BATON ROUGE SSO PROGRAM

2002 CONSENT DECREE

2003 ANNUAL REPORT

January 30, 2004

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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, 2004

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, 2003**

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, 2003. 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,

Fred E. Raiford III
Director

Cc: Honorable Bobby Simpson, Mayor-President
Mr. Paul Thompson, 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
Mr. Mark LeBlanc
Mr. Jim Thompson
Mr. Jerome Klier
Mr. Jeff Broussard
Mr. Kent A. Mudd
Mr. Robert Groht
Mr. David Ratcliff
Mr. Bill McHie, MWH

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Baton Rouge Consent Decree
2003 Annual Report

This Annual Report covering the period from January 1, 2003 to December 31, 2003 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 1 (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 will be submitted in February 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 July 31, 2003 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 design of 2nd RMAP remedial measures	June 3, 2013	
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		04/12/05		
N-05	PS 24 Area Upgrades	100%	04/12/04		04/14/05		
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%	05/24/04		05/26/05		
N-11	PS 65 Area Upgrades	20%	03/28/05		03/30/06		
N-12	North Area Lateral Rehabilitation	20%	09/17/04		03/15/06		
N-14	Bellingrath Rehabilitation	100%	12/09/03	12/09/03	12/07/04		5%
N-15	Frenchtown Road Rehabilitation	100%	04/23/04		04/25/05		
N-23	North Area Comp. Rehabilitation	50%	08/10/04		08/09/05		
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	0%	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	33%	01/19/04	01/19/04	12/30/06		
N-17	Annual Rehabilitation Contract #2	0%	07/10/04		12/31/07		
N-18	Annual Rehabilitation Contract #3	0%	10/09/04		12/31/07		
N-19	Annual Rehabilitation Contract #4	0%	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 2003 to meet this requirement.

Table 5
Infiltration & Inflow Reduction Activities

PROJECT	DESCRIPTION	2003 % COMPLETE	ACTUAL % COMPLETE	CONSTRUCTION COST/BID	EXPENDITURES 2003
99-SSO-17	Parish Wide Point Repair	86%	100%	$309,342	$233,622
99-SSO-22	Audubon Terrace/Morning Glen Rehab	69%	100%	$694,835	$457,832
01-SSO-47	Oak Hills Sewer Rehab	14%	100%	$772,205	$275,654
02-CDR-01	Aster St. Rehab Project	100%	100%	$239,250	$227,699
02-CDR-02	Annual Point Repair Project	99.4%	100%	$1,113,193	$1,431,980
02-CDR-03	Point Repair 62	100%	100%	$219,379	$136,674
02-WWC-RBLI	Annual Rehab by Lining	46%	100%	$1,000,000	$997,040
TOTAL EXPENDITURES IN 2003				**$4,990,603**	**$3,760,501**

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. Sansalone of LSU are having a beneficial impact on plant performance.

The City/Parish submitted a Municipal Water Pollution Prevention (MWPP) Environmental Audit Report on November 20, 2003 (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 and South 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.

Four Phase I Baseline Monitoring events were conducted during the 2003 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 February 21, 2003, the City/Parish conducted the second quarterly Phase I Baseline Monitoring event. This rain event was approximately 4.6 inches of rain over a thirty-hour period, ending around 4:00 a.m. Sampling at the four designated sites occurred between the hours of 11:00 a.m. and 12:00 a.m. on February 21, 2003. Results of laboratory analysis are summarized in Table 6, which shows that the fecal coliform criterion was exceeded at all four sample locations. Further analysis of these results will be made following future water quality sampling events.

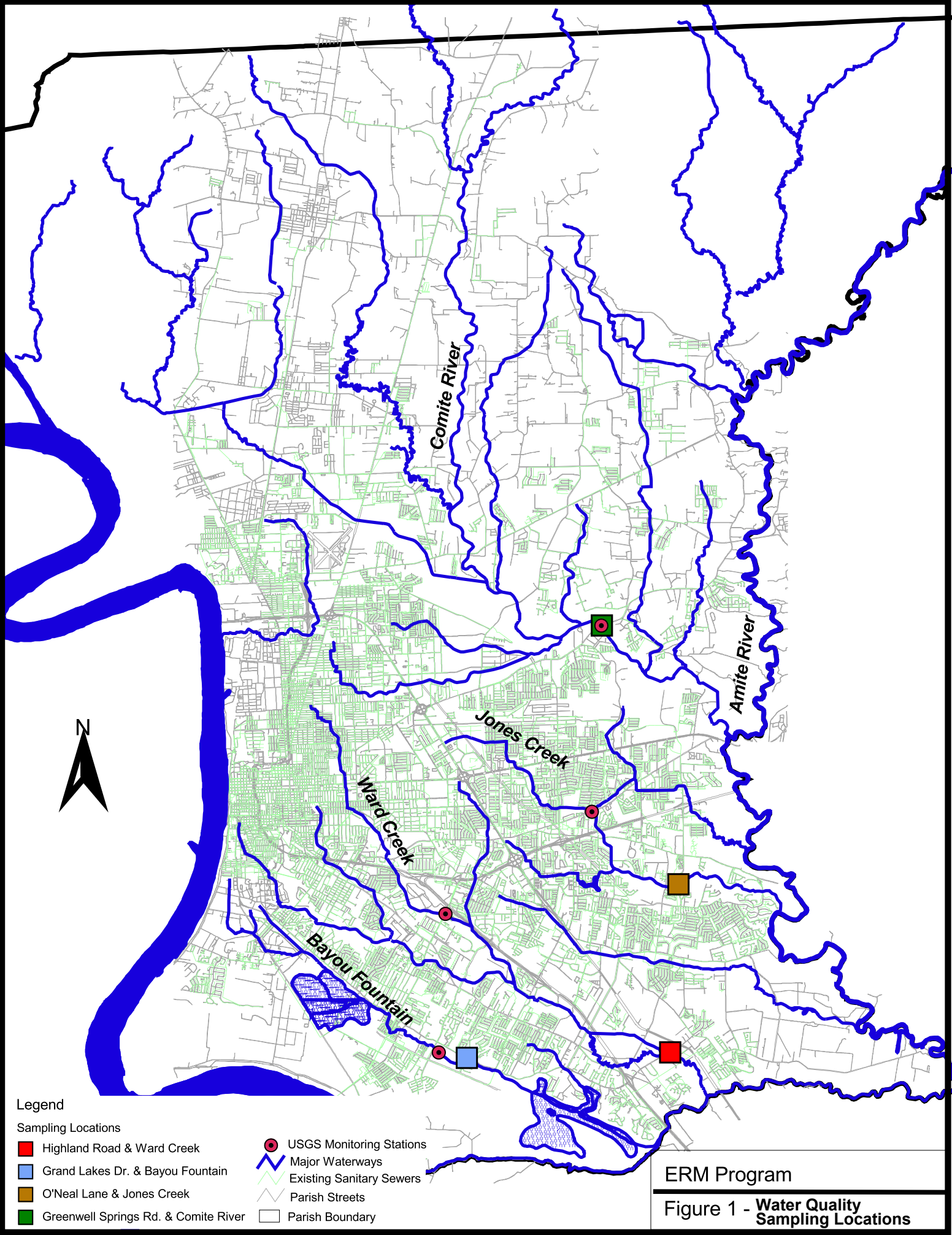

Comite River
Amite River
Jones Creek
Ward Creek
Bayou Fountain
N
Legend
Sampling Locations
Highland Road & Ward Creek
Grand Lakes Dr. & Bayou Fountain
O'Neal Lane & Jones Creek
Greenwell Springs Rd. & Comite River
USGS Monitoring Stations
Major Waterways
Existing Sanitary Sewers
Parish Streets
Parish Boundary
ERM Program
Figure 1 - Water Quality Sampling Locations

Table 6
WQ Sampling Results for Phase I, 2nd Quarter

	Sampling Location			
Parameter	1-Comite River	2-Jones Creek	3-Ward Creek	4-Bayou Fountain
Fecal Coliform	TNTC	TNTC	TNTC	TNTC
Fecal Streptococcus	2210	6130	5570	7320
Enterococcus	1860	1740	2210	2080
TNTC-Too numerous to count (>2000 colonies/100 ml)				

On April 8, 2003, the City/Parish conducted the third quarterly Phase I Baseline Monitoring event. This rain event was approximately 6 inches of rain over a thirty-hour period, ending around 6:00 a.m. Sampling at the four designated sites occurred between the hours of 10:00 a.m. and 11:00 a.m. on April 8, 2003. Results of laboratory analyses are summarized in Table 7, which shows that the fecal coliform criterion was exceeded at two of the 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, 3rd Quarter

	Sampling Location			
Parameter	1-Comite River	2-Jones Creek	3-Ward Creek	4-Bayou Fountain
Fecal Coliform	188	350	>1,600	>1,600
Fecal Streptococcus	ND	ND	ND	ND
Enterococcus	ND	ND	ND	ND
ND = None detected (<2 colonies/100 ml)				

On August 12, 2003, the City/Parish conducted the fourth quarterly Phase I Baseline Monitoring event. The rain event was approximately 3.3 inches of rain over four-hour period, a relatively short duration, ending around 11:00 a.m. Sampling at the four designated sites occurred between the hours of 3:30 p.m. and 4:00 p.m. on August 12, 2003. Results of laboratory analyses are summarized in Table 8, which shows that the fecal coliform criterion was exceeded at three of the four sample locations. Further analysis of these results will be made following future water quality sampling events.

Table 8
WQ Sampling Results for Phase I, 4th Quarter

	Sampling Location			
Parameter	1-Comite River	2-Jones Creek	3-Ward Creek	4-Bayou Fountain
Fecal Coliform	59	>2,400	>2,400	>2,400
Fecal Streptococcus	ND	ND	ND	ND
Enterococcus	ND	ND	ND	ND
ND = None detected (<2 colonies/100 ml)				

On December 29, 2003, the City/Parish conducted the fifth quarterly Phase I Baseline Monitoring event. The rain event was approximately 1.7 inches of rain over a nine-hour period, a relatively short duration, ending around 12:00 p.m. Sampling at the four designated sites occurred between the hours of 3:50 p.m. and 4:40 p.m. on December 29, 2003. Results of laboratory analyses are summarized in Table 9, which shows that the fecal coliform criterion was exceeded at three of the four sample locations. Further analysis of these results will be made following future water quality sampling events.

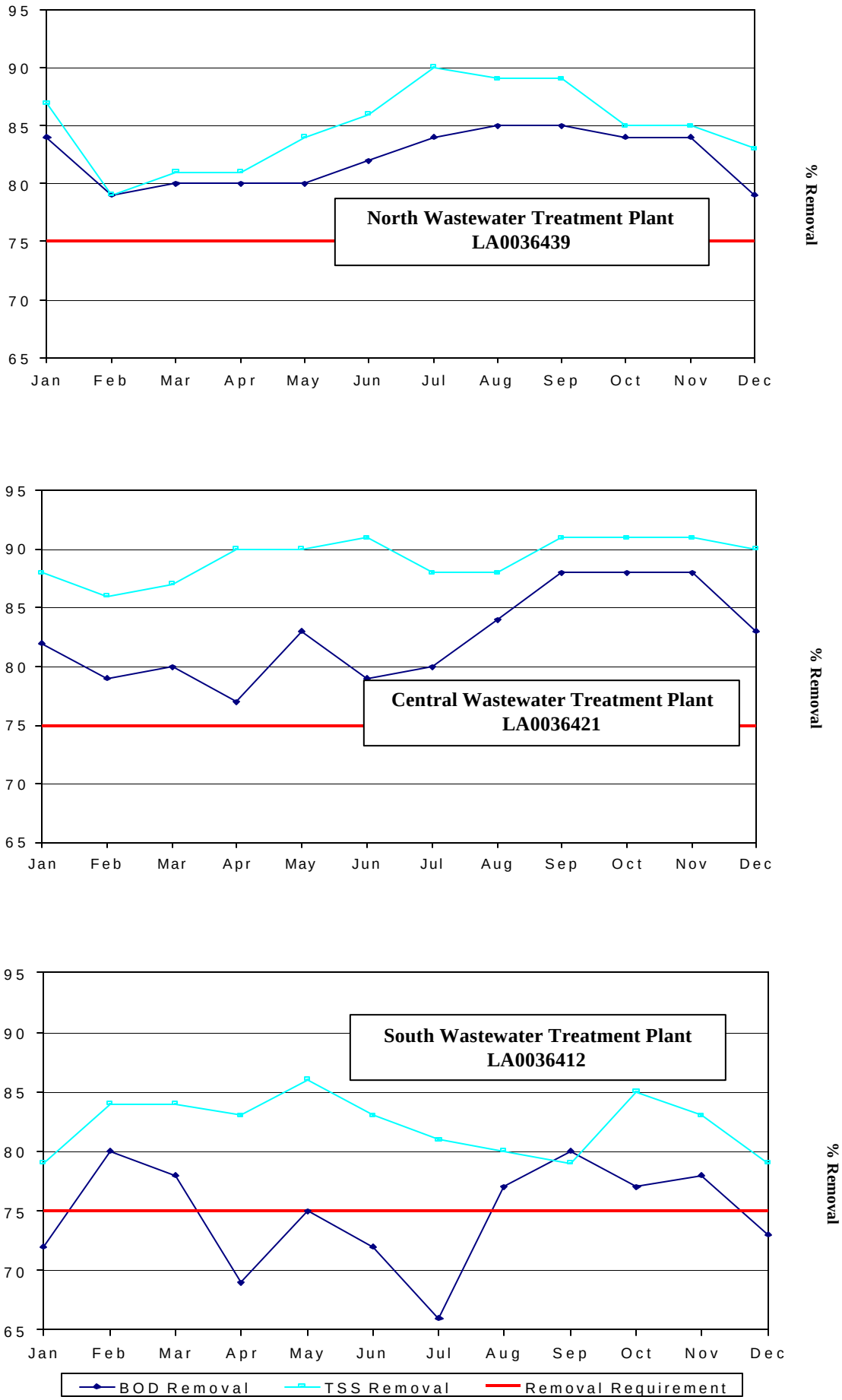
Table 9
WQ Sampling Results for Phase I, 5th Quarter

	Sampling Location			
Parameter	1-Comite River	2-Jones Creek	3-Ward Creek	4-Bayou Fountain
Fecal Coliform	>1,600	>1,600	110	>1,600
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 2003 the North and Central WWTPs have been in compliance with the 75% interim effluent limits for removal of both BOD and TSS. In fact the CWWTP met the permit limit of 85% removal of TSS the entire year and the NWWTP met the permit 85% removal limit for TSS approximately 60% of the year, as illustrated by Table 10 and Figure 2.

Figure 2. WWTP Monthly Average BOD/TSS Percent Removal



The South WWTP has been in compliance with the 75% interim effluent limit for TSS all year, and has been in compliance with the 75% interim effluent limits for BOD seven out of twelve months. However, it has not met the 75% interim effluent limit for BOD for 4 months of the year. The South WWTP is experiencing operational difficulties related to snail infestation and failure at four of the eight trickling filter distributor arms, as documented in Appendix D. The snail screen equipment was procured and delivered to the South WWTP, and piping for this equipment will be installed during the first quarter of 2004, as documented in Appendix D.

Correcting the failures at the four trickling filters, which are presently out of commission, is not proceeding as smoothly and is falling behind our original projected schedule. As indicated in our status update letter of July 15, 2003 (in Appendix D), the contractor was authorized to proceed with corrective actions, but had difficulty meeting certain specification requirements. Since then, the contractor has not provided timely shop drawing submittals, has consistently fallen behind the contract schedule, and initial installation of the first set of trickling filter trusses were deemed defective and were rejected (see letter dated December 4, 2003 in Appendix D). In numerous letters, included in Appendix D, we have made clear to the contractor that this project is critical to meeting the requirements of the WWTP permit, and that meeting permit requirements is required by our current consent decree. We anticipate that the South WWTP should be able to operate within permit limits within two to three months after this construction work is complete.

Table 10
Monthly Average Percent Removal

	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
North Plant-LA0036439												
BOD	84	79	80	80	80	82	84	85	85	84	84	79
TSS	87	79	81	81	84	86	90	89	89	85	85	83
Central Plant-LA0036421												
BOD	82	79	80	77	83	79	80	84	88	88	88	83
TSS	88	86	87	90	90	91	88	88	91	91	91	90
South Plant-LA0036412												
BOD	72	80	78	69	75	72	66	77	80	77	78	73
TSS	79	84	84	83	86	83	81	80	79	85	83	79

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 SSO Program and the Consent Decree. The City/Parish requested SRF loan funds from the Louisiana Department of Environmental Quality (LDEQ) for certain RMAP projects.

As part of that process, a public hearing was held February 26, 2003 before the Metropolitan Council (see Appendix E). The public hearing provided a forum to explain the purpose and need of the projects, discuss the proposed alternatives and allow input from the public. Prior to the public hearing both the facilities plan and environmental information document (EID) were made available for public review at local libraries.

A series of workshops/seminars occurred during this reporting period. The City/Parish hosted a tunnel workshop on April 2-3, 2003, where the tunneling media/subsurface conditions and other design considerations for the tunnel projects were discussed. The City/Parish made a presentation at a trenchless technology seminar on April 22-23, 2003 and a LWEA Meeting on trenchless technology and deep tunnels to reduce the risk of sanitary sewer overflows October 22, 2003. The City/Parish also made a presentation at a municipal forum on trenchless technology on November 20, 2003 where various features of the City's projects that will require trenchless solutions was discussed (see Appendix E). Fred Raiford, Director of the Department of Public Works (DPW), has also made frequent public appearances answering questions relating to the status of the SSO Program (see Appendix E).

The City/Parish also held a public meeting for the Pleasant Hills (Section 3)/Green Acres and Sharon Hills/Cedar Glen/Pleasant Hills SEP project on September 11, 2003 (see Appendix E). The City/Parish explained the project need, scope and benefits (including environmental) to the residents and then, with the contractor, responded to concerns and questions (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 2003**
8.	Provide SSO CAP information in Budget Highlights Pamphlet	**Feb 2003**
9.	Provide fact sheet about the SEPs on City-Parish website	**Dec 2002**
10.	Consent Decree copies made available	**Ongoing**

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, 2003 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 2003 are presented in Table 12. Special mitigating circumstances related to specific non-compliance events were identified in a letter to U.S. EPA dated August 13, 2003 (copy included in Appendix D).

