



Department of Public Works

City of Baton Rouge
Parish of East Baton Rouge

Post Office Box 1471
Baton Rouge, La 70821

October 23, 2012

CERTIFIED – RETURN RECEIPT REQUESTED

Director,
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
Modified Request for Time Extension/Modification of the Compliance Schedule in the
Approved RMAP2 Submittal - Consent Decree Section XII (Remedial Measures – Collection
System Remedial Program) Paragraph 34-D-iii, and Section XXII (Force Majeure)

Mr. Blevins

At this time, the City of Baton Rouge and Parish of East Baton Rouge (City/Parish) hereby requests a **four (4) year** schedule extension and corresponding modification of the approved Second Remedial Measures Action Plan compliance schedule submitted by the City/Parish in September 2008 [report titled - *Second Remedial Measures Action Plan (RMAP2) Submittal for the Baton Rouge Sanitary Sewer Overflow Control and Wastewater Facilities Program*] which was adopted in the *Agreement and Order Regarding the Modification of Consent Decree* (April 2009) by the Department of Justice (DOJ), United States Environmental Protection Agency (EPA), and Louisiana Department of Environmental Quality (LDEQ). This formal modified request is based on meetings and discussions with DOJ, EPA, LDEQ, and third parties during the past year; the most recent of which took place on July 24, 2012.

The City/Parish is now requesting an additional one (1) year, to the previously requested three (3) year extension schedule (submitted July 1, 2011), for a total extension request at this time of **four (4) years**. This modified request comes after one (1) year of its original submission, and is due largely to the delays with court approval, third party lawsuits, and interventions with the original extension request. These significant delays with the original extension approval created a circumstance where the City/Parish couldn't start the NWWTP projects as soon as expected, and as such has pushed other 3rd milestone projects out for up to a year.

The extension request, and corresponding modified compliance schedule, will extend the final compliance date to **December 31, 2018**. This extended compliance date falls within the 10 - 15 year implementation period for RMAP2 completion for a medium burden utility. Note that this request for extension will not change the objectives stated in Section V of the Consent Decree, or the scope of projects originally adopted by the *Agreement and Order Regarding the Modification of Consent Decree* (April 2009) that are described in the *Second Remedial Measures Action Plan (RMAP2) Submittal for the Baton Rouge Sanitary Sewer Overflow*

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Control and Wastewater Facilities Program (September 2008). All of the original projects will be completed (if not already functionally complete), and only the lower priority projects will have schedules that extend beyond the original deadline.

The City/Parish is proposing compliance schedule project adjustments to defer the lower priority rehabilitation projects and those capacity projects in the upper reaches of the system, while accelerating the additional North Wastewater Treatment Plant (NWWTP) Master Plan projects and NWWTP Public Project. The milestones for the major South Wastewater Treatment Plant projects and critical capacity projects that should most effectively reduce overflows and ensure wastewater treatment plant permit compliance will be maintained.

The City/Parish has put together two attachments listed below, which are included with this submittal for the benefit of DOJ, EPA, and LDEQ to help ensure a timely response to the **four (4) year** extension request. It is the intent of the City/Parish that Attachment 1- Proposed EPA Compliance Schedule takes the place of the previously submitted compliance schedule included in the July 1, 2011 original extension request. Additionally, the rest of the reasoning and justification the City/Parish included behind the original extension request still stands true, especially for issues related to force majeure, and affordability. The City/Parish continues to make significant progress on implementation of RMAP2 projects, and as of September 30, 2012 there are 27 RMAP2 projects functionally completed (ahead of schedule), 32 projects under construction, and 35 projects under design, and the City/Parish is in the peak of construction. The City/Parish wants to restate its commitment to implementing in a timely fashion the additional projects listed in Attachment 2 – Proposed Schedule for Additional Projects, especially those at and surrounding the NWWTP which include over \$100 Million dollars in additional investments in system improvements.

It is very important that the City/Parish get approval of the extension and updated compliance schedules, in order for the schedule adjustments to have the desired benefits. The City/Parish requests a meeting discussing this submission with DOJ, EPA, and LDEQ as soon as possible, in order to ensure a timely response to this **four (4) year** extension request.

