BATON ROUGE SSO PROGRAM

2002 CONSENT DECREE

2004 ANNUAL REPORT

January 30, 2005

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2002 CONSENT DECREE

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Department of Public Works

City of Baton Rouge
Parish of East Baton Rouge

Post Office Box 1471
Baton Rouge, Louisiana
70821

January 29, 2005

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, 2004**

Gentlemen:

Pursuant to Paragraph 52 of the Consent Decree, the City of Baton Rouge and Parish of East Baton Rouge hereby submits the Annual Report covering activities for the year ending December 31, 2004. This report addresses the following items:

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

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

I certify that the information contained in or accompanying this document is true, accurate and complete. As to identified portions of this document for which I cannot personally verify their

truth and accuracy, I certify as the official having supervisory responsibility for the persons who, acting under my direct instructions, made the verification, that this is true, accurate and complete.

Sincerely,

Jeff Broussard
Deputy Director

Cc: Honorable Melvin L. "Kip" Holden, Mayor-President
Mr. Walter Monsour, Chief Administrative Officer
Mr. Bruce Hammatt, LDEQ
Chief, Environmental Enforcement Section, US DOJ
Mr. Carlos Zequeira, (6RC-EA)
Ms. Vivian Hare, (6EN-WC)
Ms. Peggy Hatch, LDEQ
Representative William Daniel
Mr. Mark LeBlanc
Mr. Jim Thompson
Mr. Bryan Harmon
Mr. Richard Wright
Mr. Robert Groht
Mr. David Ratcliff
Mr. Bill McHie, MWH

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Baton Rouge Consent Decree
2004 Annual Report

This Annual Report covering the period from January 1, 2004 to December 31, 2004 is submitted in accordance with Paragraph 52 of the Consent Decree. The report addresses all items identified in Consent Decree Exhibit I regarding the Annual Report format and content.

I Remedial Measures Action Plan (RMAP)

The City/Parish identified a comprehensive remedial action plan for the collection system during consent decree negotiations, identified as Alternative I (the original SSO Plan) in the Consent Decree. Shortly thereafter, a VE study was commissioned to explore cost-saving alternatives, and the VE study identified seven options of the original SSO Plan for further considerations. Three of those options (3, 4 and 7) were considered equivalent low-cost options. Through a series of Metro Council and public meetings, Option 7, the Composite Plan, was selected.

The First RMAP, submitted on January 10, 2001, consists of the projects common to the three lowest cost VE options. Table 1 lists the projects in the First RMAP and identifies the status of each project based on the original schedule. The Second RMAP, submitted on November 19, 2002, consists of the projects required to complete the selected overall remedial action plan, Option 7. Table 2 lists the projects in the Second RMAP and identifies the status of each project based on the original schedule. As the planning and design activities for the RMAPs have progressed, it has become apparent that modifications to the projects and schedule are necessary, for the following reasons:

1. To provide for logical construction and start-up sequencing, some projects have been recombined with other projects, and therefore some project numbers have been deleted.
2. To reflect delays in permitting and implementation of Ballasted Flocculation Units for treatment plants.
3. To add new projects to replace existing projects, accomplishing the same objectives for either less money or for other operational advantages.
4. Some rehabilitation projects, like N-12 & N-99 have been divided into smaller construction projects.
5. Tunnel projects T-01 through T-17 have been regrouped to reflect current Tunnel routing.

The proposed modifications will not affect the consent decree RMAP milestone date for completion of all construction by January 1, 2015. A written request with proposed RMAP modifications for review and approval was submitted on December 3, 2004. While the proposed modifications are being reviewed, we wanted to provide information in this annual report on the status of projects based on the proposed schedule. This will provide a better picture of the current projects and status.

Table 3 is the revised First RMAP, which lists the current status of the projects with revised descriptions and construction schedule dates. Table 4 is the revised Second RMAP, which lists the current status of the projects with revised description and construction schedule dates.

The updated implementation schedules for the revised First and Second RMAP projects, indicating total project time (design and construction), are presented in Appendix A. The City/Parish met with EPA and LDEQ at EPA Region 6 offices on May 25, 2004 for a program status presentation. That presentation included an update of the status of current RMAP projects.

The Consent Decree RMAP milestone dates are as follows:

	Consent Decree Date	Actual Date
Start construction of 1st RMAP remedial measures	January 15, 2001	January 10, 2001
Submit 2nd RMAP schedule	December 1, 2002	November 20, 2002
Complete construction of 1st RMAP remedial measures	May 4, 2007	
Complete construction of 33% of total RMAP	July 1, 2007	
Complete construction of 66% of total RMAP	July 1, 2011	
Complete construction of 100% of the total RMAP	January 1, 2015	

The City/Parish was in compliance with Section XII Collection System Remedial Program during this reporting period. There were no problems encountered in the Collection System Remedial Program during this reporting period and non-compliance is not anticipated during the next reporting period. There is a need to modify the projects and schedule for the first and second RMAPs, as previously mentioned.

Table 1
First RMAP Project Status (original)

Project Description		Design Status	Construction				
			Start Date		Completion Date		Percent Complete
			Sched.	Actual	Sched.	Actual	
N-01	Choctaw Basin Return System[1]	0%	01/01/03		10/19/04		
N-02	PS 49/52 Area Upgrades	100%	03/10/03		06/25/04		
N-04	PS 47 Area Upgrades	0%	04/07/03		07/23/04		
N-05	PS 24 Area Upgrades	100%	02/09/04		05/27/05		
N-06	PS 43 Area Upgrades[3]	25%	10/22/01		11/08/02		
N-07	PS 39/55 Area Upgrades	5%	04/07/03		07/23/04		
N-09	PS 44/46 Area Upgrades	100%	02/09/04	12/01/03	05/27/05		5%
N-10	PS 240 Area Upgrades	95%	11/12/01		02/28/03		
N-11	PS 65 Area Upgrades	20%	11/12/01		02/28/03		
N-12	North Sewer Rehab Projects[2]	0%	01/21/02		11/07/03		
N-13	North Choctaw Basin System	0%	03/18/02		01/02/04		
N-99	Further Investigations (North Area)[2]	100%	N/A	N/A	N/A	N/A	N/A
C-03	PS 2 Area Rehabilitation	100%	11/21/01	03/04/02	02/28/03	09/28/02	100%
S-01B	SWWTP-Influent Pump Station	100%	10/16/00	01/10/01	08/02/02	04/14/03	100%
S-08	Industriplex Area Upgrades	95%	03/20/01		07/08/02		
S-11	PS 40 Area Upgrades	100%	11/12/01	08/06/03	02/28/03	12/22/03	100%
S-14	Kleinpeter Area Upgrades	0%	02/15/02		03/06/03		
S-16	PS 136 Area Upgrades	95%	04/09/01		01/24/03		
S-99	Further Investigations (South Area)	100%	10/01/01	07/5/02	09/26/03	05/22/03	100%

[1] Project deleted
[2] Project separated into smaller scopes/projects (Project number & description may be changed or re-used)
[3] Project combined with others (Project number & description may be changed or re-used)
[4] Project description may have changed
[5] New Project

Table 2
Second RMAP Project Status (original)

Project Description		Design Status	Construction				
			Start Date		Completion Date		Percent Complete
			Sched.	Actual	Sched.	Actual	
BFU1	Ballasted Flocculation Unit for N-08	0%	03/02/04		06/15/05		
BFU2	Ballasted Flocculation Unit for N-03	0%	04/12/05		01/27/07		
BFU3	Ballasted Flocculation Unit for C-02	0%	03/25/08		01/09/10		
BFU4	Ballasted Flocculation Unit for SWWTP	0%	03/01/05		06/14/06		
N-03	North Park Area Upgrades	0%	04/12/05		01/27/07		
N-08	PS 45 Area Upgrades	0%	01/16/04		04/30/05		
C-01	PS 59 Area Upgrades	0%	03/27/07		01/10/09		
C-02	PS 23/PS 60 Area Upgrades	0%	03/25/08		01/09/10		
C-04	PS 4 Area Upgrades	0%	01/14/11		04/28/12		
C-05	PS 5 Area Upgrades	0%	12/23/09		01/06/11		
C-06	PS 15/PS 48 Area Upgrades	0%	01/16/12		04/30/13		
C-07	PS 1 Area Upgrades	0%	01/13/09		04/28/10		
S-01A	PS 58 Area Upgrades	0%	01/15/08		04/29/09		
S-02	East Highland Road Area Upgrades	0%	01/13/09		04/28/10		
S-03	PS 58 Area Upgrades #1[4]	0%	12/23/09		01/06/11		
S-04	PS 66 Area Upgrades	0%	12/22/10		01/05/12		
S-05	PS 58 Area Upgrades #2[4]	0%	01/16/12		04/30/13		
S-06	PS 31 Area Upgrades	0%	01/15/10		04/30/11		
S-07	PS 944 Area Upgrades	0%	12/20/07		01/02/09		
S-09	Gardere/GSRI Area Upgrades	0%	12/20/07		01/02/09		
S-10	Tiger Bend/Antioch Area Upgrades	0%	01/17/11		05/01/12		
S-12	PS 177 Area Upgrades	0%	12/19/08		01/02/10		
S-13	PS 170/PS274 Area Upgrades	0%	12/19/08		01/02/10		
S-15	Hoo Shoo Too & Jefferson Hwy Area Upgrades	0%	12/20/07		01/02/09		
S-17	South Siegen Area Upgrades	0%	01/15/08		04/29/09		
S-18	PS 40 Area Upgrades	0%	01/15/08		04/29/09		
S-19	PS 53 Area Upgrades[4]	0%	01/14/09		04/29/10		
S-20	PS 56 Area Upgrades[4]	0%	01/13/09		04/28/10		
S-21	BPS 100 Area Upgrades	0%	01/16/12		04/30/13		
S-22	BPS 508 Area Upgrades	0%	01/15/13		04/30/14		
S-23	PS 120 Area Upgrades[4]	0%	01/14/11		04/28/12		
S-24	PS 50 Area Upgrades #2[4]	0%	01/14/11		04/28/12		
S-25	PS 236 Area Upgrades	0%	01/15/10		04/30/11		
T-01	SWWTP Tunnel Pump Station	5%	05/10/04		08/17/06		
T-02	CWWTP Tunnel Pump Station	5%	05/10/04		02/16/06		
T-03	Tunnel - CWWTP to PS 2	5%	11/10/04		08/09/06		
T-04	Tunnel - SWWTP to Highland	5%	11/11/04		11/16/06		
T-05	Bluebonnet Tunnel Highland - South of I-10	0%	05/10/05		11/27/07		
T-06	Brightside/Perkins/Ben Hur Tunnel	0%	05/09/07		07/22/09		
T-07	Southeast Baton Rouge Minor Tunnels	0%	11/10/06		02/18/10		

Table 2 (continued)
Second RMAP Project Status (original)

Project Description		Design Status	Construction				
			Start Date		Completion Date		Percent Complete
			Sched.	Actual	Sched.	Actual	
T-08	Old Hammond Highway Minor Tunnels[1,3]	0%	05/11/09		06/20/11		
T-09	Tunnels South of Old Hammond to Bluebonnet[1,3]	0%	05/10/05		12/30/08		
T-10	Tunnels North of PS 2, Central Service Area[1,3]	0%	02/08/08		05/20/11		
T-11	Perkins Road Tunnel, Pecue to Bluebonnet[1,3]	0%	11/09/05		03/19/08		
T-12	Highland Road Tunnel West of Gardere[1,3]	0%	05/10/05		02/19/08		
T-13	Pecue Lane Tunnel[1,3]	0%	05/09/06		10/21/08		
T-14	Sherwood Forest Boulevard Tunnel[1,3]	0%	08/11/08		03/08/11		
T-15	Tunnels South of PS 2 in Central Area[1,3]	0%	05/09/07		04/08/09		
T-16	Tunnel Tie-ins (Phases 1, 2, & 3) [1,3]	0%	05/26/08		02/21/13		
T-17	Highland Road East Tunnels[1,3]	0%	11/09/05		12/30/09		
T-18	Pump Station Demolition (Phases 1 & 2) [1,3]	0%	03/26/12		07/16/14		

[1] Project deleted
[2] Project separated into smaller scopes/projects (Project number & description may be changed or re-used)
[3] Project combined with others (Project number & description may be changed or re-used)
[4] Project description may have changed
[5] New Project

Table 3
First RMAP Project Status (proposed revision)

Project Description		Design Status	Construction				
			Start Date		Completion Date		Percent Complete
			Sched.	Actual	Sched.	Actual	
N-02	PS 49/52 Area Upgrades	100%	04/16/04	05/24/04	04/12/05		19%
N-05	PS 24 Area Upgrades	100%	04/12/04	05/17/04	04/14/05		75%
N-09	PS 44/46 Area Upgrades	100%	02/09/04	12/01/03	05/27/05		89%
N-10	PS 240 Area Upgrades	100%	05/24/04	08/30/04	05/26/05		8%
N-11	PS 65 Area Upgrades	50%	03/28/05		03/30/06		
N-12	North Area Lateral Rehabilitation	50%	09/17/04		03/15/06		
N-14	Bellingrath Rehabilitation	100%	12/09/03	12/09/03	12/07/04		86%
N-15	Frenchtown Road Rehabilitation	100%	04/23/04	05/24/04	04/25/05		47%
N-23	North Area Comp. Rehabilitation	100%	08/10/04	08/30/04	08/09/05		64%
N-31	PS 45 Area Rehabilitation	100%	05/09/00	05/09/00	01/23/01	01/23/01	100%
N-99	Further Investigations (North Area)	100%	N/A	N/A	N/A	N/A	N/A
C-03	PS 2 Area Rehabilitation	100%	11/21/01	03/04/02	02/28/03	09/28/02	100%
S-01B	SWWTP-Influent Pump Station	100%	10/16/00	01/10/01	08/02/02	04/14/03	100%
S-08	Industriplex Area Upgrades	95%	06/16/04		12/11/05		
S-11	PS 40 Area Upgrades	100%	11/12/01	08/06/03	02/28/03	12/22/03	100%
S-14	Kleinpeter Area Upgrades	95%	03/15/05		12/14/05		
S-16	PS 136 Area Upgrades	95%	05/20/04		11/14/05		
S-99	Further Investigations (South Area)	100%	10/01/01	07/5/02	09/26/03	05/22/03	100%

Table 4
Second RMAP Project Status (proposed revision)

Project Description		Design Status	Construction				
			Start Date		Completion Date		Percent Complete
			Sched.	Actual	Sched.	Actual	
NBFU	Ballasted Flocculation Unit for N-08	0%	07/24/05		07/24/08		
CBFU	Ballasted Flocculation Unit for C-02	0%	05/30/07		12/03/08		
SBFU	Ballasted Flocculation Unit for SWWTP	0%	12/17/05		12/22/07		
N-01	Choctaw Area Pump Station	0%	12/07/05		06/04/07		
N-03	North Park Area Upgrades	0%	08/27/06		11/04/08		
N-04	PS 47 Area Upgrades	0%	06/09/07		06/09/08		
N-07	PS 39/55 Area Upgrades	5%	03/05/06		03/05/07		
N-08	PS 45 Area Upgrades	0%	05/11/07		11/04/08		
N-13	North Choctaw Area Upgrades	0%	08/22/05		08/27/07		
N-16	Annual Rehabilitation Contract #1	100%	01/19/04	01/19/04	12/30/06		33%
N-17	Annual Rehabilitation Contract #2	100%	07/10/04	07/16/04	12/31/07		7%
N-18	Annual Rehabilitation Contract #3	100%	10/09/04	09/27/04	12/31/07		13%
N-19	Annual Rehabilitation Contract #4	100%	01/03/05		12/31/07		
N-20	North Area Influent Forcemain	0%	08/02/06		08/06/08		
N-21	North Area Influent Pump Station	0%	02/10/07		08/06/08		
C-01	PS 59 Area Upgrades	0%	08/01/07		02/05/09		
C-02	PS 23/PS 60 Area Upgrades	0%	11/29/07		06/05/09		
C-04	PS 4 Area Upgrades	0%	06/28/11		06/26/12		
C-05	PS 5 Area Upgrades	0%	06/29/10		03/31/11		
C-06	PS 15/PS 48 Area Upgrades	0%	06/26/12		06/25/13		
C-07	PS 1 Area Upgrades	0%	06/30/09		07/02/10		
S-01A	PS 58 Area Upgrades #1	0%	01/24/08		01/25/09		
S-02	East Highland Road Area Upgrades	0%	11/25/08		11/27/09		
S-03	PS 58 Area Upgrades #2	0%	06/01/10		06/02/11		
S-04	PS 66 Area Upgrades	0%	11/30/10		11/30/11		
S-05	South Choctaw Area Upgrades #2	0%	11/15/05		11/20/07		
S-06	PS 31 Area Upgrades	0%	12/01/09		12/03/10		
S-07	PS 944 Area Upgrades	0%	05/27/08		05/29/09		
S-09	Gardere/GSRI Area Upgrades	0%	05/27/08		05/29/09		
S-10	Tiger Bend/Antioch Area Upgrades	0%	05/31/11		05/29/12		
S-12	PS 177 Area Upgrades	0%	05/26/09		05/28/10		
S-13	PS 170/PS274 Area Upgrades	0%	05/26/09		05/28/10		
S-15	Hoo Shoo Too & Jefferson Hwy Area Upgrades	0%	03/24/09		12/23/09		
S-17	South Siegen Area Upgrades	0%	04/01/08		04/03/09		
S-18	PS 40 Area Upgrades	0%	05/27/08		05/29/09		
S-19	PS 53 Area Upgrades	0%	05/26/09		05/28/10		
S-20	PS 56 Area Upgrades	0%	05/26/09		05/28/10		
S-21	BPS 100 Area Upgrades	0%	03/27/12		03/26/16		
S-22	BPS 508 Area Upgrades	0%	09/11/12		09/10/12		
S-23	PS 120 Area Upgrades	0%	05/31/11		05/29/12		
S-24	PS 50 Area Upgrades #2	0%	05/29/07		05/30/08		
S-25	PS 236 Area Upgrades	0%	05/18/10		11/10/11		
T-01	SWWTP Tunnel Pump Station	5%	05/18/05		05/13/07		

Table 4 (continued)
Second RMAP Project Status (proposed revision)

Project Description		Design Status	Construction				
			Start Date		Completion Date		Percent Complete
			Sched.	Actual	Sched.	Actual	
T-02	CWWTP Tunnel Pump Station	5%	05/18/05		08/14/06		
T-03	Central Service Area Trunk Tunnels	5%	06/22/05		01/11/10		
T-04	South Service Area Trunk Tunnels	5%	06/23/05		12/30/10		
T-05	Bluebonnet/Airline Tunnels	0%	10/26/06		03/26/11		
T-06	Airline Extension Tunnels	0%	12/12/07		12/12/10		
T-07	Old Hammond Tunnels	0%	06/12/07		06/20/12		

In accordance with Paragraph 35 of the Consent Decree, the City/Parish shall spend at least $3 million per year for sewer repairs, sewer rehabilitation, and other capital needs related to reduction of Infiltration and Inflow ("I & I") into the North, Central, and South Plant Collection Systems. The following table identifies the funds expended during 2004 to meet this requirement.

Table 5
Infiltration & Inflow Reduction Activities

PROJECT	DESCRIPTION	2003 % COMPLET	ACTUAL % COMPLETE	CONSTRUCTION COST/BID	EXPENDITURES 2004
02-WWC-RBL1	Annual Lining Project (Yr. 3)	100%	100%	$1,000,000.00	$999,855.00
02-CDR-02	Annual Point Repair Project (Yr. 2)	100%	100%	$1,500,000.00	$1,487,601.20
03-CDR-06	Annual Manhole Rehab. Project (Yr. 1)	100%	100%	$769,540.00	$472,775.22
04-CDR-01	Annual Parishwide Point Repair Project (Yr. 1)	100%	100%	$1,000,000.00	$539,371.23
TOTAL EXPENDITURES IN 2004				**$4,269,540.00**	**$3,499,602.65**

II Treatment Facility Assessment

The Treatment Facility Assessment was submitted March 26, 2002. In the Treatment Facility Assessment, all process units and conveyance elements were determined to have capacity for current and projected design flows at all three WWTPs. Also, all WWTPs have the ability to meet their permit effluent limits. Based on these findings, no WWTP facility improvements or expansion are required. The Treatment Facility Assessment also indicated that the monthly Operators Process Control meetings currently led by Dr. John J. Sansalone of LSU are having a beneficial impact on plant performance.

The City/Parish submitted a Municipal Water Pollution Prevention (MWPP) Environmental Audit Reports on May 25, 2004, July 21, 2004 and October 18, 2004 (see Appendix B). This report contains an evaluation and rating for influent loadings, plant performance, overflows & bypasses, treatment plant age, sludge disposal, new development in collection system, and

operator certification training for the North, South and Central Wastewater Treatment Plants. The MWPP audit rated the treatment plants on the above factors for the year following the entry into the Consent Decree. The actions that will be taken to maintain compliance and prevent effluent violations are presented in a MWPP Resolution, which was submitted along with the audit. Some of those actions include implementation of aggressive process control strategies recommended by Louisiana State University Civil & Environmental Engineering Department and managing a project to reduce the high concentration of hydrogen sulfide at the treatment plants.

III Environmental Results Monitoring (ERM)

The objective of the ERM program is to measure the environmental impacts of the SSO Program by monitoring sewage indicating pollutants in major receiving waters prior to and following completion of remedial measures within each drainage basin. The four sampling locations, identified in Figure 1, include all major tributaries in East Baton Rouge Parish, which enter the Amite River System – and eventually Lake Ponchatrain.

Two Phase I Baseline Monitoring events were conducted during the 2004 reporting period. Reports identifying the rain event characteristics, sampling procedures, and summary of the laboratory results for each monitoring event are provided in Appendix C. Water quality samples were analyzed for the parameters established in the ERM plan; Fecal Coliform, Fecal Streptococcus, and Enterococcus.

Laboratory results for each parameter during each event are also provided in Appendix C. According to the water quality criteria set forth in LAC 33.IX.11, the fecal coliform content of a stream designated for primary contact recreation shall not exceed 200 col/100 ml. During the non-recreational period of November 1 through April 30, fecal coliform content should not exceed 1,000 col/100 ml. Water quality criteria for fecal streptococcus and enterococcus are not available.

Summary of Water Quality Sampling Events

On December 29, 2003, the City/Parish conducted the fifth quarterly Phase I Baseline Monitoring event. This rain event was short-duration, high-intensity event, with peak intensity occurring between 8:00 a.m. and 9:00a.m. The end of rainfall occurred at approximately 1 p.m. Sampling at the four designated sites occurred between the hours of 3:50 p.m. and 4:35 p.m. Results of laboratory analysis are summarized in Table 6, which shows that the fecal coliform criterion was exceeded in three of the four sample locations. Further analysis of these results will be made following future water quality sampling events.