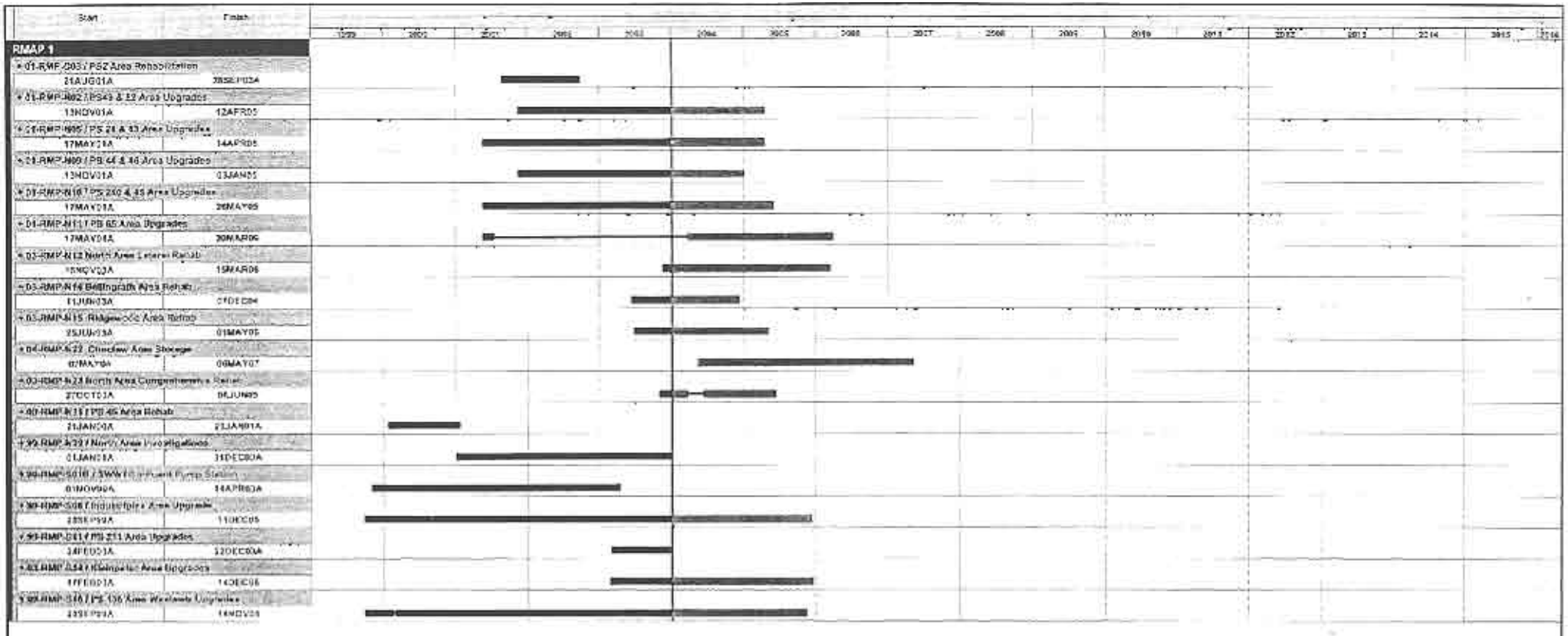
Table 11
Summary of Stipulated Penalties for Submittal/Construction Milestones

Stipulated Penalties		Deadline	Completion	Total Owed*	Total Paid*
Past Stipulated Penalties		15-Apr-02	12-Apr-02	$216,000	
Failure to Submit Timely Reports					
Quarterly Reports	3rd Report	31-Jan-03	30-Jan-03		
	4th Report	30-Apr-03	25-Apr-03		
	5th Report	31-July-03	18-July-03		
	6th Report	31-Oct-03	31-Oct-03		
Annual Reports	2003 Report	31-Jan-03	29-Jan-03		
Collection System PMP Plan		30-Mar-01	29-Mar-01		
		30-Mar-02	26-Mar-02		
SEP Completion Report		15-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			
Sharon Hills/Cedar Glen/Pleasant Hills Project	(start construction)	14-Mar-03	27-Jun-03		
	(end construction)	14-Aug-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 12
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	12	$5,000	$60,000
Less Than 1 million gallons and Compliance (Post-remedial)	N/A	N/A	
1 million gallons or more	3	$5,000	$15,000
Non-compliant Discharges			
Daily Maximum Limits			
Weekly Average Limits	3	$1,000	$3,000
Monthly (30-day Average) Limits	22	$2,500	
		Total	

Appendix A



Start Date	21JUN99
Finish Date	31DEC14
Data Date	02JAN04
Run Date	23JAN04 10:38

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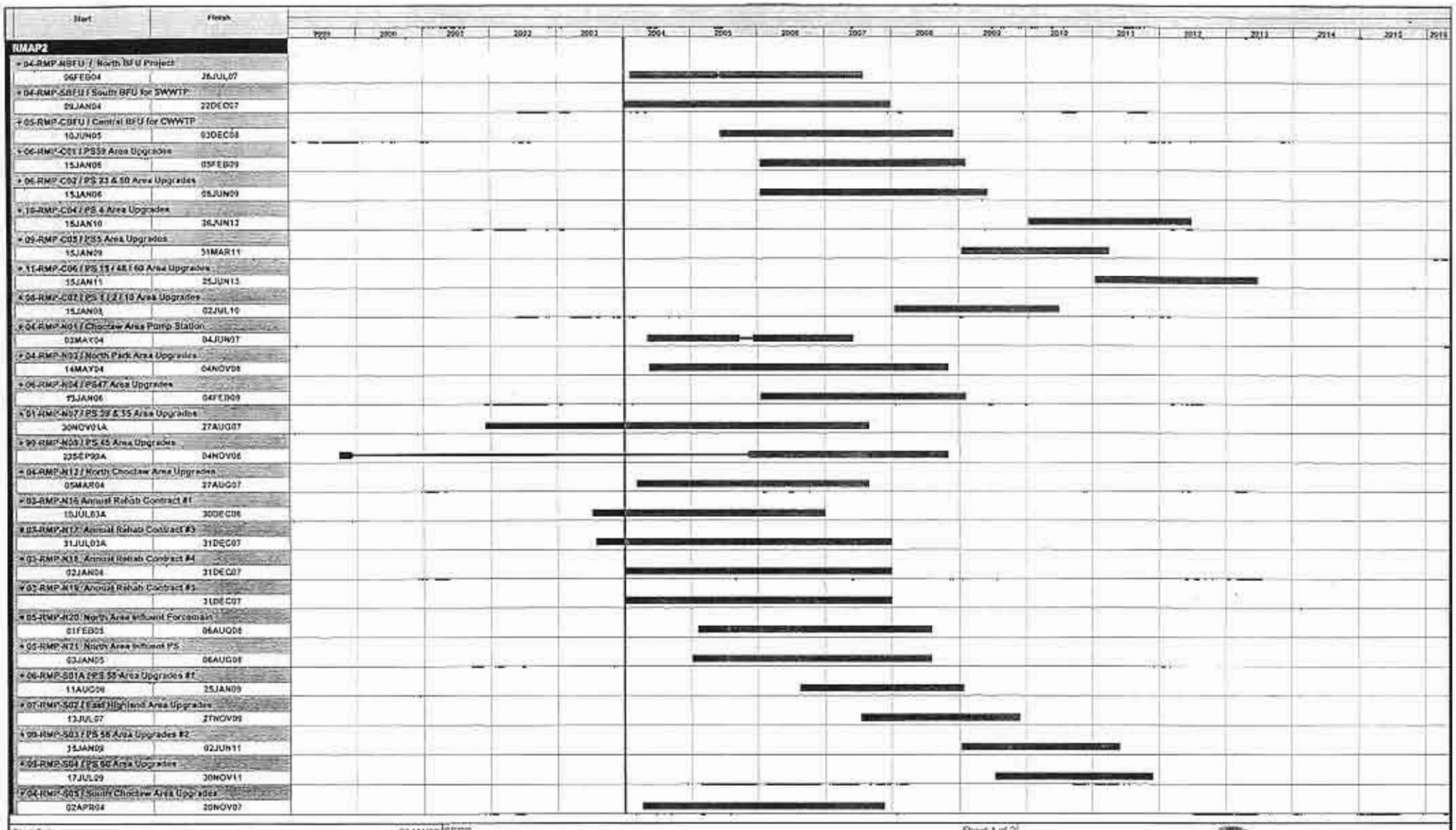
BSDP

Sheet 1 of 1

City of Baton Rouge / Parish of East Baton Rouge
BSD Consent Decree Projects
RMAP #1 Projects



Start Date	01JAN99
Finish Date	31DEC14
Data Date	02JAN04
Run Date	23JAN04 10:43

SSOF

Sheet 1 of 2

City of Baton Rouge / Parish of East Baton Rouge
SSO Consent Decree Projects
RMAP #2 Projects

Start	Finish
+ 08-RMP-S06 / PS 31 Area Upgrades	
18JUL08	03DEC10
+ 07-RMP-S07 / PS 944 Area Upgrades	
15JAN07	29MAY09
+ 07-RMP-S09 / Gardere/GSRI Area Upgrades	
15JAN07	29MAY09
+ 10-RMP-S10 / Tiger Bend / Antioch Area Upgrades	
15JAN10	29MAY12
+ 08-RMP-S12 / PS 177 Area Upgrades	
15JAN08	28MAY10
+ 08-RMP-S13 / PS 120 & 274 Area Upgrades	
15JAN08	26MAY10
+ 08-RMP-S15 / Hoo Shoo Too/Jefferson Hwy Upgrds	
07JAN08	23DEC09
+ 07-RMP-S17 / South Salgon Area Upgrades	
15JAN07	03APR09
+ 07-RMP-S18 / PS 40 & 57 Area Upgrades	
15JAN07	29MAY09
+ 08-RMP-S19 / PS 53 Area Upgrades #1	
15JAN08	28MAY10
+ 08-RMP-S20 / PS 53 Area Upgrades #2	
15JAN08	28MAY10
+ 11-RMP-S21 / BPS 109 Area Upgrades	
15JAN11	26MAR13
+ 11-RMP-S22 / BPS 508 Area Upgrades	
04JUN11	10SEP13
+ 10-RMP-S23 / PS 101 / 21 Area Upgrades	
15JAN10	29MAY12
+ 05-RMP-S24 / PS 50 Area Upgrades	
11NOV05	30MAY08
+ 08-RMP-S25 / PS 236 Area Upgrades	
02JUN08	10NOV11
+ 04-RMP-S26 / Magnolia Pointe Area Upgrades	
01MAR04	14FEB06
+ 03-RMP-T01 / SWWTP Tunnel Pump Station	
28FEB03A	13MAY07
+ 03-RMP-T02 / CWWTP Tunnel Pump Station	
28FEB03A	14AUG06
+ 03-RMP-T03 / Central Service Area Trunk Tunnels	
28FEB03A	11JAN10
+ 03-RMP-T04 / South Service Area Trunk Tunnels	
28FEB03A	20DEC10
+ 04-RMP-T05 / Blueconnet / Airline Tunnels	
10JAN05	26MAR11
+ 06-RMP-T06 / Airline Extension Tunnels	
01MAR06	12DEC10
+ 07-RMP-T07 / Old Hammond Tunnels	
03SEP05	20JUN12

Start Date	01JAN99
Finish Date	31DEC14
Data Date	02JAN04
Run Date	23JAN04 10:43

SSOP

Sheet 2 of 2

City of Baton Rouge / Parish of East Baton Rouge
SSO Consent Decree Projects
RMAP #2 Projects

Appendix B

Department of Public Works

City of Baton Rouge
Parish of East Baton Rouge

Post Office Box 1471
Baton Rouge, Louisiana
70821

COPY

November 20, 2003

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:
LA0036412 AI# 4841
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 and South Wastewater Treatment Plants.

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:	NORTH 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:	NOVEMBER 19, 2003

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)
17.66	X	126	X 8.34 =	18,558
12.54	X	145	X 8.34 =	15,165
15.61	X	129	X 8.34 =	16,794
15.64	X	129	X 8.34 =	16,826
14.88	X	136	X 8.34 =	16,877
18.05	X	112	X 8.34 =	16,860
24.32	X	124	X 8.34 =	25,151
20.32	X	128	X 8.34 =	21,692
23.99	X	130	X 8.34 =	26,010
15.31	X	164	X 8.34 =	20,940
24.96	X	122	X 8.34 =	25,396
18.22	X	128	X 8.34 =	19,450

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	18	19
MAY	18	16
JUNE	16	16
JULY	20	18
AUGUST	18	14
SEPTEMBER	12	16
OCTOBER	19	17
NOVEMBER	21	17
DECEMBER	24	22
JANUARY	27	18
FEBRUARY	26	23
MARCH	25	22

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

	Permit Limit		90% of Permit Limit
BOD, mg/l	30	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 [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 | 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

2003 - 1998 = 5 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	
	Stabilization Pond	
	Other (Specify)	

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 5 (AGE) = 12.5 (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: 4

(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 4 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: 48.

(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 44 Treatment Plant 4

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 | 80 | (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: 608

Design Flow: 0.25 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 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 (4/02 - 3/03)

LINE CLEANING	35%
SMOKE TESTING	39%
CCTC INSPECTIONS	28%
MANHOLE INSPECTION	51%
DYE TESTING	7%
LINE REPAIRED	4%
MANHOLE REHAB	2%
FORCE MAIN INSPECTIONS	67%
REPAIRED	7%
AIR RELEASE VALVES- INSPECTIONS	93%
REPAIRED	47%
PUMP STATIONS-REPAIRED	27%
WET WELL CLEANED	26%

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. PROJECTS WILL INCLUDE PUMP STATION UPGRADES, FORCEMAIN IMPROVEMENTS, GRAVITY SEWERS, STORAGE AND WET-WEATHER TREATMENT FACILITIES. ADDITIONALLY, ANNUAL CONTRACTS FOR SEWER REHABILITATION INCLUDING LINING, POINT REPAIRS, 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 7/16/02 7/18/02 12/19/02 forcemain 7/16/02 7/18/02 12/11/02	7/15/02 12/17/02

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

PARTIAL FULL BYPASS FOR CONTRACTOR TO INSTALL THREE NEW BAR SCREENS ON GRAVITY SIDE.

1 hr-45 min	7 hrs	34hrs-55min	5hrs-15min
7/15/02	7/16/02	7/17/02	7/25/02

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

☐ Yes ☒ No If yes, describe:

Facility Name: 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, 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 fil 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 | 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	Maximum
Part 1: Influent Flow/Loadings	0	80 Points
Part 2: Effluent Quality/Plant Performance	0	100 Points
Part 3: Age of WWTT	12.5	50 Points
Part 4: Overflows and Bypasses	80	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 | 102.5

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.

   (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 December 10, 2003 (date).

Brian Mayers
Council Administrator/Treasurer
CLERK

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CDM

PROPOSED EXISTING SITE PLAN

1

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:	NOVEMBER 19,2003

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 | 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)
34.50	X	183	X 8.34 =	52,655
42.90	X	157	X 8.34 =	56,172
33.89	X	160	X 8.34 =	45,223
38.24	X	134	X 8.34 =	42,735
45.80	X	148	X 8.34 =	56,532
36.35	X	164	X 8.34 =	49,718
41.95	X	170	X 8.34 =	59,477
35.00	X	202	X 8.34 =	58,964
41.41	X	171	X 8.34 =	59,056
39.05	X	186	X 8.34 =	60,576
37.95	X	143	X 8.34 =	45,260
31.08	X	162	X 8.34 =	41,992

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

Facility Name SOUTH PLANT LA0036412

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	47	36
JULY	38	28
AUGUST	45	30
SEPTEMBER	39	32
OCTOBER	40	30
NOVEMBER	47	31
DECEMBER	46	36
JANUARY	56	39
FEBRUARY	34	26
MARCH	41	29
APRIL	44	34
MAY	40	30

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 LA0036412 SOUTH PLANT

C. Continuous Discharge to Surface Water

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 [40] 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:**

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 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

2003 - 1998 = 5 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 5 (AGE) = 12.5 (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 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: 17

(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 16 Treatment Plant 1

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: 131

(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 126 Treatment Plant 5

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 | SOUTH PLANT LA0036412

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 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 7: OPERATOR CERTIFICATION AND EDUCATION

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 NORTH TREATMENT PLANT COLLECTION AREA IS PERFORMED 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.

SOUTH TREATMENT AREA
MONITORING PERIOD (6/02 - 5/03)

LINE CLEANING	3%
SMOKE TESTING	8%
CCTC INSPECTIONS	1%
MANHOLE INSPECTION	2%
DYE TESTING	5%
LINE REPAIRED	8%
MANHOLE REHAB	1%
FORCE MAIN INSPECTIONS	38%
REPAIRED	5%
AIR RELEASE VALVES- INSPECTIONS	65%
REPAIRED	22%
PUMP STATIONS-REPAIRED	11%
WET WELL CLEANED	35%

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. PROJECTS WILL INCLUDE PUMP STATION UPGRADES, FORCEMAIN IMPROVEMENTS, GRAVITY SEWERS, DEEP GRAVITY SEWER TUNNELS, STORAGE AND WET-WEATHER TREATMENT FACILITIES. ADDITIONALLY, ANNUAL CONTRACTS FOR SEWER REHABILITATION INCLUDING LINING, POINT REPAIRS, UPSIZING, AND OTHER REHABILITATION METHODS WILL ALSO BE IMPLEMENTED.

Facility Name | LA0036412 SOUTH 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):
*See note at bottom of this page.	*See note at bottom of this page.

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

1. TRICKLING FILTERS VFD FAILED, DAMAGED STRUCTURE ON TRICKLING FILTERS 5-8.
2. PRIMARY BASIN #6 DRIVE UNIT.
3. BAR SCREEN - E-101, 102 & 103, MECHANICAL FAILURE.

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

☐ Yes ☒ No If yes, describe:

GRAVITY INFLUENT

7/1/02
10/14/02
3/12/03

FORCE MAIN INFLUENT

7/1/02
10/14/02
3/12/03

FINAL EFFLUENT - 5501A

9/6/02
10/22/02
11/7/02
3/18/03

FINAL EFFLUENT - 5501B

8/22/02
10/23/02
11/7/02
3/18/03

Facility Name: SOUTH PLANT LA00364

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 | 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	12.5	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 212.5

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.

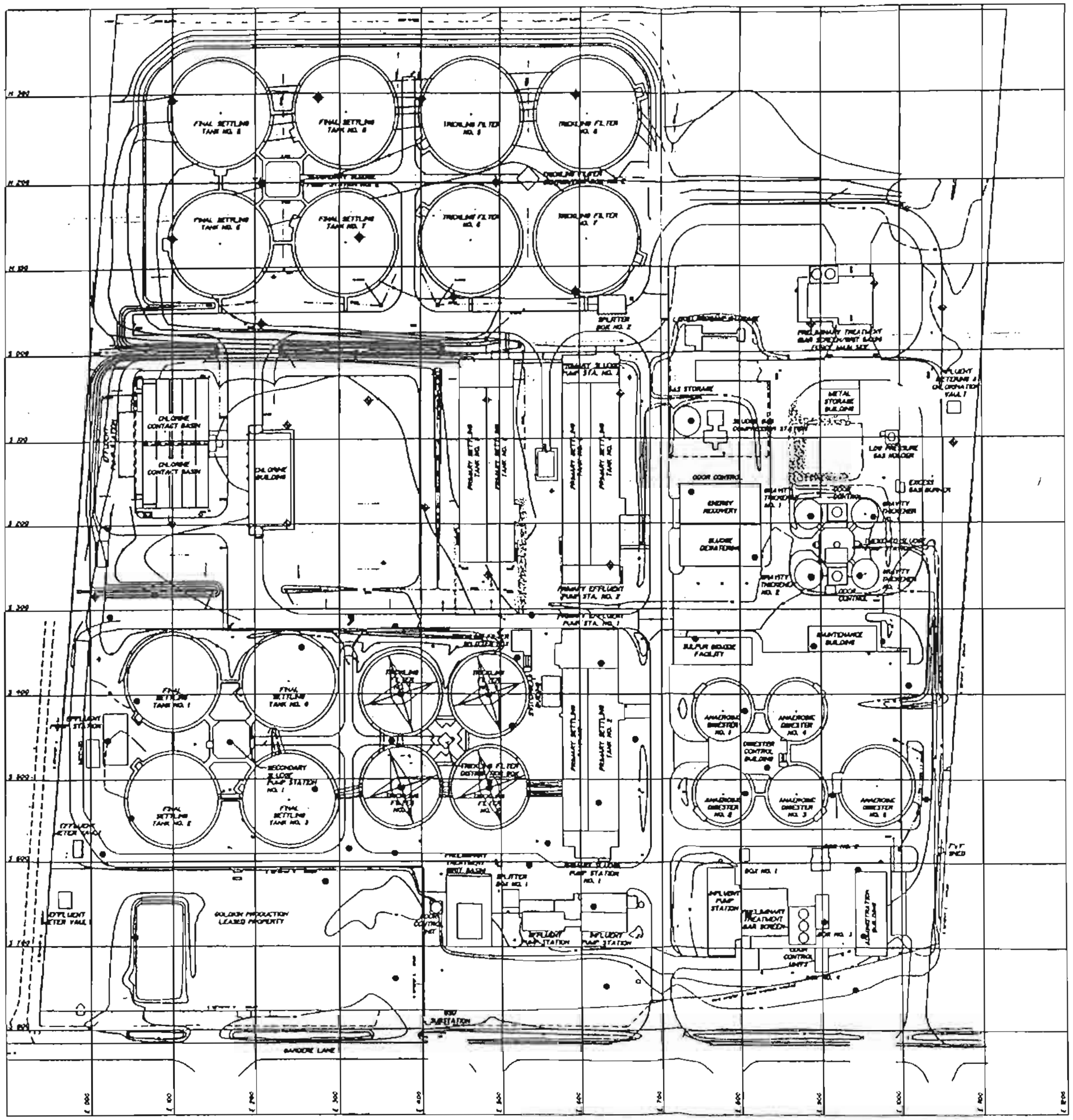
   c. A PROJECT IS UNDERWAY TO REDUCE THE HIGH CONCENTRATION OF HYDROGEN SULFIDE (H_2S).

   d.

   etc.