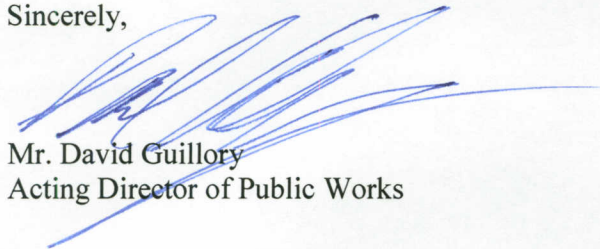
Summary of Attachments

- 1 – Proposed EPA Compliance Schedule
- 2 – Proposed Schedule for Additional Projects

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

Sincerely,



Mr. David Guillory
Acting Director of Public Works

Cc: Honorable Melvin L. "Kip" Holden, Mayor-President
Mr. William B. Daniel, IV, Chief Administrative Officer
Mr. Michael Donnellan, US DOJ
Dr. Al Amendariz, US EPA Region 6 Regional Administrator
Mr. Lawrence Starfield, US EPA Region 6 Deputy Regional Administrator
Mr. John Blevins, US EPA Region 6 Compliance Division Director (CEN)
Ms. Suzanne Murray, US EPA (6RC)
Ms. Cheryl Seager, US EPA (6RC-E)
Ms. Carol Peters-Wagnon, US EPA (6EN-WM)
Ms. Mona Tate, US EPA Region 6
Mr. Carlos Zequeira, US EPA (6RC-EA)
Ms. Gladys Gooden-Jackson, US EPA (6EN-WC)
Mr. Scott McDonald, US EPA Region 6
Mr. Rusty Herbert, US EPA Region 6
Ms. Peggy Hatch, LDEQ
Ms. Cheryl Nolan, LDEQ
Mr. Perry Theriot, LDEQ
Mr. Ted Broyles, LDEQ
Ms. Mary Roper, Parish Attorney
Mr. Bob Abbott, Parish Attorney's Office
Mr. Bryan Harmon, DPW
Mr. Jim Ferguson, DPW
Mr. Mark LeBlanc, DPW
Mr. Michael Ellis, CH2MHILL
Mr. Jim Hawley, CH2M HILL
Ms. Jennifer Baldwin, CH2M HILL
Mr. Gordon Garner, CH2M HILL
Ms. Karen Johnson, CH2M HILL

Attachment 1

Proposed EPA Compliance Schedule as of October 23, 2012

Attachment 1 – Proposed EPA Compliance Schedule

This attachment is proposed to replace the City/Parish’s compliance schedule submitted by the City/Parish in the July 1, 2011 Extension Request and the September 2008 [report titled - *Second Remedial Measures Action Plan (RMAP2) Submittal for the Baton Rouge Sanitary Sewer Overflow Control and Wastewater Facilities Program*] which was adopted in the *Agreement and Order Regarding the Modification of Consent Decree* (April 2009) by DOJ, EPA, and LDEQ. This revised EPA milestone compliance schedule is depicted in Tables 1, 2, and 3. **Note that no projects have been added or deleted to these tables; all of the original projects included in the previously approved RMAP2 will still be completed.** Only the lower priority projects that fall into the last 100% Milestone column will extend beyond the original deadline.

The City/Parish is proposing compliance schedule project adjustments to defer lower priority rehabilitation projects and those capacity projects in the upper/outer reaches of the system, while accelerating the needed additional North Wastewater Treatment Plant Master Plan projects (see [Attachment 2 – Proposed Schedule for Additional Projects](#)), and thereby maintaining the compliance schedules for the major wastewater treatment plant projects and critical capacity projects that should most effectively reduce overflows and ensure wastewater treatment plant permit compliance. Estimated construction costs have been included for those projects that fall into the final 100% Construction Milestone of **4th Quarter 2018**. There is an estimated \$260 Million dollars of RMAP2 construction projects included in that milestone.

Category 1: Comprehensive Sewer Basin Rehabilitation

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

Overall, all of the rehabilitation projects were prioritized by working first in the outer areas of the City/Parish and then moving in. However, at the same time those areas with a greater frequency of SSO’s were started in advance of those areas with less frequency, so in some cases projects were started closer to the WWTP first if they have high frequencies of SSOs. This logic was continued with the first draft of extension schedule, so those projects that were adjusted with the extension will be in areas with a lesser frequency of SSO’s.

Table 1 presents the Category 1 comprehensive rehabilitation projects and anticipated delivery milestone schedules. Note that any pump station improvements are included in the projects listed in Category 2, Pump Station and Transmission Improvements on the following pages.