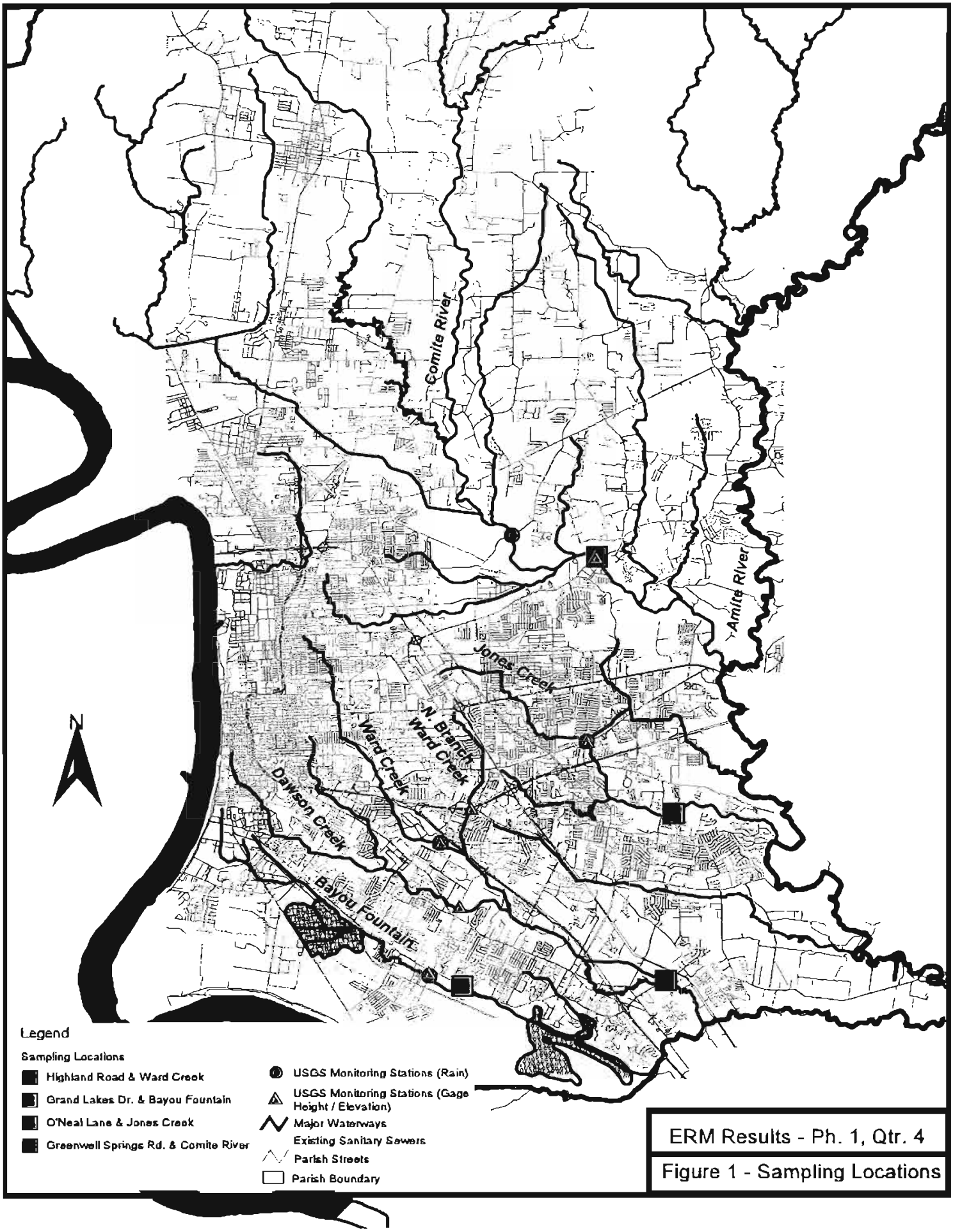

Comite River
Amite River
Jones Creek
N. Branch Ward Creek
Ward Creek
Dawson Creek
Bayou Fountain
N
Legend
Sampling Locations
Highland Road & Ward Creek
Grand Lakes Dr. & Bayou Fountain
O'Neal Lane & Jones Creek
Greenwell Springs Rd. & Comite River
USGS Monitoring Stations (Rain)
USGS Monitoring Stations (Gage Height / Elevation)
Major Waterways
Existing Sanitary Sewers
Parish Streets
Parish Boundary
ERM Results - Ph. 1, Qtr. 4
Figure 1 - Sampling Locations

Table 6
WQ Sampling Results for Phase I, 5th Quarter

	Sampling Location			
Parameter	1-Comite River	2-Jones Creek	3-Ward Creek	4-Bayou Fountain
Fecal Coliform	>1600	>1600	110	>1600
Fecal Streptococcus	ND	ND	ND	ND
Enterococcus	ND	ND	ND	ND
ND= None detected (<2 colonies/100 ml)				

On February 6, 2004, the City/Parish conducted the sixth quarterly Phase I Baseline Monitoring event. This rain event was a drenching, long-duration rain event, with continuous rainfall occurring over a 24-hour period. The highest intensity occurred during the evening hours of February 5. The end of rainfall occurred at approximately midnight of February 6. Sampling at the four designated sites occurred between the hours of 8:45 a.m. and 9:30 a.m. on February 6. Results of laboratory analyses are summarized in Table 7, which shows that the fecal coliform criterion was **not exceeded** in all four-sample locations. Further analysis of these results will be made following future water quality sampling events.

Table 7
WQ Sampling Results for Phase I, 6th Quarter

	Sampling Location			
Parameter	1-Comite River	2-Jones Creek	3-Ward Creek	4-Bayou Fountain
Fecal Coliform	188	188	900	350
Fecal Streptococcus	ND	ND	ND	ND
Enterococcus	ND	ND	ND	ND
ND = None detected (<2 colonies/100 ml)				

IV 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 NPDES permits. During 2004 the North and Central WWTPs have been in compliance with the 75% interim effluent limits for removal of TSS. In fact, the Central WWTP met the permit limit of 85% removal of TSS the entire year. Both the North WWTP and the Central WWTP were in compliance with the 75% interim effluent limits for the removal of BOD eleven months out of twelve months in 2004, as illustrated by Table 8.

The South WWTP has been in compliance with the 75% interim effluent limit for TSS all year. However, it did not meet the 75% interim effluent limit for BOD for 9 months of the year. The South WWTP is experiencing operational difficulties related to snail infestation and failures of the trickling filter distributor arms. The snail screening system was put into operation in August 2004, but problems with the controls were immediately encountered and delayed full operation of the system for two additional months.

Replacing the distributors at the four South WWTP trickling filters was completed in March 2004. The contract replacing the remaining four defective trickling filter distributors started construction in November 2004 and is scheduled for completion in June 2005 as documented in appendix D. Presently, these four, smaller, older trickling filters and their associated clarifiers are out of service. Once these trickling filters are fully operational, the BOD removal will improve.

In August 2004, a side-by-side pilot test of two Ballasted Flocculation Systems was conducted at the South WWTP under a grant from the U. S. Corps of Engineers. A Design Engineer has been selected and a contract negotiated for the South WWTP Ballasted Flocculation Unit. However, the Notice To Proceed is being held pending the outcome of the Permit Modification Application to allow a ballasted flocculation unit to handle wet weather flows above the currently permitted level.

The Central WWTP has one defective trickling filter distributor, refurbishing on that distributor started construction in November 2004 and is scheduled for completion in April 2005 as document in Appendix D. When all three trickling filters are back in service the reliability BOD removal will improve.

Table 8
Monthly Average Percent Removal

	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
North Plant-LA0036439												
BOD	74	76	78	77	81	75	81	83	83	82	79	77
TSS	82	80	86	78	82	84	83	87	86	85	81	82
Central Plant-LA0036421												
BOD	80	70	83	82	82	86	85	88	86	85	79	78
TSS	90	87	90	90	90	92	92	92	92	90	90	89
South Plant-LA0036412												
BOD	67	66	80	80	77	68	72	72	72	67	73	66
TSS	80	84	89	90	87	82	86	82	82	82	82	80

V Outreach and Public Awareness Program

During this reporting period various meetings were held with the Mayor and Metropolitan Council as well as in various Metropolitan Council Districts regarding the SSO Program status. During the City/Parish budgeting process this year, the Mayor-President presented information about the Sanitary Sewer Overflow Program (SSO) and the Consent Decree. In November 2004 the City/Parish was granted a $25,000,000 dollar SRLF loan from the Louisiana Department of Environmental Quality (LDEQ) for certain RMAP projects. In addition to these funds, the LDEQ will also provide the City/Parish a loan in the amount of $15,000,000 dollars per program year at an interest rate of 3.95% if funding is available.

A series of workshops/seminars occurred during this reporting period. The City/Parish has quarterly meeting with the Citizen Advisory Committee, in which the Committee is informed about the SSO program's progress schedules and other sewer related programs and functions. In March 2004, the City/Parish made a presentation at the North American Society for Trenchless Technology Conference and participated in the annual Trenchless Technology Roundtable Discussion with other municipalities from around the country. The City/Parish also held an informational meeting with the Greater Baton Rouge Federation of Civic Associations in August 2004. Members of various Civic Associations, located across the Greater Baton Rouge area, attended this meeting. The topic of discussion was a SSO program overview and a question an answer section in which members of the associations could voice their concerns. During this reporting period, the City/Parish also met with the City of Zachary's Rotary Club to discuss the SSO projects that would have an impact on their community.

With the completion of the SEP projects in 2004, the City/Parish developed a Sewer Tie-in Program, which enables the homeowner to abandon their old septic tank at a fixed price. The City/Parish, through negotiations with several plumbing contractors, developed an agreement between the homeowners and contractors to wave all City/Parish permit fees in order to keep the

septic tank abandonment fees to a minimum. In order to assist low income homeowners, the City/Parish, with funding from of a Community Development Block Grant (CDBG), pays for the septic tank abandonment fees after the homeowner has met the program guidelines (see Appendix E). The information handed out at the public meeting (see attachment) was placed on the program website for public access. 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.

	Activity	Date / Status
1.	Provide Program informational brochures on SSO Plan	**July 2001**
2.	Neighborhood meetings in various Metropolitan Council Districts	**ongoing**
3.	Meet with Mayor and the Metropolitan Council members on program status	**ongoing**
4.	Develop information program on the Consent Decree and the Sewer Improvement Program	**ongoing**
5.	Post Consent Decree and overflow information on City-Parish website	**June 2002**
6.	Public appearances by DPW Director	**ongoing**
7.	Provide SCIP and SSO CAP information in the Mayor-President's Budget Message	**Nov 2004**
8.	Sewer Tie-In Program	**Jan 2004**
9.	Provide fact sheet about the SEPs on City-Parish website	**Dec 2002**
10.	Consent Decree copies made available	**ongoing**
11.	SRF Loan Program	**Nov 2004**

VI Plan Modification Needs

The City/Parish has not identified any deficiencies in the Cross Connection Elimination Plan or the Preventive Maintenance Program. However the Remedial Measures Action Plan (RMAP) and the Sanitary Sewer Overflow Response Plan (SSORP) are both being revised and will be submitted for approval during the First Quarter of 2004. The Sanitary Sewer Overflow Response Plan (SSORP) needs to be revised to include updating of the overflow response procedures, regulatory agency notification plan, general forms, and to include additional definitions. The Remedial Measures Action Plan (RMAP) needs to be revised to provide for logical construction and start-up sequencing by combining some projects with others, adding new projects to replace existing, and to break projects into smaller construction projects. These changes will not affect the final Consent Decree RMAP construction date of January 1, 2015.

VII Stipulated Penalties

Table 11 presents a summary of submittal and construction milestone dates subject to stipulated penalties in accordance with Section XXI of the consent decree. As of December 31, 2004 the City/Parish has not missed any submittal or construction milestone deadlines, and therefore is not subject to any stipulated penalties due to milestone dates.

Non-compliance items, which are subject to stipulated penalties in accordance with Section XXI of the consent decree, are identified in each consent decree quarterly report. A summary of non-compliance items and associated stipulated penalties reported in quarterly reports for the year 2004 are presented in Table 12.

Table 9
Summary of Stipulated Penalties for Submittal/Construction Milestones

Stipulated Penalties		Deadline	Completion	Total Owed*	Total Paid*
Past Stipulated Penalties		15-Apr-02	12-Apr-02	$216,000	$216,000
Failure to Submit Timely Reports					
Quarterly Reports	7rd Report	31-Jan-04	30-Jan-04		
	8th Report	30-Apr-04	23-Apr-04		
	9th Report	31-July-04	26-July-04		
	10th Report	31-Oct-04	27-Oct-04		
Annual Reports	2004 Report	31-Jan-04	24-Jan-04		
Collection System PMP Plan		30-Mar-01	29-Mar-01		
Treatment Facility Assessment Report		30-Mar-02	26-Mar-02		
SEP Completion Report		15-Sep-04	10-Sep-04		
Failure to Submit Timely and Complete 2nd RMAP		1-Dec-02	20-Nov-02		
Failure to Meet RMAP and Construction Milestones					
Start of Construction		15-Jan-01	10-Jan-01		
1st RMAP Construction Complete		4-May-07			
1st & 2nd RMAP at 33%		1-July -07			
1st & 2nd RMAP at 66%		1-July -11			
2nd RMAP Design Completion		3-June-13			
Completion of all Construction		1-Jan-15			
Failure to Meet SEP Milestone Dates					
Donwood/Oak Manor Project	(start construction)	14-Mar-03	21-Feb-03		
	(end construction)	14-Mar-04	04-Sept-03		
Pleasant Hills/Green Acres Project	(start construction)	14-Jun-03	27-Jun-03		
	(end construction)	14-Jun-04	30-Jul-04		
Sharon Hills/Cedar Glen/Pleasant Hills Project	(start construction)	14-Mar-03	27-Jun-03		
	(end construction)	14-Aug-04	30-Jul-04		
Stumberg Lane Project	(start construction)	14-Mar-03	28-Mar-03		
	(end construction)	14-Mar-04	15-Sept-03		
	Total			**$216,000**	**$216,000**

Table 10
Summary of Stipulated Penalties for Non-Compliance Items

Stipulated Penalties	# of Occurrences	Per Occurrence	Total
Failure to Seal/Eliminate New Cross Connections			
Unauthorized Discharges			
Less Than 1 million gallons and Non-Compliance	2	$5,000	$10,000
Less Than 1 million gallons and Compliance (Post-remedial)	N/A	N/A	
1 million gallons or more	4	$5,000	$20,000
Non-compliant Discharges			
Daily Maximum Limits			
Weekly Average Limits	15	$1,000	$15,000
Monthly (30-day Average) Limits	31	$2,500	$77,500
		Total	$122,500

Appendix A

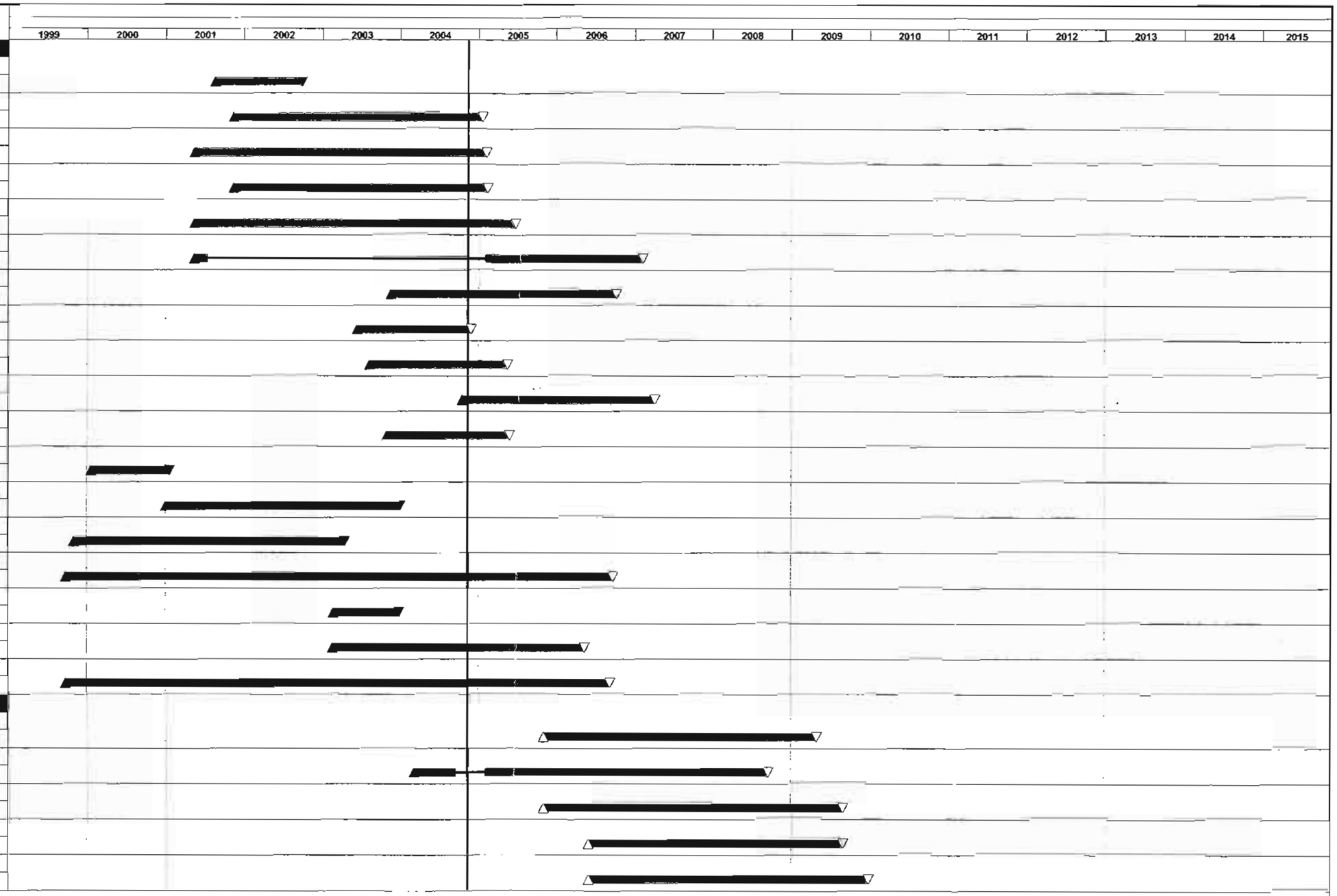
Forecast Start	Forecast Finish	% Comp
+ 10-RMP-S10 / Tiger Bend / Antioch Area Upgrades		
15JAN10	29MAY12	0
+ 08-RMP-S12 / PS 177 Area Upgrades		
15JAN08	28MAY10	0
+ 08-RMP-S13 / PS 170 & 274 Area Upgrades		
15JAN08	28MAY10	0
+ 08-RMP-S15 / Hoo Shoo Too/Jefferson Hwy Upgrds		
07JAN08	23DEC09	0
+ 07-RMP-S17 / South Seigen Area Upgrades		
15JAN07	03APR09	0
+ 07-RMP-S18 / PS 40 & 57 Area Upgrades		
15JAN07	29MAY09	0
+ 08-RMP-S19 / PS 53 Area Upgrades #1		
15JAN08	28MAY10	0
+ 08-RMP-S20 / PS 53 Area Upgrades #2		
15JAN08	28MAY10	0
+ 11-RMP-S21 / BPS 100 Area Upgrades		
15JAN11	26MAR13	0
+ 11-RMP-S22 / BPS 508 Area Upgrades		
04JUL11	10SEP13	0
+ 10-RMP-S23 / PS 101 / 21 Area Upgrades		
15JAN10	29MAY12	0
+ 05-RMP-S24 / PS 50 Area Upgrades		
11NOV05	29JUL08	0
+ 08-RMP-S25 / PS 236 Area Upgrades		
02JUN08	10NOV11	0
+ 04-RMP-S26 / Magnolia Pointe Area Upgrades		
24MAY04A	17FEB06	31
+ 03-RMP-T01 / SWWTP Tunnel Pump Station		
28FEB03A	25NOV07	32
+ 03-RMP-T02 / CWWTP Tunnel Pump Station		
28FEB03A	25MAY07	36
+ 03-RMP-T03 / Central Service Area Trunk Tunnels		
28FEB03A	06OCT10	19
+ 03-RMP-T04 / South Service Area Trunk Tunnels		
28FEB03A	02APR11	18
+ 04-RMP-T05 / Bluebonnet / Airline Tunnels		
05AUG05	27MAR11	0
+ 06-RMP-T06 /Airline Extension Tunnels		
01MAR06	12DEC10	0
+ 07-RMP-T07 / Old Hammond Tunnels		
05AUG05	23MAY12	0

Start Date	01JAN99	SSOP
Finish Date	31DEC14	
Data Date	12NOV04	
Run Date	11JAN05 08:39	

EBR Department of Public Works
SSO Consent Decree Projects
Summary Schedule
By Project
(RMAP 1 and RMAP 2)

Sheet 3 of 3

Forecast Start	Forecast Finish	% Comp
RMAP 1		
+ 01-RMP-C03 / PS2 Area Rehabilitation		
21AUG01A	28SEP02A	100
+ 01-RMP-N02 / PS49 & 52 Area Upgrades		
13NOV01A	19JAN05	93
+ 01-RMP-N05 / PS 24 & 43 Area Upgrades		
17MAY01A	04FEB05	93
+ 01-RMP-N09 / PS 44 & 46 Area Upgrades		
13NOV01A	11FEB05	92
+ 01-RMP-N10 / PS 240 & 45 Area Upgrades		
17MAY01A	25JUN05	83
+ 01-RMP-N11 / PS 65 Area Upgrades		
17MAY01A	11FEB07	4
+ 03-RMP-N12 North Area Lateral Rehab		
15NOV03A	06OCT06	36
+ 03-RMP-N14 Bellingrath Area Rehab		
11JUN03A	24NOV04	97
+ 03-RMP-N15 Frenchtown Rd Area Rehab		
11AUG03A	18MAY05	66
+ 04-RMP-N22 Choctaw Area Storage		
14OCT04A	06APR07	2
+ 03-RMP-N23 Scottlandville Area Rehab		
27OCT03A	26MAY05	61
+ 00-RMP-N31 / PS 45 Area Rehab		
21JAN00A	23JAN01A	100
+ 99-RMP-N99 / North Area Investigations		
01JAN01A	31DEC03A	100
+ 99-RMP-S01B / SWWTP Influent Pump Station		
01NOV99A	14APR03A	100
+ 99-RMP-S08 / Industriplex Area Upgrade		
23SEP99A	23SEP06	73
+ 99-RMP-S11 / PS 211 Area Upgrades		
24FEB03A	22DEC03A	100
+ 03-RMP-S14 / Kleinpeter Area Upgrades		
17FEB03A	15MAY06	45
+ 99-RMP-S16 / PS 136 Area Wastewtr Upgrades		
23SEP99A	10SEP06	74
RMAP2		
+ 04-RMP-NBFS / North BFS Project		
04NOV05	30APR09	0
+ 04-RMP-SBFS / South BFS for SWWTP		
05MAR04A	17SEP08	7
+ 05-RMP-CBFS / Central BFS for CWWTP		
04NOV05	29AUG09	0
+ 06-RMP-C01 / PS59 Area Upgrades		
02JUN06	29AUG09	0
+ 06-RMP-C02 / PS 23 & 60 Area Upgrades		
02JUN06	28DEC09	0



Start Date	01JAN99
Finish Date	31DEC14
Data Date	12NOV04
Run Date	11JAN05 08:39

SSOP

EBR Department of Public Works
SSO Consent Decree Projects
Summary Schedule
By Project
(RMAP 1 and RMAP 2)

Forecast Start	Forecast Finish	% Comp
+ 10-RMP-C04 / PS 4 Area Upgrades		
15JAN10	26JUN12	0
+ 09-RMP-C05 / PS5 Area Upgrades		
15JAN09	31MAR11	0
+ 11-RMP-C06 / PS 15 / 48 / 60 Area Upgrades		
15JAN11	25JUN13	0
+ 08-RMP-C07 / PS 1 / 2 / 10 Area Upgrades		
15JAN08	02JUL10	0
+ 04-RMP-N01 / Choctaw Area Pump Station		
14OCT04A	27NOV07	1
+ 04-RMP-N03 / North Park Area Upgrades		
04FEB05	23JUL09	0
+ 06-RMP-N04 / PS47 Area Upgrades		
02JUN06	21OCT09	0
+ 01-RMP-N07 / PS 39 & 55 Area Upgrades		
30NOV01A	03MAR08	36
+ 99-RMP-N08 / PS 45 Area Upgrades		
23SEP99A	23JUL09	3
+ 04-RMP-N13 / North Choctaw Area Upgrades		
02JUN04A	03MAR08	7
+ 03-RMP-N16 Annual Rehab Contract #1		
10JUL03A	30DEC06	39
+ 03-RMP-N17 Annual Rehab Contract #3		
31JUL03A	15JAN08	24
+ 03-RMP-N18 Annual Rehab Contract #4		
12JAN04A	15JAN08	14
+ 03-RMP-N19 Annual Rehab Contract #5		
02JAN04A	31DEC07	15
+ 05-RMP-N20 North Area Influent Forcemain		
04FEB05	23APR09	0
+ 05-RMP-N21 North Area Influent PS		
04FEB05	23APR09	0
+ 06-RMP-S01A / PS 58 Area Upgrades #1		
03NOV06	17APR09	0
+ 07-RMP-S02 / East Highland Area Upgrades		
13JUL07	27NOV09	0
+ 09-RMP-S03 / PS 58 Area Upgrades #2		
15JAN09	02JUN11	0
+ 09-RMP-S04 / PS 66 Area Upgrades		
17JUL09	30NOV11	0
+ 04-RMP-S05 / South Choctaw Area Upgrades		
01JUN04A	29APR08	6
+ 08-RMP-S06 / PS 31 Area Upgrades		
18JUL08	03DEC10	0
+ 07-RMP-S07 / PS 944 Area Upgrades		
15JAN07	29MAY09	0
+ 07-RMP-S09 / Gardere/GSRI Area Upgrades		
15JAN07	29MAY09	0

Start Date	01JAN99
Finish Date	31DEC14
Data Date	12NOV04
Run Date	11JAN05 08:39

SSOP

EBR Department of Public Works
SSO Consent Decree Projects
Summary Schedule
By Project
(RMAP 1 and RMAP 2)

Appendix B

Department of Public Works

City of Baton Rouge
Parish of East Baton Rouge

Post Office Box 1471
Baton Rouge, Louisiana
70821

DC

May 25, 2004

COPY

Department of Environmental Quality
Office of Water Resources
ATTN: Permits
Post Office Box 82215
Baton Rouge, Louisiana 70884-2215

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

NPDES PERMIT NUMBER:
LA0036439 AI# 4843

Dear Sirs:

As required by your office, we are submitting the annual Municipal Water Pollution Prevention Environmental Audit report along with the MWPP Resolution. This report represents our North Wastewater Treatment Plant.

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

Sincerely yours,

Fred E. Raiford III
Director of Public Works

FR/MO/pas

xc: Jerome Klier, Deputy Director of Public Works
Kent Mudd, Special Projects Engineer - DPW
Robert Groht, Jr., Wastewater Treatment Plant Manager
Bob Wilks, Wastewater Treatment Process Control Supervisor
Walter Jenkins, Assistant WW Treatment Plant Manager
Garcia Dialekwa, Wastewater Laboratory Supervisor

Attachment(s):

Department of Public Works

City of Baton Rouge
Parish of East Baton Rouge

Post Office Box 1471
Baton Rouge, Louisiana
70821

COPY

May 25, 2004

Department of Environmental Quality
Office of Water Resources
ATTN: Permits
Post Office Box 82215
Baton Rouge, Louisiana 70884-2215

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

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Kent Mudd, Special Projects Engineer - DPW
Robert Groht, Jr., Wastewater Treatment Plant Manager
Bob Wilks, Wastewater Treatment Process Control Supervisor
Walter Jenkins, Assistant WW Treatment Plant Manager
Garcia Dialekwa, Wastewater Laboratory Supervisor

Attachment(s):

LOUISIANA

MUNICIPAL WATER POLLUTION PREVENTION

MWPP

Facility Name:	NORTH TREATMENT PLANT
LWDPS Permit Number:	
NPDES Permit Number:	LA0036439 AI# 4843
Address:	55 MILLS AVENUE
	BATON ROUGE
	LOUISIANA
Parish:	EAST BATON ROUGE
(Person Completing Form) Name:	CHARLES M. O'BRIEN
Title:	ASSISTANT WW LAB SUPERVISOR
Date Completed:	MAY 25, 2004

Instructions to the Operator-in-Charge

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 their 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. The resolution must indicate <u>specific</u> 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.