Passed by a majority/(unanimous) (circle one) vote of the CITY/PARISH METROPOLITAN COUNCIL, on December 10, 2003 (date).

Brian Mayers
Council Administrator/Treasurer
CLERK



1" = 60'

30 0 60

LEGEND:

▲ TBM TEMPORARY BENCHMARK ELEV 52.17 WEST SIDE OF SLAB FOR TRICKLING FILTER NO. 2

● BORINGS DRILLED IN 1966,1979 AND 1983

BORINGS DRILLED IN 1988

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. (S&A), OR PERRIS 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 8 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 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 #4's AT 12" C/C LONGITUDINALLY, WITH #4 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
JUSTIN E. MAYDELL, JR.
REG. No. 25321
PROFESSIONAL ENGINEER
CIVIL ENGINEERING

CAMP DRESSER & McKEE INC. CDM
RUSS ENGINEERING
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

ADOPTED
METROPOLITAN COUNCIL

06 RESOLUTION 42967

DEC 10 2003

COUNCIL ADMINISTRATOR/TREASURER

REQUESTING APPROVAL FOR SUBMITTAL OF THE LOUISIANA MUNICIPAL WATER POLLUTION PREVENTION (MWPP) ENVIRONMENTAL AUDIT REPORT FOR THE NORTH WASTEWATER TREATMENT PLANT AND THE SOUTH WASTEWATER TREATMENT PLANT TO THE STATE OF LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY (DEQ) FOR THE MONITORING PERIOD OF THE NORTH WASTEWATER TREATMENT PLANT FROM APRIL 1, 2002 THROUGH MARCH 31, 2003, AND THE SOUTH WASTEWATER TREATMENT PLANT FROM JUNE 1, 2002 THROUGH MAY 31, 2003.

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 and the South Wastewater Treatment Plant to the State of Louisiana Department of Environmental Quality (DEQ) for the monitoring period of the North Wastewater Treatment Plant from April 1, 2002 through March 31, 2003, and the South Wastewater Treatment Plant from June 1, 002 through May 31, 2003, is hereby approved.

Appendix C

MEMORANDUM

MWH
MONTGOMERY WATSON HARZA

To:	Kent Mudd	**Date:**	November 21, 2003
cc:	Bill McHie	**File No.**	SSO 4.7
From:	Jarrod Tramonte / Chris Young		
Subject:	Environmental Results Monitoring Program Phase I, Quarter 2 Results (Revised*)		

On February 21, 2003*, the City of Baton Rouge, Parish of East Baton Rouge (City/Parish) conducted the second 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 February 20-21 event is summarized graphically in Figure 2. Rainfall occurred at a high intensity during the early morning of February 21, with extended periods of low-intensity rainfall occurring before and afterward. 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 2

Location	Sample Time	Total Rainfall (in)	Peak Intensity (in/hr)
1 - Greenwell Springs Rd. & Comite River	10:50 am	2.60	5.48
2 - O'Neal Ln. & Jones Creek	11:17 am	2.19	4.60
3 - Highland Rd & Ward Creek	11:32 am	2.26	5.32
4 - Grand Lakes Dr. & Bayou Fountain	11:55 am	2.09	1.64

PROCEDURES

One grab sample was taken from each of the four designated sample sites between the hours of 10:50 a.m. and 11:55 a.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 with those outlined in the USEPA "Methods for Chemical Analysis of Water and Wastes", 1983, and USEPA "Test Methods for the Examination of Solid Waste—SW846", 1992.

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. Estimation of stream flow rates based on available gage height/elevation data recorded at USGS monitoring stations is currently being investigated. Gage height/elevation data from February 20-21, recorded at USGS stream flow monitoring stations upstream of each sample location, is shown in Figure 3.

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

	Sampling Location			
Parameter	**1-Comite River**	**2-Jones Creek**	**3-Ward Creek**	**4-Bayou Fountain**
Fecal Coliform (col/100 mL)	TNTC[1]	TNTC[1]	TNTC[1]	TNTC[1]
Fecal Streptococcus (col/100 mL)	2210	6130	5570	7320
Enterococcus (col/100 mL)	1860	1740	2210	2080
Total Rainfall (in)[2]	2.60	2.19	2.26	2.09
Gage Height (ft)[2]	34.2[3]	27.3	16.8 (N. Branch) 17.0 (Main Branch) 15.8 (Dawson Ck)	8.90

[1]Too numerous to count (>2000 colonies/100 mL)
[2]Values at time of sample collection
[3]Elevation (ft NGVD)

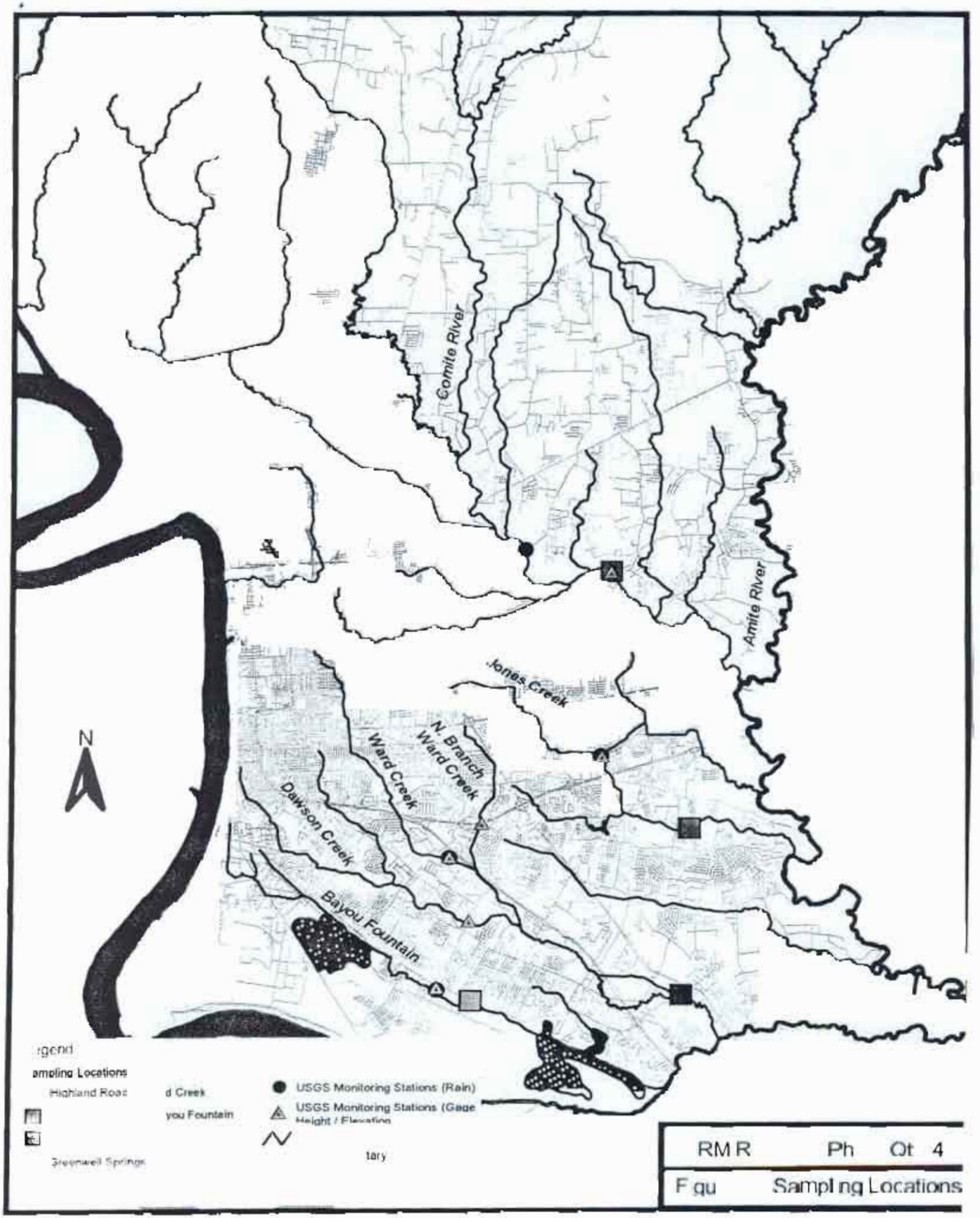

Comite River
Amite River
Jones Creek
N. Branch Ward Creek
Ward Creek
Dawson Creek
Bayou Fountain
N
:gend
ampling Locations
Highland Road
d Creek
you Fountain
Greenwell Springs
USGS Monitoring Stations (Rain)
USGS Monitoring Stations (Gage Height / Elevation
tary
RM R
Ph
Ot 4
F gu
Sampl ng Locations

Figure 2. February 20-21 Rainfall Summary

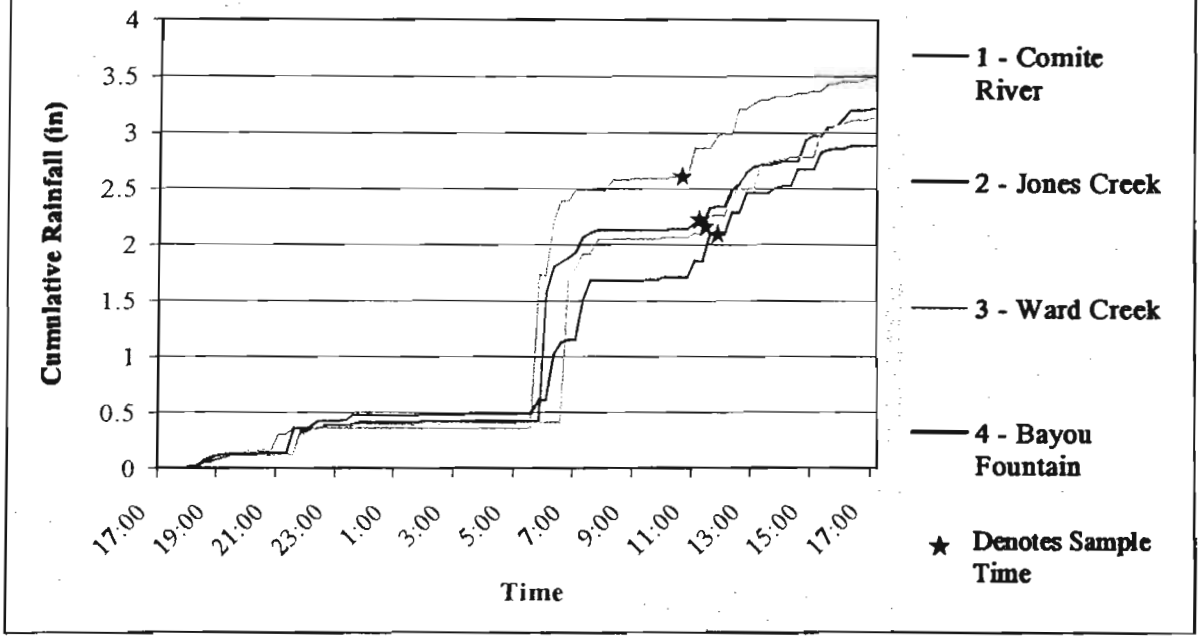
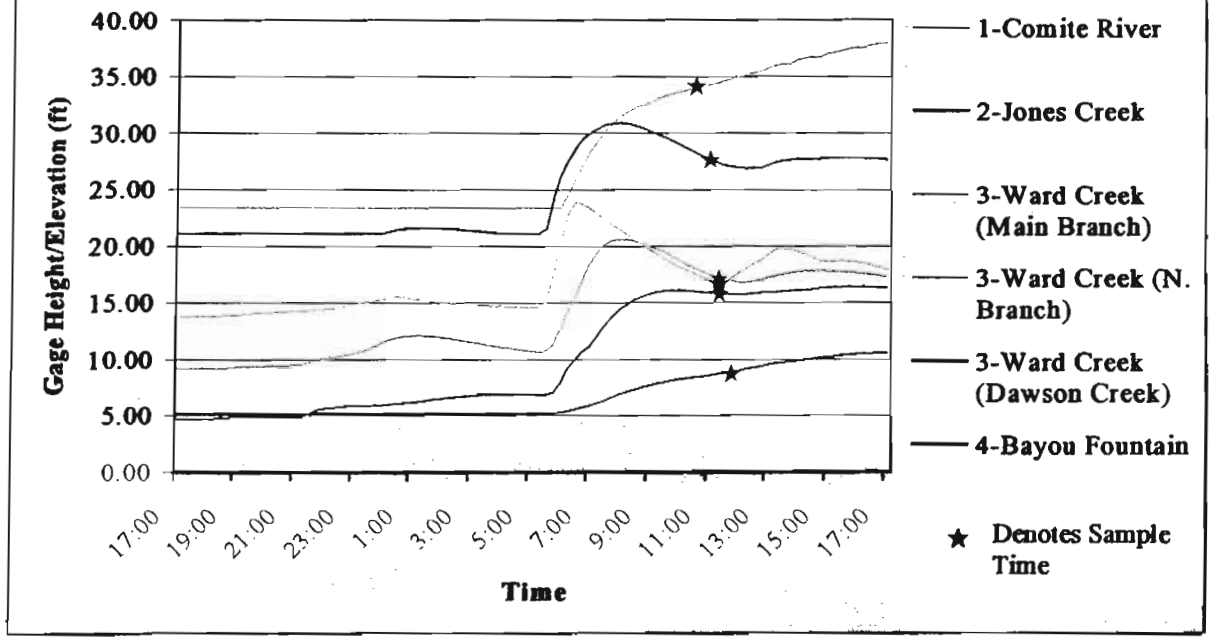


Figure 3. February 20-21 Gage Height/Elevation Summary



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

ANALYTICAL AND ENVIRONMENTAL TESTING, INC.

LELAP Certification: 01978

Corporate: 1717 Seaboard Drive • Baton Rouge, LA 70810 • 800-364-1930
Louisiana Division: Baton Rouge, LA • (225) 769-1930
Alabama Division: Mobile, AL • (334) 344-9915
Texas Division: Bryan, TX • (979) 778-2828

03/03/2003

Chris Young
MWH Americas
7742 Office Park Blvd Ste C-2
Baton Rouge, LA 70808-8636

Samples collected by MWH Americas
Samples delivered by MWH Americas
AET Project No.: 75091
Louisiana Division

Parameter	Analytical Result		Date Tested	Time Tested	Analyst	Method Number
**Client ID: Comite River/Grnwll Sps Rd 02/21/2003 10:50am Lab ID: 75091/01 Matrix: Water						
Fecal Coliform	TNTC(>2000)	col/100ml	02/21/2003	12:35pm	MAH/KFS	9222D
Fecal Enterococcus	1860	col/100ml	02/21/2003	2:35pm	MAH/KRD	9222D
Fecal Streptococci	2210	col/100ml	02/21/2003	2:35pm	MAH/KRD	9222D
**Client ID: Jones Creek/Oneal Lane 02/21/2003 11:17am Lab ID: 75091/02 Matrix: Water						
Fecal Coliform	TNTC(>2000)	col/100ml	02/21/2003	12:35pm	MAH/KFS	9222D
Fecal Enterococcus	1740	col/100ml	02/21/2003	2:35pm	MAH/KRD	9222D
Fecal Streptococci	6130	col/100ml	02/21/2003	2:35pm	MAH/KRD	9222D
**Client ID: Wards Creek/Highland Rd 02/21/2003 11:32am Lab ID: 75091/03 Matrix: Water						
Fecal Coliform	TNTC(>2000)	col/100ml	02/21/2003	12:35pm	MAH/KFS	9222D
Fecal Enterococcus	2210	col/100ml	02/21/2003	2:35pm	MAH/KRD	9222D
Fecal Streptococci	5570	col/100ml	02/21/2003	2:35pm	MAH/KRD	9222D
**Client ID: Bayou Fountain/Grand Lakes Dr 02/21/2003 11:55am Lab ID:75091/04 Matrix: Water						
Fecal Coliform	TNTC(>2000)	col/100ml	02/21/2003	12:35pm	MAH/KFS	9222D
Fecal Enterococcus	2080	col/100ml	02/21/2003	2:35pm	MAH/KRD	9222D
Fecal Streptococci	7320	col/100ml	02/21/2003	2:35pm	MAH/KRD	9222D

All of the above tests were performed as outlined in the U.S. E.P.A. "Methods for Chemical Analysis of Water and Wastes," 1983, "Standard Methods for the Examination of Water and Wastewater," 1989, and U.S. E.P.A. "Test Methods for the Evaluation of Solid Waste--SW846," 1992. Other methods as approved by the client are utilized. Detection limits are affected by dilution factors. (***=non AET personnel.)
Please note: Unless otherwise directed, the samples listed above will be retained no longer than 60 days and will be disposed of by laboratory staff.

Certification:

Jeffrey O. Teekell
Laboratory Director

ANALYTICAL AND ENVIRONMENTAL TESTING, INC.

Corporate: 1717 Seaboard Drive • Baton Rouge, LA 70810 • 800-364-1930
Louisiana Division: Baton Rouge, LA • (225) 769-1930
Alabama Division: Mobile, AL • (334) 344-9915
Texas Division: Bryan, TX • (979) 778-2828

03/03/2003

Quality Control Report
AET Project No.: 75091

Parameter	Analytical Result		True Value	Lower Limit	Upper Limit	Test Date	Batch Number
Fecal Coliform	Pos	col/100ml	pos			02/21/2003	311

Quality Control samples are placed in routine sample sets daily so that you may better interpret your test results. * EPA publication

Page 1 of 1

ANALYTICAL ENVIRONMENTAL TESTING, INC.

Analytical Request Form / Chain of Custody 21st Edition 04/2002

AET Project No.: 29091
Log In Person: JOT
Log In Date/Time: 2 21 03

Company: MWH Americas
Site Contact:
Report To: Chris Young
Address: 7742 Office Park Blvd C-2
City: Baton Rouge
State & Zip Code: LA 70808
Phone#: (225) 926-3991 - Ext.
FAX#: (225) 926-4886 - Ext.

