO RESOLUTION 8241

By *Felber S*
Introduced *11-21-17*
No. *12-13-17*

AUTHORIZING THE MAYOR-PRESIDENT AND/OR
EBROSCO TO APPROVE THE SUBMITTAL OF THE
LOUISIANA MUNICIPAL WATER POLLUTION
PREVENTION (MWP) ENVIRONMENTAL AUDIT FOR THE
CENTRAL TREATMENT PLANT (LA0036421 AI#4842) TO
THE LOUISIANA DEPARTMENT OF ENVIRONMENTAL
QUALITY (LDEQ) FOR THE MONITORING PERIOD OF
MARCH 1, 2016 THROUGH FEBRUARY 28, 2017.

BE IT RESOLVED by the Metropolitan Council of the Parish of

East Baton Rouge and City of Baton Rouge and by the Board of
Commissioners of the East Baton Rouge Sewerage Commission
(EBROSCO), acting as the Authority for EBROSCO, that:

Section 1. The Mayor-President, on behalf of the City of
Baton Rouge and Parish of East Baton Rouge, and/or the East Baton
Rouge Sewerage Commission, represented by President of said
Commission, are hereby authorized to approve the submittal of the
Louisiana Municipal Water Pollution Prevention (MWP)
Environmental Audit for the Central Treatment Plant (LA0036421
AI#4842) to the Louisiana Department of Environmental Quality
(LDEQ) for the monitoring period of March 1, 2016 through February
28, 2017.

Section 2. Said agreement shall be approved by the Office
of the Parish Attorney as to form and legality.



January 3, 2018

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, 2016 to March 31, 2017.

If you have any questions concerning this matter, please contact Mr. Michael Lowe of my staff at (225) 389-3240.

Sincerely yours,

Adam M. Smith, P.E.,
Interim Director of Environmental Services

AMS/MFL/pas

cc: Lea Anne Batson, Parish Attorney
Justin Sharper, P.E., Engineering Manager
Michael F. Lowe, WW Laboratory Supervisor

Enclosure(s):

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:

Cynthia Thomas

Title:

Asst. Wastewater Laboratory Supervisor

Date Completed:

June 13, 2017

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)

47.41	x
40.36	x
43.28	x
46.05	x
49.05	x
78.30	x
51.58	x
39.05	x
40.00	x
51.14	x
60.23	x
44.31	x

Column 2
Average Monthly BOD5 Concentration (mg/l)

125	x 8.34 =
134	x 8.34 =
122	x 8.34 =
106	x 8.34 =
129	x 8.34 =
121	x 8.34 =
144	x 8.34 =
166	x 8.34 =
177	x 8.34 =
149	x 8.34 =
142	x 8.34 =
149	x 8.34 =

Column 3
Average Monthly BOD5 Loading (pounds per day, lb/day)

49,425
45,105
44,036
40,710
52,771
79,016
61,946
54,062
59,047
63,550
71,329
55,062

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:

58
100,129

x 0.90 =

52.20
90,116

Design BOD, lb/day:

x 0.90 =

Permit #:

LA0036412

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

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

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

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

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

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

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

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

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

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

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

Write 0, 10, 20, 30, 40 or 50 in the F point total box 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	Column 2
	Average Monthly BOD (mg/l)	Average Monthly TSS (mg/l)
MARCH	19	24
APRIL	18	24
MAY	15	22
JUNE	14	30
JULY	18	56
AUGUST	17	36
SEPTEMBER	16	28
OCTOBER	14	13
NOVEMBER	19	16
DECEMBER	20	18
JANUARY	20	18
FEBRUARY	30	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	$\times 0.90 =$	27
TSS, mg/l	30	$\times 0.90 =$	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.

<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	0	5	5	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 #:

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 Attachment A

- 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:

* See Attachment
page 1 & 2

DATE (SWWTP)	Exceedances
05/31-06/07/2016	TSS 57 mg/L
07/01-31/2016	TSS 56 mg/L
07/01-31/2016	TSS Solids Removal 66%
07/26-08/01/2016	TSS 156 mg/L
08/01-31/2016	TSS 36 mg/L
08/02-08/2016	TRC 1.44 mg/L
08/09-15/2016	TSS 56 mg/L
08/01-31/2016	TRC 0.92 mg/L
09/01-30/2016	TRC 0.54 mg/L
09/06-12/2016	TSS 53 mg/L
01/01-31/2017	Fecal Coliform 696 col./100 ML
01/03-09/2017	Fecal Coliform 1,638 col./100 ML
01/17-23/2017	Fecal Coliform 2,967 col./100 ML
01/24-30/2017	Fecal Coliform 618 col./100 ML
01/31-02/06/2017	Fecal Coliform 443 col./100 ML
02/01-28/2017	Fecal Coliform 252 col./100 ML

D. Other Monitoring and Limitations

iii.