Facility Name | LA0036439 NORTH PLANT

PART 1: INFLUENT FLOW/LOADINGS

Part 1: Influent Flow/Loadings (All plants)

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

Col. 1 Average Monthly Flow (million gallons per day, MGD)		Col. 2 Average Monthly BOD_5 Concentration (mg/l)		Col. 3 Average Monthly BOD_5 Loading (pounds per day)
18.58	X	122	X 8.34 =	18,905
12.29	X	139	X 8.34 =	14,247
16.15	X	112	X 8.34 =	15,085
17.51	X	97	X 8.34 =	14,165
13.17	X	120	X 8.34 =	13,180
16.81	X	106	X 8.34 =	14,861
12.92	X	122	X 8.34 =	13,146
14.64	X	130	X 8.34 =	15,873
15.10	X	141	X 8.34 =	17,757
19.86	X	124	X 8.34 =	20,538
34.22	X	92	X 8.34 =	26,256
20.53	X	122	X 8.34 =	20,889

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 Manual (O & M) or contact your consulting engineer.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Also enter this value on the point calculation table on page 16.

Facility Name LA0036439 NORTH PLANT

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 Avg. Monthly BOD (mg/l)	Column 2 Avg. Monthly TSS (mg/l)
APRIL	24	23
MAY	27	25
JUNE	20	21
JULY	16	13
AUGUST	18	17
SEPTEMBER	16	15
OCTOBER	20	18
NOVEMBER	21	20
DECEMBER	29	25
JANUARY	32	26
FEBRUARY	22	24
MARCH	27	21

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

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

Facility Name LA0036439 NORTH PLANT

C. Continuous Discharge to Surface Water

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

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

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

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

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

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

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

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

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

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

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

Write 0, 5, or 10 in the iv point total box [0] 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 [15] **(max=100)**
Also enter this value on the point calculation table on page 16.

Facility Name | LA0036439 NORTH PLANT

D. Other Monitoring and Limits

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, residual chlorine, or fecal coliform?

✓ Check one box ☐ Yes ☒ No If yes, please describe:

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

✓ Check one box ☐ Yes ☒ No If yes, please describe:

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

✓ Check one box ☐ Yes ☒ No If yes, please describe:

Facility Name | LA0036439 NORTH PLANT

PART 3: AGE OF THE WASTEWATER TREATMENT FACILITIES

A. What year was the wastewater treatment plant constructed or last major expansion/improvements completed? 1998

Current Year - (Answer to A) = Age in years

2004 - 1998 = 6 years

Enter Age in Part C below.

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

		Factor
X	Mechanical Treatment Plant (Trickling filter, activated sludge, etc.) Specify Type Trickling Filter	(2.5)
	Aerated Lagoon	2.0
	Stabilization Pond	1.5
	Other (Specify)	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 of Part 3:

TOTAL POINT VALUE FOR PART 3 = 2.5 (FACTOR) x 6 (AGE) = 15 **(max = 50)**

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

D. Please attach a schematic of the treatment plant.

Facility Name | LA0036439 NORTH PLANT

PART 4: OVERFLOWS AND BYPASSES

A. (1) List the number of times in the last year there was an overflow, bypass, or unpermitted discharge of untreated or incompletely treated wastewater due to heavy rain: 1

(Circle One) 0 = 0 points | (1 = 5 points) | 2 = 10 points
3 = 15 points | 4 = 30 points | 5 or more = 50 points

(2) List the number of bypasses, overflows, or unpermitted discharges shown in A (1) that were within the collection system and the number at the treatment plant.

Collection System 1 Treatment Plant 0

B. (1) List the number of times in the last year there was a bypass or overflow of untreated or incompletely treated wastewater due to equipment failure, either at the treatment plant or due to pumping problems in the collection system: 50.

(Circle One) 0 = 0 points | 1 = 5 points | 2 = 10 points
3 = 15 points | 4 = 30 points | (5 or more = 50 points)

(2) List the number of bypasses or overflows shown in B (1) that were within the collection system and the number at the treatment plant.

Collection System 48 Treatment Plant 2

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

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

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

Also enter this value on the point calculation table on page 16.

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

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

Describe the procedure for gathering, compiling, and reporting:

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

Facility Name | LA0036439 NORTH PLANT

PART 5: SLUDGE STORAGE AND DISPOSAL SITES

A. Sludge Storage

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

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

months	<2	2	3	(4 to 5)	>6	months
points	50	30	20	(10)	0	points

Write 0, 10, 20, 30, or 50 in the A point total box [10] A Point Total

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

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

months	<2	6 to 11	12 to 23	24 to 35	(>36)	months
points	50	30	20	10	(0)	points

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 this sum in the box below at the right:

TOTAL POINT VALUE FOR PART 5 [10] **(max=100)**

Also enter this value on the point calculation table on page 16.

Facility Name LA0036439 NORTH PLANT

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: 400

Design Flow: 0.16 MGD

Design BOD_5: 190 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)?

(Circle One) (No = 0 points) Yes = 15 points

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?

(Circle One) (No = 0 points) Yes = 15 points

Describe: _____

List any new pollutants that you anticipate: _____

D. Add together the point value circled in B and C and place the sum in the blank below.

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

Also enter this value on the point calculation table on page 16.

Facility Name | LA0036439 NORTH PLANT

PART 7: OPERATOR CERTIFICATION AND EDUCATION

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

B. What is his/her certification number? 10-560 Cert. #

C. What level of certification is the operator-in-charge required to have to operate the wastewater treatment plant? WASTEWATER TRMT. IV Level Required

D. What is the level of certification of the operator-in-charge? WASTEWATER TRMT. IV Level Certified

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 or more = 0 points ☐ Less than 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 and training for wastewater treatment plant employees? ✓ Check one box ☒ yes ☐ no

Explain:

16 HOURS OF TRAINING IN WASTEWATER TREATMENT EVERY TWO YEARS.

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 this sum in the box below at the right:

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

Also enter this value on the point calculation table on page 16.

Facility Name LA0036439 NORTH PLANT

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 being financed?
Explain:

SAME AS B

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

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

Facility Name | LA0036439 NORTH PLANT

PART 9: SUBJECTIVE EVALUATION

A. Collection System Maintenance

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

SEE ATTACHMENT

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

ROUTINE MAINTENANCE

3. What collection system improvements does the community have under consideration for the next 5 years?

SEE ATTACHMENT

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

1. Do you have duckweed buildup in your ponds? ☐ Yes ☐ No
2. Do you mow your dikes regularly (at least monthly), to the waters edge? ☐ Yes ☐ No
3. Do you have bushes or trees growing on the dikes or in the ponds? ☐ Yes ☐ No
4. Do you have excess sludge buildup (> 1 foot) on the bottom of any of your ponds? ☐ Yes ☐ No
5. Do you exercise all of your valves? ☐ Yes ☐ No
6. Are your control manholes in good structural shape? ☐ Yes ☐ No
7. Do you maintain at least three feet of freeboard in all your ponds? ☐ Yes ☐ No
8. Do you visit your pond system, at least weekly? ☐ Yes ☐ No

LA0036439 NORTH PLANT

LA MWPP ENVIRONMENTAL AUDIT

PART 9: SUBJECTIVE EVALUATION

A1. AS PART OF THE CONSENT DECREE, OPERATION AND MAINTENANCE OF THE NORTH TREATMENT PLANT COLLECTION AREA IS PERFORMED AND REPORTED ON A QUARTERLY BASIS. THE FOLLOWING TABLE IS A BREAKDOWN/SUMMARY OF ACTIVITIES PERFORMED WITHIN THE NORTH TREATMENT PLANT COLLECTION SYSTEM AREA DURING THE REPORTING PERIOD.

NORTH TREATMENT AREA
MONITORING PERIOD (4/03 – 3/04)

LINE CLEANING	23%
CCTV INSPECTIONS	19%
SMOKE TESTING	25%
DYE TESTING	2%
MANHOLE INSPECTION	4%
LINE REPAIRED	6%
MANHOLE REHABILITATION	0.5%
FORCEMAIN-INSPECTIONS	104%
REPAIRED	7%
AIR RELEASE VALVES-INSPECTIONS	189%
REPAIRED	29%
WET WELL CLEANED	79%
PUMP STATIONS-REPAIRED	11%

A3. DURING THE NEXT 5 YEARS APPROXIMATELY 20 PROJECTS IN THE NORTH TREATMENT PLANT COLLECTION AREA (RELATED TO THE SSO CONSENT DECREE PROGRAM) ARE SCHEDULED TO BE IMPLEMENTED. THE PROJECTS WILL INCLUDE PUMPSTATION UPGRADES, FORCEMAIN IMPROVEMENTS, GRAVITY SEWERS, STORAGE AND WET WEATHER TREATMENT FACILITIES. ADDITIONALLY, ANNUAL CONTRACTS FOR SEWER REHABILITATION INCLUDING LINING, POINT REPAIR, UPSIZING, AND OTHER REHABILITATION METHODS WILL ALSO BE IMPLEMENTED.

Facility Name | LA0036439 NORTH PLANT

C. Treatment Plants

1. Have the influent and effluent flow meters been calibrated in the last year? ☒ Yes ☐ No

Influent flow meter calibration dates(s):			Effluent flow meter calibration date(s):	
gravity 6/17/03	12/15/03	forcemain 6/17/03	6/18/03	10/03/03

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

Increase in snails at trickling filters.
Loss of digester treatment capacity due to sand, snails and debris from collection system during high flows.

3. Is your community presently involved in formal planning for treatment facility upgrading?

☐ Yes ☒ No If yes, describe:

Facility Name: LA0036439 NORTH PLANT

D. Preventive Maintenance

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

☒ Yes ☐ No If yes, describe:

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

2. 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

3. Are these preventive maintenance tasks, as well as equipment problems, being recorded and filed so future maintenance problems can be assessed properly? ☒ Yes ☐ No

E. Sewer Use Ordinance

1. 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 from industries, commercial users, and residences?

☒ Yes ☐ No If yes, 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 surchaged 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, chemicals and toxic substances.

2. Has it been necessary to enforce? ☒ Yes ☐ No If yes, describe:

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

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

NO

Facility Name | LA0036439 NORTH PLANT

POINT CALCULATION TABLE

Fill in the values from parts 1 through 7 in the columns below. Add the numbers in the left column to determine the point total that the wastewater system has generated for the previous year.

Actual Values	Actual Values	Maximum
Part 1: Influent Flow/Loadings	0	80 Points
Part 2: Effluent Quality/Plant Performance	15	100 Points
Part 3: Age of WWTT	15	50 Points
Part 4: Overflows and Bypasses	55	100 Points
Part 5: Ultimate Disposition of Sludge	10	100 Points
Part 6: New Development	0	30 Points
Part 7: Operator Certification Training	0	100 Points

TOTAL POINTS 95

ADOPTED
METROPOLITAN COUNCIL

JUN 09 2004

704 RESOLUTION 43338

COUNCIL ADMINISTRATOR TREASURER

REQUESTING APPROVAL FOR SUBMITTAL OF THE LOUISIANA MUNICIPAL WATER POLLUTION PREVENTION (MWPP) ENVIRONMENTAL AUDIT REPORT FOR THE NORTH WASTEWATER TREATMENT PLANT TO DEQ FOR THE MONITORING PERIOD OF APRIL 2003 THROUGH MARCH 2004.

BE IT RESOLVED by the Metropolitan Council of the Parish of East Baton Rouge and City of Baton Rouge that the submittal of the Louisiana Municipal Water Pollution Prevention (MWPP) Environmental Audit Report for the North Wastewater Treatment Plant to DEQ for the monitoring period of April 2003 through March, 2004, is hereby approved.

CERTIFIED
A TRUE COPY

JUN 14 2004

Assistant Council Administrator

ATTACHMENT 3

SAMPLE MWPP RESOLUTION

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

1. Reviewed 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 Water Discharge Permit System (LWDPS) number LA0036439 AI # 4843

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

   a. CURRENTLY, WE ARE OPERATING UNDER A CONSENT DECREE WHICH BECAME EFFECTIVE MARCH 14, 2002.

   b. IMPLEMENTATION OF AGGRESSIVE PROCESS CONTROL STRATEGIES RECOMMENDED BY LOUISIANA STATE UNIVERSITY CIVIL & ENVIRONMENTAL ENGINEERING DEPARTMENT.

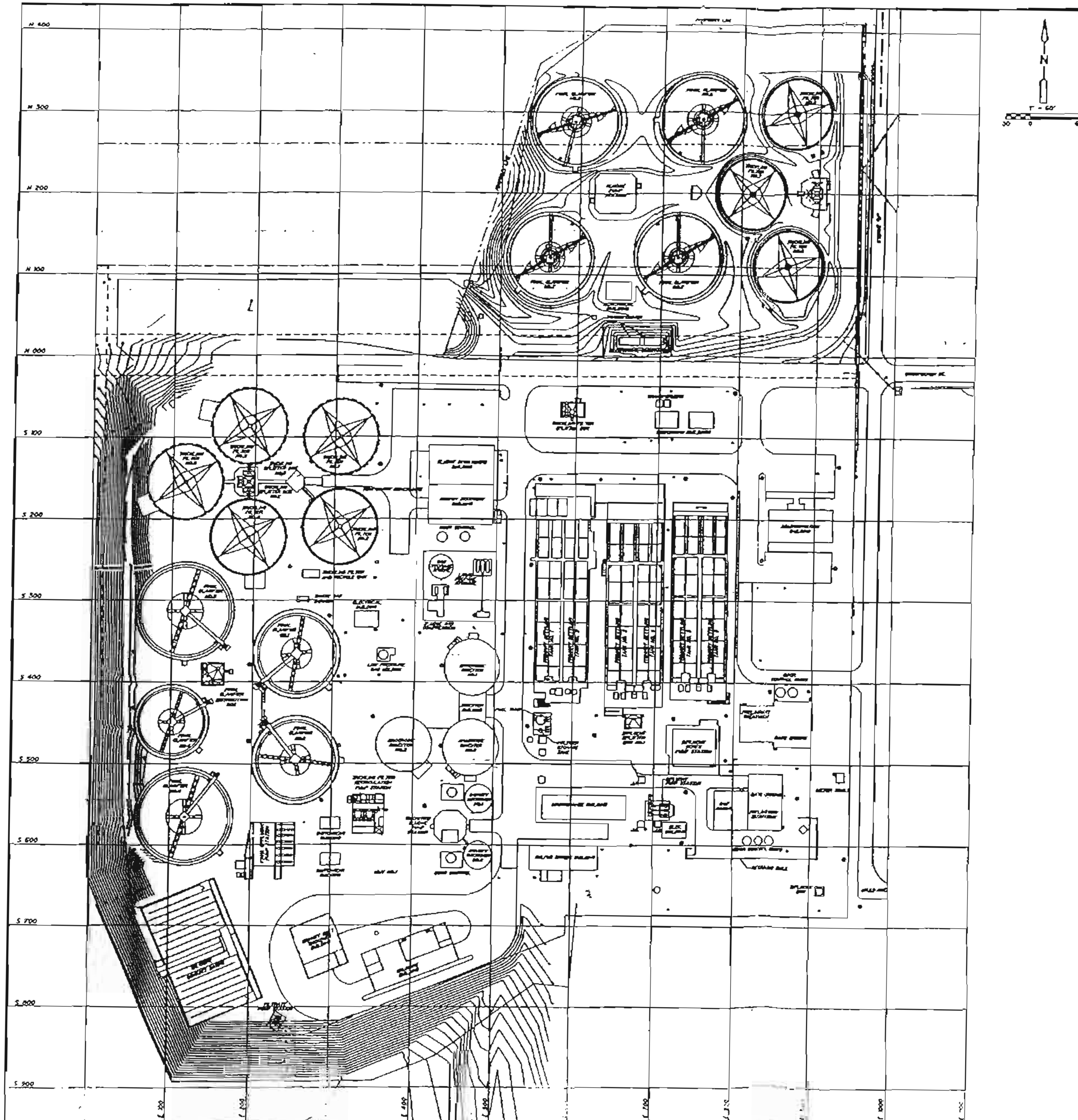
   c. A PROJECT IS UNDERWAY TO REDUCE THE HIGH CONCENTRATION OF HYDROGEN SULFIDE (H_2S).

   d.

   etc.

Passed by a majority (unanimous) (circle one) vote of the CITY/PARISH METROPOLITAN COUNCIL, on June 9, 2004 (date).

Brian Mayers
Council Administrator/~~Treasurer~~
CLERK



LEGEND:

△ TBM TEMPORARY BENCHMARK ELEV 32.27 WEST SIDE OF SLAB FOR TRICKLING FILTER NO. 2.

GENERAL NOTES:

1. LOCATION ELEVATIONS, AND DIMENSIONS OF EXISTING UTILITIES, STRUCTURES, AND OTHER FEATURES ARE SHOWN ACCORDING TO THE BEST INFORMATION AVAILABLE AT THE TIME OF PREPARATION OF THESE PLANS, BUT DO NOT PURPORT TO BE ABSOLUTELY CORRECT. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL VERIFY AND AGREE TO BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES THAT OCCUR DUE TO CONSTRUCTION OPERATIONS. ANYTHING NOT SHOWN ON THESE DRAWINGS SHOULD BE BROUGHT TO THE ATTENTION OF THE ENGINEER AND SHALL NOT CONSTITUTE AN EXTRA, UNLESS APPROVED BY THE ENGINEER.

2. THE CONTRACTOR SHALL CONTACT THE ENGINEER'S OFFICE IMMEDIATELY CONCERNING ANY CONFLICTS ARISING DURING CONSTRUCTION OF ANY IMPROVEMENTS SHOWN ON THESE DRAWINGS.

3. THE CONTRACTOR SHALL REPLACE ALL PAVING, STABILIZED EARTH, CURBS, DRIVEWAYS, SIDEWALKS, ETC., WITH THE SAME TYPE OF MATERIAL AND TO THE SAME CONDITION THAT WAS REMOVED OR DISTURBED DURING CONSTRUCTION AT NO ADDITIONAL COST TO THE OWNER.

4. ALL PROSPECTIVE BIDDERS ARE DIRECTED, PRIOR TO BIDDING, TO CONDUCT WHATEVER INVESTIGATIONS THEY MAY DEEM NECESSARY TO ARRIVE AT THEIR OWN CONCLUSION REGARDING THE ACTUAL CONDITIONS THAT WILL BE ENCOUNTERED, AND UPON WHICH THEIR BIDS WILL BE BASED.

5. TOPOGRAPHIC INFORMATION SHOWN WAS PROVIDED BY PROFESSIONAL ENGINEERING CONSULTANTS (PEC), SIMMONS & BARRY & ASSOC. (SJB), OR FERRIS ENGINEERING & SURVEYING.

6. FINISHED GRADE FOR GROUND ELEVATIONS ON DRAWINGS REFER TO GRADE AFTER SODDING.

7. SPECIAL PIPE FOUNDATIONS, IF REQUIRED, SHALL BE DETERMINED IN THE FIELD AND THE TYPE REQUIRED WILL BE AS DIRECTED BY THE ENGINEER.

8. ALL PRESSURE PIPE JOINTS AND FITTINGS 4 INCHES IN DIAMETER AND LARGER SHALL HAVE RESTRAINED JOINTS IN ACCORDANCE WITH THE SPECIFICATIONS.

9. ALL FITTINGS 6 INCHES AND LARGER ON GRAVITY LINES SHALL HAVE RESTRAINED JOINTS IN ACCORDANCE WITH THE SPECIFICATIONS.

10. PIPES UNDERNEATH STRUCTURES AND SLABS SHALL HAVE 6 INCHES MINIMUM CONCRETE ENCASEMENT FOR PIPES 24 INCHES AND SMALLER, 6 INCHES MINIMUM CONCRETE ENCASEMENT FOR PIPES LARGER THAN 24 INCHES AND UP TO AND INCLUDING 36 INCHES, AND 9 INCHES MAXIMUM CONCRETE ENCASEMENT FOR PIPES LARGER THAN 36 INCHES. CONCRETE ENCASEMENT SHALL EXTEND A MINIMUM OF 12 INCHES PAST EDGE OF STRUCTURE OR SLAB. (SEE NOTE 11 FOR REINFORCEMENT REQUIREMENTS)

11. PIPING INSTALLED UNDERNEATH STRUCTURES AND ENCASED IN CONCRETE SHALL HAVE THE FOLLOWING REINFORCEMENT:

A. PROVIDE #5's AT 12" C/C LONGITUDINALLY, WITH #5 STIRRUP BANDS AT 12" C/C.

B. SHOULD T.O.E. ENCASEMENT FALL WITHIN 3" FROM UNDERSIDE OF SLAB, THE STIRRUP BAND SHALL DOWEL INTO SLAB.

C. IF T.O.E. OF ENCASEMENT IS LOWER THAN 3" FROM UNDERSIDE OF SLAB, ENCASEMENT WILL BE A SEPARATE SECTION.

D. CONCRETE THICKNESS ENCASING THE PIPE IS 6" MINIMUM.

E. REINFORCED CONCRETE ENCASEMENT SHALL EXTEND BEYOND THE OUTER FACE OF THE STRUCTURE AND SHALL TERMINATE AT THE FIRST JOINT WITHIN THE LENGTH OF THE PIPE.

12. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ACTUAL TIE-IN CONNECTIONS TO ALL WATER, RECLAIMED WATER, WASTEWATER, NATURAL GAS AND OTHER LINES AS INDICATED ON THE DRAWINGS.

13. △ ALL FITTINGS FOR PVC/DI 3" IN DIAMETER AND LARGER SHALL BE CAST IRON/DUCTILE IRON, SHORT BODY WITH MECHANICAL JOINTS, WITH HIGH STRENGTH CORTEN CORROSION RESISTANT T-HEAD BOLTS, SUBJECT TO THE APPROVAL OF THE ENGINEER.

14. ALL GATE VALVES, WHERE SPECIFIED, FOR SIZES 4" THROUGH 12" SHALL BE RESILIENT SEATED GATE VALVES IN CONFORMANCE WITH THE SPECIFICATIONS.

15. SOILS EXPLORATION WORK FOR THIS FACILITY WAS PERFORMED BY LOUIS J. CAPOZZOLI & ASSOCIATES. SOIL EXPLORATION WORK IS SOLELY TO ASSIST BIDDERS IN ASSESSING THE NATURE AND EXTENT OF TESTING PROCEDURES REQUIRED TO MAKE THEIR OWN DETERMINATION OF ACTUAL CONDITIONS WHICH WILL BE ENCOUNTERED DURING THE COURSE OF THE WORK. NO REPRESENTATION IS MADE OR WILL BE GIVEN BY THE ENGINEER CONCERNING ACTUAL CONDITIONS WHICH WILL BE ENCOUNTERED DURING THE COURSE OF THE WORK AND BIDDERS ARE DIRECTED, PRIOR TO BIDDING, TO CONDUCT WHATEVER INVESTIGATIONS THEY DEEM NECESSARY TO ARRIVE AT THEIR OWN CONCLUSION REGARDING SUCH CONDITIONS.

16. DURING EXCAVATIONS, CONTRACTOR SHALL, AS A MINIMUM, COMPLY WITH THE OSHA EXCAVATION SAFETY STANDARDS INCLUDING OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION EXCAVATION SAFETY STANDARD 29 CFR 1926.650 (SUBPART P AS AMENDED)

17. ALL FILL SHALL BE COMPACTED TO 90% OF ITS MAXIMUM MODIFIED PROCTOR DRY DENSITY IN ACCORDANCE WITH THE SPECIFICATIONS IN THE GEOTECHNICAL REPORT FOR COMPACTION OF CLAY SOILS. THE CLAY SHALL BE A CL MATERIAL.

18. MECHANICAL JOINTS SHOWN ON THE PLANS MAY, AT THE CONTRACTORS OPTION, BE SUBSTITUTED WITH PUSH-ON JOINT PIPE. ALL RESTRAINTS, THRUST BLOCKS AS SPECIFIED OR NOTED ON THE DRAWINGS STILL APPLY, REGARDLESS OF PIPE JOINTS TYPE USED.

19. LOCATIONS ARE TO OUTSIDE CORNER OF STRUCTURES OR CENTER OF MANHOLES OR OTHER CIRCULAR STRUCTURES UNLESS NOTED OTHERWISE.