SAMPLER

Authorized By:

Sampler: [X] Client [ ] AET
Transporter: [X] Client [ ] AET
Bottles: [ ] Client [X] AET

Matrix Codes	Turnaround	Surcharge
	Hrs.	200%
A=Water	[ ] 24 hrs.	150%
B=Sludge	[ ] 48 hrs.	100%
C=Soil	[X] 1 week	50%
D=Oil	[ ] 2 weeks	
E=Acid	[ ] 3 weeks	
F=Caustic		
G=100% Organic		
H=Other		

NOTE: Multiphase MUST BE split into separate subsamples

CHAIN OF CUSTODY

Relinquished by: Jason Burn
Date: 2/21/03 Time: 12:10 PM
Received by: JOT
Date: 2 21 03 Time: 12:10 PM

Relinquished by:
Date: Time:
Received by:
Date: Time:

Relinquished by:
Date: Time:
Received by:
Date: Time:

Relinquished by:
Date: Time:
Received by:
Date: Time:

Sample Site: or Client ID:	Conzte River / Greenwell Springs Rd	James Creek / O'Neal Lane	Wards Creek / Highland Rd	Bayou Fountain / Grand Lakes Dr.
Sample Date	2/21/03	2/21/03	2/21/03	2/21/03
SampleTime:	10:50 AM	11:17am	11:32 AM	11:55am
Matrix Code:	A	A	A	A
Storage Upon Arrival At Lab	Temp 4 C ICE (Y) N	Temp 4 C ICE (Y) N	Temp 4 C ICE (Y) N	Temp 4 C ICE (Y) N
AET Sample No.	1	2	3	4

Division: BTR

Client Type: [ ] DPW [ ] NPDES [ ] RCRA [ ] Drinking Water [X] Other

Approved

All samples are preserved per EPA protocol

		1	2	3	4	Comments
Alkalinity	(Alk)	[ ]	[ ]	[ ]	[ ]	
Ammonia Nitrogen	(NH3)	[ ]	[ ]	[ ]	[ ]	
Ash	(Ash)	[ ]	[ ]	[ ]	[ ]	
BOD-5 day	(BOD)	[ ]	[ ]	[ ]	[ ]	
Bromide	(Br)	[ ]	[ ]	[ ]	[ ]	
BTU	(BTU)	[ ]	[ ]	[ ]	[ ]	
Chloride	(Cl)	[ ]	[ ]	[ ]	[ ]	
Chlorine, Res.	(TRC)	[ ]	[ ]	[ ]	[ ]	Date: Time: Analyst:
COD	(COD)	[ ]	[ ]	[ ]	[ ]	
Color	(Color)	[ ]	[ ]	[ ]	[ ]	
Conductivity	(Cond)	[ ]	[ ]	[ ]	[ ]	
Cyanide	(CN)	[ ]	[ ]	[ ]	[ ]	
Cyanide-ATC	(CNATC)	[ ]	[ ]	[ ]	[ ]	
Density	(DEN)	[ ]	[ ]	[ ]	[ ]	
Dissolved Oxygen	(DO)	[ ]	[ ]	[ ]	[ ]	Date: Time:
Flow (GPM)(field)	(Flow)	[ ]	[ ]	[ ]	[ ]	Analyst:
Fluoride	(F)	[ ]	[ ]	[ ]	[ ]	
Halogens, Total	(TX)	[ ]	[ ]	[ ]	[ ]	
Hardness	(Hard)	[ ]	[ ]	[ ]	[ ]	
Moisture%	(%M)	[ ]	[ ]	[ ]	[ ]	
Nitrate / Nitrite	(N/N)	[ ]	[ ]	[ ]	[ ]	
Nitrate	(NO3)	[ ]	[ ]	[ ]	[ ]	
Oil & Grease	(O&G)	[ ]	[ ]	[ ]	[ ]	
pH (field)	(pH)	[ ] SU	[ ] SU	[ ] SU	[ ] SU	Date: Time: Analyst:
Phenol	(Phenol)	[ ]	[ ]	[ ]	[ ]	
Phosphorus, Ortho	(O Phos)	[ ]	[ ]	[ ]	[ ]	
Phosphorus, Total	(T Phos)	[ ]	[ ]	[ ]	[ ]	
Solids, Total	(TS)	[ ]	[ ]	[ ]	[ ]	
Sulfate	(SO4)	[ ]	[ ]	[ ]	[ ]	
Sulfide	(S2)	[ ]	[ ]	[ ]	[ ]	
Sulfur, Total	(T Sulfur)	[ ]	[ ]	[ ]	[ ]	
Surfactants	(Surf)	[ ]	[ ]	[ ]	[ ]	
TDS	(TDS)	[ ]	[ ]	[ ]	[ ]	
Temperature (field)	(Temp)	[ ] C	[ ] C	[ ] C	[ ] C	Date: Time: Analyst:
Thiocyanate	(SCN)	[ ]	[ ]	[ ]	[ ]	
TKN	(TKN)	[ ]	[ ]	[ ]	[ ]	
TOC	(TOC)	[ ]	[ ]	[ ]	[ ]	
TON	(TON)	[ ]	[ ]	[ ]	[ ]	
TOX	(TOX)	[ ]	[ ]	[ ]	[ ]	
TPHC	(TPHC)	[ ]	[ ]	[ ]	[ ]	
TSS	(TSS)	[ ]	[ ]	[ ]	[ ]	
Turbidity	(Turb)	[ ]	[ ]	[ ]	[ ]	
VSS	(VSS)	[ ]	[ ]	[ ]	[ ]	

NOTE: A Positive Response Below Mandates Additional Information on Back Page!!

METALS, Total	[ ]	[ ]	[ ]	[ ]
RCRA Hazardous Waste	[ ]	[ ]	[ ]	[ ]
RADIOLOGICAL	[ ]	[ ]	[ ]	[ ]
SPECIFIC ORGANICS	[ ]	[ ]	[ ]	[ ]
MICROBIOLOGY	[X]	[X]	[X]	[X]
BIOASSAY/BIOTOXICITY	[ ]	[ ]	[ ]	[ ]
OTHER (Define)	[ ]	[ ]	[ ]	[ ]

(OVER)

Analytical & Environmental Testing, Inc.

Sample Receipt Check List

filename:g:\chcklist\ck_sample.xls

Client:	Project Number: 5091
Login Person: JST	

Samples received by [AET, UPS, FedEx, BUS] circle one

	YES	NO	Comments
COC Present, Correct, & Complete? (name/address,sample id, division, client type)	✓		
Custody Seal on Shipping Container?		✓	
Custody Seal on Bottles?	✓		
Temperature of Storage Container on COC?	✓		
Samples delivered on ice?	✓		
Samples Received Intact (none Broken)?	✓		
Zero Headspace VOA/TOX?	N/A		
Correct Sample Containers?	✓		
Adequate Volume Provided?	✓		
Samples Preseved?	✓		
Samples received within Holding Time?	✓		
COC and Sample Labels Agree?	✓		

MEMORANDUM

MWH
MONTGOMERY WATSON HARZA

To:	Kent Mudd	**Date:**	July 1, 2003
cc:	Bill McHie	**File No.**	SSO 4.7
From:	Jarrod Tramonte / Chris Young		
Subject:	Environmental Results Monitoring Program Phase I, Quarter 3 Results		

On April 8, 2003, the City of Baton Rouge, Parish of East Baton Rouge (City/Parish) conducted the third 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 April 7-8 event is summarized graphically in Figure 2. Rainfall began with relatively low volume and intensity during the morning of April 7 and continued until the morning hours of April 8. Peak rainfall intensity was recorded in the late evening hours of April 7. 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 3

Location	Sample Time	Total Rainfall (in)	Peak Intensity (in/hr)
1 - Greenwell Springs Rd. & Comite River	10:00 am	3.51	3.20
2 - O'Neal Ln. & Jones Creek	10:20 am	5.94	5.44
3 - Highland Rd & Ward Creek	10:42 am	5.92	6.72
4 - Grand Lakes Dr. & Bayou Fountain	10:54 am	4.73	4.48

PROCEDURES

One grab sample was taken from each of the four designated sample sites between the hours of 10:00 a.m. and 10:54 a.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 with those outlined in the USEPA "Methods for Chemical Analysis of Water and Wastes", 1983, and USEPA "Test Methods for the Examination of Solid Waste—SW846", 1992.

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. Estimation of stream flow rates based on available gage height/elevation data recorded at USGS monitoring stations is currently being investigated. Gage height/elevation data from April 7-8, recorded at USGS stream flow monitoring stations upstream of each sample location, is shown in Figure 3.

Table 2. WQ Sampling results for Phase I, Quarter 3

	Sampling Location			
Parameter	**1-Comite River**	**2-Jones Creek**	**3-Ward Creek**	**4-Bayou Fountain**
Fecal Coliform (col/100 mL)	188	350	>1,600	>1,600
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]	3.51	5.94	5.92	4.73
Gage Height (ft)[2]	35.6[3]	29.2	18.7 (N. Branch) 18.8 (Main Branch) 18.0 (Dawson Ck)	11.3

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

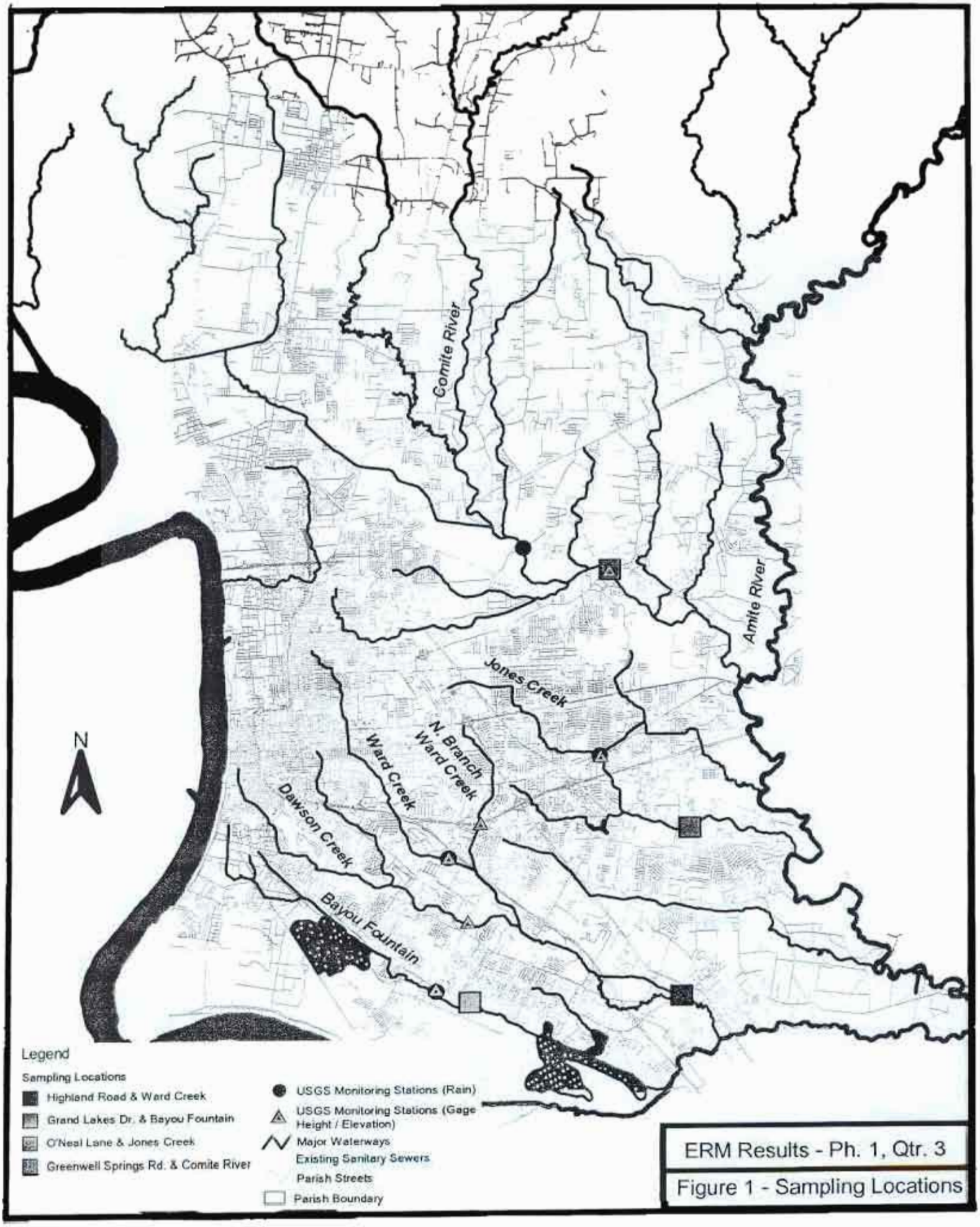

Comite River
Amite River
Jones Creek
N. Branch Ward Creek
Ward Creek
Dawson Creek
Bayou Fountain
N
Legend
Sampling Locations
Highland Road & Ward Creek
Grand Lakes Dr. & Bayou Fountain
O'Neal Lane & Jones Creek
Greenwell Springs Rd. & Comite River
USGS Monitoring Stations (Rain)
USGS Monitoring Stations (Gage Height / Elevation)
Major Waterways
Existing Sanitary Sewers
Parish Streets
Parish Boundary
ERM Results - Ph. 1, Qtr. 3
Figure 1 - Sampling Locations

Figure 2. April 7-8 Rainfall Summary

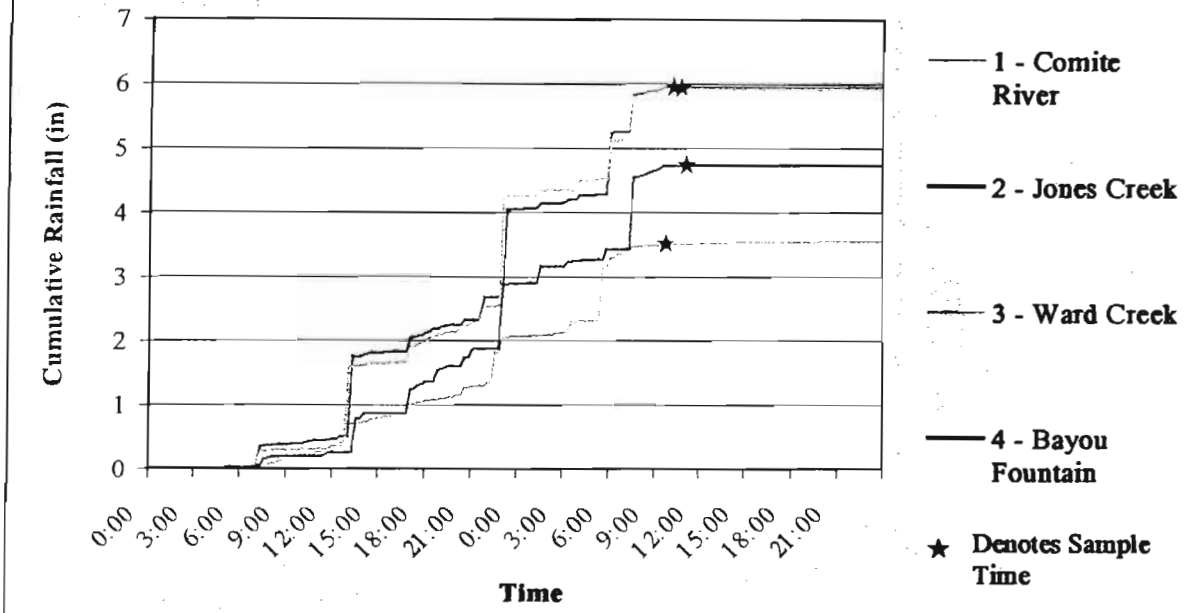
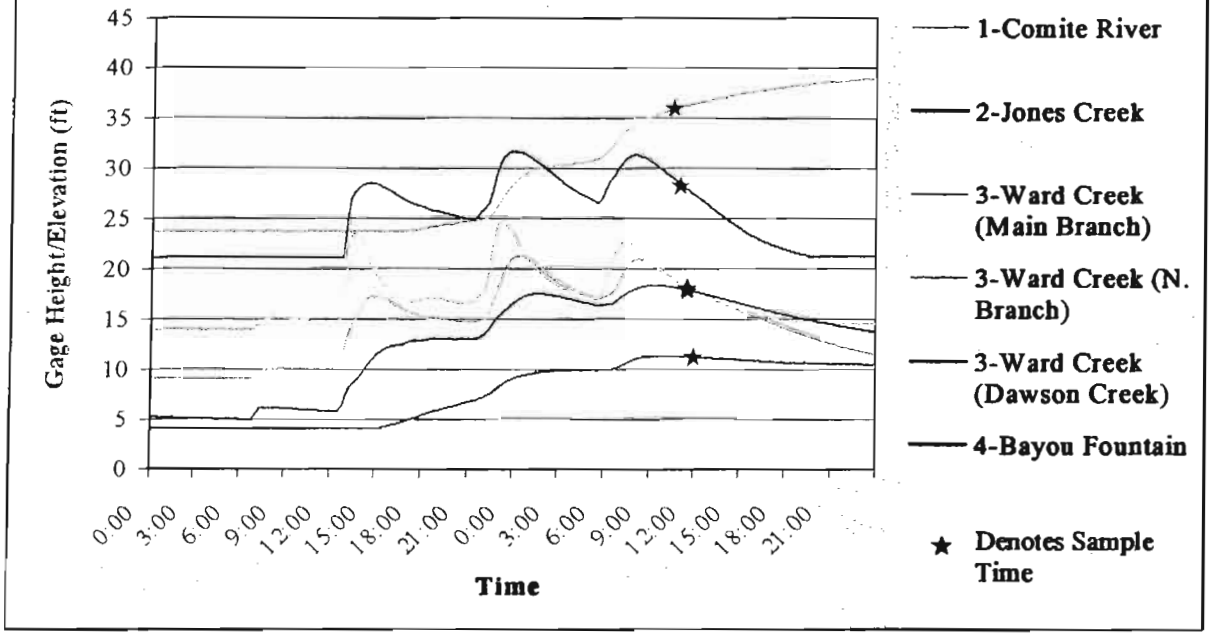


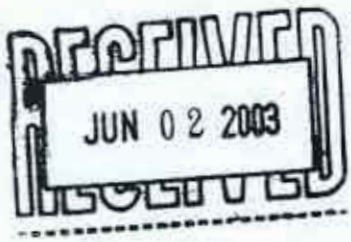
Figure 3. April 7-8 Gage Height/Elevation Summary



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 # 75795 - 75798

CONTRACTOR: MONTGOMERY WATSON HARZA (MWH)
7742 OFFICE BLVD. SUITE C-2
BATON ROUGE , LA 70809
ATTN: CHRIS YOUNG FAX: 225-926-4886

NUMBER OF PAGES: 6

DATE OF REPORT: APRIL 17, 2003

QUALITY REVIEW: _____

LAB DIRECTOR: Carolyn Shiver

Laboratory & Analytical Business Services, inc.

Certificate of Analysis

CERTIFICATE #: 01956
DATE: APRIL 17, 2003

CONTRACTOR: MWH AMERICAS

DATE SAMPLED: 04/08/03 @ 10:00 AM
DATE RECEIVED: 04/08/03 @ 2:00 PM
REPORT COMPLETE 04/17/2003

LOCATION:
SAMPLE ID: #1 - COMITA RIVER

LAB # 75795

LABORATORY REPORT

PARAMETER	RESULTS	UNIT	METHOD	DATE/TIME/ANALYST
FECAL COLIFORMS	188	MPN COL/100 ML	STD M 9221 E	ON: 4/8 @ 2:30 -CS OFF: 4/10 @ 2:14 -CS
STREPTOCOCCUS	ND	MPN/COL	STD M 9230 B	4/8 @ 2:51 C SHIVER
ENTEROCOCCI	ND	MPN/COL	STD M 9230 B	4/8 @ 3:22 C SHIVER

*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.

ND = none detected

ATTEST: Tina Jobe

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

Laboratory & Analytical Business Services, inc.

Certificate of Analysis

CERTIFICATE #: 01956
DATE: APRIL 17, 2003

CONTRACTOR: MWH AMERICAS

DATE SAMPLED: 04/08/03 @ 10:20 AM
DATE RECEIVED: 04/08/03 @ 2:00 PM
REPORT COMPLETE 04/17/2003

LOCATION:
SAMPLE ID: #2 - JONES CREEK

LAB # 75796

LABORATORY REPORT

PARAMETER	RESULTS	UNIT	METHOD	DATE/TIME/ANALYST
FECAL COLIFORMS	350	MPN COL/100 ML	STD M 9221 E	ON: 4/8 @ 2:34 -CS OFF: 4/10 @ 2:16 -CS
STREPTOCOCCUS	ND	MPN/COL	STD M 9230 B	4/8 @ 2:55 C SHIVER
ENTEROCOCCI	ND	MPN/COL	STD M 9230 B	4/8 @ 3:26 C SHIVER

*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.