South Treatment Plant - LA0036412 (*Influent*)*

Sample Date	Pollutant	Reporting Value	Actual Value
04/18-19/2016	Phenol	5.1 µg/L	6.3 µg/L
	Acenaphthene	0.20 µg/L	0.69 µg/L
	Bis(2-Ethylhexyl)phthalate	5.1 µg/L	8.6 µg/L
	Naphthalene	0.20 µg/L	0.30 µg/L
	Phenanthrene	0.20 µg/L	0.64 µg/L
	Phenols	0.005 mg/L	0.022 µg/L

*1/6 months

South Treatment Plant - LA0036412 (*Effluent*)*

Sample Date	Pollutant	Reporting Value	Actual Value
04/19-20/2016	Nitrate-N	0.05 mg/L	6.8 mg/L
	Barium	10 µg/L	25 µg/L
	Mercury	0.50 ng/L	0.58 ng/L

*1/6 months

- D. Other Monitoring and Limitations
- iii.

South Treatment Plant - LA0036412 (*Influent*)*

Sample Date	Pollutant	Reporting Value	Actual Value
10/31-11/01/2016	Total Phenols	0.005 mg/L	0.13 mg/L
	Copper	3 µg/L	5 µg/L
	Lead	5.0 µg/L	9 µg/L
	Zinc	20 µg/L	47 µg/L

*1/6 months

South Treatment Plant - LA0036421 (*Effluent*)*

Sample Date	Pollutant	Reporting Value	Actual Value
11/01-02/2016	Nitrate-N	0.05 mg/L	8.3 mg/L
	Barium	10 µg/L	11 µg/L
	Copper	3 µg/L	7 µg/L
	Lead	5.0 µg/L	8 µg/L
	Mercury	0.50 ng/L	4.6 ng/L
	Phenol	5.0 µg/L	5.2 µg/L
	Acenaphthene	0.21 µg/L	0.24 µg/L
	Phenanthrene	0.21 µg/L	0.23 µg/L

*1/6 months

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PART 3. AGE OF THE WASTEWATER TREATMENT FACILITY

- A. What year was the wastewater treatment facility constructed or last major expansion/ improvements completed? 2015

Current Year - Answer to A = Age in years
2017 - 2015 = 2

Enter Age in Part C below.

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

FACTOR:

- 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 =

$$\frac{2.5}{\text{Factor}} \times \frac{2}{\text{Age}} = \boxed{5} \text{ (max = 50)}$$

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

- D. Please attach a schematic of the treatment plant.

* See attachment

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PART 4. OVERFLOWS AND BYPASSES

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

- 81 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: 80 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:

- 687 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: 686 Treatment Plant: 1

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

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

TOTAL POINT VALUE FOR PART 4: (max = 100)
Also enter this value or 100, whichever is less, on the point calculation table on page 16.

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

Michael Lowe, Wastewater Laboratory Supervisor

Describe the procedure for gathering, compiling and reporting:

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

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PART 5. 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
<i>points</i>	50	30	20	10

6
0

Write 0, 10, 20, 30 or 50 in the A point total box

0

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
<i>points</i>	50	30	20	10

>36
0

Write 0, 10, 20, 30 or 50 in the B point total box

0

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:

0

(max = 100)

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

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: 2,584
Design Flow: 331 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)?

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?

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.

10

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PART 7 OPERATOR CERTIFICATION AND EDUCATION

- A. What was the name of the operator-in-charge for the reporting year?
Name: 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 0 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 0 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:

0

(max = 100)

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

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PART 8 FINANCIAL STATUS

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

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

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.

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PART 9. SUBJECTIVE EVALUATION

A. Collection System Maintenance

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

See attached

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

See attached

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

See attached

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

✓ Check one box.

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

LA0036412 SOUTH WASTEWATER PLANT

LA MWPP Environmental Audit Part 9:

Subjective Evaluation

A1. The City-Parish has continued an aggressive physical inspection and preventative maintenance program on the sewer system. Currently, the C-P is on an approximate 8-year rotation for the physical inspection of the collection system, which includes, pipeline cleaning, televising, and smoke testing, and manhole inspection. Additionally, the C-P has implemented a grease and root treatment for areas subject to dense tree canopy and high-impact fats, oils, and grease (FOG) contributors. Detailed data is available in table below.

South Treatment Area

Monitoring Period (2016 - 2nd qtr. thru 2017 – 1st qtr.)

Lines Cleaned, ft	374,964
CCTV Inspected, ft	413,769
Smoke Tested, ft	292,031
Locations Dye Tested	-
Manholes Inspected	1,413
Lines Repaired	706
Manholes Rehabilitated	265
Force Mains - Inspected	92.2
Force Mains - Repaired	145
Air Release Valves-Inspected	468
Air Release Valves-Repaired	197

Additionally, the City-Parish maintains multiple annual contracts to complete point repairs, emergency point repairs, cured-in-place pipe lining and remove and replace for existing pipelines.

A2. The City-Parish maintains a routine pump station preventative maintenance and reactive maintenance program. The pump station staff is responsible for visits to pump stations for general observations and preventative maintenance and completing repairs to pump stations, identified through site visits, SCADA, and/or public notification. A summary of the activities is included in the table below.