STATE OF LOUISIANA
JUSTIN S. HAYDEL, JR.
REG. No. 25321
PROFESSIONAL ENGINEER
CIVIL ENGINEERING

CAMP DRESSER & McKEE INC. CDM

RUSS ENGINEERING

PROFESSIONAL ENGINEERING CONSULTANTS

PHASE-IIIB

NWWTP - EXISTING SITE PLAN

CITY OF BATON ROUGE / PARISH OF EAST BATON ROUGE

PROJECT NO. 24340/1/2

SHEET NO. CN

Department of Public Works

City of Baton Rouge
Parish of East Baton Rouge

Post Office Box 1471
Baton Rouge, Louisiana
70821

COPY

July 21, 2004

Department of Environmental Quality
Office of Water Resources
ATTN: Permits
Post Office Box 82215
Baton Rouge, Louisiana 70884-2215

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

LPDES PERMIT NUMBER:
LA0036412 AI# 4841

Dear Sirs:

As required by your office, we are submitting the annual Municipal Water Pollution Prevention Environmental Audit report along with the MWPP Resolution. This report represents our South Wastewater Treatment Plant for the monitoring period of June 1, 2003 through May 31, 2004.

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

Sincerely yours,

Fred E. Raiford III
Director of Public Works

FR/MO/pas

xc: Jerome Klier, Deputy Director of Public Works
Kent Mudd, Special Projects Engineer - DPW
Robert Groht, Jr., Wastewater Treatment Plant Manager
Bob Wilks, Wastewater Treatment Process Control Supervisor
Walter Jenkins, Assistant WW Treatment Plant Manager
Garcia Dialekwa, Wastewater Laboratory Supervisor

Attachment(s):

LOUISIANA

MUNICIPAL WATER POLLUTION PREVENTION

MWPP

Facility Name:	SOUTH PLANT
LWDPS Permit Number:	
NPDES Permit Number:	LA0036412 AI# 4841
Address:	2850 GARDERE LANE
	BATON ROUGE
	LOUISIANA
Parish:	EAST BATON ROUGE
(Person Completing Form) Name:	CHARLES M. O'BRIEN
Title:	ASSISTANT WW LAB SUPERVISOR
Date Completed:	JULY 21, 2004

Instructions to the Operator-in-Charge

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 their 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. The 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.

Facility Name | LA0036412 SOUTH PLANT

PART 1: INFLUENT FLOW/LOADINGS

Part 1: Influent Flow/Loadings (All plants)

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

Col. 1 Average Monthly Flow (million gallons per day, MGD)		Col. 2 Average Monthly BOD_5 Concentration (mg/l)		Col. 3 Average Monthly BOD_5 Loading (pounds per day)
34.14	X	137	X 8.34 =	39,008
33.34	X	119	X 8.34 =	33,089
29.47	X	142	X 8.34 =	34,901
31.20	X	137	X 8.34 =	35,648
27.18	X	159	X 8.34 =	36,042
31.05	X	163	X 8.34 =	42,210
30.07	X	166	X 8.34 =	41,630
33.91	X	150	X 8.34 =	42,421
51.90	X	107	X 8.34 =	46,314
33.25	X	144	X 8.34 =	39,932
32.53	X	157	X 8.34 =	42,594
46.38	X	114	X 8.34 =	44,096

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 Manual (O & M) or contact your consulting engineer.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

TOTAL POINT VALUE FOR PART 1 [0] **(max=80)**

Also enter this value on the point calculation table on page 16.

Facility Name LA0036412 SOUTH PLANT

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 Avg. Monthly BOD (mg/l)	Column 2 Avg. Monthly TSS (mg/l)
JUNE	39	32
JULY	40	34
AUGUST	32	31
SEPTEMBER	28	31
OCTOBER	36	32
NOVEMBER	36	36
DECEMBER	45	39
JANUARY	50	37
FEBRUARY	36	29
MARCH	29	20
APRIL	32	24
MAY	26	25

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

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

C. Continuous Discharge to Surface Water

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

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

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

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

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

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

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

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

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

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

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

Write 0, 5, or 10 in the iv point total box [10] 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 [100] **(max=100)**
Also enter this value on the point calculation table on page 16.

Facility Name | LA0036412 SOUTH PLANT

D. Other Monitoring and Limits

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, residual chlorine, or fecal coliform?

✓ Check one box ☒ Yes ☐ No If yes, please describe:

FECAL COLIFORM _ 4/6-12/04 5,910 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:

Facility Name | LA0036412 SOUTH PLANT

PART 4: OVERFLOWS AND BYPASSES

A. (1) 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: 56

(Circle One) 0 = 0 points 1 = 5 points 2 = 10 points
3 = 15 points 4 = 30 points (5 or more = 50 points)

(2) List the number of bypasses, overflows, or unpermitted discharges shown in A (1) that were within the collection system and the number at the treatment plant.

Collection System 56 Treatment Plant 0

B. (1) List the number of times in the last year there was a bypass or overflow of untreated or incompletely treated wastewater due to equipment failure, either at the treatment plant or due to pumping problems in the collection system: 109

(Circle One) 0 = 0 points 1 = 5 points 2 = 10 points
3 = 15 points 4 = 30 points (5 or more = 50 points)

(2) List the number of bypasses or overflows shown in B (1) that were within the collection system and the number at the treatment plant.

Collection System 101 Treatment Plant 8

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

D. Add the point values circled 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 on the point calculation table on page 16.

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

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

Describe the procedure for gathering, compiling, and reporting:

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

Facility Name | LA0036412 SOUTH PLANT

PART 6: NEW DEVELOPMENT

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

Design Population: 1,652

Design Flow: 0.69 MGD

Design BOD_5: 190 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)?

(Circle One) (No = 0 points) Yes = 15 points

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?

(Circle One) (No = 0 points) Yes = 15 points

Describe: _____

List any new pollutants that you anticipate: _____

D. Add together the point value circled in B and C and place the sum in the blank below.

TOTAL POINT VALUE FOR PART 6 [0] **(max=30)**

Also enter this value on the point calculation table on page 16.

Facility Name | LA0036412 SOUTH PLANT

PART 5: SLUDGE STORAGE AND DISPOSAL SITES

A. Sludge Storage

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

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

months	<2	2	3	(4 to 5)	>6	months
points	50	30	20	(10)	0	points

Write 0, 10, 20, 30, or 50 in the A point total box [10] A Point Total

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

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

months	<2	6 to 11	12 to 23	24 to 35	(>36)	months
points	50	30	20	10	(0)	points

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 this sum in the box below at the right:

TOTAL POINT VALUE FOR PART 5 [10] **(max = 100)**

Also enter this value on the point calculation table on page 16.

Facility Name | LA0036412 SOUTH PLANT

PART 7: OPERATOR CERTIFICATION AND EDUCATION

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

B. What is his/her certification number? 10-628 Cert. #

C. What level of certification is the operator-in-charge required to have to operate the wastewater treatment plant? WASTEWATER TRMT. IV Level Required

D. What is the level of certification of the operator-in-charge? WASTEWATER TRMT. IV Level Certified

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 or more = 0 points ☐ Less than 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 and training for wastewater treatment plant employees? ✓ Check one box ☒ yes ☐ no

Explain:

REQUIREMENTS: FOR EACH TWO YEAR PERIOD, MUST COMPLETE 16 HOURS OF WASTEWATER TRAINING.

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 this sum in the box below at the right:

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

Also enter this value on the point calculation table on page 16.

Facility Name | LA0036412 SOUTH PLANT

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 being financed?

Explain:

SAME AS B.

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

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

Facility Name LA0036412 SOUTH PLANT

PART 9: SUBJECTIVE EVALUATION

A. Collection System Maintenance

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

SEE ATTACHMENT

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

ROUTINE MAINTENANCE

3. What collection system improvements does the community have under consideration for the next 5 years?

SEE ATTACHMENT

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

1. Do you have duckweed buildup in your ponds? ☐ Yes ☐ No
2. Do you mow your dikes regularly (at least monthly), to the waters edge? ☐ Yes ☐ No
3. Do you have bushes or trees growing on the dikes or in the ponds? ☐ Yes ☐ No
4. Do you have excess sludge buildup (> 1 foot) on the bottom of any of your ponds? ☐ Yes ☐ No
5. Do you exercise all of your valves? ☐ Yes ☐ No
6. Are your control manholes in good structural shape? ☐ Yes ☐ No
7. Do you maintain at least three feet of freeboard in all your ponds? ☐ Yes ☐ No
8. Do you visit your pond system, at least weekly? ☐ Yes ☐ No

LA0036412 SOUTH PLANT

LA MWPP ENVIRONMENTAL AUDIT

PART 9: SUBJECTIVE EVALUATION

A1. AS PART OF THE CONSENT DECREE, OPERATION AND MAINTENANCE OF THE SOUTH TREATMENT PLANT COLLECTION AREA IS PERFORMED AND REPORTED ON A QUARTERLY BASIS. THE FOLLOWING TABLE IS A BREAKDOWN/SUMMARY OF ACTIVITIES PERFORMED WITHIN THE SOUTH TREATMENT PLANT COLLECTION SYSTEM AREA DURING THE REPORTING PERIOD.

SOUTH TREATMENT AREA
MONITORING PERIOD (6/03 – 5/04)

LINE CLEANING	5%
CCTV INSPECTIONS	1%
SMOKE TESTING	5%
DYE TESTING	1%
MANHOLE INSPECTION	3%
LINE REPAIRED	5%
MANHOLE REHABILITATION	0.8%
FORCEMAIN-INSPECTIONS	46%
REPAIRED	9%
AIR RELEASE VALVES-INSPECTIONS	163%
REPAIRED	21%
WET WELL CLEANED	55%
PUMP STATIONS-REPAIRED	8%

A3. DURING THE NEXT 5 YEARS APPROXIMATELY 22 PROJECTS IN THE SOUTH TREATMENT PLANT COLLECTION AREA (RELATED TO THE SSO CONSENT DECREE PROGRAM) ARE SCHEDULED TO BE IMPLEMENTED. THE PROJECTS WILL INCLUDE PUMPSTATION UPGRADES, FORCEMAIN IMPROVEMENTS, GRAVITY SEWERS, STORAGE AND WET WEATHER TREATMENT FACILITIES. ADDITIONALLY, ANNUAL CONTRACTS FOR SEWER REHABILITATION INCLUDING LINING, POINT REPAIR, UPSIZING, AND OTHER REHABILITATION METHODS WILL ALSO BE IMPLEMENTED.

C. Treatment Plants

1. Have the influent and effluent flow meters been calibrated in the last year? ☒ Yes ☐ No

Influent flow meter calibration dates(s):	Effluent flow meter calibration date(s):
11/20/03, 5/5/04	11/24/03, 5/10/04 / 11/20/03, 5/19/04

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

1. TRICKLING FILTERS #5-8, STRUCTURAL FAILURE
2. BAR SCREEN ON THE GRAVITY MAIN DAMAGED
3. TRICKLING FILTERS #1-4, DAMAGED GEAR BOX & VFD
4. PRIMARY EFFLUENT PUMP VFD AND CHECK VALVE FAILURE

3. Is your community presently involved in formal planning for treatment facility upgrading?

☐ Yes ☒ No If yes, describe:

D. Preventive Maintenance

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

☒ Yes ☐ No If yes, describe:

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

2. 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

3. Are these preventive maintenance tasks, as well as equipment problems, being recorded and filed so future maintenance problems can be assessed properly? ☒ Yes ☐ No

E. Sewer Use Ordinance

1. 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 from industries, commercial users, and residences?

☒ Yes ☐ No If yes, 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, chemicals and toxic substances.

2. Has it been necessary to enforce? ☒ Yes ☐ No If yes, describe:

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

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

NO

Facility Name | LA0036412 SOUTH PLANT

POINT CALCULATION TABLE

Fill in the values from parts 1 through 7 in the columns below. Add the numbers in the left column to determine the point total that the wastewater system has generated for the previous year.

Actual Values	Actual Values	Maximum
Part 1: Influent Flow/Loadings	0	80 Points
Part 2: Effluent Quality/Plant Performance	100	100 Points
Part 3: Age of WWTT	15.0	50 Points
Part 4: Overflows and Bypasses	100	100 Points
Part 5: Ultimate Disposition of Sludge	10	100 Points
Part 6: New Development	0	30 Points
Part 7: Operator Certification Training	0	100 Points

TOTAL POINTS 225

ATTACHMENT 3

SAMPLE MWPP RESOLUTION

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

1. Reviewed 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 Water Discharge Permit System (LWDPS) number LA0036412.

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

   a. CURRENTLY, WE ARE OPERATING UNDER A CONSENT DECREE WHICH BECAME EFFECTIVE MARCH 14, 2002.

   b. IMPLEMENTATION OF AGGRESSIVE PROCESS CONTROL STRATEGIES RECOMMENDED BY LOUISIANA STATE UNIVERSITY CIVIL & ENVIRONMENTAL ENGINEERING DEPARTMENT.

   c. A PROJECT IS UNDERWAY TO REDUCE THE HIGH CONCENTRATION OF HYDROGEN SULFIDE (H_2S).

   d.

   etc.

Passed by a (majority)/unanimous (circle one) vote of the CITY/PARISH METROPOLITAN COUNCIL, Resolution 43483 on August 11, 2004 (date).

Brian Mayers
Council Administrator/Treasurer
CLERK

ADOPTED
METROPOLITAN COUNCIL

AUG 1 1 2004

892 RESOLUTION 43483

COUNCIL ADMINISTRATOR TREASURER

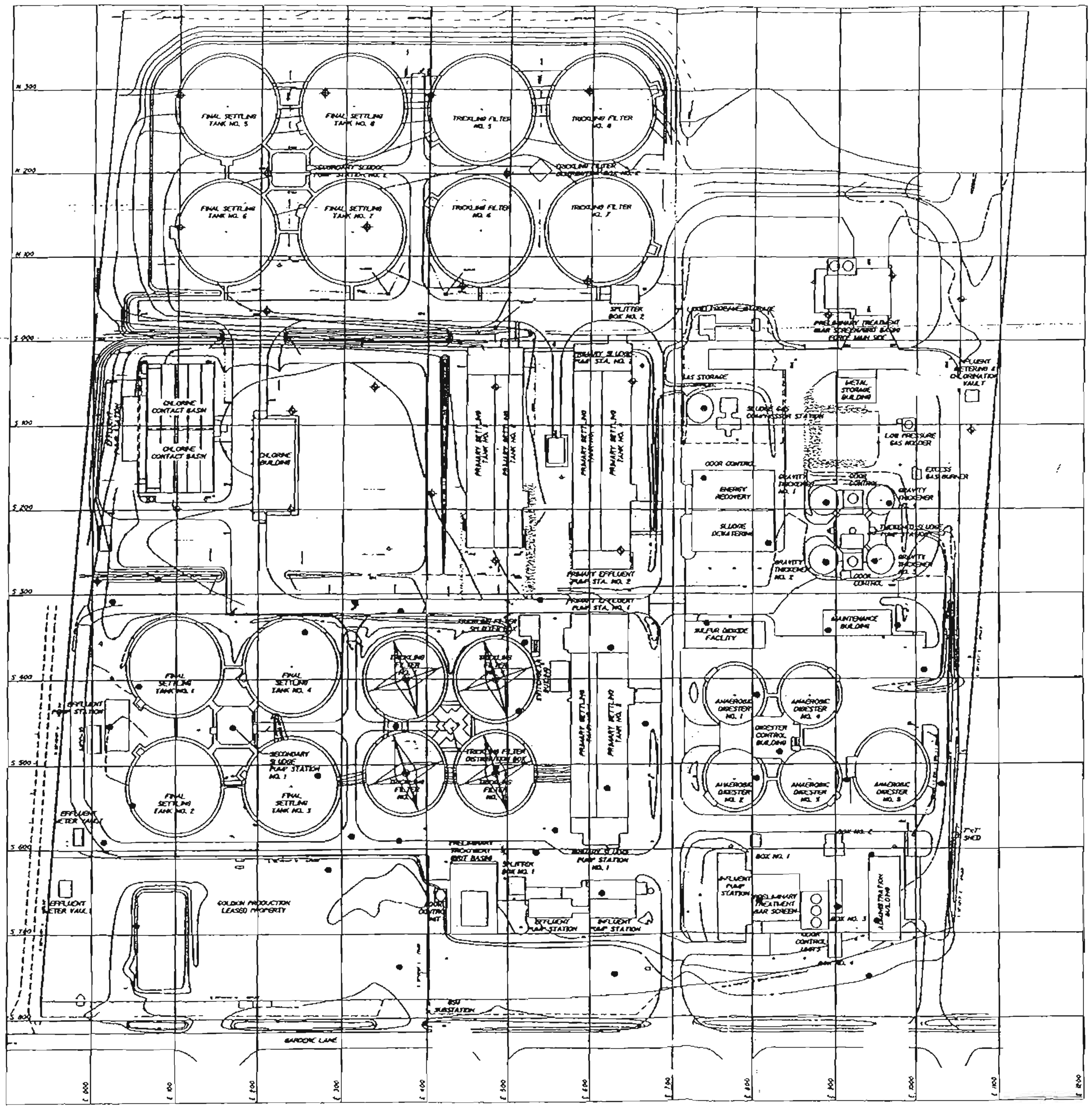
REQUESTING APPROVAL FOR SUBMITTAL OF THE LOUISIANA MUNICIPAL WATER POLLUTION PREVENTION (MWPP) ENVIRONMENTAL AUDIT REPORT FOR THE SOUTH WASTEWATER TREATMENT PLANT TO THE DEPARTMENT OF ENVIRONMENTAL QUALITY (DEQ) FOR THE MONITORING PERIOD OF JUNE 1, 2003 THROUGH MAY 31, 2004.

BE IT RESOLVED by the Metropolitan Council of the Parish of East Baton Rouge and City of Baton Rouge that the submittal of the Louisiana Municipal Water Pollution Prevention (MWPP) Environmental Audit Report for the South Wastewater Treatment Plant to the Department of Environmental Quality (DEQ) for the monitoring period of June 1, 2003 through May 31, 2004, is hereby approved.

CERTIFIED
A TRUE COPY

AUG 1 3 2004

COUNCIL ADMINISTRATOR



1" = 60'

LEGEND

△ TBM TEMPORARY BENCHMARK ELEV 52.27 WEST SIDE OF SLAB FOR TRICKLING FILTER NO. 2.

● BORINGS DRILLED IN 1960, 1973 AND 1983

⊕ BORINGS DRILLED IN 1986

⊕ BORINGS DRILLED IN 1994

GENERAL NOTES

1. LOCATION ELEVATIONS, AND DIMENSIONS OF EXISTING UTILITIES, STRUCTURES, AND OTHER FEATURES ARE SHOWN ACCORDING TO THE BEST INFORMATION AVAILABLE AT THE TIME OF PREPARATION OF THESE PLANS, BUT DO NOT PURPORT TO BE ABSOLUTELY CORRECT. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL VERIFY AND AGREE TO BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES THAT OCCUR DUE TO CONSTRUCTION OPERATIONS. ANYTHING NOT SHOWN ON THESE DRAWINGS SHOULD BE BROUGHT TO THE ATTENTION OF THE ENGINEER AND SHALL NOT CONSTITUTE AN EXTRA, UNLESS APPROVED BY THE ENGINEER.

2. THE CONTRACTOR SHALL CONTACT THE ENGINEER'S OFFICE IMMEDIATELY CONCERNING ANY CONFLICTS ARISING DURING CONSTRUCTION OF ANY IMPROVEMENTS SHOWN ON THESE DRAWINGS.

3. THE CONTRACTOR SHALL REPLACE ALL PAVING, STABILIZED EARTH, CURBS, DRIVEWAYS, SIDEWALKS, ETC., WITH THE SAME TYPE OF MATERIAL AND TO THE SAME CONDITION THAT WAS REMOVED OR DISTURBED DURING CONSTRUCTION AT NO ADDITIONAL COST TO THE OWNER.

4. ALL PROSPECTIVE BIDDERS ARE DIRECTED, PRIOR TO BIDDING, TO CONDUCT WHATEVER INVESTIGATIONS THEY MAY DEEM NECESSARY TO ARRIVE AT THEIR OWN CONCLUSION REGARDING THE ACTUAL CONDITIONS THAT WILL BE ENCOUNTERED, AND UPON WHICH THEIR BIDS WILL BE BASED.

5. TOPOGRAPHIC INFORMATION SHOWN WAS PROVIDED BY PROFESSIONAL ENGINEERING CONSULTANTS (PEC), SIMMONS & BARRY & ASSOC. (SJB) OR FERRIS ENGINEERING & SURVEYING.

6. FINISHED GRADE FOR GROUND ELEVATIONS ON DRAWINGS REFER TO GRADE AFTER SODDING.

7. SPECIAL PIPE FOUNDATIONS, IF REQUIRED, SHALL BE DETERMINED IN THE FIELD AND THE TYPE REQUIRED WILL BE AS DIRECTED BY THE ENGINEER.

8. ALL PRESSURE PIPE JOINTS AND FITTINGS 4 INCHES IN DIAMETER AND LARGER SHALL HAVE RESTRAINED JOINTS IN ACCORDANCE WITH THE SPECIFICATIONS.

9. ALL FITTINGS 6 INCHES AND LARGER ON GRAVITY LINES SHALL HAVE RESTRAINED JOINTS IN ACCORDANCE WITH THE SPECIFICATIONS.

10. PIPES UNDERNEATH STRUCTURES AND SLABS SHALL HAVE 6 INCHES MINIMUM CONCRETE ENCASEMENT FOR PIPES 24 INCHES AND SMALLER, 8 INCHES MINIMUM CONCRETE ENCASEMENT FOR PIPES LARGER THAN 24 INCHES AND UP TO AND INCLUDING 36 INCHES, AND 8 INCHES MINIMUM CONCRETE ENCASEMENT FOR PIPES LARGER THAN 36 INCHES. CONCRETE ENCASEMENT SHALL EXTEND A MINIMUM OF 12 INCHES PAST EDGE OF STRUCTURE OR SLAB. (SEE NOTE 11 FOR REINFORCEMENT REQUIREMENTS)

11. PIPING INSTALLED UNDERNEATH STRUCTURES AND ENCASED IN CONCRETE SHALL HAVE THE FOLLOWING REINFORCEMENT:

A. PROVIDE #5's AT 12" C/C LONGITUDINALLY, WITH #5 STIRRUP BANDS AT 12" C/C.

B. SHOULD T.O.C. ENCASEMENT FALL WITHIN 3" FROM UNDERSIDE OF SLAB, THE STIRRUP BAND SHALL DOWEL INTO SLAB.

C. IF T.O.C. OF ENCASEMENT IS LOWER THAN 3" FROM UNDERSIDE OF SLAB, ENCASEMENT WILL BE A SEPARATE SECTION.

D. CONCRETE THICKNESS ENCASING THE PIPE IS 6" MINIMUM.

E. REINFORCED CONCRETE ENCASEMENT SHALL EXTEND BEYOND THE OUTER FACE OF THE STRUCTURE AND SHALL TERMINATE AT THE FIRST JOINT WITHIN THE LENGTH OF THE PIPE.

12. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ACTUAL TIE-IN CONNECTIONS TO ALL WATER, RECLAIMED WATER, WASTEWATER, NATURAL GAS AND OTHER LINES AS INDICATED ON THE DRAWINGS.

△ 13. ALL FITTINGS FOR PVC/DI 3" IN DIAMETER AND LARGER SHALL BE CAST IRON/DUCTILE IRON, SHORT BODY WITH MECHANICAL JOINTS, WITH HIGH STRENGTH CORTEN CORROSION RESISTANT T-HEAD BOLTS, SUBJECT TO THE APPROVAL OF THE ENGINEER.

14. ALL GATE VALVES, WHERE SPECIFIED, FOR SIZES 4" THROUGH 12" SHALL BE RESILIENT SEATED GATE VALVES IN CONFORMANCE WITH THE SPECIFICATIONS.

15. SOILS EXPLORATION WORK FOR THIS PROJECT WAS PERFORMED BY LOUIS J. CAPOZZOLI & ASSOCIATES. SOIL EXPLORATION WORK IS SOLELY TO ASSIST BIDDERS IN ASSESSING THE NATURE AND EXTENT OF TESTING PROCEDURES REQUIRED TO MAKE THEIR OWN DETERMINATION OF ACTUAL CONDITIONS WHICH WILL BE ENCOUNTERED DURING THE COURSE OF THE WORK. NO REPRESENTATION IS MADE OR WILL BE GIVEN BY THE ENGINEER CONCERNING ACTUAL CONDITIONS WHICH WILL BE ENCOUNTERED DURING THE COURSE OF THIS WORK AND BIDDERS ARE DIRECTED, PRIOR TO BIDDING, TO CONDUCT WHATEVER INVESTIGATIONS THEY DEEM NECESSARY TO ARRIVE AT THEIR OWN CONCLUSION REGARDING SUCH CONDITIONS.

16. DURING EXCAVATIONS, CONTRACTOR SHALL: AS A MINIMUM COMPLY WITH THE OSHA EXCAVATION SAFETY STANDARDS INCLUDING OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION EXCAVATION SAFETY STANDARD 29 CFR 1926.650 SUBPART P AS AMENDED.

17. ALL FILL SHALL BE COMPACTED TO 90% OF ITS MAXIMUM MODIFIED PROCTOR DRY DENSITY IN ACCORDANCE WITH THE SPECIFICATIONS IN THE GEOTECHNICAL REPORT FOR COMPACTION OF CLAY SOILS. THE CLAY SHALL BE A CL MATERIAL.

18. MECHANICAL JOINTS SHOWN ON THE PLANS MAY, AT THE CONTRACTOR'S OPTION, BE SUBSTITUTED WITH PUSH-ON JOINT PIPE. ALL RESTRAINTS, THRUST BLOCKS AS SPECIFIED OR NOTED ON THE DRAWINGS STILL APPLY, REGARDLESS OF PIPE JOINTS TYPE USED.