ND = none detected

ATTEST: Dina Jones

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CERTIFICATE #: 01956
DATE: APRIL 17, 2003

CONTRACTOR: MWH AMERICAS

DATE SAMPLED: 04/08/03 @ 10:42 AM
DATE RECEIVED: 04/08/03 @ 2:00 PM
REPORT COMPLETE 04/17/2003

LOCATION:
SAMPLE ID: #3 - WARDS CREEK

LAB # 75797

LABORATORY REPORT

PARAMETER	RESULTS	UNIT	METHOD	DATE/TIME/ANALYST
FECAL COLIFORMS	>1600	MPN COL/100 ML	STD M 9221 E	ON: 4/8 @ 2:38 -CS OFF: 4/10 @ 2:18 -CS
STREPTOCOCCUS	ND	MPN/COL	STD M 9230 B	4/8 @ 2:57 C SHIVER
ENTEROCOCCI	ND	MPN/COL	STD M 9230 B	4/8 @ 3:30 C SHIVER

*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.

ND = none detected

ATTEST:

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CERTIFICATE #: 01956
DATE: APRIL 17, 2003

CONTRACTOR: MWH AMERICAS
LOCATION:
SAMPLE ID: #4 - BAYOU FOUNTAIN

DATE SAMPLED: 04/08/03 @ 10:54 AM
DATE RECEIVED: 04/08/03 @ 2:00 PM
REPORT COMPLETE 04/17/2003

LAB # 75798

LABORATORY REPORT

PARAMETER	RESULTS	UNIT	METHOD	DATE/TIME/ANALYST
FECAL COLIFORMS	>1600	MPN COL/100 ML	STD M 9221 E	ON: 4/8 @ 2:42 -CS OFF: 4/10 @ 2:20 -CS
STREPTOCOCCUS	ND	MPN/COL	STD M 9230 B	4/8 @ 2:59 C SHIVER
ENTEROCOCCI	ND	MPN/COL	STD M 9230 B	4/8 @ 3:36 C SHIVER

*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.

ND = none detected

ATTEST: Lina Johnson

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COMMETS.

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 - pnp PERMITTED
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 precaration exceed holding times prior to completion
L	Results based on dry wt. calculation
M	Results based on wet wt. calculation

METHOD REFERENCES.

EPA 1	Methods for Chemical Analysis of Water and Wastes: USEPA Office of Researcn 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 Researcn 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 1993.
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
RL	LIMIT The minimum amount of the analyte that can be detected utilizing this method

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Laboratory & Analytical Business Services

LABORATORY & ANALYTICAL BUSINESS SERVICES (LABS)
600 LOIRE AVENUE • LAFAYETTE, LA 7[illegible]
OFFICE: 337-896-7749 • FAX: 337-896-7652

CHAIN OF CUSTODY RECORD

COMPANY: MW & Americas | PURCHASE ORDER #/JOB #: | CONTACT: Chris Young

SAMPLED BY: TRB & JT | HOURS: | MILES: | EXPENSES: | RENTAL FEES:

SAMPLE #	DATE	TIME	SAMPLE DESCRIPTION/LEASE	# CONTAINERS	ANALYSIS REQUESTED
1	4/8	10:00am	Comita River Water Sample	1	Fecal Coliform Fecal Strep. Enterococcus
2	4/8		Jones Creek water sample	1	"
3	4/8		Wards Creek water sample	1	"
	4/8	10:54am	Bayou Fountain water sample	1	

RELINQUISHED BY: (SIGNATURE) — DATE/TIME: 4/8/03 10:05 AM — RECEIVED BY: (SIGNATURE)

RELINQUISHED BY: (SIGNATURE) — DATE/TIME: 4/8 2:00 — RECEIVED BY: (SIGNATURE)

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

COMMENTS:

MEMORANDUM

MWH
MONTGOMERY WATSON HARZA

To:	Kent Mudd	**Date:**	October 24, 2003
cc:	Bill McHie	**File No.**	SSO 4.7
From:	Jarrod Tramonte / Chris Young		
Subject:	Environmental Results Monitoring Program Phase I, Quarter 4 Results		

On August 12, 2003, the City of Baton Rouge, Parish of East Baton Rouge (City/Parish) conducted the fourth 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 August 12 event is summarized graphically in Figure 2. The event had a relatively short duration, with high-intensity rainfall occurring during the late morning hours of August 12. 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 4

Location	Sample Time	Total Rainfall (in)	Peak Intensity (in/hr)
1 - Greenwell Springs Rd. & Comite River	3:33 p.m.	3.26	6.08
2 - O'Neal Ln. & Jones Creek	3:50 p.m.	1.43	4.40
3 - Highland Rd & Ward Creek	4:00 p.m.	2.69	10.68
4 - Grand Lakes Dr. & Bayou Fountain	3:45 p.m.	2.47	8.24

PROCEDURES

One grab sample was taken from each of the four designated sample sites between the hours of 3:30 p.m. and 4:00 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 with those outlined in the USEPA "Methods for Chemical Analysis of Water and Wastes", 1983, and USEPA "Test Methods for the Examination of Solid Waste—SW846", 1992.

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. Estimation of stream flow rates based on available gage height/elevation data recorded at USGS monitoring stations is currently being investigated. Gage height/elevation data from August 12, recorded at USGS stream flow monitoring stations upstream of each sample location, is shown in Figure 3.

Table 2. WQ Sampling results for Phase I, Quarter 4

	Sampling Location			
Parameter	**1-Comite River**	**2-Jones Creek**	**3-Ward Creek**	**4-Bayou Fountain**
Fecal Coliform (col/100 mL)	59	>2,400	>2,400	>2,400
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]	3.26	1.43	2.69	2.47
Gage Height (ft)[2]	27.3[3]	27.0	15.4 (N. Branch) 15.7 (Main Branch) 14.4 (Dawson Ck)	7.6

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

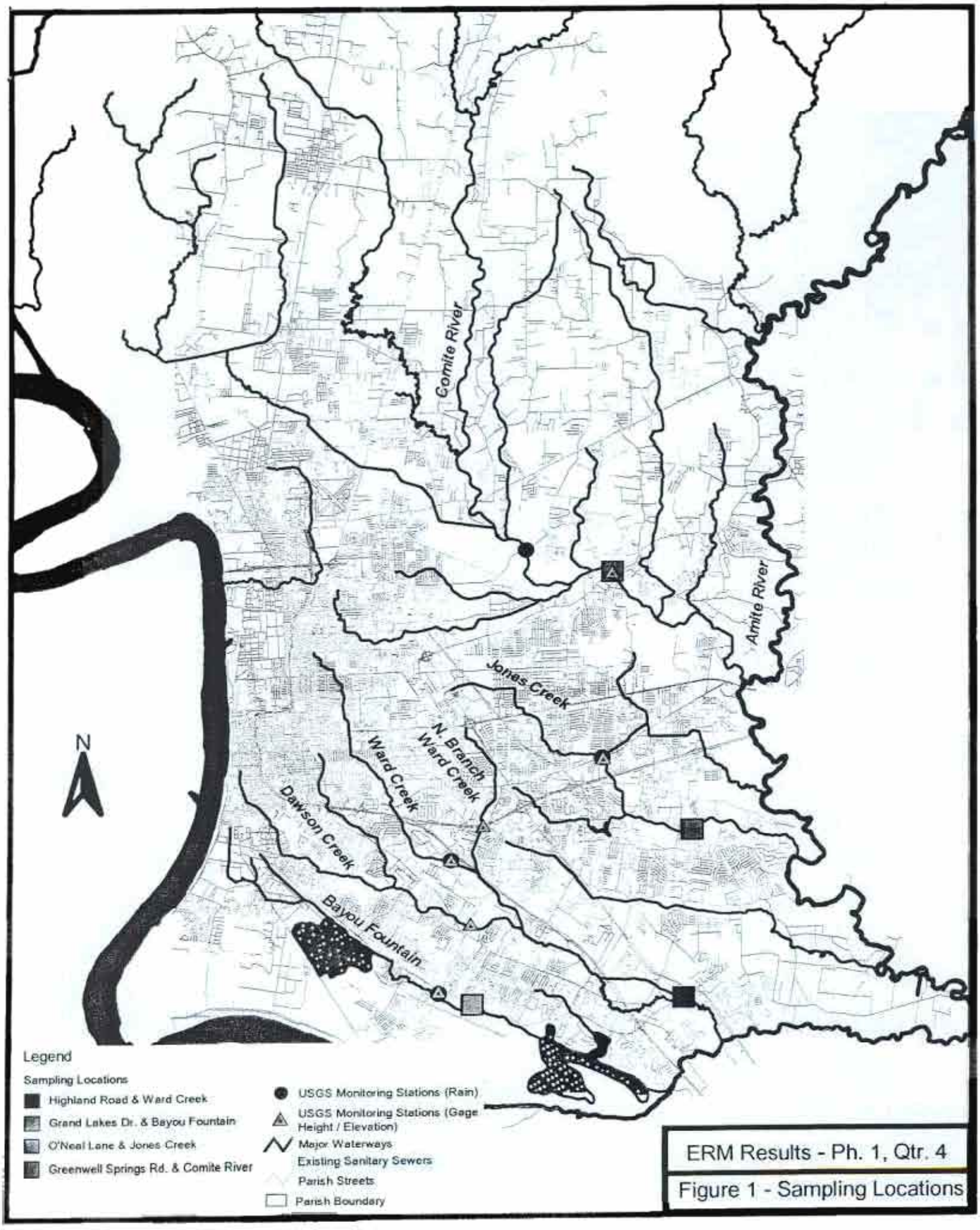

Comite River
Amite River
Jones Creek
N. Branch Ward Creek
Ward Creek
Dawson Creek
Bayou Fountain
N
Legend
Sampling Locations
Highland Road & Ward Creek
Grand Lakes Dr. & Bayou Fountain
O'Neal Lane & Jones Creek
Greenwell Springs Rd. & Comite River
USGS Monitoring Stations (Rain)
USGS Monitoring Stations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

Figure 2. August 12 Rainfall Summary

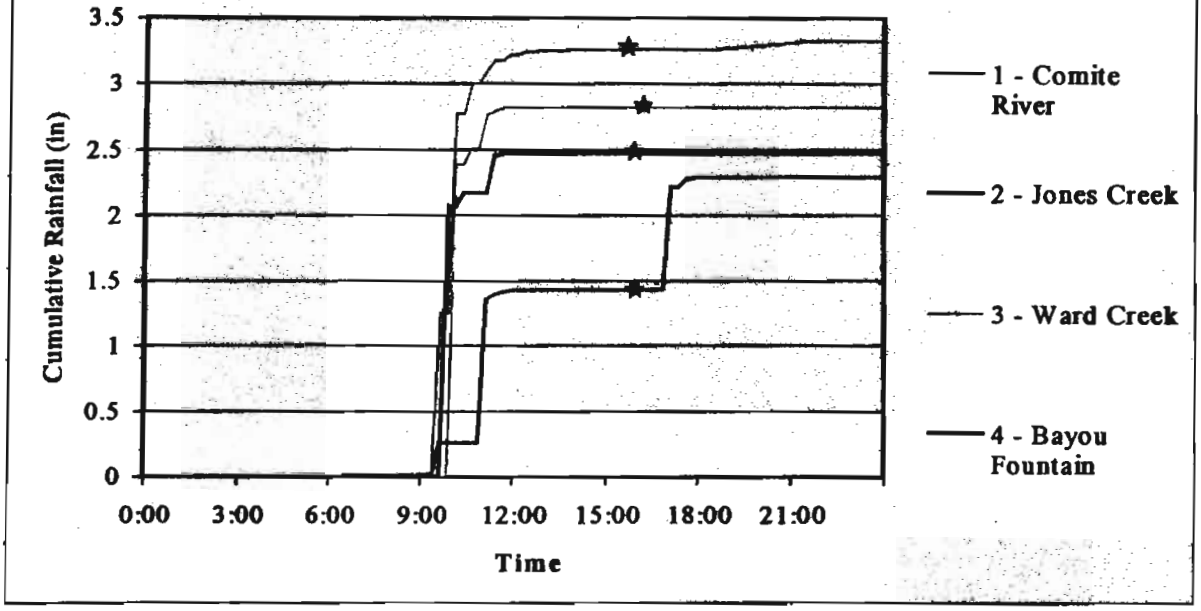
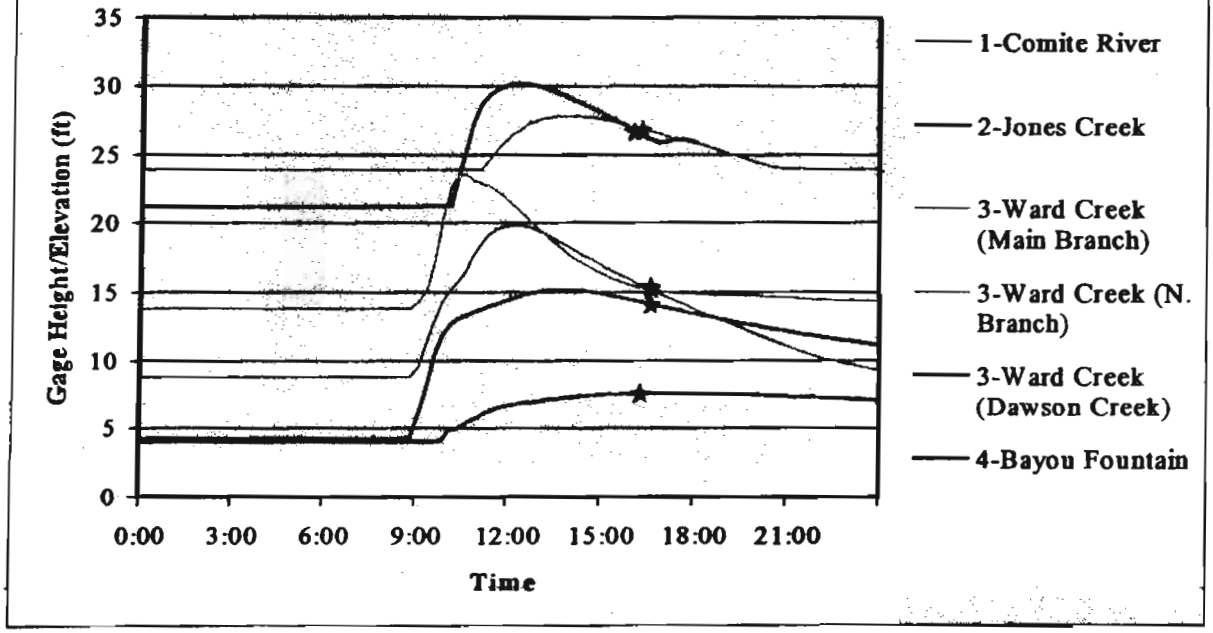


Figure 3. August 12 Gage Height/Elevation Summary



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

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Certificate of Analysis

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OCT 27 2003

CERTIFICATE #: 01956
DATE: AUGUST 20, 2003

CONTRACTOR: MWH AMERICA

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DATE RECEIVED: 8/12/03 @ 5:30 PM
REPORT COMPLETE 8/20/03 @ 9:00 AM

SAMPLE #: # 1 COMITE R / GREENWELL
SAMPLE ID: WATER SAMPLE

LAB # 77198

LABORATORY REPORT

PARAMETER	RESULTS	UNITS	DET LIMIT/UNIT	METHOD	DATE/TIME/ANA
FECAL COLIFORMS	59	MPN COL/100 ML	1 MPN COL/100 ML	STD M 9221E	ON: 8/12 @ 5:35 PM A OFF: 8/14 @ 5:3 PM

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

ATTEST: C Sh

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DATE: AUGUST 20, 2003

CO MWH AMERICA

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DATE RECEIVED: 8/12/03 @ 5:30 PM
REPORT COMPLETE 8/20/03 @ 9:00 AM

SA # 2 COMITE R / GREENWELL
SA WATER SAMPLE

LA 77199

LABORATORY REPORT

PA	RESULTS	UNITS	DET LIMIT/UNIT	METHOD	DATE/TIME/ANA
NTERROCOCCUS	ND	MPN COL/100 ML	1 MPN COL/100 ML	STD M 9230 B	ON: 8/12 @ 6:00 PM

STD M = STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, 17TH - 20TH EDITION,

ATTEST

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CERTIFICATE #: 01956
DATE: AUGUST 20, 2003

CONTRACTOR: MWH AMERICA
DATE SAMPLED: 8/12/03 @ 3:50 PM
DATE RECEIVED: 8/12/03 @ 5:30 PM
SAMPLE #: # 5 JONES CREEK / O'NEAL
REPORT COMPLETE 8/20/03 @ 9:00 AM
SAMPLE ID: WATER SAMPLE

LAB # 77202

LABORATORY REPORT

PARAMETER	RESULTS	UNITS	DET LIMIT/UNIT	METHOD	DATE/TIME/ANA
ENTERROCOCCUS	ND	MPN COL/100 ML	1 MPN COL/100 ML	STD M 9230 B	ON: 8/12 @ 6:15 PM

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

ATTEST: _____

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CERTIFICATE #: 01956
DATE: AUGUST 20, 2003

CONTRACTOR: MWH AMERICA

SAMPLE #: # 6 JONES CREEK / O'NEAL
SAMPLE ID: WATER SAMPLE

DATE SAMPLED: 8/12/03 @ 3:50 PM
DATE RECEIVED: 8/12/03 @ 5:30 PM
REPORT COMPLETE 8/20/03 @ 9:00 AM

LAB # 77203

LABORATORY REPORT

PARAMETER	RESULTS	UNITS	DET LIMIT/UNIT	METHOD	DATE/TIME/ANA
FECAL STREPTOCOCCUS	ND	MPN COL/100 ML	1 MPN COL/100 ML	STD M 9230 B	ON: 8/12 @ 6:5[illegible]F

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

ATTEST: C. Shu

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CERTIFICATE #: 01956
DATE: AUGUST 20, 2003

CONTRACTOR: MWH AMERICA
SA[illegible]: # 7 WARDS CREEK / HIGHLAND
SA[illegible]: WATER SAMPLE
LA[illegible] 77204

DATE SAMPLED: 8/12/03 @ 3:45 PM
DATE RECEIVED: 8/12/03 @ 5:30 PM
REPORT COMPLETE 8/20/03 @ 9:00 AM

LABORATORY REPORT

PARAMETER	RESULTS	UNITS	DET LIMIT/UNIT	METHOD	DATE/TIME/ANA
FECAL COLIFORMS	> 2400	MPN COL/100 ML	1 MPN COL/100 ML	STD M 9221E	ON: 8/12 @ 6:05 P[illegible] A OFF: 8/14 @ 6:07 [illegible]M

STD M = STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, [illegible]TH - 20TH EDITION,

TH[illegible]
OF [illegible]

ATTEST: [signature]

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CERTIFICATE #: 01956
DATE: AUGUST 20, 2003

CONTRACTOR: MWH AMERICA

DATE SAMPLED: 8/12/03 @ 3:45 PM
DATE RECEIVED: 8/12/03 @ 5:30 PM
REPORT COMPLETE 8/20/03 @ 9:00 AM

SAMPLE #: # 8 WARDS CREEK / HIGHLAND
SAMPLE ID: WATER SAMPLE

LAB # 77205

LABORATORY REPORT

PARAMETER	RESULTS	UNITS	DET LIMIT/UNIT	METHOD	DATE/TIME/ANA
ENTERROCOCCUS	ND	MPN COL/100 ML	1 MPN COL/100 ML	STD M 9230 B	ON: 8/12 @ 6:20

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

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CERTIFICATE #: 01956
DATE: AUGUST 20, 2003

CONTRACTOR: MWH AMERICA

DATE SAMPLED: 8/12/03 @ 3:45 PM
DATE RECEIVED: 8/12/03 @ 5:30 PM
REPORT COMPLETE 8/20/03 @ 9:00 AM

SAMPLE #: # 9 WARDS CREEK / HIGHLAND
SAMPLE ID: WATER SAMPLE

LAB # 77206

LABORATORY REPORT

PARAMETER	RESULTS	UNITS	DET LIMIT/UNIT	METHOD	DATE/TIME/ANA
CAL STREPTOCOCCUS	ND	MPN COL/100 ML	1 MPN COL/100 ML	STD M 9230 B	ON: 8/12 @ 6:42 PM

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

ATTEST: C Shea

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CERTIFICATE #: 01956
DATE: AUGUST 20, 2003

CONTRACTOR: MWH AMERICA

DATE SAMPLED: 8/12/03 @ 4:00 PM
DATE RECEIVED: 8/12/03 @ 5:30 PM
REPORT COMPLETE 8/20/03 @ 9:00 AM

SAMPLE #: # 10 BAYOU FOUNTAIN GRAND LAKE
SAMPLE ID: WATER SAMPLE

LAB # 77207

LABORATORY REPORT

PARAMETER	RESULTS	UNITS	DET LIMIT/UNIT	METHOD	DATE/TIME/ANA
FECAL COLIFORMS	> 2400	MPN COL/100 ML	1 MPN COL/100 ML	STD M 9221E	ON: 8/12 @ 6:20 P OFF: 8/14 @ 6:2

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

ATTEST: _____

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Laboratory & Analytical Business Services, inc.