TABLE 1				
Updated EPA Consent Decree RMAP Milestones for Category 1 Projects				
	33% Construction Milestone	66% Construction Milestone	100% Construction Milestone	Estimated Construction Cost
Milestone Date	1st QTR 2013	2nd QTR 2015	4th QTR 2018	Millions
Construction Status	Construction Functionally Complete	Construction Functionally Complete	Construction Functionally Complete	(M)
Project Descriptions RMAP2 Projects				
Jefferson Hwy – HooShooToo Road	✓			
Staring Lane – Boone Drive Area Rehabilitation Project	✓			
Burbank Drive – Gardere Lane Area Rehabilitation Project	✓			
Oak Villa – Choctaw Street Area Rehabilitation Project	✓			
Scotland Avenue – Progress Road Area Rehabilitation Project	✓			
Elm Grove Garden Road – Harding Boulevard Area Rehabilitation Project	✓			
Sharp Road – Florida Boulevard Area Rehabilitation Project	✓			
Kenilworth Boulevard – Boone Drive Area Rehabilitation Project	✓			
Foster Drive - Government Street Area Rehabilitation Project Phase A and B	✓			
Silverleaf Road – Ford Street Area Rehabilitation Project	✓			
Brookstown Road - Evangeline Street Phase I Area Rehabilitation Project	✓			
Brookstown Road – Evangeline Street Phase II Area Rehabilitation Project	✓			
Bluebonnet Blvd – Jefferson Hwy Phase I Area Rehabilitation Project		✓		
Bluebonnet Blvd – Jefferson Hwy Phase II Area Rehabilitation Project		✓		
Highland Road – Washington Street Area Rehabilitation Project		✓		
Standford Avenue – Morning Glory Road Area Rehabilitation Project	✓			
Airline Highway – Goodwood Blvd Phase I Area Rehabilitation Project		✓		
Airline Highway – Goodwood Blvd Phase II Area Rehabilitation Project		✓		
Acadian Thruway – Claycut Road Area Rehabilitation Project		✓		
Acadian Thruway – Perkins Road Area Rehabilitation Project	✓			

TABLE 1				
Updated EPA Consent Decree RMAP Milestones for Category 1 Projects				
	33% Construction Milestone	66% Construction Milestone	100% Construction Milestone	Estimated Construction Cost
Milestone Date	1st QTR 2013	2nd QTR 2015	4th QTR 2018	Millions
Construction Status	Construction Functionally Complete	Construction Functionally Complete	Construction Functionally Complete	(M)
Antioch Road – Chadsford Drive Area Rehabilitation Project		✓		
Jones Creek Road – Tiger Bend Road Area Rehabilitation Project			✓	\$12 M
Scenic Highway – Spanish Town Road Phase I Area Rehabilitation Project			✓	\$9 M
Scenic Highway – Spanish Town Road Phase II Area Rehabilitation Project			✓	\$9 M
Siegen Lane – Interstate 10 Area Rehabilitation Project			✓	\$6 M
Interstate 110 – Hollywood Street Area Rehabilitation Project			✓	\$6 M
Ardenwood Drive – Winbourne Street Area Rehabilitation Project			✓	\$5 M
Flannery Road – Florida Boulevard Area Rehabilitation Project			✓	\$6 M
East Boulevard – Government Street Area Rehabilitation Project			✓	\$6 M
North 38th Street – Gus Young Avenue Area Rehabilitation Project			✓	\$8 M
*Note that no projects have changed milestone columns since the original extension request dated July 1, 2011. Only the milestone dates have changed.				

Category 2: Pump Station and Transmission Improvements

The Infoworks™ digital wastewater model was used to identify necessary increases in capacity of existing gravity trunk sewers, pump stations, and force mains in order to accommodate peak wastewater flows remaining in the rehabilitated collection system. Table 2 presents a list of Category 2 projects with corresponding milestone schedules.