19. LOCATIONS ARE TO OUTSIDE CORNER OF STRUCTURES OR CENTER OF MANHOLES OR OTHER CIRCULAR STRUCTURES UNLESS NOTED OTHERWISE.

STATE OF LOUISIANA
AUSTIN S. HAYDEL JR.
REG. No. 25321
PROFESSIONAL ENGINEER
CIVIL ENGINEERING

CAMP DRESSER & McKEE INC. CDM

PROFESSIONAL ENGINEERING CONSULTANTS

PHASE-IIIB

SWWTP-EXISTING SITE PLAN

CITY OF BATON ROUGE / PARISH OF EAST BATON ROUGE

PROJECT NO. 24340/1/2

SHEET NO. CS-1

Department of Public Works

City of Baton Rouge
Parish of East Baton Rouge

Post Office Box 1471
Baton Rouge, Louisiana
70821

COPY

October 18, 2004

Department of Environmental Quality
Office of Water Resources
ATTN: Permits
Post Office Box 82215
Baton Rouge, Louisiana 70884-2215

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

LPDES PERMIT NUMBER:
LA0036421 AI# 4842

Dear Sirs:

As required by your office, we are submitting the annual Municipal Water Pollution Prevention Environmental Audit report along with the MWPP Resolution. This report represents our Central Wastewater Treatment Plant for the monitoring period of September 1, 2003 through August 31, 2004.

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

Sincerely yours,

Fred E. Raiford III
FOR Director of Public Works

FR/MO/pas

xc: Jeff Broussard, PE, Deputy Director
Richard Wright, PE IV, SOGA
Robert Groht, Jr., Wastewater Treatment Plant Manager
Bob Wilks, Wastewater Treatment Process Control Supervisor
Walter Jenkins, Assistant WW Treatment Plant Manager
Garcia Dialekwa, Wastewater Laboratory Supervisor

Attachment(s):

LOUISIANA

MUNICIPAL WATER POLLUTION PREVENTION

MWPP

Facility Name:	CENTRAL PLANT
LWDPS Permit Number:	
NPDES Permit Number:	LA0036421
Address:	2443 RIVER ROAD
	BATON ROUGE
	LOUISIANA
Parish:	EAST BATON ROUGE
(Person Completing Form) Name:	CHARLES M. O'BRIEN
Title:	ASSISTANT WW LAB SUPERVISOR
Date Completed:	OCTOBER 18, 2004

Instructions to the Operator-in-Charge

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 their 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. The resolution must indicate <u>specific</u> 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.

Facility Name CENTRAL PLANT

PART 1: INFLUENT FLOW/LOADINGS

Part 1: Influent Flow/Loadings (All plants)

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

Col. 1 Average Monthly Flow (million gallons per day, MGD)		Col. 2 Average Monthly BOD_5 Concentration (mg/l)		Col. 3 Average Monthly BOD_5 Loading (pounds per day)
10.72	X	128	X 8.34 =	11,444
9.25	X	143	X 8.34 =	11,032
10.42	X	141	X 8.34 =	12,253
9.59	X	147	X 8.34 =	11,757
11.19	X	121	X 8.34 =	11,292
18.64	X	79	X 8.34 =	12,281
11.24	X	133	X 8.34 =	12,468
10.43	X	125	X 8.34 =	10,873
16.68	X	90	X 8.34 =	12,520
14.02	X	126	X 8.34 =	14,733
10.53	X	110	X 8.34 =	9,660
8.91	X	132	X 8.34 =	9,809

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 Manual (O & M) or contact your consulting engineer.

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

Facility Name CENTRAL PLANT

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

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

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

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

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

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

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

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

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

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

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

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

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

TOTAL POINT VALUE FOR PART 1 [0] **(max=80)**

Also enter this value on the point calculation table on page 16.

Facility Name: CENTRAL PLANT

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 Avg. Monthly BOD (mg/l)	Column 2 Avg. Monthly TSS (mg/l)
SEPTEMBER	16	15
OCTOBER	17	15
NOVEMBER	17	17
DECEMBER	25	18
JANUARY	24	19
FEBRUARY	24	21
MARCH	22	17
APRIL	23	18
MAY	18	17
JUNE	18	15
JULY	17	13
AUGUST	16	14

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

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

Facility Name: CENTRAL PLANT

C. Continuous Discharge to Surface Water

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

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

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

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

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

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

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

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

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

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

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

Write 0, 5, or 10 in the iv point total box [0] 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 [0] **(max=100)**

Also enter this value on the point calculation table on page 16.

Facility Name CENTRAL PLANT

D. Other Monitoring and Limits

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, residual chlorine, or fecal coliform?

✓ Check one box ☐ Yes ☒ No If yes, please describe:

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

✓ Check one box ☐ Yes ☒ No If yes, please describe:

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

✓ Check one box ☐ Yes ☒ No If yes, please describe:

Facility Name: CENTRAL PLANT

PART 3: AGE OF THE WASTEWATER TREATMENT FACILITIES

A. What year was the wastewater treatment plant constructed or last major expansion/improvements completed? 1998

Current Year - (Answer to A) = Age in years

2004 - 1998 = 6 years

Enter Age in Part C below.

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

		Factor
X	Mechanical Treatment Plant (Trickling filter, activated sludge, etc.) Specify Type _____	2.5
_____	Aerated Lagoon	2.0
_____	Stabilization Pond	1.5
_____	Other (Specify) _____	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 of Part 3:

TOTAL POINT VALUE FOR PART 3 = 2.5 (FACTOR) x 6 (AGE) = 15 **(max = 50)**

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

D. Please attach a schematic of the treatment plant.

Facility Name: CENTRAL PLANT

PART 4: OVERFLOWS AND BYPASSES

A. (1) 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: 22

(Circle One) 0 = 0 points 1 = 5 points 2 = 10 points
3 = 15 points 4 = 30 points (5 or more = 50 points)

(2) List the number of bypasses, overflows, or unpermitted discharges shown in A (1) that were within the collection system and the number at the treatment plant.

Collection System 22 Treatment Plant 0

B. (1) List the number of times in the last year there was a bypass or overflow 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

(Circle One) 0 = 0 points 1 = 5 points 2 = 10 points
3 = 15 points 4 = 30 points (5 or more = 50 points)

(2) List the number of bypasses or overflows shown in B (1) 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 or village sewer system or from contract or tributary communities/sanitary districts, etc.

D. Add the point values circled 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 on the point calculation table on page 16.

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

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

Describe the procedure for gathering, compiling, and reporting:

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

Facility Name: CENTRAL PLANT

PART 5: SLUDGE STORAGE AND DISPOSAL SITES

A. Sludge Storage

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

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

months	<2	2	3	(4 to 5)	>6	months
points	50	30	20	(10)	0	points

Write 0, 10, 20, 30, or 50 in the A point total box [10] A Point Total

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

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

months	<2	6 to 11	12 to 23	24 to 35	(>36)	months
points	50	30	20	10	(0)	points

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 this sum in the box below at the right:

TOTAL POINT VALUE FOR PART 5 [10] **(max=100)**

Also enter this value on the point calculation table on page 16.

Facility Name: CENTRAL PLANT

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_5: 190 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)?

(Circle One) (No = 0 points) Yes = 15 points

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?

(Circle One) (No = 0 points) Yes = 15 points

Describe: _____

List any new pollutants that you anticipate: _____

D. Add together the point value circled in B and C and place the sum in the blank below.

TOTAL POINT VALUE FOR PART 6 [0] **(max = 30)**

Also enter this value on the point calculation table on page 16.

Facility Name: CENTRAL PLANT

PART 7: OPERATOR CERTIFICATION AND EDUCATION

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

B. What is his/her certification number? #10-549 Cert. #

C. What level of certification is the operator-in-charge required to have to operate the wastewater treatment plant? Wastewater Trmt. IV Level Required

D. What is the level of certification of the operator-in-charge? Wastewater Trmt. IV Level Certified

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 or more = 0 points ☐ Less than 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 and training for wastewater treatment plant employees? ✓ Check one box ☒ yes ☐ no

Explain:

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

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

By the permittee? 100%

By the operator? 0%

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

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

Also enter this value on the point calculation table on page 16.

Facility Name: CENTRAL PLANT

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 being financed?
Explain:

SAME AS B.

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

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

Facility Name: CENTRAL PLANT

PART 9: SUBJECTIVE EVALUATION

A. Collection System Maintenance

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

SEE ATTACHMENT

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

Replacement and repairs of the Force Main on the discharge side of the pump station up to the 4' level of the existing gravity lines and routine maintenance work.

3. What collection system improvements does the community have under consideration for the next 5 years?

SEE ATTACHMENT

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

1. Do you have duckweed buildup in your ponds? ☐ Yes ☐ No
2. Do you mow your dikes regularly (at least monthly), to the waters edge? ☐ Yes ☐ No
3. Do you have bushes or trees growing on the dikes or in the ponds? ☐ Yes ☐ No
4. Do you have excess sludge buildup (> 1 foot) on the bottom of any of your ponds? ☐ Yes ☐ No
5. Do you exercise all of your valves? ☐ Yes ☐ No
6. Are your control manholes in good structural shape? ☐ Yes ☐ No
7. Do you maintain at least three feet of freeboard in all your ponds? ☐ Yes ☐ No
8. Do you visit your pond system, at least weekly? ☐ Yes ☐ No

LA0036421 CENTRAL PLANT

LA MWPP ENVIRONMENTAL AUDIT

PART 9: SUBJECTIVE EVALUATION

A1. AS PART OF THE CONSENT DECREE, OPERATION AND MAINTENANCE OF THE CENTRAL TREATMENT PLANT COLLECTION AREA IS PERFORMED AND REPORTED ON A QUARTERLY BASIS. THE FOLLOWING TABLE IS A BREAKDOWN/SUMMARY OF ACTIVITIES PERFORMED WITHIN THE CENTRAL TREATMENT PLANT COLLECTION SYSTEM AREA DURING THE REPORTING PERIOD.

CENTRAL TREATMENT AREA
MONITORING PERIOD (9/03 – 8/04)

LINE CLEANING	41%
CCTV INSPECTIONS	35%
SMOKE TESTING	29%
DYE TESTING	2%
MANHOLE INSPECTION	15%
LINE REPAIRED	3%
MANHOLE REHABILITATION	2.4%
FORCEMAIN-INSPECTIONS	17%
REPAIRED	47%
AIR RELEASE VALVES-INSPECTIONS	93%
REPAIRED	22%
WET WELL CLEANED	616%
PUMP STATIONS-REPAIRED	56%

A3. DURING THE NEXT 5 YEARS APPROXIMATELY 5 PROJECTS IN THE CENTRAL TREATMENT PLANT COLLECTION AREA (RELATED TO THE SSO CONSENT DECREE PROGRAM) ARE SCHEDULED TO BE IMPLEMENTED. THE PROJECTS WILL INCLUDE PUMPSTATION UPGRADES, FORCEMAIN IMPROVEMENTS, GRAVITY SEWERS, STORAGE AND WET WEATHER TREATMENT FACILITIES. ADDITIONALLY, ANNUAL CONTRACTS FOR SEWER REHABILITATION INCLUDING LINING, POINT REPAIR, UPSIZING, AND OTHER REHABILITATION METHODS WILL ALSO BE IMPLEMENTED.

Facility Name | CENTRAL PLANT

C. Treatment Plants

1. Have the influent and effluent flow meters been calibrated in the last year? ☐ Yes ☐ No

Influent flow meter calibration dates(s):	Effluent flow meter calibration date(s):
10-23-03 & 05-24-04	03-02-04

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

NONE

3. Is your community presently involved in formal planning for treatment facility upgrading?

☐ Yes ☒ No If yes, describe:

Facility Name: CENTRAL PLANT

D. Preventive Maintenance

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

☒ Yes ☐ No If yes, describe:

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

2. Does this preventive maintenance program depict frequency of intervals, types of lubrication, a other preventive maintenance tasks necessary for each piece of equipment? ☒ Yes ☐ No

3. Are these preventive maintenance tasks, as well as equipment problems, being recorded and file so future maintenance problems can be assessed properly? ☒ Yes ☐ No

E. Sewer Use Ordinance

1. 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 from industries, commercial users, and residences?

☒ Yes ☐ No If yes, describe: (Yes is for industries and commercial users.)

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, chemicals and toxic substances.

2. Has it been necessary to enforce? ☒ Yes ☐ No If yes, describe:

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

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

NO

Facility Name: CENTRAL PLANT

POINT CALCULATION TABLE

Fill in the values from parts 1 through 7 in the columns below. Add the numbers in the left column to determine the point total that the wastewater system has generated for the previous year.

Actual Values	Actual Values	Maximum
Part 1: Influent Flow/Loadings	0	80 Points
Part 2: Effluent Quality/Plant Performance	0	100 Points
Part 3: Age of WWTT	15	50 Points
Part 4: Overflows and Bypasses	100	100 Points
Part 5: Ultimate Disposition of Sludge	10	100 Points
Part 6: New Development	0	30 Points
Part 7: Operator Certification Training	0	100 Points

TOTAL POINTS: 125

ATTACHMENT 3

SAMPLE MWPP RESOLUTION

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

1. Reviewed 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 Water Discharge Permit System (LWDPS) number LA0035421 AI#4842.

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

   a. CURRENTLY, WE ARE OPERATING UNDER A CONSENT DECREE WHICH BECAME EFFECTIVE MARCH 14, 2002.

   b.

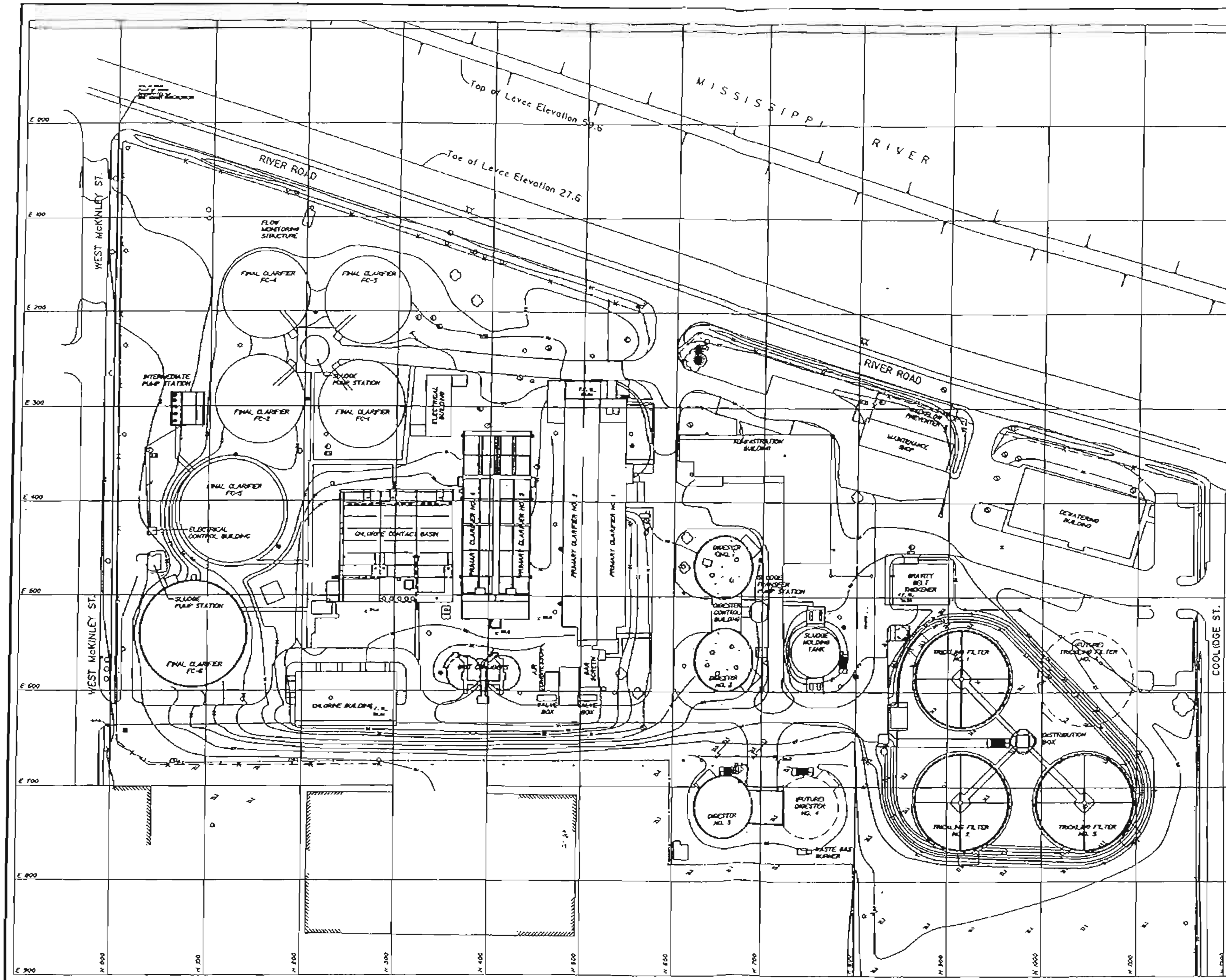
   c.

   d.

   etc.

Passed by a majority/unanimous (circle one) vote of the CITY/PARISH METROPOLITAN COUNCIL, on OCTOBER 27, 2004 (date).

Brian Mayers
Council Administrator/Treasurer
CLERK



N

1" = 50'

25 0 50

LEGEND:

△ TBM TEMPORARY BENCHMARK ELEV 52.27 WEST SIDE OF SLAB FOR TRICKLING FILTER NO. 2.

GENERAL NOTES:

1. LOCATION ELEVATIONS, AND DIMENSIONS OF EXISTING UTILITIES, STRUCTURES, AND OTHER FEATURES ARE SHOWN ACCORDING TO THE BEST INFORMATION AVAILABLE AT THE TIME OF PREPARATION OF THESE PLANS, BUT DO NOT PURPORT TO BE ABSOLUTELY CORRECT. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL VERIFY AND AGREE TO BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES THAT OCCUR DUE TO CONSTRUCTION OPERATIONS. ANYTHING NOT SHOWN ON THESE DRAWINGS SHOULD BE BROUGHT TO THE ATTENTION OF THE ENGINEER AND SHALL NOT CONSTITUTE AN EXTRA, UNLESS APPROVED BY THE ENGINEER.

2. THE CONTRACTOR SHALL CONTACT THE ENGINEER'S OFFICE IMMEDIATELY CONCERNING ANY CONFLICTS ARISING DURING CONSTRUCTION OF ANY IMPROVEMENTS SHOWN ON THESE DRAWINGS.

3. THE CONTRACTOR SHALL REPLACE ALL PAVING, STABILIZED EARTH, CURBS, DRIVEWAYS, SIDEWALKS, ETC., WITH THE SAME TYPE OF MATERIAL AND TO THE SAME CONDITION THAT WAS REMOVED OR DISTURBED DURING CONSTRUCTION AT NO ADDITIONAL COST TO THE OWNER.

4. ALL PROSPECTIVE BIDDERS ARE DIRECTED, PRIOR TO BIDDING, TO CONDUCT WHATEVER INVESTIGATIONS THEY MAY DEEM NECESSARY TO ARRIVE AT THEIR OWN CONCLUSION REGARDING THE ACTUAL CONDITIONS THAT WILL BE ENCOUNTERED, AND UPON WHICH THEIR BIDS WILL BE BASED.

5. TOPOGRAPHIC INFORMATION SHOWN WAS PROVIDED BY PROFESSIONAL ENGINEERING CONSULTANTS (PEC), SIMMONS & BARRY & ASSOC. (S&B) OR FERRIS ENGINEERING & SURVEYING.

6. FINISHED GRADE FOR GROUND ELEVATIONS ON DRAWINGS REFER TO GRADE AFTER SODDING.

7. SPECIAL PIPE FOUNDATIONS, IF REQUIRED, SHALL BE DETERMINED IN THE FIELD AND THE TYPE REQUIRED WILL BE AS DIRECTED BY THE ENGINEER.

8. ALL PRESSURE PIPE JOINTS AND FITTINGS 4 INCHES IN DIAMETER AND LARGER SHALL HAVE RESTRAINED JOINTS IN ACCORDANCE WITH THE SPECIFICATIONS.

9. ALL FITTINGS 6 INCHES AND LARGER ON GRAVITY LINES SHALL HAVE RESTRAINED JOINTS IN ACCORDANCE WITH THE SPECIFICATIONS.

10. PIPES UNDERNEATH STRUCTURES AND SLABS SHALL HAVE 6 INCHES MINIMUM CONCRETE ENCASEMENT FOR PIPES 24 INCHES AND SMALLER, 6 INCHES MINIMUM CONCRETE ENCASEMENT FOR PIPES LARGER THAN 24 INCHES AND UP TO AND INCLUDING 36 INCHES, AND 8 INCHES MAXIMUM CONCRETE ENCASEMENT FOR PIPES LARGER THAN 36 INCHES. CONCRETE ENCASEMENT SHALL EXTEND A MINIMUM OF 12 INCHES PAST EDGE OF STRUCTURE OR SLAB. (SEE NOTE 11 FOR REINFORCEMENT REQUIREMENTS)

11. PIPING INSTALLED UNDERNEATH STRUCTURES AND ENCASED IN CONCRETE SHALL HAVE THE FOLLOWING REINFORCEMENT:

   A. PROVIDE #5's AT 12" C/C LONGITUDINALLY, WITH #5 STIRRUP BANDS AT 12" C/C.

   B. SHOULD T.O.C. ENCASEMENT FALL WITHIN 3" FROM UNDERSIDE OF SLAB, THE STIRRUP BAND SHALL DOWEL INTO SLAB.

   C. IF T.O.C. OF ENCASEMENT IS LOWER THAN 3" FROM UNDERSIDE OF SLAB, ENCASEMENT WILL BE A SEPARATE SECTION.

   D. CONCRETE THICKNESS ENCASING THE PIPE IS 6" MINIMUM.

   E. REINFORCED CONCRETE ENCASEMENT SHALL EXTEND BEYOND THE OUTER FACE OF THE STRUCTURE AND SHALL TERMINATE AT THE FIRST JOINT WITHIN THE LENGTH OF THE PIPE.

12. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ACTUAL TIE-IN CONNECTIONS TO ALL WATER, RECLAIMED WATER, WASTEWATER, NATURAL GAS AND OTHER LINES AS INDICATED ON THE DRAWINGS.

13. △ ALL FITTINGS FOR PVC/DI 3 INCH DIAMETER AND LARGER SHALL BE CAST IRON/DUCTILE IRON, SHORT BODY WITH MECHANICAL JOINTS, WITH HIGH STRENGTH CORTEN CORROSION RESISTANT T-HEAD BOLTS, SUBJECT TO THE APPROVAL OF THE ENGINEER.

14. ALL GATE VALVES, WHERE SPECIFIED, FOR SIZES 4" THROUGH 12" SHALL BE RESILIENT SEATED GATE VALVES IN CONFORMANCE WITH THE SPECIFICATIONS.

15. SOILS EXPLORATION WORK FOR THIS PROJECT WAS PERFORMED BY LOUIS J. CAPOZZOLI & ASSOCIATES. SOIL EXPLORATION WORK IS SOLELY TO ASSIST BIDDERS IN ASSESSING THE NATURE AND EXTENT OF TESTING PROCEDURES REQUIRED TO MAKE THEIR OWN DETERMINATION OF ACTUAL CONDITIONS WHICH WILL BE ENCOUNTERED DURING THE COURSE OF THE WORK. NO REPRESENTATION IS MADE OR WILL BE GIVEN BY THE ENGINEER CONCERNING ACTUAL CONDITIONS WHICH WILL BE ENCOUNTERED DURING THE COURSE OF THIS WORK AND BIDDERS ARE DIRECTED, PRIOR TO BIDDING, TO CONDUCT WHATEVER INVESTIGATIONS THEY DEEM NECESSARY TO ARRIVE AT THEIR OWN CONCLUSION REGARDING SUCH CONDITIONS.

16. DURING EXCAVATIONS, CONTRACTOR SHALL:
AS A MINIMUM, COMPLY WITH THE OSHA EXCAVATION SAFETY STANDARDS INCLUDING OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION EXCAVATION SAFETY STANDARD 29 CFR 1926.650 (SUBPART P AS AMENDED)

17. ALL FILL SHALL BE COMPACTED TO 90% OF ITS MAXIMUM MODIFIED PROCTOR DRY DENSITY IN ACCORDANCE WITH THE SPECIFICATIONS IN THE GEOTECHNICAL REPORT FOR COMPACTION OF CLAY SOILS. THE CLAY SHALL BE A CL MATERIAL.

18. MECHANICAL JOINTS SHOWN ON THE PLANS MAY, AT THE CONTRACTORS OPTION, BE SUBSTITUTED WITH PUSH-ON JOINT PIPE. ALL RESTRAINTS, THRUST BLOCKS AS SPECIFIED OR NOTED ON THE DRAWINGS STILL APPLY, REGARDLESS OF PIPE JOINTS TYPE USED.

19. LOCATIONS ARE TO OUTSIDE CORNER OF STRUCTURES OR CENTER OF MANHOLES OR OTHER CIRCULAR STRUCTURES UNLESS NOTED OTHERWISE.