Certificate of Analysis

CERTIFICATE #: 01956
DATE: AUGUST 20, 2003

CONTRACTOR: MWH AMERICA
DATE SAMPLED: 8/12/03 @ 4:00 PM
DATE RECEIVED: 8/12/03 @ 5:30 PM
SAMPLE #: # 11 BAYOU FOUNTAIN / GRANK LAKES
REPORT COMPLETE 8/20/03 @ 9:00 AM
SAMPLE ID: WATER SAMPLE

LAB # 77208

LABORATORY REPORT

PARAMETER	RESULTS	UNITS	DET LIMIT/UNIT	METHOD	DATE/TIME/ANA
ENTERROCOCCUS	ND	MPN COL/100 ML	1 MPN COL/100 ML	STD M 9230 B	ON: 8/12 @ 6:30 PM

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

ATTEST: _____

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CERTIFICATE #: 01956
DATE: AUGUST 20, 2003

CONTRACTOR: MWH AMERICA
DATE SAMPLED: 8/12/03 @ 4:00 PM
DATE RECEIVED: 8/12/03 @ 5:30 PM
SAMPLE #: # 12 BAYOU FOUNTAIN / GRANK LAKES
SAMPLE ID: WATER SAMPLE
REPORT COMPLETE 8/20/03 @ 9:00 AM

LAB # 77209

LABORATORY REPORT

PARAMETER	RESULTS	UNITS	DET LIMIT/UNIT	METHOD	DATE/TIME/ANA
FECAL STREPTOCOCCUS	ND	MPN COL/100 ML	1 MPN COL/100 ML	STD M 9230 B	ON: 8/12 @ 6:36P

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

ATTEST: C Shu

Laboratory & Analytical Business Services, inc.

Certificate of Analysis

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
	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.
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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 199
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, 1996
BAM	Bactenological 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)

Laboratory & Analytical Business Services, inc.

Certificate of Analysis

CERTIFICATE #: 01956
DATE: AUGUST 20, 2003

CONTRACTOR: MWH AMERICA

SAMPLE #: # 3 COMITE R / GREENWELL
SAMPLE ID: WATER SAMPLE

DATE SAMPLED: 8/12/03 @ 3:33 PM
DATE RECEIVED: 8/12/03 @ 5:30 PM
REPORT COMPLETE 8/20/03 @ 9:00 AM

LAB # 77200

LABORATORY REPORT

PARAMETER	RESULTS	UNITS	DET LIMIT/UNIT	METHOD	DATE/TIME/ANA
FECAL STREPTOCOCCUS	ND	MPN COL/100 ML	1 MPN COL/100 ML	STD M 9230 B	ON: 8/12 @ 6:58 F

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

ATTEST: _____

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Certificate of Analysis

CERTIFICATE #: 01956
DATE: AUGUST 20, 2003

CONTRACTOR: MWH AMERICA

DATE SAMPLED: 8/12/03 @ 3:50 PM
DATE RECEIVED: 8/12/03 @ 5:30 PM
REPORT COMPLETE 8/20/03 @ 9:00 AM

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

LAB # 77201

LABORATORY REPORT

PARAMETER	RESULTS	UNITS	DET LIMIT/UNIT	METHOD	DATE/TIME/ANA
FECAL COLIFORMS	> 2400	MPN COL/100 ML	1 MPN COL/100 ML	STD M 9221E	ON: 8/12 @ 5:50 P OFF: 8/14 @ 5:52 P

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

ATTEST: _____

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

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.

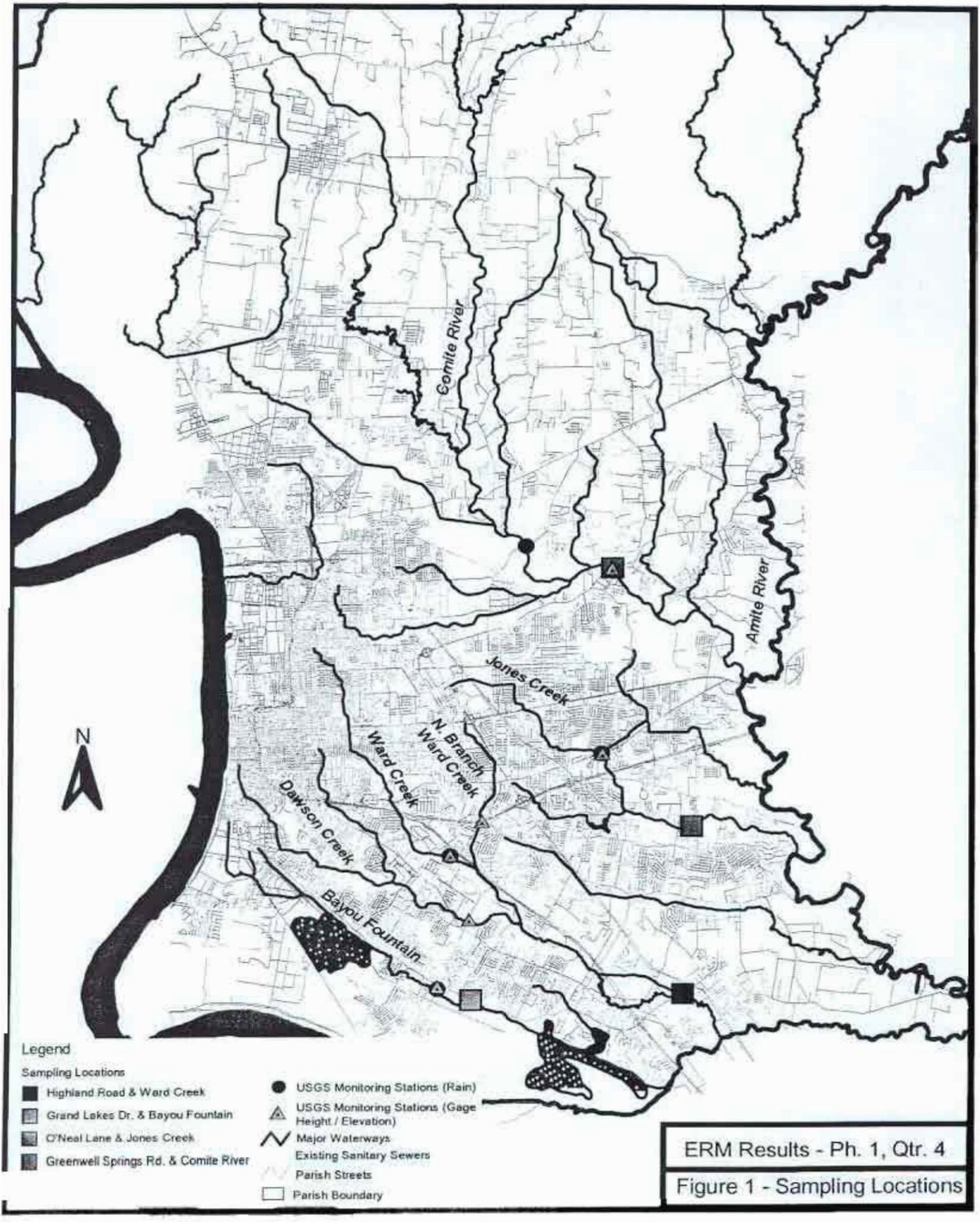
RESULTS

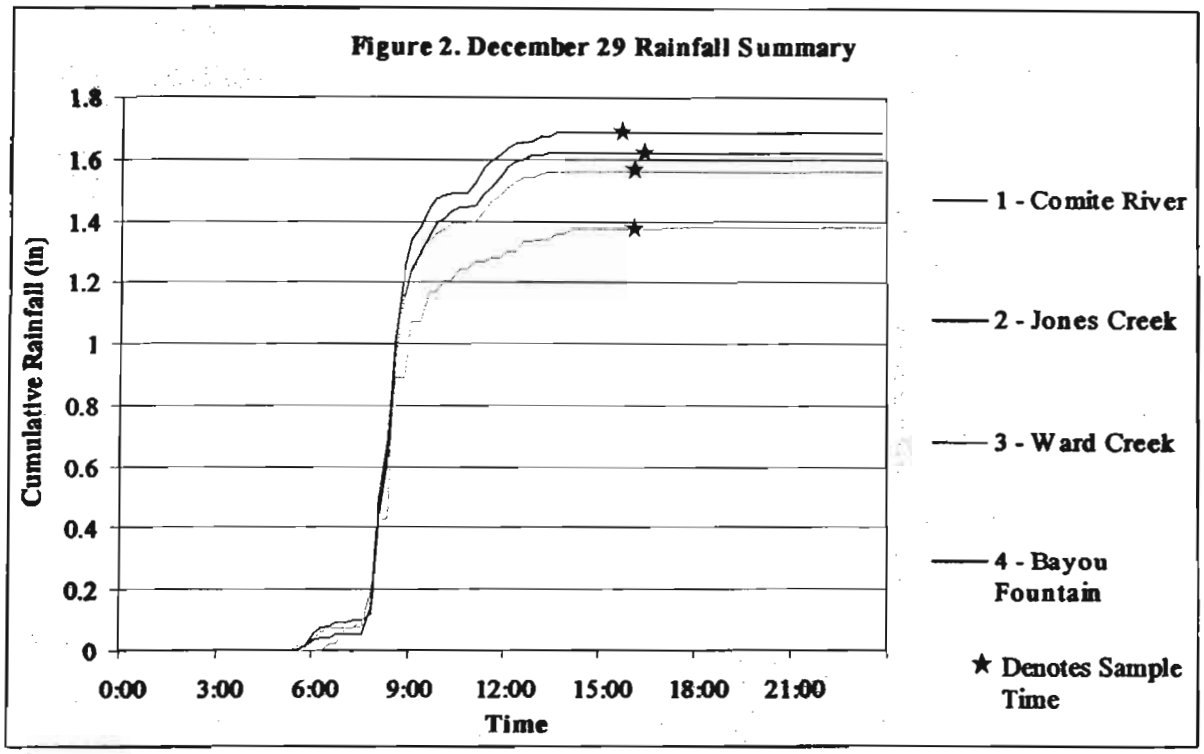
Results of laboratory analyses are summarized in Table 2. Further analysis of these results based on future water quality and stream flow data will be conducted upon completion of Phase I Baseline Monitoring. Gage height/elevation data from December 29, recorded at USGS stream flow monitoring stations 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.

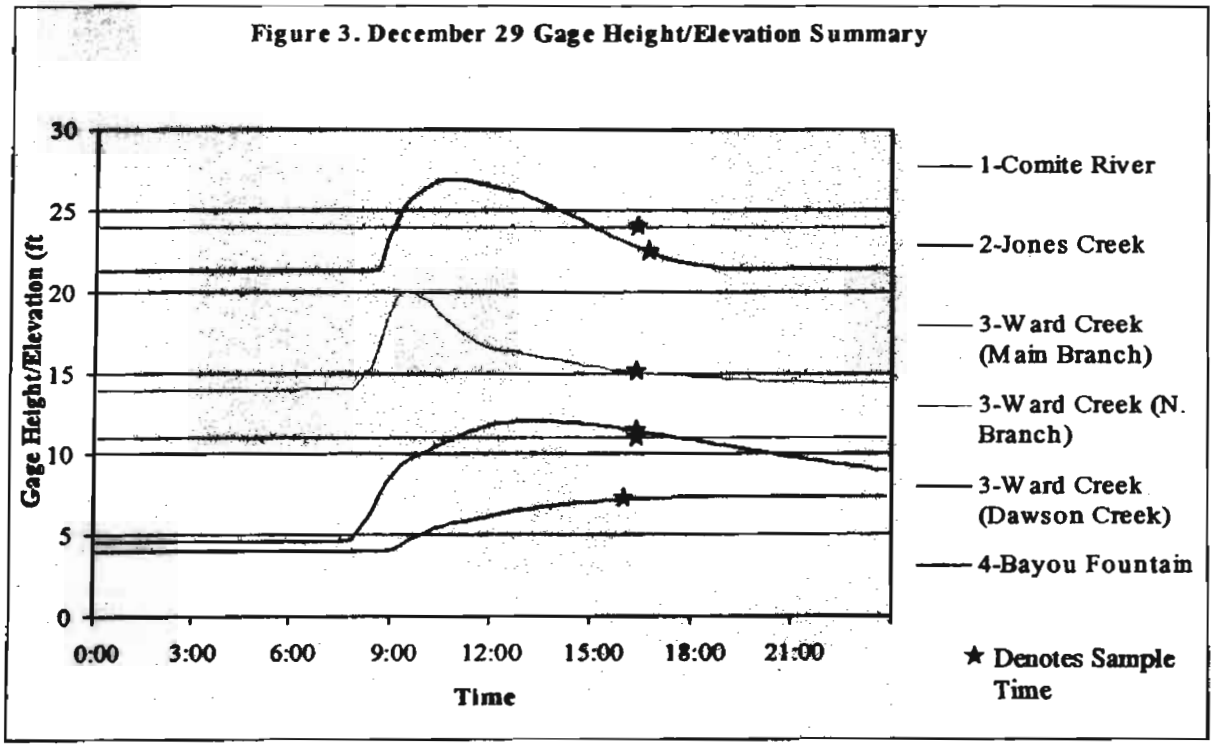
Table 2. WQ Sampling results for Phase I, Quarter 5

	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





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

CERTIFICATE #: 01956
DATE: JANUARY 23, 2004

CONTRACTOR: MWH AMERICAS

DATE SAMPLED: 12/29/03@4:10PM
DATE RECEIVED: 12/29/03@5:55PM
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/ANA
FECAL COLIFORMS	>1600	MPN/COL/100ML	1 MPN/COL/100ML	STD M 9221 E	ON:12/29@6:00PM OFF:12/31@6:02PM
STREPTOCOCCUS	ND	MPNCOL/100ML	1 MPN/COL/100ML	STD M 9230 B	12/29/03@6:30PM A SMITH
ENTEROCOCCI	ND	MPNCOL/100ML	1 MPN/COL/100ML	STD M 9230 B	12/29/03@7:20PM 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: _____

2004

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.

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:

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

, 2004

MWH AMERICAS

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

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

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

*OSBC - TAKEN ON SITE AT TIME OF SAMPLING.

ATTEST:

CERTIFICATE #: 01956
DATE: JANUARY 23, 2004

CONTRACTOR: MWH AMERICAS

DATE SAMPLED: 12/29/03@3:50PM
DATE RECEIVED: 12/29/03@5:55PM
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/ANALYS
FECAL COLIFORMS	>1600	MPN/COL/100ML	1 MPN/COL/100ML	STD M 9221 E	ON:12/29@6:15PM/AS OFF:12/31@617PM/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: _____

	Value reported was the average of two or more determinations
	Value reported is less than the practical quantitation limit, and greater than or equal to the minimum detection limit
	Estimated Value
	Parameter exceed holding time - prior to arrival at lab for analysis
	Presumptive evidence of presence of material
	Value reported is less than the detected limit
	Parameter was analyzed from an unpreserved/improperly preserved sample
	Analyte was detected in both sample and method blank
	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 Research 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 Research 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)
	Method for the Determination of Organic in Drinking Water, Supplement I, EPA 500/4-90/020, July 1990.
	Code of Federal Regulations, Title 40, Part 136; U.S. Government Printing Office, Washington, D.C., July 19[illegible]
	EPA CLP SOW for Inorganic Analysis of Multi-Media, Multi-Concentration Organics, GC/MS, SOW 784.
	EPA CLP SOW for Organic Analysis of Multi-Media, Multi-Concentration Organics, GC/MS, SOW 785.
	Standard Methods for the Examination of Water and Wastewater, 18th Edition, 1992
	American Society of Testing and Materials, 1998
	Bacteriological Analytical Methods, FDA
	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)

Appendix D

BRSSO 4.1

Department of Public Works

City of Baton Rouge
Parish of East Baton Rouge

Post Office Box 1471
Baton Rouge, Louisiana
70821

July 15, 2003

Ms. Vivian Hare (6EN-WC)
USEPA Region 6
1445 Ross Avenue, Suite 1200
Dallas, TX 75202-2733

Dear Ms. Hare

This letter is an update on the status of corrective actions the City/Parish is taking to meet permit limits at the South Wastewater Treatment Plant (SWWTP). These corrective actions were initially reported to you in a November 14, 2002 letter to your office.

1. Provide VFD's for Trickling Filters #1-4 - Additional investigations indicate that the VFDs are in good condition, but the motor drive units are inoperable due to excessive breakage of gears, chains and shafts. Variable speed drive units are necessary for proper operation to control flow distribution and flushing. We are in the procurement process of getting new motor drive units.

2. Install new distribution equipment for Trickling Filters 5-8 (referred to as Trickling Filters 1-4 in November 14 letter) - Design documents for new rotary distributors were advertised for bids on December 20, 2002, and bids received on January 23, 2003. The low bidder was awarded the project and given an authorization to proceed with the project with a starting date of March 24, 2003. The contractor has been having difficulty meeting certain specification requirements, and is currently behind schedule (see attached letters documenting concern regarding project schedule and reference to consent decree).

It takes 3 to 4 weeks after a trickling filter is placed on-line before the biological growth is sufficient to provide BOD removal. Therefore, the bid documents direct the Contractor to rehabilitate the two inoperative units and operate them for 21 days prior to taking the other units off-line and rehabilitating them. This will assure that at least two units remain on-line at all times.

With anticipated contractor delays noted above, it is projected that the first two of these units will be operational by October 2003, and all four will be operational by February 23, 2004.

3. Install snail screen equipment - Snails are an operational problem, plugging lines and affecting secondary clarifier performance. Snail screen equipment has been procured and delivered to the plant. The concrete foundation is being poured, and piping for equipment will be installed by an outside contractor.

4. Optimize operation of ferric chloride feed system - As noted in the November 14 letter, plant staff installed a temporary ferric chloride feed system to improve the performance of the secondary clarifiers. We are still making adjustments to the system for efficient operation, with the assistance of Dr. Sansalone of LSU, such as relocating the ferric chloride feed location and adjusting the dosage. There is a real concern about the quality and variability of ferric, which is having a significant impact on our ability to determine the correct dosage. We are working with the chemical supplier to address this problem. While the use of ferric chloride is an interim solution, we believe it can make a great difference while other corrective actions are being implemented.

As previously indicated, we have contracted with LSU to assist us with operational issues at the wastewater treatment plants. Dr. Sansalone leads a group of operators, lab personnel, managers and consultants to discuss problems, share solutions and brainstorm possible corrective actions. Attached to this letter are two of Dr. Sansalone's monthly reports to give you an idea of how this process works and how closely we monitor performance and plan for improvement.