TABLE 2				
Updated EPA Consent Decree RMAP Milestones for Category 2 Projects				
	33% Construction Milestone	66% Construction Milestone	100% Construction Milestone	Estimated Construction Cost
Milestone Date	1st QTR 2013	2nd QTR 2015	4th QTR 2018	Millions
Construction Status	Construction Functionally Complete	Construction Functionally Complete	Construction Functionally Complete	(M)
Project Descriptions RMAP2 Projects				
Capitol Lake – Gayosa Street Area Capacity Improvements	✓			
Gurney Road - Joor Road	✓			
Sullivan Rd./Lovett Rd./Wax Rd. Sewer Upgrades	✓			
Comite Road – Foster Road Sewer Area Upgrades - Phase I	✓			
Foster Road – Hooper Road Sewer Area Upgrade	✓			
Zachary Area Transmission Network Improvements Phase I - 3 Pump Stations and Equalization Basin		✓		
Zachary Area Transmission Network Improvements Phase II – Red Mud Lakes Forcemain to NWWTP		✓		
Zachary Area Transmission Network Improvements Phase III – Forcemain to Highway 964 to Red Mud Lakes		✓		
Zachary Area Transmission Network Improvements Phase IV – Zachary Improvements		✓		
South Boulevard – St. Joseph Street Sewer Area Upgrades	✓			
Downtown Area Pump Station Improvements		✓		
Highland Road – Buchanan Street Sewer Area Upgrades	✓			
Citiplace/Essen Area - PS119 & Forcemain Improvements	✓			
Group Project 1A (Metro Airport Sewer Upgrades)		✓		
Group Project 1B (Metro Airport Sewer Area Pump Station & Forcemain Upgrades)”.		✓		

TABLE 2				
Updated EPA Consent Decree RMAP Milestones for Category 2 Projects				
	33% Construction Milestone	66% Construction Milestone	100% Construction Milestone	Estimated Construction Cost
Milestone Date	1st QTR 2013	2nd QTR 2015	4th QTR 2018	Millions
Construction Status	Construction Functionally Complete	Construction Functionally Complete	Construction Functionally Complete	(M)
Perkins/Old Perkins Area - Booster PS 514 Improvements		✓		
Group Project 2 (Old Perkins – Highland Road Area Upgrades)	✓			
Highland Road – Burbank Drive Capacity Improvements		✓		
Nicholson Drive – Highland Road – Perkins Road Capacity Improvements Phase A		✓		
Nicholson Drive – Highland Road – Perkins Road Capacity Improvements Phase B		✓		
Bayou Duplantier Area Sewer Upgrades		✓		
25th Street - North Acadian Thruway	✓			
Government St - South Acadian Thruway Sewer Area Upgrades		✓		
Plank Road – Kleinpeter Road Sewer Area Upgrades		✓		
O’Neal Lane Pipeline Improvements – Group A		✓		
O’Neal Lane Pipeline Improvements – Group B		✓		
Multiple PS - Nicholson Dr - Brightside Dr		✓		
Pump Station 58 Capacity Improvements		✓		
Staring Lane FM (Phase I - Burbank Drive to Highland Road)	✓			
Staring Lane FM (Phase II - Highland road to Perkins Road)		✓		
Staring Lane FM (Phase III - Perkins to PS58)		✓		
Multiple PS - Jefferson Hwy - Park Forest Dr		✓		
Airline Highway Pipeline Improvements			✓	\$38 M
Multiple PS - Highland Road - Kenilworth Parkway			✓	\$11 M
Florida Boulevard Pump Station Improvements			✓	\$16 M

TABLE 2				
Updated EPA Consent Decree RMAP Milestones for Category 2 Projects				
	33% Construction Milestone	66% Construction Milestone	100% Construction Milestone	Estimated Construction Cost
Milestone Date	1st QTR 2013	2nd QTR 2015	4th QTR 2018	Millions
Construction Status	Construction Functionally Complete	Construction Functionally Complete	Construction Functionally Complete	(M)
Plank Road Pump Station Improvements			✓	\$9 M
Multiple PS - Highway 61 - Plank Road			✓	\$6 M
O'Neal Lane Pump Station Improvements – Group A			✓	\$13 M
O'Neal Lane Pump Station Improvements – Group B			✓	\$10 M
Sherwood Forest Blvd – Goodwood Blvd Pipeline Improvements			✓	\$12 M
Joor Road - Greenwell Springs Road Sewer Area Upgrades			✓	\$7 M
Plank Road - Port Hudson Pride Road Sewer Area Upgrades			✓	\$4 M
Highland Road Pipeline Improvements - Group A			✓	\$8 M
Highland Road Pipeline Improvements - Group B			✓	\$9 M
Oak Villa Boulevard - Monterey Boulevard Sewer Area Upgrades			✓	\$7 M
Lovett Road – Greenwell Springs Road Sewer Area Upgrades – Group A			✓	\$14 M
Lovett Road – Greenwell Springs Road Sewer Area Upgrades – Group B			✓	\$8 M
Hooper Road Pump Station Improvements			✓	\$12 M
Multiple PS - Prescott Rd - Greenwell Springs Rd			✓	\$5 M
Multiple PS - Burbank Drive - Siegen Lane			✓	\$4 M
Pump Station 42		✓		
Pump Station 42 Forcemain - Phase I		✓		
Pump Station 42 Forcemain - Phase II		✓		
Central Consolidated Pump Stations		✓		
Central Consolidated Forcemains		✓		