STATE OF LOUISIANA
JUSTIN S. HAYDEL JR.
REG. No. 25321
PROFESSIONAL ENGINEER
CIVIL ENGINEERING

NO.	DATE	APPR.	CHKD.	REMARKS
△	1/10	[illegible]	[illegible]	ADDENDUM 1

DESIGNED BY: J. STEBLEY
CHECKED BY: T. STAGG
P.M.: CC-E3-PL
DRAWN BY: J. HAYDEL
APPROVED BY: J. HAYDEL
DATE: JUNE, 1999

CAMP DRESSER & McKEE INC. CDM
IN ASSOCIATION WITH
RUSS ENGINEERING
PROFESSIONAL ENGINEERING CONSULTANTS

PHASE-IIIB
CWWTP-EXISTING SITE PLAN
CITY OF BATON ROUGE / PARISH OF EAST BATON ROUGE

PROJECT NO.
2434O/1/2
SHEET NO.
CC-1

Appendix C

MEMORANDUM

MWH
MONTGOMERY WATSON HARZA

To:	Kent Mudd	**Date:**	January 26, 2004
cc:	Bill McHie	**File No.**	SSO 4.7
From:	Jarrod Tramonte / Chris Young		
Subject:	Environmental Results Monitoring Program Phase I, Quarter 5 Results		

On December 29, 2003, the City of Baton Rouge, Parish of East Baton Rouge (City/Parish) conducted the fifth quarterly Phase I Baseline Monitoring event, as required by the 2002 Consent Decree. The purpose of this memorandum is to characterize the rain event, summarize the sampling procedures, and report laboratory analysis results. Background information regarding the purpose and procedures of the Environmental Results Monitoring (ERM) program can be found in the ERM Plan (Exhibit G to the Consent Decree).

RAIN EVENT

Rain data was recorded at USGS monitoring stations located upstream of each of the designated sample locations. The locations of the observed USGS monitoring stations are shown in Figure 1 along with sample site locations.

Rainfall data from the December 29 event is summarized graphically in Figure 2. As shown in Figure 2, this was a short-duration, high-intensity event, with peak intensity occurring between 8 a.m. and 9 a.m. The end of rainfall occurred at approximately 1 p.m. A summary of the rainfall at each sample site at the time of sample collection is provided in Table 1.

Table 1. Sample Time/Rainfall Summary for Phase 1, Quarter 5

Location	Sample Time	Total Rainfall (in)	Peak Intensity (in/hr)
1 - Greenwell Springs Rd. & Comite River	4:10 p.m.	1.38	1.84
2 - O'Neal Ln. & Jones Creek	4:35 p.m.	1.62	1.40
3 - Highland Rd & Ward Creek	4:10 p.m.	1.53	1.20
4 - Grand Lakes Dr. & Bayou Fountain	3:50 p.m.	1.68	1.44

PROCEDURES

One grab sample was taken from each of the four designated sample sites between the hours of 3:50 p.m. and 4:35 p.m. Samples were drawn from the approximate center of each stream. Grab samples from each site were poured into three separate laboratory-prepared sample containers. Sample containers were labeled with sample date, time, and location name immediately following sample collection. Samples were stored on ice and delivered to the laboratory immediately following collection of the final sample.

All samples were analyzed at a local laboratory for the parameters established in the ERM plan, which include fecal coliform, fecal streptococcus, and enterococcus. Sample holding times and laboratory procedures conformed to applicable sections of the USEPA "Methods for Chemical Analysis of Water and Wastes", 1983, and ASTM "Standard Methods for Examination of Water and Wastewater", 19th Edition, 1995.

RESULTS

Results of laboratory analyses are summarized in Table 2. Further analysis of these results based on future water quality and stream flow data will be conducted upon completion of Phase I Baseline Monitoring. Gage height/elevation data from December 29, recorded at USGS stream flow monitoring stations upstream of each sample location, is presented in Figure 3. As shown in Figure 3, gage height/elevation recorded at the Comite River and Ward Creek (Main Branch) monitoring stations showed no response to the December 29 rain event.

Table 2. WQ Sampling results for Phase I, Quarter 5

	Sampling Location			
Parameter	1-Comite River	2-Jones Creek	3-Ward Creek	4-Bayou Fountain
Fecal Coliform (col/100 mL)	>1600	>1600	110	>1600
Fecal Streptococcus (col/100 mL)	ND[1]	ND[1]	ND[1]	ND[1]
Enterococcus (col/100 mL)	ND[1]	ND[1]	ND[1]	ND[1]
Total Rainfall (in)[2]	1.38	1.62	1.53	1.68
Gage Height (ft)[2]	24.0[3]	22.4	15.1 (N. Branch) 11.0 (Main Branch) 11.4 (Dawson Ck)	7.2

[1]ND = None detected (<2 colonies/100 mL)
[2]Values at time of sample collection
[3]Elevation (ft NGVD)

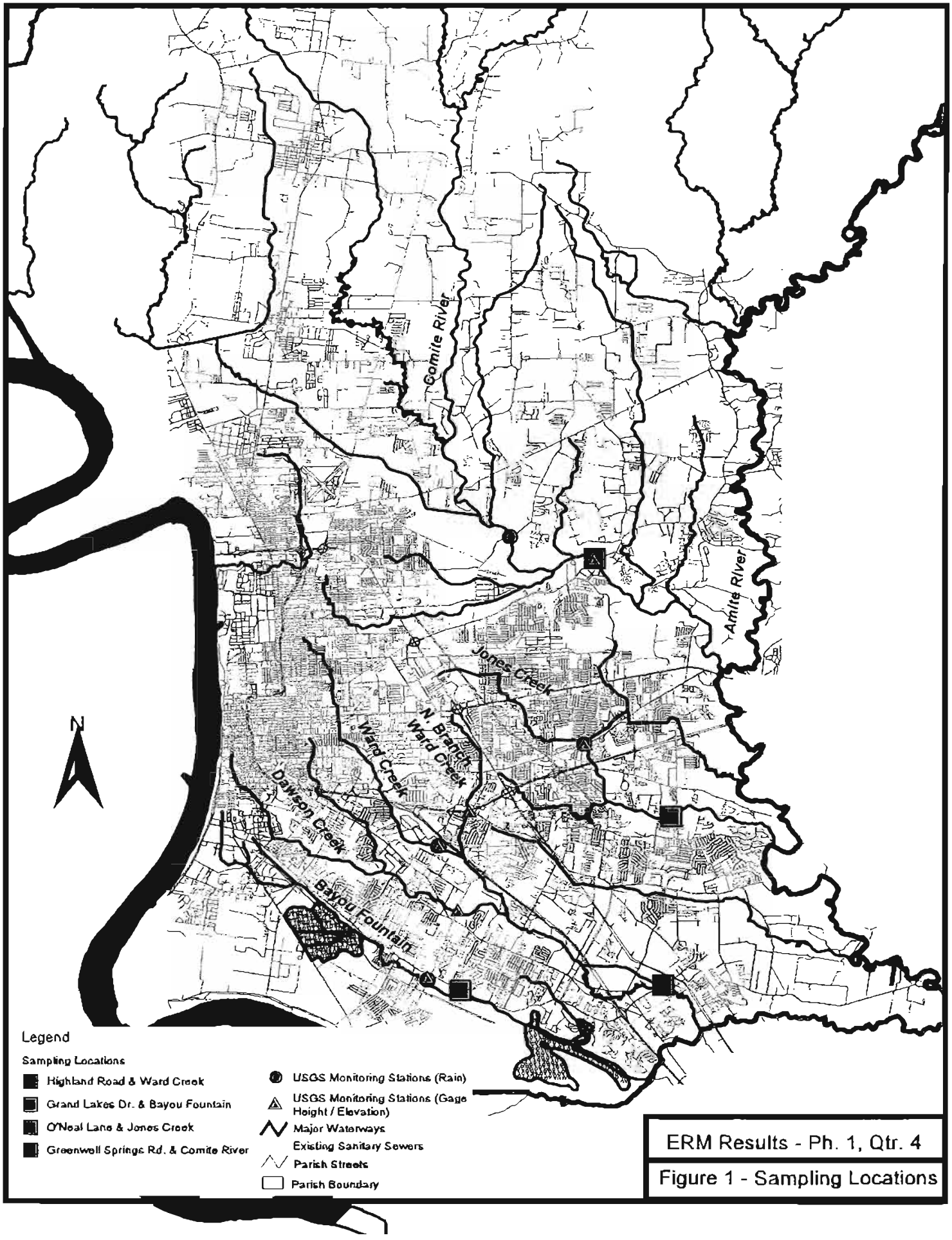

Comite River
Amite River
Jones Creek
N. Branch Ward Creek
Ward Creek
Dawson Creek
Bayou Fountain
N
Legend
Sampling Locations
Highland Road & Ward Creek
Grand Lakes Dr. & Bayou Fountain
O'Neal Lane & Jones Creek
Greenwell Springs Rd. & Comite River
USGS Monitoring Stations (Rain)
USGS Monitoring Stations (Gage Height / Elevation)
Major Waterways
Existing Sanitary Sewers
Parish Streets
Parish Boundary
ERM Results - Ph. 1, Qtr. 4
Figure 1 - Sampling Locations

Figure 2. December 29 Rainfall Summary

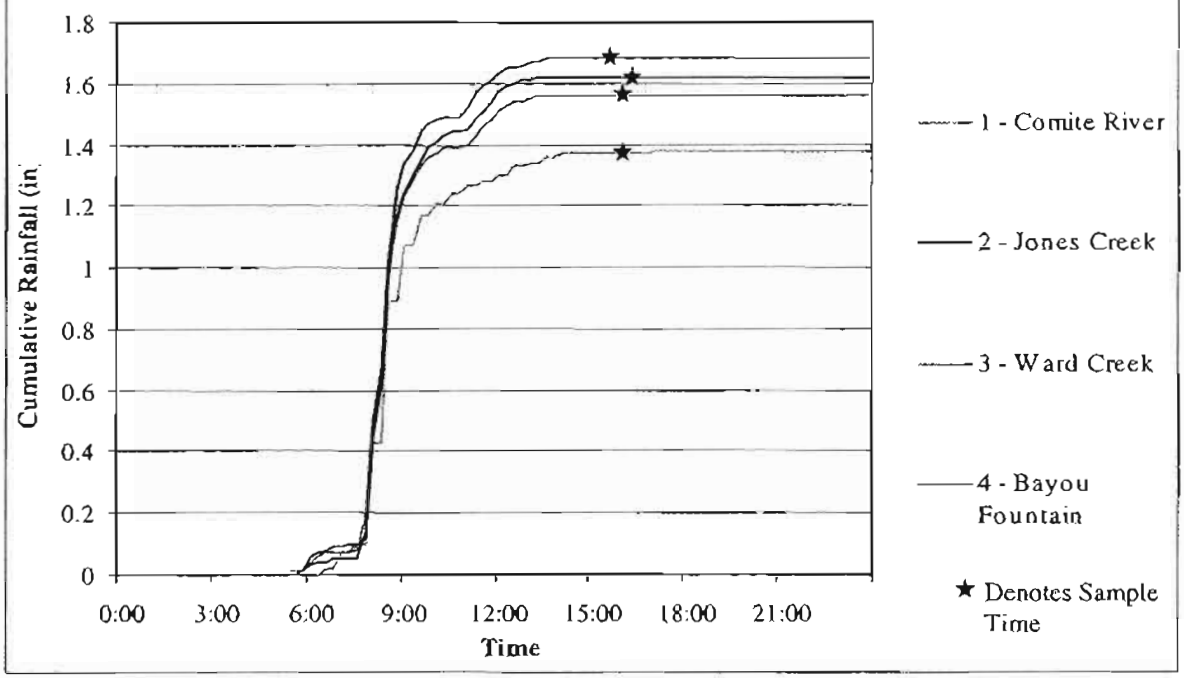
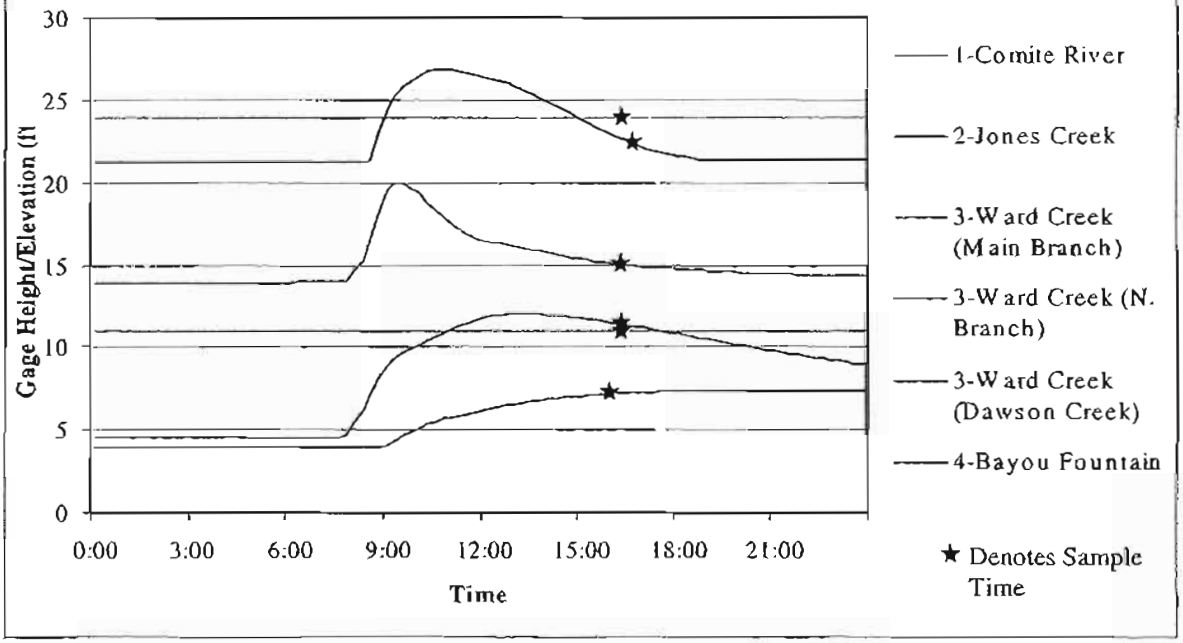


Figure 3. December 29 Gage Height/Elevation Summary



Note: Data was recorded at USGS rainfall/stream flow monitoring stations upstream of sample locations.

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RECEIVED
JAN 30 2004

Certificate of Analysis

CERTIFICATE #: 01956
DATE: JANUARY 23, 20

CONTRACTOR: MWH AMERICAS

DATE SAMPLED: 12/29/03@4:10P
DATE RECEIVED: 12/29/03@5:55P
REPORT COMPLETE 1/23/04@4:32PM

SAMPLE ID: COMITE RIVER/GREENVILLE SPRINGS RD.
LAB # 78400

LABORATORY REPORT

PARAMETER	RESULTS	UNIT	DET LIMIT/UNIT	METHOD	DATE/TIME/ANALYST
FECAL COLIFORMS	>1600	MPN/COL/100ML	1 MPN/COL/100ML	STD M 9221 E	ON:12/29@6:00P WAS OFF:12/31@6:02 M/A
STREPTOCOCCUS	ND	MPNCOL/100ML	1 MPN/COL/100ML	STD M 9230 B	12/29/03@6:30P A SMITH
ENTEROCOCCI	ND	MPNCOL/100ML	1 MPN/COL/100ML	STD M 9230 B	12/29/03@7:20P A SMITH

*EPA 1983 - METHODS FOR CHEMICAL ANALYSIS OF WATER AND WASTES, 1983.

*STD M = STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, 19TH EDITION, 1995

**OSBC - TAKEN ON SITE AT TIME OF SAMPLING.

ND = none detected

ATTEST: Carolyn Shuey

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CERTIFICATE #: 01956
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CONTRACTOR: MWH AMERICAS

DATE SAMPLED: 12/29/03@4:35P
DATE RECEIVED: 12/29/03@5:55P
REPORT COMPLETE 1/23/04@4:32PM

SAMPLE ID: JONES CREEK/O'NEAL LN.

LAB # 78401

LABORATORY REPORT

PARAMETER	RESULTS	UNIT	DET LIMIT/UNIT	METHOD	DATE/TIME/ANALYST
FECAL COLIFORMS	>1600	MPN/COL/100ML	1 MPN/COL/100ML	STD M 9221 E	ON:12/29@6:05P /AS OFF:12/31@6:07 M/A
STREPTOCOCCUS	ND	MPNCOL/100ML	1 MPN/COL/100ML	STD M 9230 B	12/29/03@6:40P A SMITH
ENTEROCOCCI	ND	MPNCOL/100ML	1 MPN/COL/100ML	STD M 9230 B	12/29/03@7:20P A SMITH

*EPA 1983 - METHODS FOR CHEMICAL ANALYSIS OF WATER AND WASTES, 1983.

*STD M = STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, 19TH EDITION, 1995

**OSBC - TAKEN ON SITE AT TIME OF SAMPLING.

ND = none detected

ATTEST: Carolyn Jones

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DATE: JANUARY 23, 20

CONTRACTOR: MWH AMERICAS

DATE SAMPLED: 12/29/03@4:10P
DATE RECEIVED: 12/29/03@5:55P
REPORT COMPLETE 1/23/04@4:32PM

SAMPLE ID: WARDS CREEK/HIGHLAND RD.

LAB # 78402

LABORATORY REPORT

PARAMETER	RESULTS	UNIT	DET LIMIT/UNIT	METHOD	DATE/TIME/ANALYST
FECAL COLIFORMS	110	MPN/COL/100ML	1 MPN/COL/100ML	STD M 9221 E	ON:12/29@6:10P /AS OFF:12/31@612P /AS
STREPTOCOCCUS	ND	MPNCOL/100ML	1 MPN/COL/100ML	STD M 9230 B	12/29/03@6:50P A SMITH
ENTEROCOCCI	ND	MPNCOL/100ML	1 MPN/COL/100ML	STD M 9230 B	12/29/03@7:30P A SMITH

*EPA 1983 - METHODS FOR CHEMICAL ANALYSIS OF WATER AND WASTES, 1983.

*STD M = STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, 19TH EDITION, 1995

**OSBC - TAKEN ON SITE AT TIME OF SAMPLING.

ND = none detected

ATTEST: Carolyn Shinn

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CERTIFICATE #: 01956
DATE: JANUARY 23, 20

CONTRACTOR: MWH AMERICAS

DATE SAMPLED: 12/29/03@3:50P
DATE RECEIVED: 12/29/03@5:55P
REPORT COMPLETE 1/23/04@4:32PM

SAMPLE ID: BAYOU FOUNTAIN/GRAND

LAB # 78403

LABORATORY REPORT

PARAMETER	RESULTS	UNIT	DET LIMIT/UNIT	METHOD	DATE/TIME/ANALYST
FECAL COLIFORMS	>1600	MPN/COL/100ML	1 MPN/COL/100ML	STD M 9221 E	ON:12/29@6:15P /AS OFF:12/31@617P /AS
STREPTOCOCCUS	ND	MPNCOL/100ML	1 MPN/COL/100ML	STD M 9230 B	12/29/03@7:00PM A SMITH
ENTEROCOCCI	ND	MPNCOL/100ML	1 MPN/COL/100ML	STD M 9230 B	12/29/03@7:40PM A SMITH

*EPA 1983 - METHODS FOR CHEMICAL ANALYSIS OF WATER AND WASTES, 1983.

*STD M = STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, 19TH EDITION, 1995

**OSBC - TAKEN ON SITE AT TIME OF SAMPLING.

ND = none detected

ATTEST: Carolyn Shaw

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NOTES

COMMENTS:

A	Value reported was the average of two or more determinations
B	Value reported is less than the practical quantitation limit, and greater than or equal to the minimum detection limit
C	Estimated Value
D	Parameter exceed holding time - prior to arrival at lab for analysis
E	Presumptive evidence of presence of material
F	Value reported is less than the detected limit
G	Parameter was analyzed from an unpreserved/improperly preserved sample
H	Analyte was detected in both sample and method blank
I	Test method requested by client
J	Quality control data exceeded acceptable criteria because of:
	1) Batch/sample specific Q C results for analyte cannot be assessed
	2) Quality control data indicate the uncertainty associated with the measurement , is outside acceptable limits
	3) Sample matrix presents an unusual challenge to a method or instrument
K	Analysis or preparation exceed holding times prior to completion
L	Results based on dry wt. calculation
M	Results based on wet wt. calculation
*	The data method performed is not a LDEQ accredited method or is not for regulatory purposes by LDEQ

METHOD REFERENCES:

EPA 1	Methods for Chemical Analysis of Water and Wastes; USEPA Office of Reserch and Development, Cincinnati, OH, 3/83; EPA 600/4-79-020.
EPA 2	Methods for the Determination of Metals in Environmental Samples, USEPA Office of Reserch and Development, Washington DC, 5/91, EPA/600/4-91/010.
EPA 3	Test Methods for Evaluating Solid Wastes, Physical/Chemical Methods, SW-846; 3rd edition (9/86), with Final Updates I (7/92), II (9/94), IIA (9/93), IIB (1/95) and III (12/96)
EPA 4	Method for the Determination of Organic in Drinking Water, Supplement I, EPA 500/4-90/020, July 1990.
EPA 5	Code of Federal Regulations, Title 40, Part 136; U.S. Government Printing Office, Washington, D.C., July 19
EPA 6	EPA CLP SOW for Inorganic Analysis of Multi-Media, Multi-Concentration Organics, GC/MS, SOW 784.
EPA 7	EPA CLP SOW for Organic Analysis of Multi-Media, Multi-Concentration Organics, GC/MS, SOW 785.
STD M	Standard Methods for the Examination of Water and Wastewater, 18th Edition, 1992
ASTM	American Society of Testing and Materials, 1998
BAM	Bacteriological Analytical Methods, FDA
298	Laboratory Procedures for Analysis of Oilfield Wastes, Louisiana Department of Natural Resources 2002.

DEFINITIONS:

BDL	Below detection limits
ND	None Detected above the detection limit
B	Method Blank
DUP	Sample Duplicate
MS	Matrix Spike
S	Spike
SC	Sub-Contract Lab analysis
N/A	Not applicable
DET LIMIT	The minimum amount of the analyte that can be detected utilizing this method

rev: 2 (9/03)

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600 Loire Street Lafayette, Louisiana 70507 337-896-7749 Fax: 337-896-7652

LABS Laboratory & Analytical Business Services

LABORATORY & ANALYTICAL BUSINESS SERVICES (LABS)
600 LOIRE AVENUE • LAFAYETTE, LA 70507
OFFICE: 337-896-7749 • FAX: 337-896-7652

CHAIN OF CUSTODY RECORD

CONTRACTOR/COMPANY	PURCHASE ORDER #/JOB #	CONTACT
MWH Americas		Chris Young
CLIENT/LEASE	SAMPLED BY: TKB CV SW	HOURS: / MILES: / EXPENSES: / RENTAL FEES

LAB #	SAMPLE #	DATE	TIME	SAMPLE DESCRIPTION/LEASE	# CONTAINERS	ANALYSIS REQUESTED
78460	1	12/29	4:10pm	Comite River / Greenwell Springs Rd		Fecal Coliform Std # 922TC
	1	12/29	4:10pm	Comite River / Greenwell Springs Rd		Fecal Streptococcus Std # 923013
	1	12/29	4:10pm	Comite River / Greenwell Springs Rd		Enterococcus Std # 923OB
78461	2	12/29	4:35pm	Jones Creek / O'Neal Ln.		Fecal Coliform "
	2	12/29	4:35pm	Jones Creek / O'Neal Ln		Fecal Streptococcus "
	2	12/29	4:35pm	Jones Creek / O'Neal Ln.		Enterococcus "
78462	3	12/29	4:10pm	Wards Creek / Highland Rd		Fecal Coliform "
	3	12/29	4:10pm	Wards Creek / Highland Rd		Fecal Streptococcus "
	3	12/29	4:10pm	Wards Creek / Highland Rd		Enterococcus "
78463	4	12/29	3:50pm	Bayou Fountain / Grand Lakes Dr.		Fecal Coliform "
	4	12/29	3:50pm	Bayou Fountain / Grand Lakes Dr.		Fecal Streptococcus "
	4	12/29	3:50pm	Bayou Fountain / Grand Lakes Dr.		Enterococcus "

RELINQUISHED BY: (SIGNATURE)	DATE/TIME	RECEIVED BY: (SIGNATURE)	COMMENTS:
Chris Young	5:55pm		
RELINQUISHED BY: (SIGNATURE)	DATE/TIME	RECEIVED BY: (SIGNATURE)	
RELINQUISHED BY: (SIGNATURE)	DATE/TIME	RECEIVED BY: (SIGNATURE)	

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CHAIN OF CUSTODY RECORD

CONTRACTOR/COMPANY				PURCHASE ORDER #/JOB #			CONTACT:		
CLIENT/LEASE				SAMPLED BY:	HOURS:		MILES:	EXPENSES:	RENTAL FEES:

LAB #	SAMPLE #	DATE	TIME	SAMPLE DESCRIPTION/LEASE	# CONTAINERS	ANALYSIS REQUESTED
			4:10	Comite		
			4:35	Tom's Creek		
			4:10	Ward Creek		
			3:50	Bayou Fountain		

RELINQUISHED BY: (SIGNATURE)	DATE/TIME	RECEIVED BY: (SIGNATURE)	COMMENTS:
RELINQUISHED BY: (SIGNATURE)	DATE/TIME	RECEIVED BY: (SIGNATURE)	
RELINQUISHED BY: (SIGNATURE)	DATE/TIME	RECEIVED BY: (SIGNATURE)	

M E M O R A N D U M

MWH
MONTGOMERY WATSON HARZA

To:	Kent Mudd	**Date:**	April 19, 2004
cc:	Bill McHie	**File No.**	SSO 4.7
From:	Jarrod Tramonte / Chris Young		
Subject:	Environmental Results Monitoring Program Phase I, Quarter 6 Results		

On February 6, 2004, the City of Baton Rouge, Parish of East Baton Rouge (City/Parish) conducted the sixth quarterly Phase I Baseline Monitoring event of the Environmental Results Monitoring Program. This was the final Baseline Monitoring event, per the requirements of the 2002 consent decree. The purpose of this memorandum is to characterize the rain event, summarize the sampling procedures, and report laboratory analysis results. Background information regarding the purpose and procedures of the Environmental Results Monitoring (ERM) program can be found in the ERM Plan (Exhibit G to the Consent Decree).