We hope that this information serves to assure you of our continued commitment to improving the treatment capabilities of the SWWTP, in the interest of ultimately being able to regularly meet all permit requirements.

Sincerely yours,

Fred E. Raiford, PE
Director of Public Works

Attachments

xc: Jerome M. Klier, Deputy Director of Public Works
Jeff Broussard, Chief Engineer/Assistant Director
Jim Thompson, Parish Attorney
Kent Mudd, Special Projects Engineer
Robert Groht, Jr., Wastewater Treatment Plant Manager
Bob Wilks, Wastewater Process Control Supervisor
Peggy Hatch, LDEQ
Robert Quance, EPA Region 6
Charles Faultry, EPA Region 6
Bill McHie, MWH

DEPARTMENT OF PUBLIC WORKS
Sewer Division
City of Baton Rouge and Parish of East Baton Rouge
329 Chippewa Street
Baton Rouge, LA 70805-7686

June 23, 2003

Mr. Paul Nola
Project Manager
Cajun Constructors, Inc.
P.O. Box 104
Baton Rouge, La 70821-0104

Re: Rehabilitation of Trickling Filter Rotary Distributors
South Treatment Plant
Project No. 02-WWT-02

Dear Mr. Nola:

This is in reference to your June 18, 2003 Shop Drawing Submittal No. 001A, Trickling Filter Resubmittal received by this office on June 19, 2003. On this submittal you noted that the Louisiana P.E. stamped drawings will be submitted at a later date. Please refer to Section 1.3.A.7 of the Technical Specifications for this project that states: "all Drawings and submittals shall be stamped by a Louisiana-registered professional engineer in accordance with the rules and laws governing Engineering License in the State of Louisiana." Also, refer to Section 1.1.B.1: "...The CONTRACTOR shall have the manufacturer perform design calculations and structural support calculations to assure the ability of the equipment to meet all design criteria and loading criteria specified herein. These calculations shall be sealed and signed by a Louisiana-registered Professional Engineer."

Based upon the above referenced specifications, Submittal No. 001A, Trickling Filter Resubmittal is being returned as Incomplete, Resubmit. Enclosed are the seven (7) copies of your Submittal No. 001A, Trickling Filter Resubmittal. You are again reminded that to date, 91 calendar days have passed or 37.9% of the contract time has been used with 0% of the project completed. Completion of this project is critical to our meeting the requirements of our discharge permit, which is also a requirement of the Consent Decree.

If you have any questions concerning this matter, please contact me at telephone 225-389-3154

Sincerely,

Richard P. Wright, P.E.
Wastewater Engineer

Enclosures
cc: Mr. Fred E. Raiford, III
Mr. Jerome M. Klier, P.E.
Mr. Kent A. Mudd, P.E.
Mr. Charles B. Woodruff, P.E.
Mr. Jim Thompson
Liberty Mutual Insurance Company

DEPARTMENT OF PUBLIC WORKS
Sewer Division
City of Baton Rouge and Parish of East Baton Rouge
329 Chippewa Street
Baton Rouge, LA 70805-7686

June 16, 2003

Mr. Paul Nola
Project Manager
Cajun Constructors, Inc.
P.O. Box 104
Baton Rouge, La 70821-0104

Re: Rehabilitation of Trickling Filter Rotary Distributors
South Treatment Plant
Project No. 02-WWT-02

Dear Mr. Nola:

This is a follow-up to our meeting of May 22, 2003 where we discussed your shop drawing submittal. At that meeting your May 8, 2003 shop drawing submittal no. 001 for Trickling Filter Rotary Distributor was returned to you as Incomplete, Re-Submit.

You were advised by Mr. Kent A. Mudd in his April 25, 2003 letter that the late shop drawing submittal has placed the contract completion date in jeopardy. We are now almost two months later and no closer to approved shop drawings. The Notice To Proceed for this project was effective March 24, 2003 with a contract time of 240 calendar days. To date, 84 calendar days have passed or 35% of the contract time has been used with 0% of the project completed.

Please provide this office with a schedule showing when you expect to re-submit your shop drawings and how this delay in your submittal impacts your construction and the contract completion date of November 19, 2003. Completion of this project is critical to our meeting the requirements of our discharge permit, which is also a requirement of the Consent Decree.

Enclosed is a copy of the meeting notes prepared by Mr. Ray Rials and the original shop drawing submittals. If you have any questions concerning this matter, please contact me at telephone 225-389-3154.

Sincerely,

Richard P. Wright, P.E.
Wastewater Engineer

Enclosures
cc: Mr. Fred E. Raiford, III
Mr. Jerome M. Klier, P.E.
Mr. Kent A. Mudd, P.E.
Mr. Jim Thompson
Liberty Mutual Insurance Company

DEPARTMENT OF PUBLIC WORKS
Sewer Division
City of Baton Rouge and Parish of East Baton Rouge
329 Chippewa Street
Baton Rouge, LA 70805-7686

April 25, 2003

Cajun Constructors, Inc.
P.O. Box 104
Baton Rouge, LA 70821

Project: Rehabilitation of Trickling Filter Rotary Distributors
South Treatment Plant
02-WWT-02

Attention: Paul Nola

Dear Mr. Nola:

The Pre-construction Meeting on this project was held on March 20, 2003. The Notice to Proceed was issued on March 24, 2003. The duration of the contract is 240 days and 36 days have passed. Since the meeting and Notice to proceed, we have not received the shop drawing submittals.

The contract states on page CP 2 of 5 "The undersigned further agrees that the work will begin not later than fourteen (14) calendar days after date of the Notice to Proceed and shall be diligently prosecuted at such a rate and in such a manner as necessary for the completion of the work within the time specified in the Agreement."

The 1997 City of Baton Rouge, Parish of East Baton Rouge Standard Specifications for Public Works Construction, which are part of this contract, state on page 19, "Shop drawings shall be submitted in quadruplicate to the engineer for approval or correction at least 30 days before approved drawings will be required."

Taking these items into account, the late shop drawing submittals have placed the contract completion date in jeopardy. We will need a schedule update in order to complete this project on time.

Sincerely,

Kent Mudd

Kent Mudd, PE
Special Projects Engineer

xc: Fred Raiford
Jerry Klier
Jeff Broussard
Charlie Woodruff
Shane Nicholas

Office Phone: (225) 389-3154 Fax Phone (225) 389-7618

PROCESS CONTROL MEETING

Central WWTP (CTP)

13 March 2003

DPW-SU-LSU

"Optimization of Wastewater Treatment"

Presentation by LSU for Central and South Plant

- Treatment performance for February 2003
- Performance to date in 2003 vs. 2002 vs. 2001
- Rainfall effect on the plant performance
- Upcoming goals for April 2003

Process changes made at CTP and STP in February 2003:

Lowered splitter box gates to final clarifier several inches (3 inches) towards original positions to prevent potential "short-circuiting"

Take #3 and #4 primary clarifier off-line during dry weather flows (will be placed back on line based on wet weather flows)

Resumed automated recirculation and flushing of trickling filters

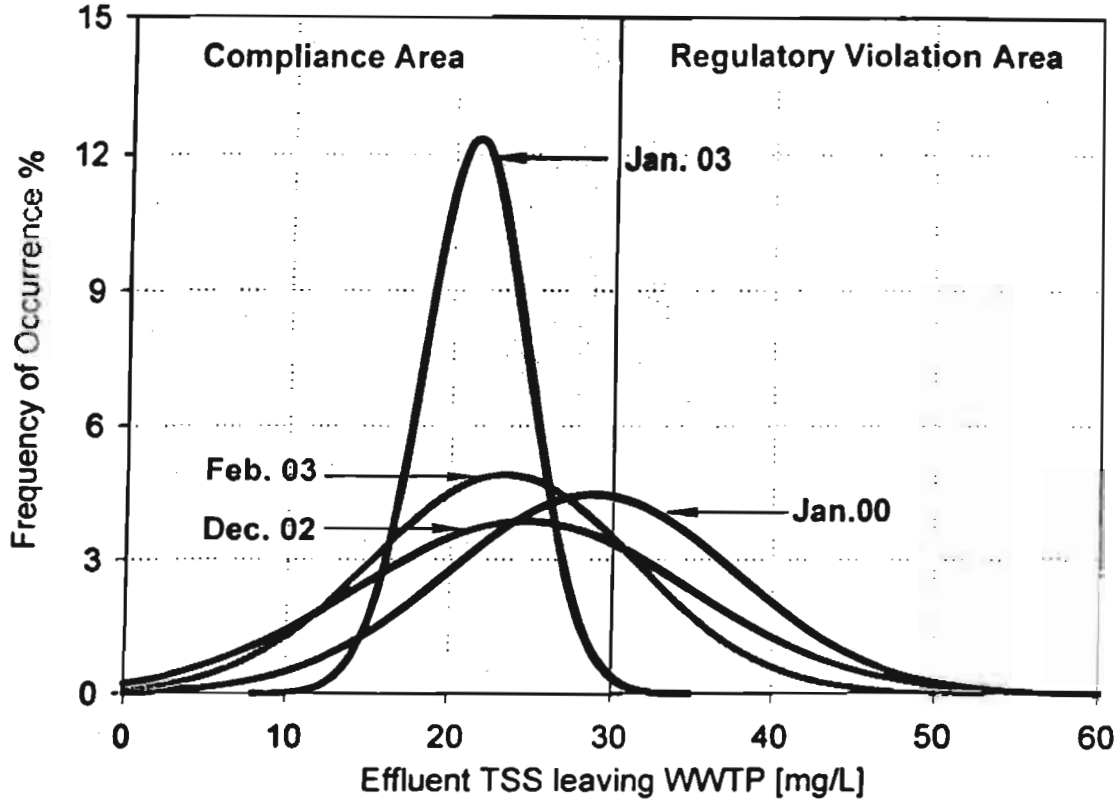
Discussed plans to add ferric to splitter box to final clarifiers if required – for example in cold weather as an alternative to a 3rd trickling filter or application of heat or covering filters.

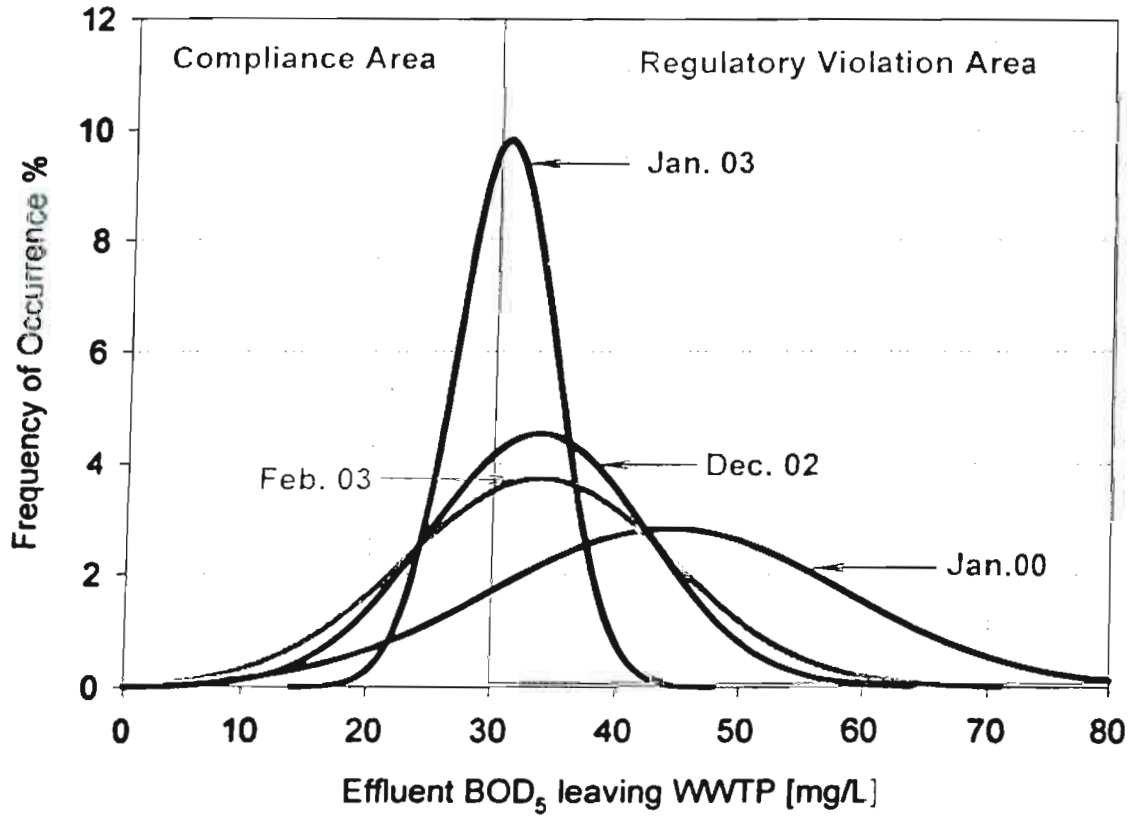
Started putting flow to #1 trickling filter and remove #2 trickling filter from service for repairs

Chlorine to influent turned off; check chlorination system for proper operation

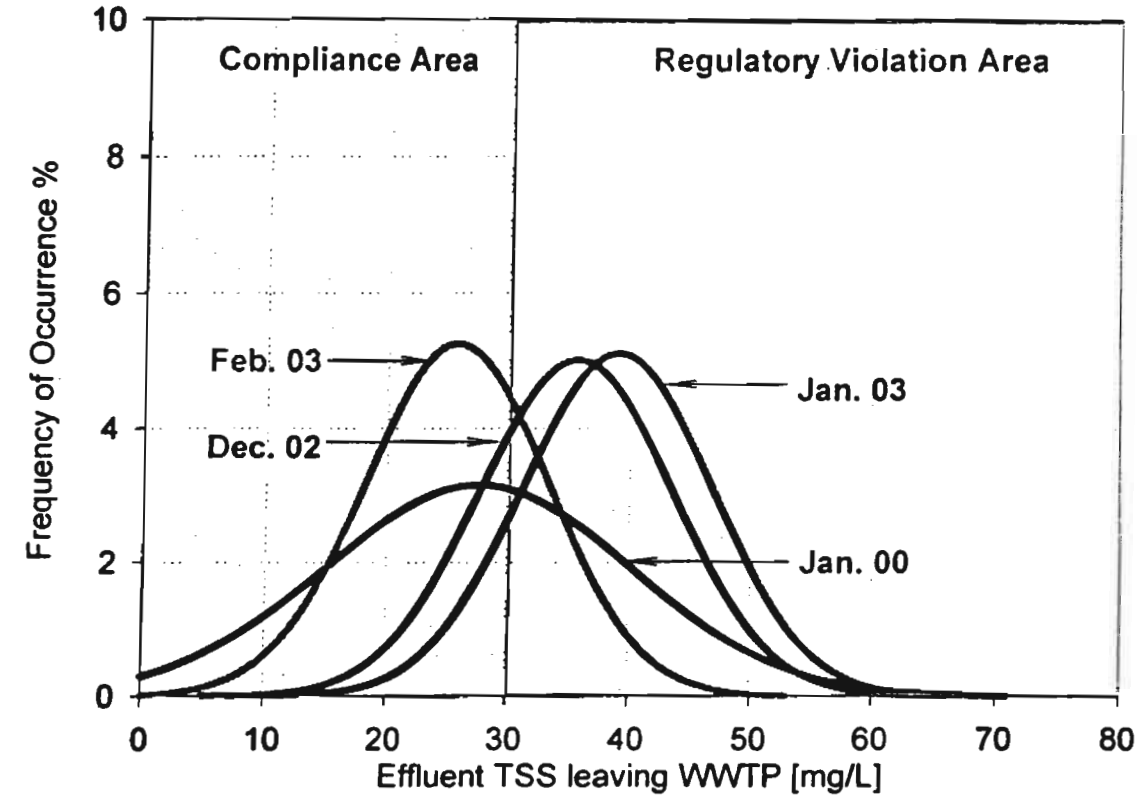
Addition of mild doses (see plots) of ferric to final clarifiers (ferric appears to be working). TSS and BOD have turned down from Jan.

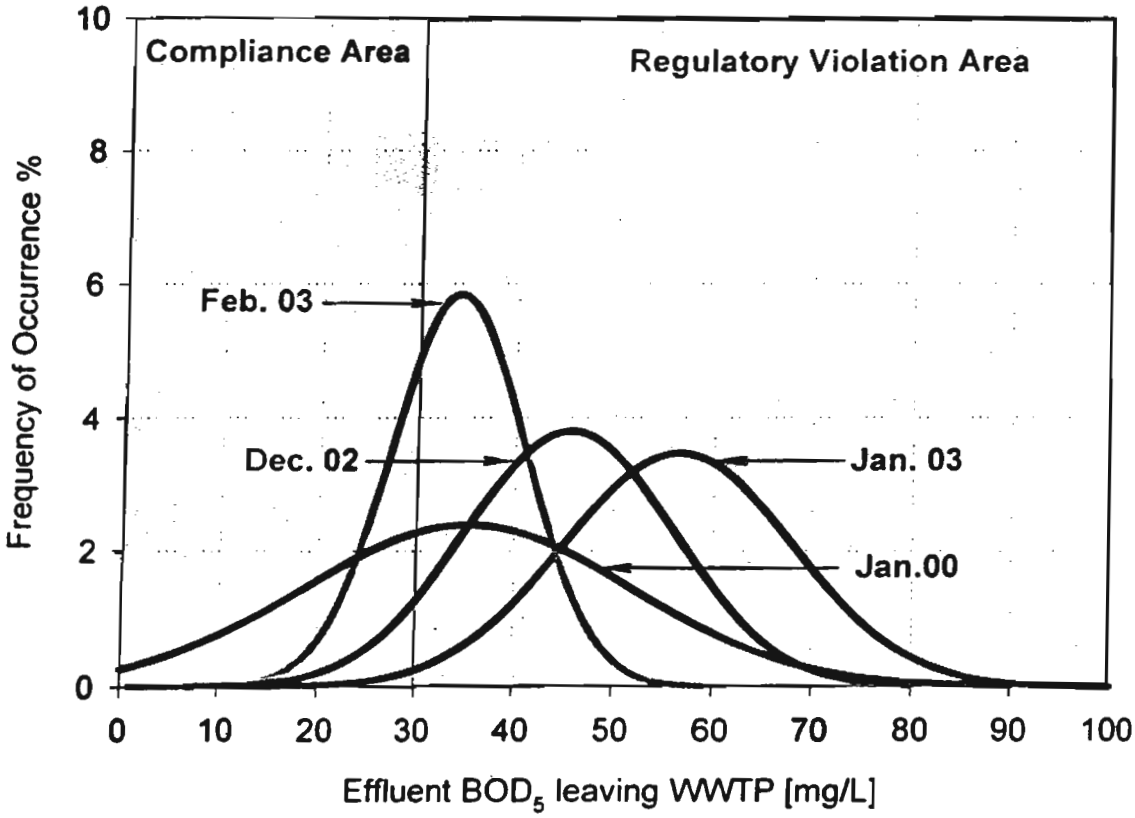
Running 3 belt presses to keep up with sludge generated by ferric