TABLE 2				
Updated EPA Consent Decree RMAP Milestones for Category 2 Projects				
	33% Construction Milestone	66% Construction Milestone	100% Construction Milestone	Estimated Construction Cost
Milestone Date	1st QTR 2013	2nd QTR 2015	4th QTR 2018	Millions
Construction Status	Construction Functionally Complete	Construction Functionally Complete	Construction Functionally Complete	(M)
**Note that no projects have changed milestone columns since the original extension request dated July 1, 2011. Only the milestone dates have changed.				

Category 3: Wastewater Treatment and Storage

This category of projects includes wet weather improvements at the City/Parish wastewater treatment plants (WWTP's), as well as storage facilities throughout the service area. The Wastewater Treatment Projects are summarized below:

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

In addition, there are two storage projects included in this category that are sized to reduce peak flows to existing North WWTP which are listed below and depicted as well in Table 3. These storage projects are part of the transmission system which permits storage of wet weather peak flows.

- Choctaw Storage Facility
- Hooper Storage Facility

Table 3 presents a list of Category 3 projects with corresponding milestone schedules. No estimated construction costs are included for this category, since none of these projects are included in the 100% Construction Milestone.

Table 3			
Updated EPA Consent Decree RMAP Milestones for Category 3 Projects			
	33% Construction Milestone	66% Construction Milestone	100% Construction Milestone
Milestone Date	1 st QTR 2013	2 nd QTR 2015	4 th QTR 2018
Construction Status	Construction Functionally Complete	Construction Functionally Complete	Construction Functionally Complete
Project Descriptions RMAP2 Projects			
Choctaw Storage and Pump Station Facility		✓	
Hooper Storage Facility		✓	
South WWTP IAP (Consolidated – Screening, Primary Treatment, Trickling Filter Recirculation, Sludge Handling)	✓		
South WWTP IAP (Effluent Pumping Improvements)	✓		
SWWTP Wet Weather Improvements -Phase I		✓	
SWWTP Wet Weather Improvements - Phase II (PDP portion)		✓	

Table 3			
Updated EPA Consent Decree RMAP Milestones for Category 3 Projects			
	33% Construction Milestone	66% Construction Milestone	100% Construction Milestone
Milestone Date	1 st QTR 2013	2 nd QTR 2015	4 th QTR 2018
Construction Status	Construction Functionally Complete	Construction Functionally Complete	Construction Functionally Complete
*Note that <u>all</u> of these types of projects are of high priority and are expected to stay in the same milestone categories as previously submitted in the original extension request dated July 1, 2011.			

Attachment 2

Proposed Schedule for Additional Projects

Attachment 2 – Proposed Schedule for Additional Projects

This attachment is a listing of the additional projects that the City/Parish has undertaken outside of the Consent Decree. The City/Parish has agreed to implement a number of significant projects that will greatly help improve operation and maintenance of the treatment and collection system beyond the original Consent Decree requirements. These projects include emergency generators at the 400+ pumping stations; and the installation of a state of the art SCADA real time control system to allow the City/Parish to manage wet weather flows to maximize in system storage and treatment to reduce overflows. Other projects that the City/Parish is implementing in addition to the Consent Decree required projects include South Wastewater Treatment Plant (SWWTP) Phase 2 Master Plan Project, the extensive North Wastewater Treatment Plan (NWWTP) Public Project, the extensive NWWTP Master Plan Projects, the NWWTP Odor Control Project, the Choctaw Sewer Collection Maintenance Facility Project, and the Comite Foster Road Phase 2 Project.