RAIN EVENT

Rain data was recorded at USGS monitoring stations located upstream of each of the designated sample locations. The locations of the observed USGS monitoring stations are shown in Figure 1 along with sample site locations.

Rainfall data from the February 5-6 event is summarized graphically in Figure 2. As shown in Figure 2, this was a drenching, long-duration rain event, with continuous rainfall occurring over a 24-hour period. The highest intensity occurred during the evening hours of February 5. The end of rainfall occurred at approximately midnight of February 6. A summary of the rainfall at each sample site at the time of sample collection is provided in Table 1.

Table 1. Sample Time/Rainfall Summary for Phase 1, Quarter 6

Location	Sample Time	Total Rainfall (in)	Peak Intensity (in/hr)
1 - Greenwell Springs Rd. & Comite River	8:45 a.m.	3.68	3.16
2 - O'Neal Ln. & Jones Creek	9:00 a.m.	2.55	2.08
3 - Highland Rd & Ward Creek	9:17 a.m.	2.23	2.20
4 - Grand Lakes Dr. & Bayou Fountain	9:30 a.m.	1.75	1.68

PROCEDURES

One grab sample was taken from each of the four designated sample sites between the hours of 8:45 a.m. and 9:30 a.m, February 6. Samples were drawn from the approximate center of each stream. Grab samples from each site were poured into three separate laboratory-prepared sample containers. Sample containers were labeled with sample date, time, and location name immediately following sample collection. Samples were stored on ice and delivered to the laboratory immediately following collection of the final sample.

All samples were analyzed at a local laboratory for the parameters established in the ERM plan, which include fecal coliform, fecal streptococcus, and enterococcus. Sample holding times and laboratory procedures conformed to applicable sections of the USEPA "Methods for Chemical Analysis of Water and Wastes", 1983, and ASTM "Standard Methods for Examination of Water and Wastewater", 19th Edition, 1995.

RESULTS

Results of laboratory analyses are summarized in Table 2. Further analysis of these results, in combination with the results of previous Phase I Baseline events, will be provided. Gage height/elevation data from February 5-6, recorded at USGS stream flow monitoring stations upstream of each sample location, is presented in Figure 3.

Table 2. WQ Sampling results for Phase I, Quarter 6

	Sampling Location			
Parameter	1-Conuite River	2-Jones Creek	3-Ward Creek	4-Bayou Fountain
Fecal Coliform (col/100 mL)	188	188	900	350
Fecal Streptococcus (col/100 mL)	ND[1]	ND[1]	ND[1]	ND[1]
Enterococcus (col/100 mL)	ND[1]	ND[1]	ND[1]	ND[1]
Total Rainfall (in)[2]	3.68	2.55	2.23	1.75
Gage Height (ft)[2]	39.08[3]	21.85	14.73 (N. Branch) 13.12 (Main Branch) 14.49 (Dawson Ck)	9.79

[1]ND = None detected (<2 colonies/100 mL)
[2]Values at time of sample collection
[3]Elevation (ft NGVD)

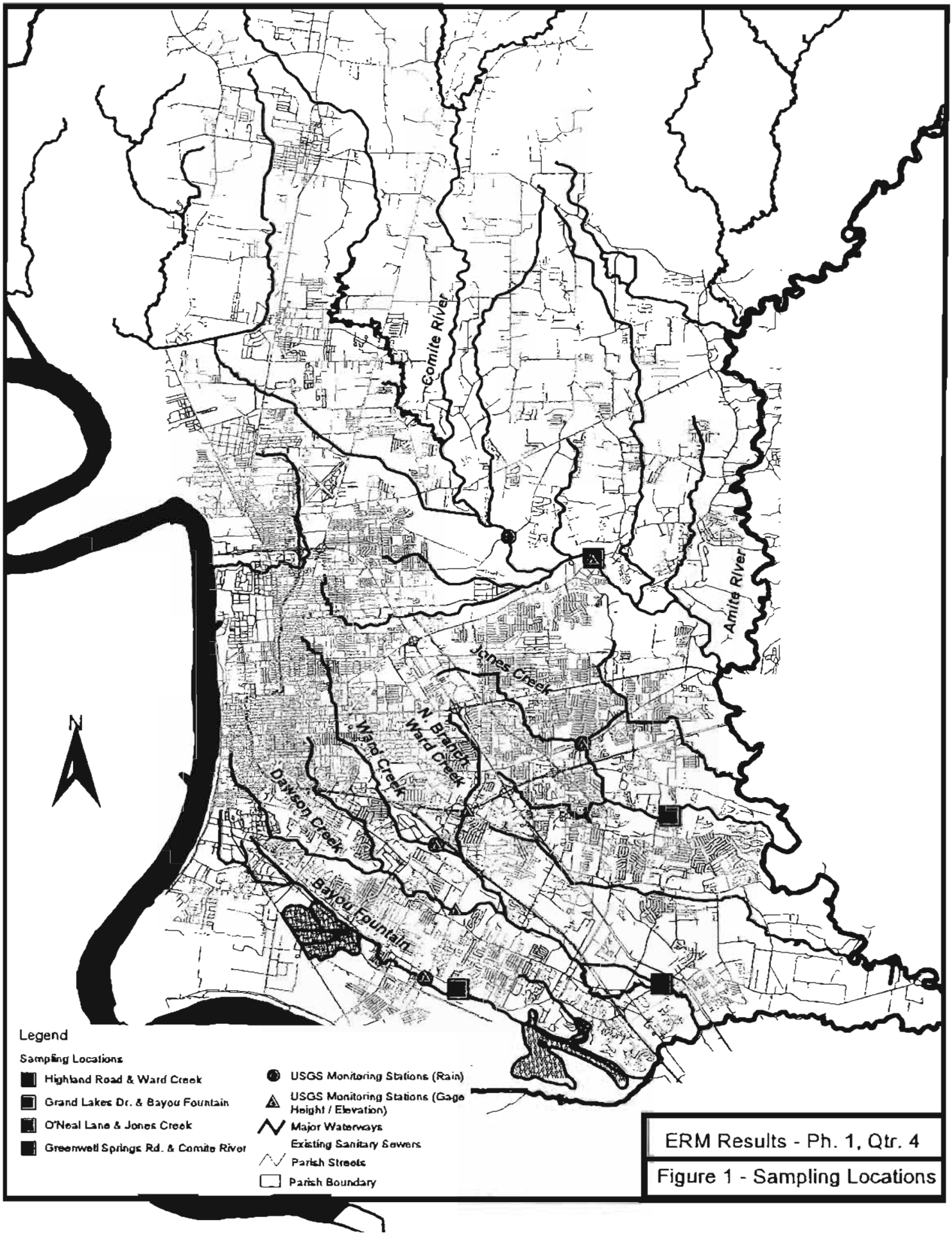

Comite River
Amite River
Jones Creek
N. Branch Ward Creek
Ward Creek
Dawson Creek
Bayou Fountain
N
Legend
Sampling Locations
Highland Road & Ward Creek
Grand Lakes Dr. & Bayou Fountain
O'Neal Lane & Jones Creek
Greenwell Springs Rd. & Comite River
USGS Monitoring Stations (Rain)
USGS Monitoring Stations (Gage Height / Elevation)
Major Waterways
Existing Sanitary Sewers
Parish Streets
Parish Boundary
ERM Results - Ph. 1, Qtr. 4
Figure 1 - Sampling Locations

Figure 2. February 5-6 Rainfall Summary

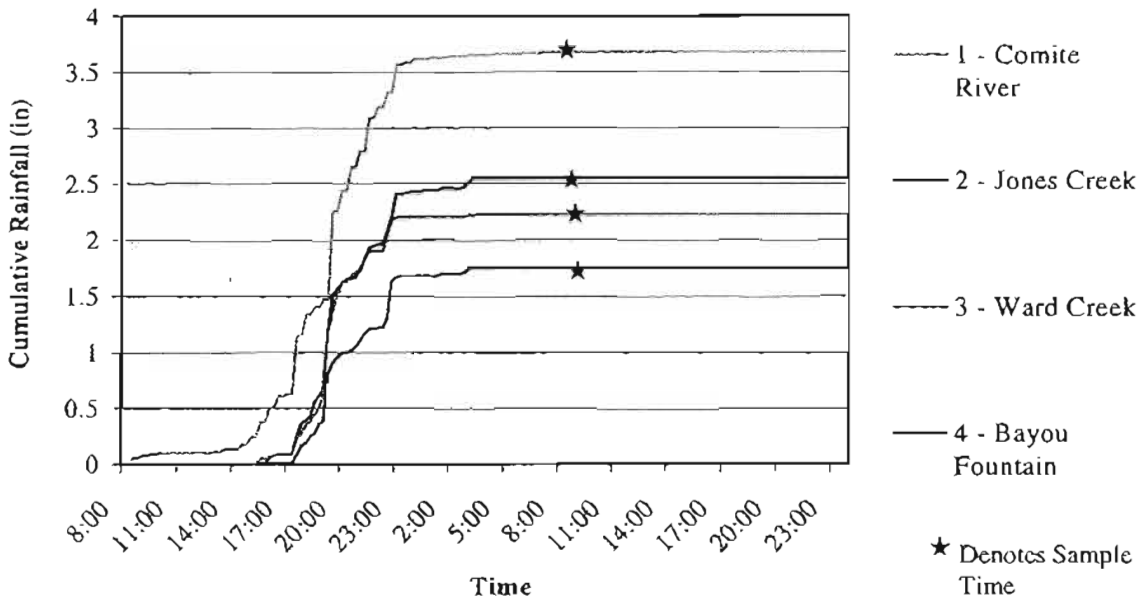
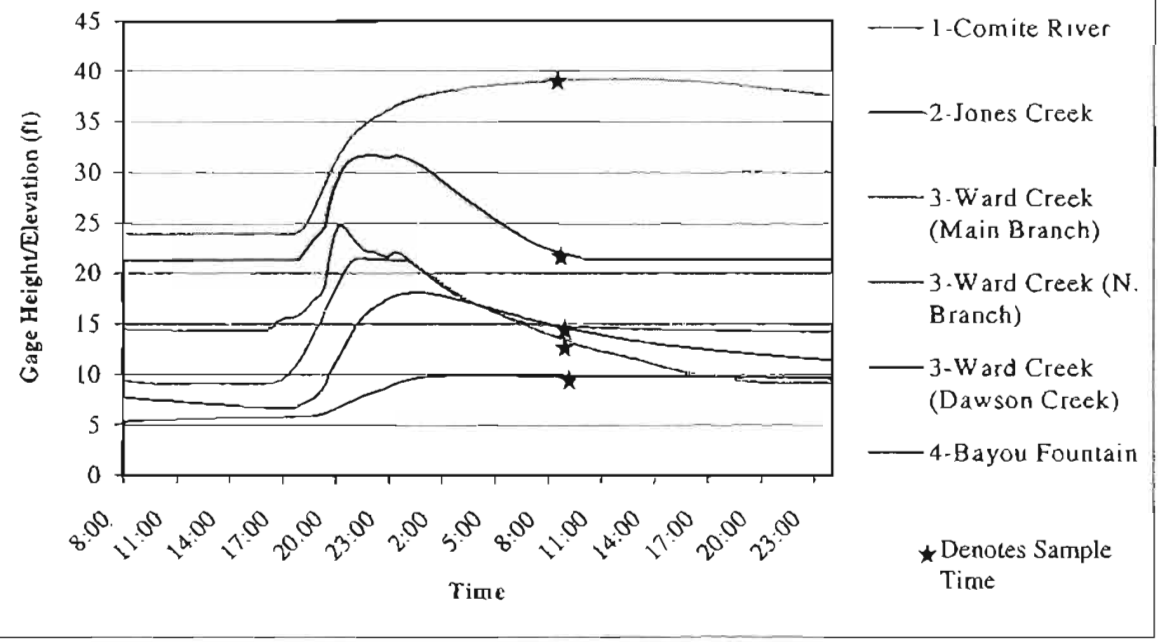


Figure 3. February 5-6 Gage Height/Elevation Summary



Note: Data was recorded at USGS rainfall/stream flow monitoring stations upstream of sample locations.

Laboratory & Analytical Business Services, inc.

Certificate of Analysis

LABORATORY ANALYSIS REPORT #:	78821-78832
CONTRACTOR:	MWH
ATTN:	CHRIS YOUNG
FAX #:	225-926-4886
NUMBER OF PAGES:	15
DATE OF REPORT:	02/12/2004
QC REVIEW:	
LAB DIRECTOR:	

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CERTIFICATE #: 01956
DATE: FEBRUARY 11, 2004

CONTRACTOR: MWH
DATE SAMPLED: 2/6/04@8:45AM
DATE RECEIVED: 2/6/04@11:45AM
SAMPLE #: #1
REPORT COMPLETE 2/11/04@12:51PM
SAMPLE ID: COMITE RIVER/GREENWELL SPRINGS RD.

LAB # 78821

LABORATORY REPORT

PARAMETER	RESULTS	UNITS	DET LIMIT/UNIT	METHOD	DATE/TIME/ANA
FECAL COLIFORMS	188	MPN COL/100 ML	1 MPN COL/100 ML	STD M 9221E	ON:2/6@12:05PM/AS OFF:2/8@12:07PM/A

* STD M = STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, 19TH - 20TH EDITION,

ATTEST: Caroline Shiver

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CERTIFICATE #: 01956
DATE: FEBRUARY 11, 2204

CONTRACTOR: MWH

DATE SAMPLED: 02/06/04@8.45AM
DATE RECEIVED: 02/06/04@11:45AM
REPORT COMPLETION DAT 02/11/2004

SAMPLE ID. #2 COMITE RIVER/GREENWELL SPRINGS RD.

LAB # 78822

LABORATORY REPORT

PARAMETER	RESULTS	PERMITTED LIMITS	METHOD	DATE/TIME/ANALYST
FECAL STREPTOCCOUS	ND	1 MPN/100 ML	STD M 9230 B	02/06@2:23PM-CS

'EPA 1983 - METHODS FOR CHEMICAL ANALYSIS OF WATER AND WASTES, 1983

' STD M = STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, 15TH - 18TH EDITION, 1994

''OSBC-TAKEN ON SITE AT TIME OF SAMPLING.

ATTEST: Carolyn Shuri

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600 Loire Street Lafayette, Louisiana 70507 337-896-7749 Fax: 337-896-7652

Laboratory & Analytical Business Services, inc.

Certificate of Analysis

CERTIFICATE #: 01956
DATE: FEBRUARY 11, 2004

CONTRACTOR: MWH

DATE SAMPLED: 02/06/04@8:45AM
DATE RECEIVED: 02/06/04@11:45AM
REPORT COMPLETION DAT 02/11/2004

SAMPLE ID. #3 COMITE RIVER/GREENWELL SPRINGS RD.

LAB # 78823

LABORATORY REPORT

PARAMETER	RESULTS	PERMITTED LIMITS	METHOD	DATE/TIME/ANALYST
ENTEROCOCCUS	ND	1 MPN/COL/100 ML	STD M 9230 B	02/06@2.23PM-CS

*EPA 1983 - METHODS FOR CHEMICAL ANALYSIS OF WATER AND WASTES, 1983

* STD M = STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER. 15TH - 18TH EDITION, 1994

**OSBC-TAKEN ON SITE AT TIME OF SAMPLING

ATTEST: Carolyn Shuey

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Certificate of Analysis

CERTIFICATE #: 01956
DATE: FEBRUARY 11, 2004

CONTRACTOR: MWH

DATE SAMPLED: 2/6/04@9:00AM
DATE RECEIVED: 2/6/04@11:45AM
REPORT COMPLETE 2/11/04@12:51PM

SAMPLE #: #4
SAMPLE ID: JONES CREEK/O'NEAL LANE

LAB # 78824

LABORATORY REPORT

PARAMETER	RESULTS	UNITS	DET LIMIT/UNIT	METHOD	DATE/TIME/ANA
FECAL COLIFORMS	188	MPN COL/100 ML	1 MPN COL/100 ML	STD M 9221E	ON:2/6@12:10PM/AS OFF:2/8@12:12PM/A

* STD M = STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, 19TH - 20TH EDITION,

ATTEST: Carolyn Shivi

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CERTIFICATE #: 01956
DATE: FEBRUARY 11, 2004

CONTRACTOR: MWH

DATE SAMPLED: 02/06/04@8:45AM
DATE RECEIVED: 02/06/04@11:45AM
REPORT COMPLETION DAT 02/11/2004

SAMPLE ID: #5 JONES CREEK/O'NEAL LANE

LAB # 78825

LABORATORY REPORT

PARAMETER	RESULTS	PERMITTED LIMITS	METHOD	DATE/TIME/ANALYST
FECAL STREPTOCOCCUS	ND	1 MPN/COL/100 ML	STD M 9221 E	02/06@2:23PM-CS

*EPA 1983 - METHODS FOR CHEMICAL ANALYSIS OF WATER AND WASTES, 1983.

* STD M = STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, 15TH - 18TH EDITION, 1994

**OSBC-TAKEN ON SITE AT TIME OF SAMPLING.

ATTEST: Carolyn Ahrens

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Certificate of Analysis

CERTIFICATE #: 01956
DATE: FEBRUARY 11, 2004

CONTRACTOR: MWH

DATE SAMPLED: 02/06/04@8.45AM
DATE RECEIVED: 02/06/04@11:45AM
REPORT COMPLETION DAT 02/11/2004

SAMPLE ID #5 JONES CREEK/O'NEAL LANE

LAB # 78826

LABORATORY REPORT

PARAMETER	RESULTS	PERMITTED LIMITS	METHOD	DATE/TIME/ANALYST
ENERCOCCUS	ND	1 MPN/COL/100 ML	STD M 9230 B	02/06@2:23PM-CS

*EPA 1983 - METHODS FOR CHEMICAL ANALYSIS OF WATER AND WASTES, 1983.

* STD M = STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, 15TH - 18TH EDITION, 1994

**OSBC-TAKEN ON SITE AT TIME OF SAMPLING.

ATTEST Carolyn Shuri

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Certificate of Analysis

CERTIFICATE #: 01956
DATE: FEBRUARY 11, 2004

CONTRACTOR: MWH

DATE SAMPLED: 2/6/04@9:17AM
DATE RECEIVED: 2/6/04@11:45AM
REPORT COMPLETE 2/11/04@12:51PM

SAMPLE #: #7
SAMPLE ID: WARDS CREEKHIGHLAND RD.

LAB # 78827

LABORATORY REPORT

PARAMETER	RESULTS	UNITS	DET LIMIT/UNIT	METHOD	DATE/TIME/ANA
FECAL COLIFORMS	900	MPN COL/100 ML	1 MPN COL/100 ML	STD M 9221E	ON:2/6@12:15PM/AS OFF:2/8@12:17PM/A

* STD M = STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, 19TH - 20TH EDITION,

ATTEST: Carolyn Thurs

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Certificate of Analysis

CERTIFICATE #: 01956
DATE: FEBRUARY 11, 200

CONTRACTOR: MWH

DATE SAMPLED: 02/06/04@8 45AM
DATE RECEIVED: 02/06/04@11:45AM
REPORT COMPLETION DAT 02/11/2004

SAMPLE ID: #8 WARDS CREEK/HIGHLAND RD.

LAB # 78828

LABORATORY REPORT

PARAMETER	RESULTS	PERMITTED LIMITS	METHOD	DATE/TIME/ANALYST
FECAL STREPTOCOCCUS	ND	1 MPN/COL/100 ML	STD M 9221 E	02/06@2:23PM-CS

*EPA 1983 - METHODS FOR CHEMICAL ANALYSIS OF WATER AND WASTES, 1983

* STD M = STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, 15TH - 18TH EDITION, 1994

**OSBC-TAKEN ON SITE AT TIME OF SAMPLING.

ATTEST: Carolyn Shines

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Certificate of Analysis

CERTIFICATE #: 01956
DATE: FEBRUARY 11, 2004

CONTRACTOR: MWH

DATE SAMPLED: 02/06/04@8:45AM
DATE RECEIVED 02/06/04@11:45AM
REPORT COMPLETION DAT 02/11/2004

SAMPLE ID: #9 WARDS CREEK/HIGHLAND RD.

LAB # 78829

LABORATORY REPORT

PARAMETER	RESULTS	PERMITTED LIMITS	METHOD	DATE/TIME/ANALYST
ENTERCOCOCCUS	ND	1 MPN/COL/100 ML	STD M 9230 B	02/06@2:23PM-CS

*EPA 1983 - METHODS FOR CHEMICAL ANALYSIS OF WATER AND WASTES, 1983.

* STD M = STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, 15TH - 18TH EDITION, 1994

**OSBC-TAKEN ON SITE AT TIME OF SAMPLING.

ATTEST: Carolyn Shuri

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600 Loire Street Lafayette, Louisiana 70507 337-896-7749 Fax: 337-896-7652

Laboratory & Analytical Business Services, inc.

Certificate of Analysis

CERTIFICATE #:	01956
DATE:	FEBRUARY 11, 2004

CONTRACTOR:	MWH	DATE SAMPLED:	2/6/04@9:30AM
		DATE RECEIVED:	2/6/04@11:45AM
SAMPLE #:	#10	REPORT COMPLETE	2/11/04@12:51PM
SAMPLE ID:	BAYOU FOUNTAIN/HIGHLAND RD.		

LAB # 78830

LABORATORY REPORT

PARAMETER	RESULTS	UNITS	DET LIMIT/UNIT	METHOD	DATE/TIME/ANA
FECAL COLIFORMS	350	MPN COL/100 ML	1 MPN COL/100 ML	STD M 9221E	ON:2/6@12:25PM/AS OFF:2/8@12:27PM/A

* STD M = STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, 19TH - 20TH EDITION,

ATTEST: [illegible]

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Certificate of Analysis

CERTIFICATE #: 01956
DATE: FEBRUARY 11, 2004

CONTRACTOR: MWH

DATE SAMPLED: 02/06/04@8:45AM
DATE RECEIVED: 02/06/04@11:45AM
REPORT COMPLETION DAT 02/11/2004

SAMPLE ID: #11 BAYOU FOUNTAIN/HIGHLAND RD

LAB # 78831

LABORATORY REPORT

PARAMETER	RESULTS	PERMITTED LIMITS	METHOD	DATE/TIME/ANALYST
FECAL STREPTOCOCCUS	ND	1 MPN/COL/100 ML	STD M 9221 E	02/06@2:23PM-CS

*EPA 1983 - METHODS FOR CHEMICAL ANALYSIS OF WATER AND WASTES, 1983.

* STD M = STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, 15TH - 18TH EDITION, 1994

**OSBC-TAKEN ON SITE AT TIME OF SAMPLING

ATTEST: Carolyn Skeen

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Certificate of Analysis

CERTIFICATE #: 01956
DATE: FEBRUARY 11, 200

CONTRACTOR. MWH

DATE SAMPLED: 02/06/04@8:45AM
DATE RECEIVED: 02/06/04@11:45AM
REPORT COMPLETION DAT 02/11/2004

SAMPLE ID: #12 BAYOU FOUNTAIN/HIGHLAND RD.

LAB # 78832

LABORATORY REPORT

PARAMETER	RESULTS	PERMITTED LIMITS	METHOD	DATE/TIME/ANALYST
ENTEROCOCCUS	ND	1 MPN/COL/100 ML	STD M 9230 B	02/06@2:23PM-CS

*EPA 1983 - METHODS FOR CHEMICAL ANALYSIS OF WATER AND WASTES, 1983.