South Treatment Area

Monitoring Period (2016 - 2nd qtr. thru 2017 – 1st qtr.)

Wet Wells Cleaned	362
Pump Stations-Repaired	60

A3. The City-Parish is completing a \$1.2 billion capital improvements program to improve conveyance, pumping, and treatment capacities and rehabilitate existing system assets. The projects under this program will be completed by December, 2018.

As the major CIP is coming to a close, the City-Parish continues planning, engineering, and construction efforts to continually improve system operation and efficiency. This includes routine collection system rehabilitation through the point repairs, cured-in-place pipe lining, and remove and replace of existing damaged pipelines. Additionally, multiple projects are ongoing to rehabilitation or replace approximately 10 pump stations and completion of the lining of critical large diameter gravity pipeline infrastructure.

The City-Parish will begin the prioritizing and planning of a 5 Year CIP in the 1st quarter of 2018 to address infrastructure not addressed in other capital projects.

**South Treatment Area
2016 - 2017 Annual Audit Quarterly Totals**

	2nd Qtr 2016	3rd Qtr 2016	4th Qtr 2016	1st Qtr 2017	La MWPP Audit Totals
Lines Cleaned, ft	160,793	87,446	69,209	57,516	374,964
CCTV Inspected, ft	182,457	105,386	69,937	55,989	413,769
Smoke Tested, ft	40,308	97,871	127,611	26,241	292,031
Locations Dye Tested	-	-	-	-	-
Manholes Inspected	581	479	105	248	1,413
Lines Repaired	311	137	138	120	706
Manholes Rehabilitated	95	4	73	93	265
Force Mains - Inspected	32.60	11	22	26.60	92.20
Force Mains - Repaired	5	39	94	7	145
Air Release Valves-Inspected	163	63	109	133	468
Air Release Valves-Repaired	60	27	52	58	197
Wet Wells Cleaned	109	68	59	126	362
Pump Stations-Repaired	15	14	19	12	60

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C. Treatment Plants

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

Yes No (✓ Check one box.)

* 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 permit was modified to include total residual chlorine limits. The plant has increased preventative cleaning of treatment units to reduce the settling of excessive solids.

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

✓ Check one box.

Yes

No

If Yes, Please describe:

* Gravity Influent

* Foremain Effluent

* Final Effluent

7-11-2016

7-11-2016

7-11-2016

2-8-2016

2-8-2016

2-8-2016

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D. Preventive Maintenance

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

✓ Check one box. Yes No

If Yes, Please describe:

Weekly, monthly and semi-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

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POINT CALCULATION TABLE

	Actual Values	Maximum
Part 1: <i>Influent Flow/Loadings</i>	5	80 points
Part 2: <i>Effluent Quality / Plant Performance</i>	35	100 points
Part 3: <i>Age of WWT</i>	5	50 points
Part 4: <i>Overflows and Bypasses</i>	100	100 points
Part 5: <i>Ultimate Disposition of Sludge</i>	0	100 points
Part 6: <i>New Development</i>	0	30 points
Part 7: <i>Operator Certification Training</i>	0	100 points

TOTAL POINTS:

145

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 LA0036412 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. Continue preventative cleaning of treatment units.
- c.
- d.
- etc..

Passed by a majority unanimous (circle one) vote of the

Metropolitan Council

on 12-13-17 (date).

[Signature]

Ashley Beck
CLERK

ADOPTED
EAST BATON ROUGE SEWAGE
COMMISSION

DEC 13 2017

17-01652 COUNCIL ADMINISTRATOR TREASURER

RESOLUTION 532916

COUNCIL ADMINISTRATOR TREASURER

ADOPTED
METROPOLITAN COUNCIL

DEC 13 2017

EBROSCO RESOLUTION 8240

BY Freiberg
Introducer: W-2-17
BY: 12-13-17
AUTHORIZING THE MAYOR-PRESIDENT AND/OR
EBROSCO TO APPROVE THE SUBMITTAL OF THE
LOUISIANA MUNICIPAL WATER POLLUTION
PREVENTION (MWPP) ENVIRONMENTAL AUDIT FOR THE
SOUTH TREATMENT PLANT (LA0036412 AI#4841) TO
THE LOUISIANA DEPARTMENT OF ENVIRONMENTAL
QUALITY (LDEQ) FOR THE MONITORING PERIOD OF
MARCH 1, 2016 THROUGH FEBRUARY 28, 2017.

BE IT RESOLVED by the Metropolitan Council of the Parish of
East Baton Rouge and City of Baton Rouge and by the Board of
Commissioners of the East Baton Rouge Sewerage Commission
(EBROSCO), acting as the Authority for EBROSCO, that:

Section 1. The Mayor-President, on behalf of the City of
Baton Rouge and Parish of East Baton Rouge, and/or the East Baton
Rouge Sewerage Commission, represented by President of said
Commission, are 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 Louisiana Department of Environmental Quality
(LDEQ) for the monitoring period of March 1, 2016 through February
28, 2017.

Section 2. Said agreement shall be approved by the Office
of the Parish Attorney as to form and legality.