Projects Outside of Consent Decree

This category of projects includes several additional projects not required by the Consent Decree Compliance Schedule. Many of these projects will greatly improve the operation and maintenance of the wastewater collection system, WWTP's, and storage facilities. Also note that both the SCADA Project and the Standby Power Program will help optimize the overall operation of the treatment facilities and pump stations, while minimizing risks associated with SSOs. The projects are summarized below:

- **NWWTP Master Plan Projects** – Based on the *Draft Wastewater Master Plan* (CH2M HILL, 2008) and recent plant inspections, the following items were identified to be addressed at the NWWTP:
 - New raw sewage pumping station
 - New preliminary treatment
 - Comprehensive odor control
 - Plant SCADA system
 - Replace gaseous chlorine with sodium hypochlorite
 - General plant rehabilitation (electrical, mechanical, structural)
 - Standby electrical generators
 - Sludge digestion rehabilitation with gas utilization
- **NWWTP Public Project** - includes purchase of property in order to resolve odor control complaints from nearby residents of the NWWTP. The City/Parish has developed a public project for implementation which would create a buffer zone between the North WWTP and the adjacent residential neighborhood. This buffer zone will include plantings as well as stormwater improvements.
- **SWWTP Phase 2 Master Plan Project** – This project includes Master Plan improvements were outlined in the *Draft Wastewater Master Plan* (CH2M HILL, May 2008). The following are project elements that will be included as additive alternates for the SWWTP Phase 2 construction project:

- Secondary electrical source consisting of on-site engine/generators
 - Improvements to the existing solids thickening and dewatering facilities including new thickened sludge mixing tanks
 - Repair and improvements to existing anaerobic digesters including a new sludge heating system utilizing digester gas and hot water boilers
 - Rehabilitation of existing buildings
 - Construction of a plant SCADA system
 - Construction of new laboratory and administration buildings
- **Stand-by Power Program** - This project will drastically reduce SSOs caused by power outages at the 400+ pump stations in the system, by providing stand-by power at the pump stations. This program consists of installing generators at every wastewater pump station and wastewater treatment facility throughout the City/Parish that can be put in place during power outages, eliminating the risk of overflows from this cause.
 - **Supervisory Control and Data Acquisition (SCADA) Project** - The SCADA Project will provide telemetry and remote monitoring to all existing pump stations, new pump stations, and those pump stations being replaced. The project provides remote monitoring of operations data & alarms that will be communicated via telemetry to a centralized operations center. The centralized operations center will have control capability for major pump stations and storage facilities in the system, allowing flow control to anticipate and reduce the possibility of overflows and/or reduce their severity. The remote monitoring will help City/Parish staff quickly respond to mechanical and electrical problems at the pump stations.
 - **Choctaw Sewer Collection Maintenance Facility** - The Choctaw Administration/Maintenance Facility will consolidate several separate City/Parish facilities to one location. The facility will house the wastewater collections staff, provide warehouse and equipment storage, house the electrical and pump maintenance shops, and include a fueling station for use by City/Parish employees. The site is centrally located in the parish, so the maintenance facility will allow staff to be efficiently deployed to all areas of DPW's sewer network. The pump maintenance shop will include a pump testing pit, which allows the City/Parish to test pumps at the shop rather than testing once installed at the pump station.
 - **NWWTP Odor Control Project** - the NWWTP Odor Control Project is designed to minimize odors from the WWTP headworks building.
 - **Comite Drive – Foster Road Phase 2 Project** - This project includes an upgrade to the existing sewer system that runs along Comite Drive. The current sewer system in this area is individual septic systems that discharge into an open ditch along the road. A new sewer collection system is being installed to eliminate these discharges. The project consists of new sewers, forcemains, and pump stations.

Table 1 below outlines the anticipated schedule and estimated construction cost of the additional projects. Note that the schedule below is based upon time (number or months) from extension approval for the projects involving the NWWTP.

Table 1			
Proposed Schedule for Projects Outside of Consent Decree			
	Scheduled Start	Scheduled Finish	Estimated Construction Cost
NWWTP Master Plan Projects	6 months from Extension approval	Design – 18 months from start Construction – 3 years from design finish	\$50 M
NWWTP Public Project	6 months from Extension approval	Design and Land Purchase – 1 year from start Construction – 1 year from design finish	\$6 M
SWWTP Wet Weather Improvements – Phase II (Master Plan portion)	Project Underway	Proposed completion by 4 th quarter 2014	\$22 M
Sewer System and WWTP Stand-by Power Program	Project Underway	Completion of SSO Program	\$30 M
SCADA (Collection System, Operations Data and Control Center)	Project Underway	Completion of SSO Program	\$15 M
Choctaw Sewer Collection Maintenance Facility	Design Complete/ Construction start in early 2013	Early 2015	\$15 M
NWWTP Odor Control Project	Complete	Complete	\$1.5 M
Comite –Foster Road Sewer Area Upgrades - Phase II	Complete	Complete	\$0.9 M