* STD M = STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, 15TH - 18TH EDITION, 1994

**OSBC-TAKEN ON SITE AT TIME OF SAMPLING

ATTEST: Carolyn Shum

LOUISIANA ENVIRONMENTAL LABORATORY ACCREDITATION PROGRAM CERTIFICATION #01956
600 Loire Street Lafayette, Louisiana 70507 337-896-7749 Fax: 337-896-7652

NOTES

COMMENTS:

A	Value reported was the average of two or more determinations
B	Value reported is less than the practical quantitiation limit, and greater than or equal to the minimum detection limit
C	Estimated Value
D	Parameter exceed holding time - prior to arrival at lab for analysis
E	Presumptive evidence of presence of material
F	Value reported is less than the detected limit
G	Parameter was analyzed from an unpreserved/improperly preserved sample
H	Analyte was detected in both sample and method blank
I	Test method requested by client
J	Quality control data exceeded acceptable criteria because of: 1) Batch/sample specific Q C results for analyte cannot be assessed 2) Quality control data indicate the uncertainty associated with the measurement , is outside acceptable limits 3) Sample matrix presents an unusual challenge to a method or instrument
K	Analysis or preparation exceed holding times prior to completion
L	Results based on dry wt. calculation
M	Results bason on wet wt. calculation
*	The data method performed is not a LDEQ accredited method or is not for regulatory purposes by LDEQ

METHOD REFERENCES:

EPA 1	Methods for Chemical Analysis of Water and Wastes; USEPA Office of Reserch and Development, Cincinnati, OH, 3/83; EPA 600/4-79-020.
EPA 2	Methods for the Determination of Metals in Environmental Samples, USEPA Office of Reserch and Development, Washington DC, 6/91, EPA/600/4-91/010.
EPA 3	Test Methods for Evaluating Solid Wastes, Physical/Chemical Methods, SW-846; 3rd edition (9/86), with Final Updates I (7/92), II (9/94), IIA (9/93), IIB (1/95) and III (12/96)
EPA 4	Method for the Determination of Organic in Drinking Water, Supplement I, EPA 500/4-90/020, July 1990.
EPA 5	Code of Federal Regulations, Title 40, Part 136; U.S. Government Printing Office, Washington, D.C., July 19[illegible].
EPA 6	EPA CLP SOW for Inorganic Analysis of Multi-Media, Multi-Concentration Organics, GC/MS, SOW 784.
EPA 7	EPA CLP SOW for Organic Analysis of Multi-Media, Multi-Concentration Organics, GC/MS, SOW 785.
STD M	Standard Methods for the Examination of Water and Wastewater, 18th Edition, 1992
ASTM	American Society of Testing and Materials, 1998
BAM	Bacteriological Analytical Methods, FDA
29B	Laboratory Procedures for Analysis of Oilfield Wastes, Louisiana Department of Natural Resources 2002.

DEFINITIONS:

BDL	Below detection limits
ND	None Detected above the detection limit
B	Method Blank
DUP	Sample Duplicate
MS	Matrix Spike
S	Spike
SC	Sub-Contract Lab analysis
N/A	Not applicable
DET LIMIT	The minimum amount of the analyte that can be detected utilizing this method

rev: 2 (9/03)

Louisiana Environmental Laboratory Accreditation Program Certification #01956

600 Loire Street Lafayette, Louisiana 70507 337-896-7749 Fax: 337-896-7652

LABS Laboratory & Analytical Business Services

LABORATORY & ANALYTICAL BUSINESS SERVICES (LABS)
600 LOIRE AVENUE • LAFAYETTE, LA 70507
OFFICE: 337-896-7749 • FAX: 337-896-7652

CHAIN OF CUSTODY RECORD

CONTRACTOR/COMPANY	PURCHASE ORDER #/JOB #	CONTACT:
MWH		
CLIENT/LEASE	SAMPLED BY: JAKROO TRAMONTE / HOURS.	MILES. / EXPENSES / RENTAL FEES

LAB #	SAMPLE #	DATE	TIME	SAMPLE DESCRIPTION/LEASE	# CONTAINERS	ANALYSIS REQUESTED
188221	#1	2/6	8:45am	Comite River / Greenwell Springs Rd.		Fecal Coliform
188222	#2	2/6	"	Comite River / Greenwell Springs Rd.		Fecal Streptococcus
188223	#3	2/6	"	Comite River / Greenwell Springs, Rd.		Enterococcus
188224	#4	2/6	9:00am	Jones Creek / O'Neal Ln		Fecal Coliform
188225	#5	2/6	"	Jones Creek / O'Neal Ln		Fecal Streptococcus
188226	#6	2/6	"	Jones Creek / O'Neal Ln		Enterococcus
188227	#7	2/6	9:17am	Wards Creek / Highland Rd		Fecal Coliform
188228	#8	2/6	"	Wards Creek / Highland Rd		Fecal Streptococcus
188229	#9	2/6	"	Wards Creek / Highland Rd		Enterococcus
188230	#10	2/6	9:30am	Bayou Fountain / Highland Rd		Fecal Coliform
188231	#11	2/6	"	Bayou Fountain / Highland Rd		Fecal Streptococcus
188232	#12	2/6	"	Bayou Fountain / Highland Rd		Enterococcus

PAGE 15 OF 15

RELINQUISHED BY: (SIGNATURE)	DATE/TIME	RECEIVED BY: (SIGNATURE)	COMMENTS.
RELINQUISHED BY: (SIGNATURE)	DATE/TIME	RECEIVED BY: (SIGNATURE)	
RELINQUISHED BY: (SIGNATURE)	DATE/TIME	RECEIVED BY: (SIGNATURE)	

Laboratory & Analytical Business Services

CHAIN OF CUSTODY RECORD

LABORATORY & ANALYTICAL BUSINESS SERVICES (LABS)
600 LOIRE AVENUE • LAFAYETTE, LA 70507
OFFICE: 337-896-7749 • FAX: 337-896-7652

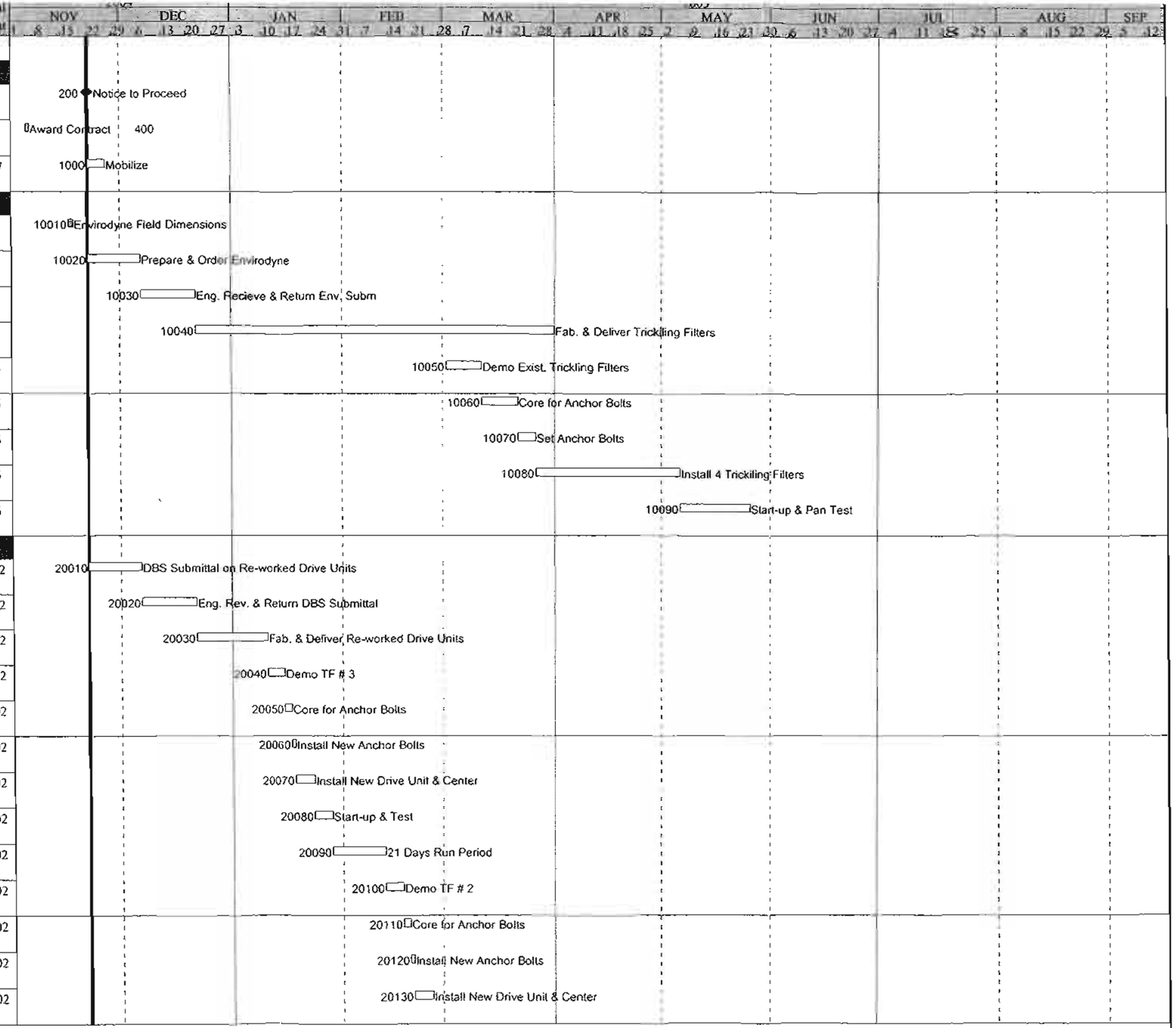
CONTRACTOR/COMPANY MWH	PURCHASE ORDER #/JOB #			CONTACT:		
CLIENT/LEASE	SAMPLED BY: Jiakroo Tripmonit	HOURS:		MILES:	EXPENSES:	RENTAL FEES:

LAB #	SAMPLE #	DATE	TIME	SAMPLE DESCRIPTION/LEASE	# CONTAINERS	ANALYSIS REQUESTED
		2/6	8:45am	Comite River/Greenwell Springs Rd.		Fecal Coliform
		2/6	"	Comite River/Greenwell Springs Rd.		Fecal Streptococcus
		2/6	"	Comite River/Greenwell Springs Rd		Enterococcus
		2/6	9:00am	Jones Creek/O'Neal Ln		Fecal Coliform
		2/6	"	Jones Creek/O'Neal Ln		Fecal Streptococcus
		2/6	"	Jones Creek/O'Neal Ln		Enterococcus
		2/6	9:11am	Wards Creek/Highland Rd		Fecal Coliform
		2/6	"	Wards Creek/Highland Rd		Fecal Streptococcus
		2/6	"	Wards Creek/Highland Rd		~~Fecal~~ Enterococcus
		2/6	9:30am	Bayou Fountain/Highland Rd		Fecal Coliform
		2/6	"	Bayou Fountain/Highland Rd		Fecal Streptococcus
		2/6	"	Bayou Fountain/Highland Rd		Enterococcus

RELINQUISHED BY: (SIGNATURE)	DATE/TIME	RECEIVED BY: (SIGNATURE)	COMMENTS:
[signature]	2/6/03 [illegible]	[signature] Thibodeaux	
RELINQUISHED BY: (SIGNATURE)	DATE/TIME	RECEIVED BY: (SIGNATURE)	
RELINQUISHED BY: (SIGNATURE)	DATE/TIME	RECEIVED BY: (SIGNATURE)	

Appendix D

Activity ID	Activity Description	Orig Dur	Rem Dur	%	Early Start	Early Finish	Total Float
CONSTRUCTION							
CONTRACT START							
200	Notice to Proceed	0	0	100	22NOV04A		
400	Award Contract	1	0	100	05NOV04A	05NOV04A	
1000	Mobilize	5	5	0	22NOV04	26NOV04	147
SOUTH WWTP							
10010	Envirodyne Field Dimensions	1	0	100	17NOV04A	17NOV04A	
10020	Prepare & Order Envirodyne	15	15	0	22NOV04	06DEC04	66
10030	Eng. Recieve & Return Env. Subm	15	15	0	07DEC04	21DEC04	66
10040	Fab. & Deliver Trickiling Filters	100	100	0	22DEC04	31MAR05	66
10050	Demo Exist. Trickling Filters	10	10	0	02MAR05	11MAR05	66
10060	Core for Anchor Bolts	10	10	0	12MAR05	21MAR05	66
10070	Set Anchor Bolts	5	5	0	22MAR05	26MAR05	66
10080	Install 4 Trickiling Filters	40	40	0	27MAR05	05MAY05	66
10090	Start-up & Pan Test	20	20	0	06MAY05	25MAY05	66
CENTRAL WWTP							
20010	DBS Submittal on Re-worked Drive Units	15	15	0	22NOV04	06DEC04	102
20020	Eng. Rev. & Return DBS Submittal	15	15	0	07DEC04	21DEC04	102
20030	Fab. & Deliver Re-worked Drive Units	20	20	0	22DEC04	10JAN05	102
20040	Demo TF # 3	5	5	0	11JAN05	15JAN05	102
20050	Core for Anchor Bolts	2	2	0	16JAN05	17JAN05	102
20060	Install New Anchor Bolts	1	1	0	18JAN05	18JAN05	102
20070	Install New Drive Unit & Center	5	5	0	19JAN05	23JAN05	102
20080	Start-up & Test	5	5	0	24JAN05	28JAN05	102
20090	21 Days Run Period	15	15	0	29JAN05	12FEB05	102
20100	Demo TF # 2	5	5	0	13FEB05	17FEB05	102
20110	Core for Anchor Bolts	2	2	0	18FEB05	19FEB05	102
20120	Install New Anchor Bolts	1	1	0	20FEB05	20FEB05	102
20130	Install New Drive Unit & Center	5	5	0	21FEB05	25FEB05	102



Start Date	08NOV04
Finish Date	19AUG05
Data Date	22NOV04
Run Date	20DEC04 16:52

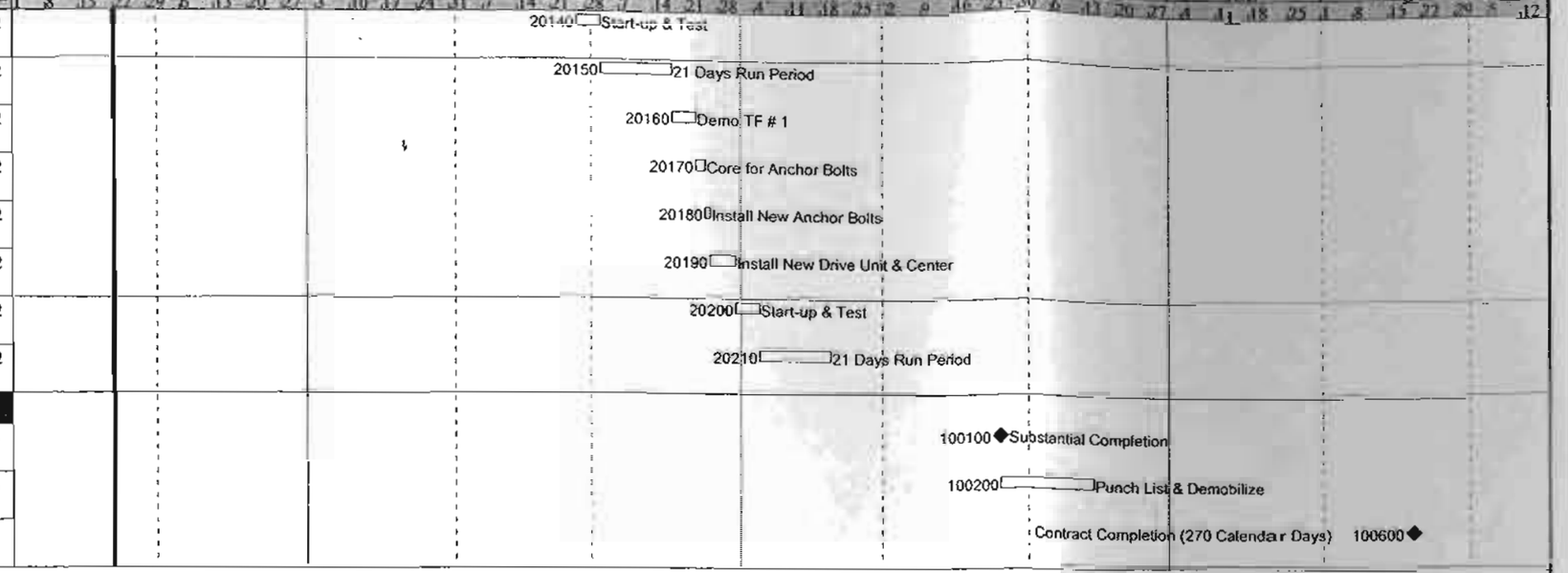
Early Bar
Progress Bar
Critical Activity

5067 Sheet 1 of 2

B.R. Central & South WWTP

PROJECT SCHEDULE

Activity ID	Activity Description	Orig Dur	Rem Dur	%	Early Start	Early Finish	Total Float
20140	Start-up & Test	5	5	0	26FEB05	02MAR05	102
20150	21 Days Run Period	15	15	0	03MAR05	17MAR05	102
20160	Demo TF # 1	5	5	0	18MAR05	22MAR05	102
20170	Core for Anchor Bolts	2	2	0	23MAR05	24MAR05	102
20180	Install New Anchor Bolts	1	1	0	25MAR05	25MAR05	102
20190	Install New Drive Unit & Center	5	5	0	26MAR05	30MAR05	102
20200	Start-up & Test	5	5	0	31MAR05	04APR05	102
20210	21 Days Run Period	15	15	0	05APR05	19APR05	102
PROJECT COMPLETION							
100100	Substantial Completion	0	0	0		25MAY05	66
100200	Punch List & Demobilize	20	20	0	26MAY05	14JUN05	66
100600	Contract Completion (270 Calendar Days)	0	0	0		19AUG05*	0



ADOPTED
METROPOLITAN COUNCIL

OCT 27 2004

088 RESOLUTION 43678

COUNCIL ADMINISTRATOR TREASURER

REQUESTING APPROVAL FOR SUBMITTAL OF THE LOUISIANA MUNICIPAL WATER POLLUTION PREVENTION (MWPP) ENVIRONMENTAL AUDIT REPORT FOR THE CENTRAL WASTEWATER TREATMENT PLANT TO THE DEPARTMENT OF ENVIRONMENTAL QUALITY (DEQ) FOR THE MONITORING PERIOD OF SEPTEMBER 1, 2003 THROUGH AUGUST 31, 2004.

BE IT RESOLVED by the Metropolitan Council of the Parish of East Baton Rouge and City of Baton Rouge that the submittal of the Louisiana Municipal Water Pollution Prevention (MWPP) Environmental Audit Report for the Central Wastewater Treatment Plant to the Department of Environmental Quality (DEQ) for the monitoring period of September 1, 2003 through August 31, 2004, is hereby approved.

CERTIFIED
A TRUE COPY

OCT 29 2004

Assistant Council Administrator

Appendix E

10/29/04
10/27/04

Office of Community Development
Mail: Post Office Box 1471, 70821
Street: 300 Louisiana Avenue, 2nd Floor
Baton Rouge, LA 70802
(225) 389-3039, FAX: (225) 389-3939

FACSIMILE COVER SHEET

DATE: October 27, 2004

TO: Mr. David Ratcliff

ATTN: ______

PHONE#: ______

FAX#: 389-4838

FROM: Edwina Patterson

HARD COPY TO FOLLOW: ___YES ✓ NO

Number of pages (including cover): 4

COMMENTS: ______

TO REPORT ERROR IN TRANSMISSION, PLEASE CALL (225) 389-3039

City of Baton Rouge-Parish of East Baton Rouge
Office of the Mayor-President
Division of Human Development and Services
Office of Community Development

Vernadine Mabry,MPA
DHDS Director

Robert McNeese
Urban Development Director

September 27, 2004

TO: MR. DAVID RATCLIFF
WASTEWATER COLLECTION MANAGER

FROM: for ROBERT MCNEESE
URBAN DEVELOPMENT DIRECTOR

RE: SEWERLINE TIE IN APPLICANTS

Enclosed is the second list of homeowners from the Sharon Hills, Cedar Glen Sub., etc. Who have applied for assistance, and have been found eligible for sewer line tie in under our program guidelines.

We have reserved funds under our Small/Limited Repair Program. The account number for this program is: 182.6114016.643550.3141503.

If any additional information is needed, please contact Edwina Patterson at 389-3039.

Enclosure

Post Office Box 1471,Baton Rouge, LA 70821-1471
Tel: (225) 389-3039, FAX: (225) 389-3939, TDD: (225) 389-3082
Email: ocd@ci.baton-rouge.la.us Internet: http//www.ci.baton-rouge.la.us/dept/ocd

October 27, 2004

LIST OF APPROVED APPLICANTS FOR SEWER LINE ASSISTANCE

1. Ms. Angela K. Benton
   9314 Corlett Drive
   Baton Rouge, La. 70811
   357-5318

2. Ms. Violester V. Hampton
   6622 Marionette Drive
   Baton Rouge, La. 70811
   356-7593

3. Ms. Brittany K. Haynes
   8535 Sharon Hills Blvd.
   Baton Rouge, La. 70811
   357-1041

4. M/M James/Dorothy James
   8867 Corlett Drive
   Baton Rouge, La. 70811
   356-5428

5. Ms. Shirley Johnson
   9425 Corlett Drive
   Baton Rouge, La. 70811
   357-7503

6. Mr. William H. LeBeau
   8636 Sharon Hills Blvd.
   Baton Rouge, La. 70811
   357-6143

7. M/M Ard/Dorothy Leiva
9550 Gov. Bauvias Drive
Baton Rouge, La. 70811
774-6836

8. M/M Isaac/Rosetta Moore, Sr.
9079 Sharon Hills Blvd.
Baton Rouge, La. 70811
356-9043

9. M/M Dexter/Monica Parker
8835 Gov. Pleasant Drive
Baton Rouge, La. 70811
356-1113

10. Ms. Ivel Potts
8652 Sharon Hills Blvd.
Baton Rouge, La. 70811
357-4260

11. Ms. Mayola Ross
5944 Marionette Street
Baton Rouge, La. 70811
357-5872

12. M/M Robert/Betty Watts
8625 Sharon Hills Blvd.
Baton Rouge, La. 70811
357-8482

13. Ms. Geraldine Davis
9125Corlett Drive
Baton Rougen La. 70811
355-1516

14. Ms. Denita Williams
9048 Cefalu Drive
Baton Rouge, La. 70811
356-5708, work 922-6537

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ORIGIN (POSTAL SERVICE USE ONLY)

PO ZIP Code	Day of Delivery	Postage
70821	☒ Next ☐ 2nd ☐ 3rd Del. Day	$ 21.05
Date Accepted	**Scheduled Date of Delivery**	**Return Receipt Fee**
1-28-05 Mo. Day Year	Month 1-29-05 Day	$ 1.75
Time Accepted	**Scheduled Time of Delivery**	**COD Fee** / **Insurance Fee**
1038 ☒ AM ☐ PM	☒ Noon ☐ 3 PM	$ / $
Flat Rate ☐ or Weight	**Military**	**Total Postage & Fees**
2 lbs. 5 ozs.	☐ 2nd Day ☐ 3rd Day	$ 22.80
	Int'l Alpha Country Code	**Acceptance Emp. Initials**
		EOT

DELIVERY (POSTAL USE ONLY)

Delivery Attempt Mo. Day	Time	☐ AM ☐ PM	Employee Signature
Delivery Attempt Mo. Day	Time	☐ AM ☐ PM	Employee Signature
Delivery Date Mo. Day	Time	☐ AM ☐ PM	Employee Signature

JAN 28 2005

CUSTOMER USE ONLY

PAYMENT BY ACCOUNT
Express Mail Corporate Acct. No.

Federal Agency Acct. No. or Postal Service Acct. No.

☐ WAIVER OF SIGNATURE (Domestic Mail Only)
Additional merchandise insurance is void if customer requests waiver of signature.
I wish delivery to be made without obtaining signature of addressee or addressee's agent (if delivery employee judges that article can be left in secure location) and I authorize that delivery employee's signature constitutes valid proof of delivery.

☐ NO DELIVERY ☐ Weekend ☐ Holiday

Mailer Signature

FROM: (PLEASE PRINT) PHONE (225) 389-3154

P.O. Box 1471
B.R. La 70802
Sewer Admin

TO: (PLEASE PRINT) PHONE (

U.S. E.P.A. Region 6
1445 Ross Ave.
Dallas, Texas

ZIP + 4 (U.S. ADDRESSES ONLY. DO NOT USE FOR FOREIGN POSTAL CODES.)

7 5 2 0 2 + 2 7 3 3

FOR INTERNATIONAL DESTINATIONS, WRITE COUNTRY NAME BELOW.

FOR PICKUP OR TRACKING
Visit **www.usps.com**
Call **1-800-222-1811**

UNITED STATES POSTAL SERVICE

***** WELCOME TO *****
BATON ROUGE MPO
BATON ROUGE, LA 70801-1714
01/28/05 10:35AM

Store USPS Trans 45
Wkstn sys5005 Cashier KGMBJR
Cashier's Name EDDIE
Stock Unit Id SIAEDDIE
PO Phone Number 800-275-8777
USPS # 2165690951

1. Pad Bag 10x16-RP 1.49
2. Exp. Mail PO-ADD 22.80
Destination: 75202
Weight: 2 lb. 5.00 oz.
Postage Type: PVI
Total Cost: 22.80
Base Rate: 21.05
Label#:
EJ283096132US
SERVICES
Rtn Recpt (Green Card) 1.75

Subtotal 24.29
Total 24.29

DebitCard 24.29
Purchase 24.29
Cash Back 0.00

<23-90327252-95>

DebitCard CLERK ID
ACCT. NUMBER EXP 17
8949 02/05
AUTH 060134 DEBIT TRANS # 602
RECEIPT # 001753

ALL SALES FINAL ON STAMPS AND POSTAGE.
REFUNDS FOR GUARANTEED SERVICES ONLY.

Order stamps at USPS.com/shop or call 1-800-Stamp24. Go to USPS.com/clickship to print shipping labels with postage. For other information call 1-800-ASK-USPS.

Number of Items Sold: 2

Thank You Come Again

Starting At $3.85