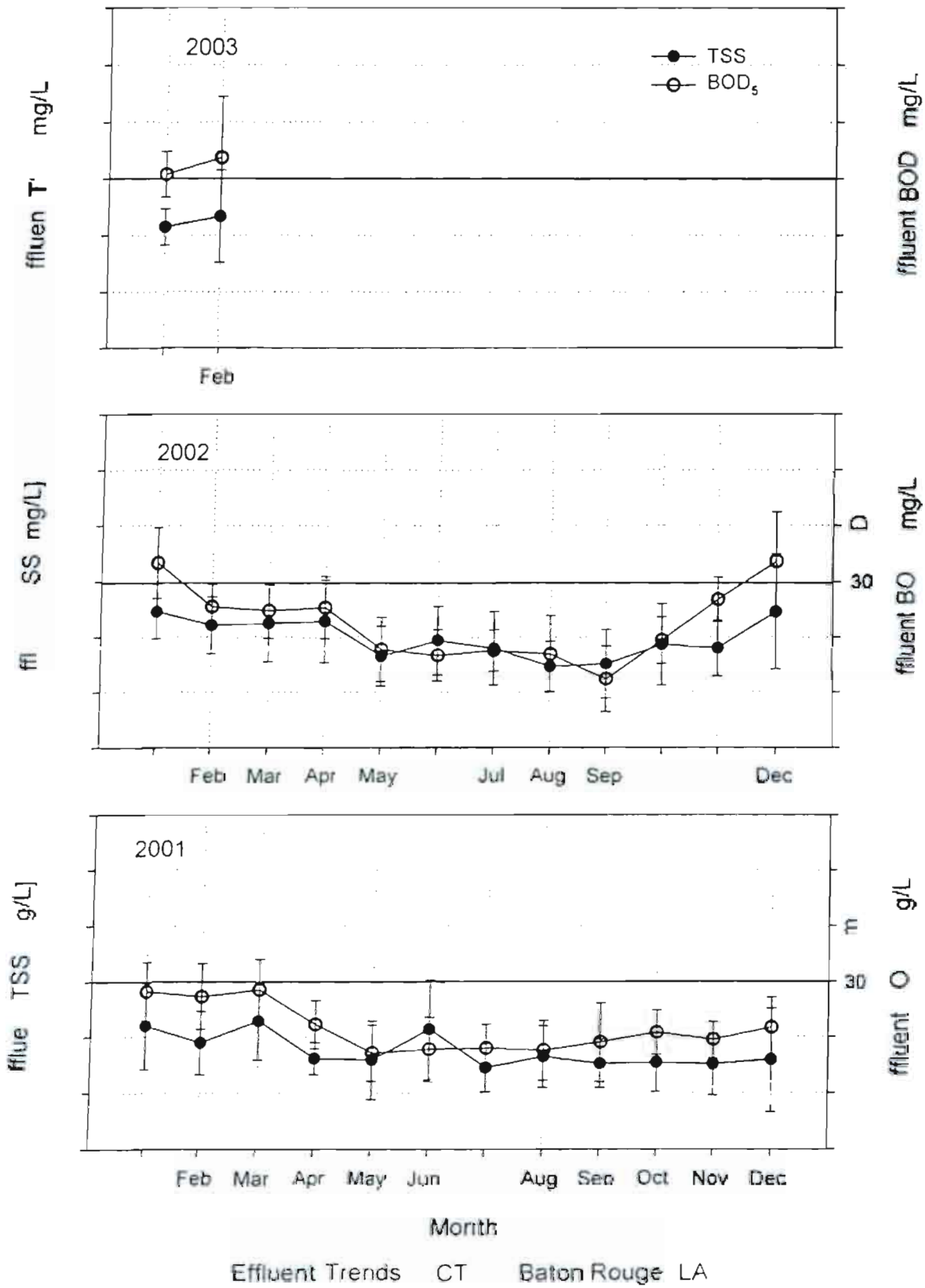


Effluent TSS and BOD_5 distribution for CTP

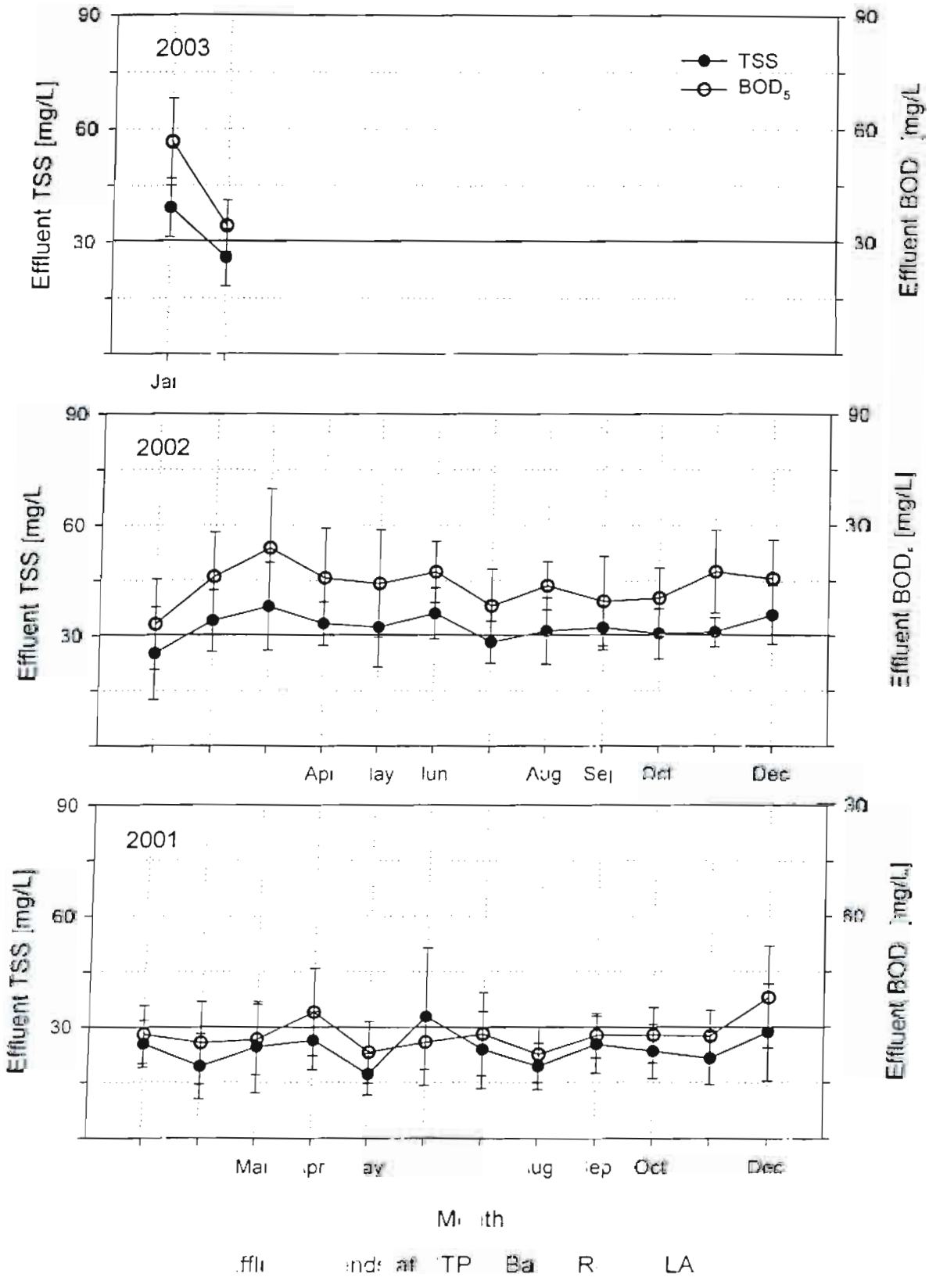




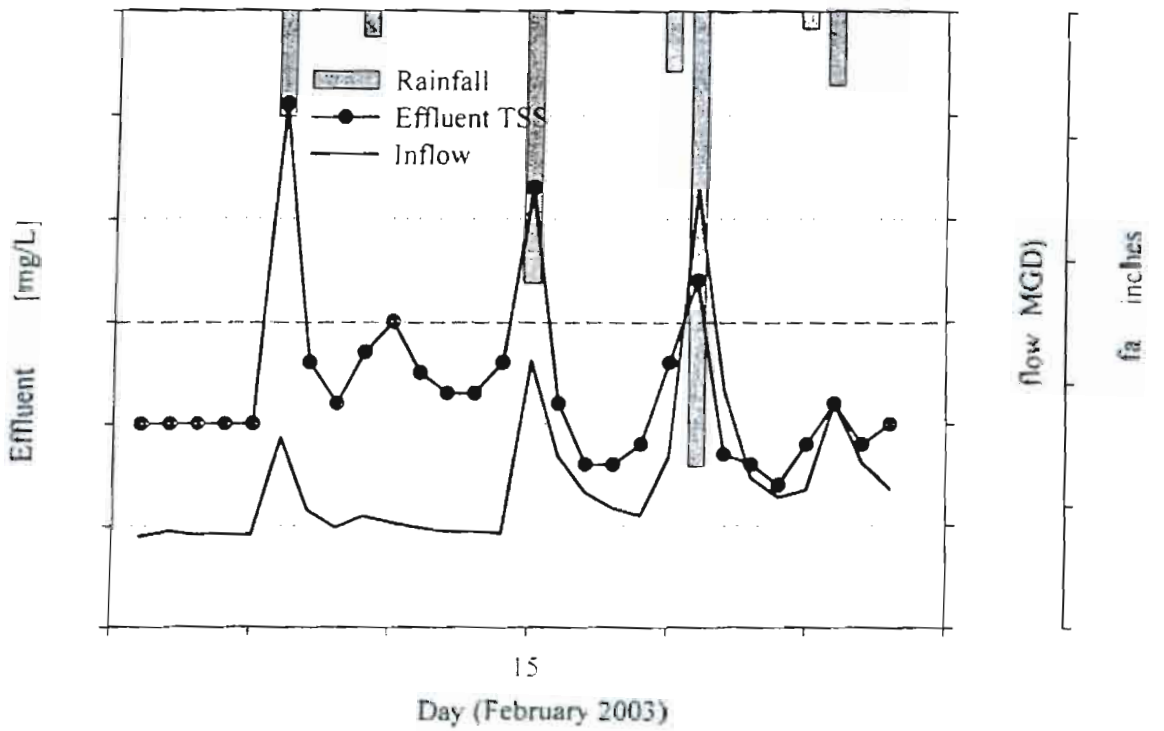
Effluent TSS and BOD_5 distribution for STP

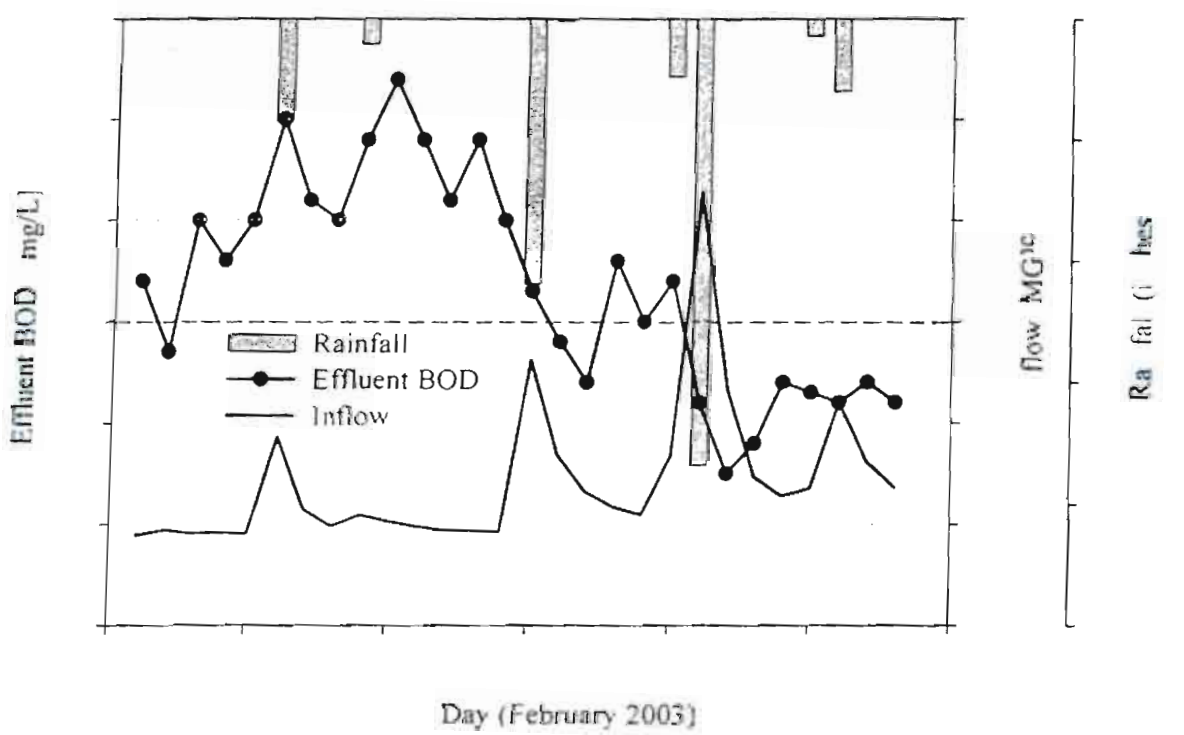


Effluent Trends CT Baton Rouge LA

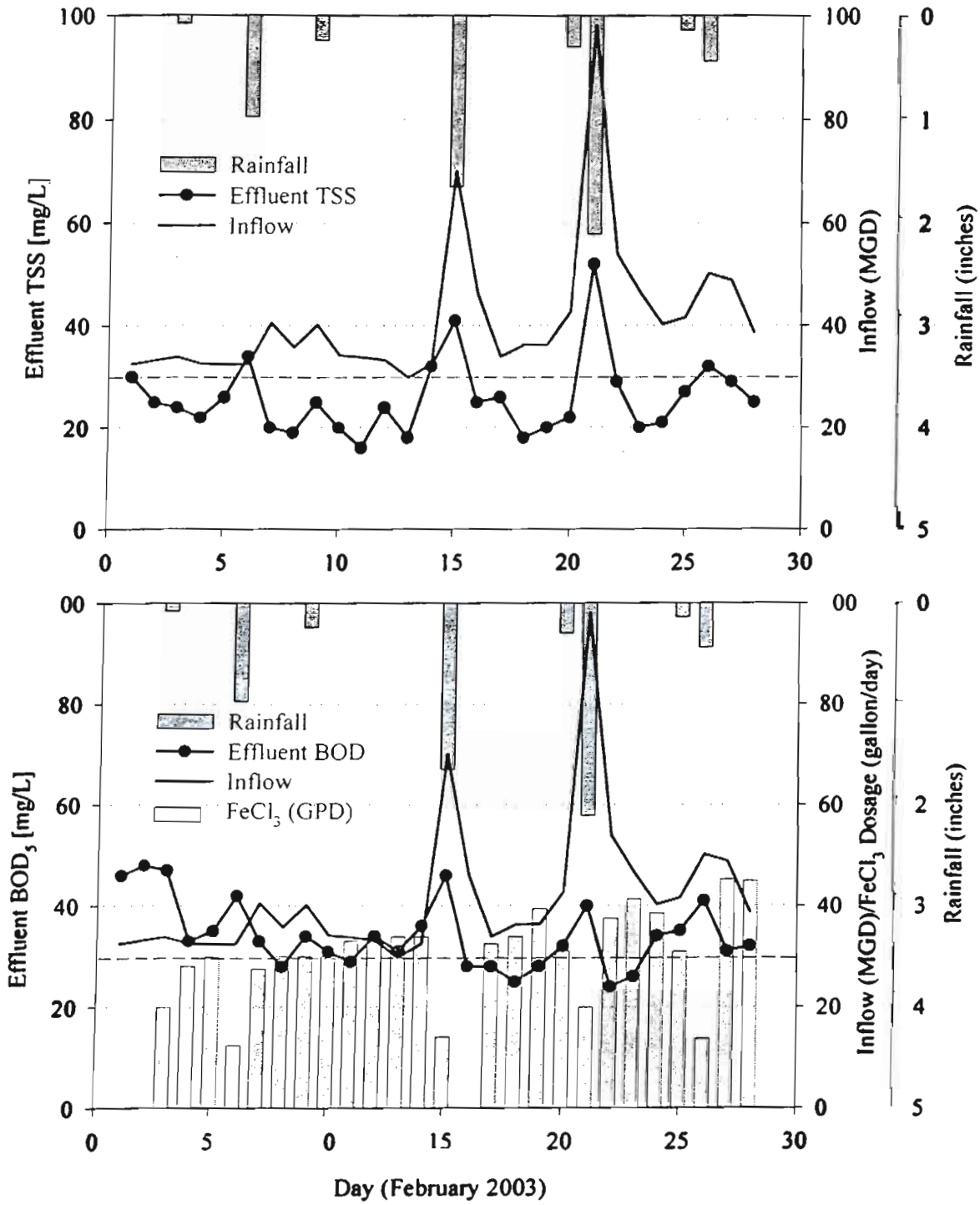


ffl nds at TP Ba R LA





Rainfall effect plant performance CTP (February 2003)



Rainfall effect on the plant performance - STP (February 2003)

UPCOMING GOALS FOR APRIL 2003:

1.

2

3

4.

5

6.

7.

8.

9

10

PROCESS CONTROL MEETING

Central WWTP (CTP)

12 June 2003

DPW-SU-LSU

"Optimization of Wastewater Treatment"

Presentation by LSU for Central and South Plant

- Treatment performance for May 2003
- Performance to date in 2003 vs. 2002 vs. 2001
- Rainfall effect on the plant performance
- Upcoming goals for June 2003

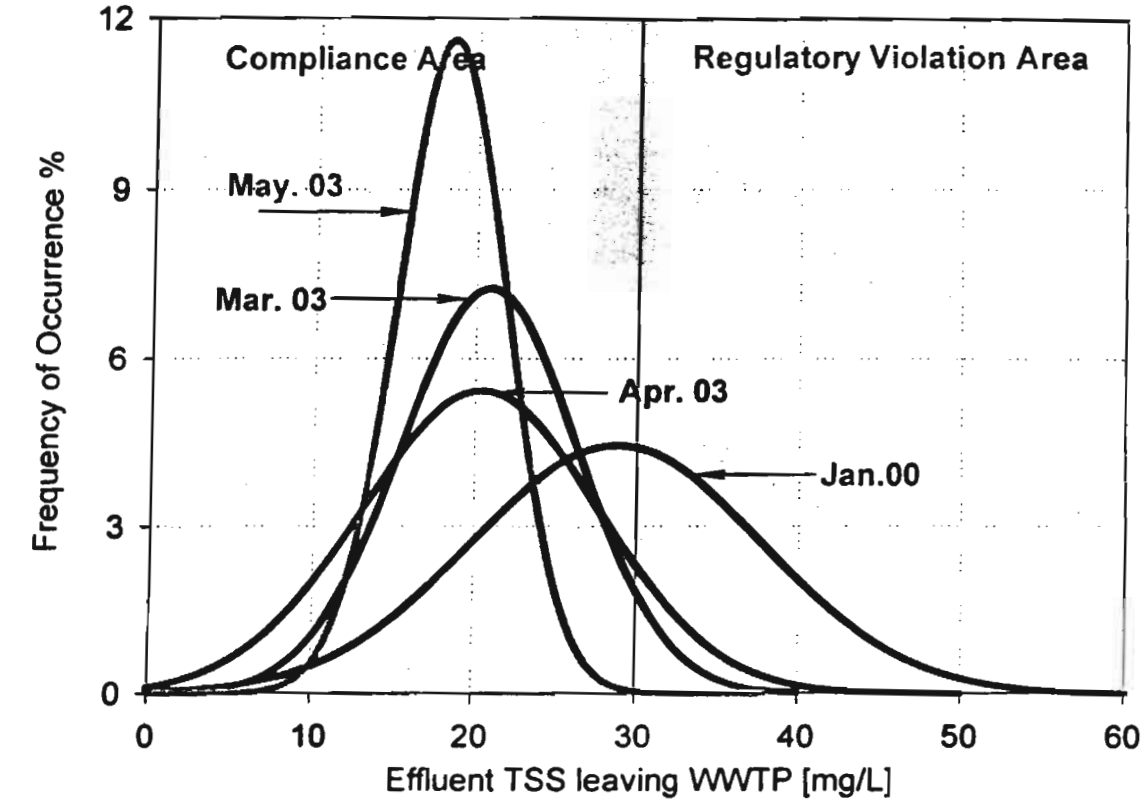
Process changes made at CTP and STP in May 2003

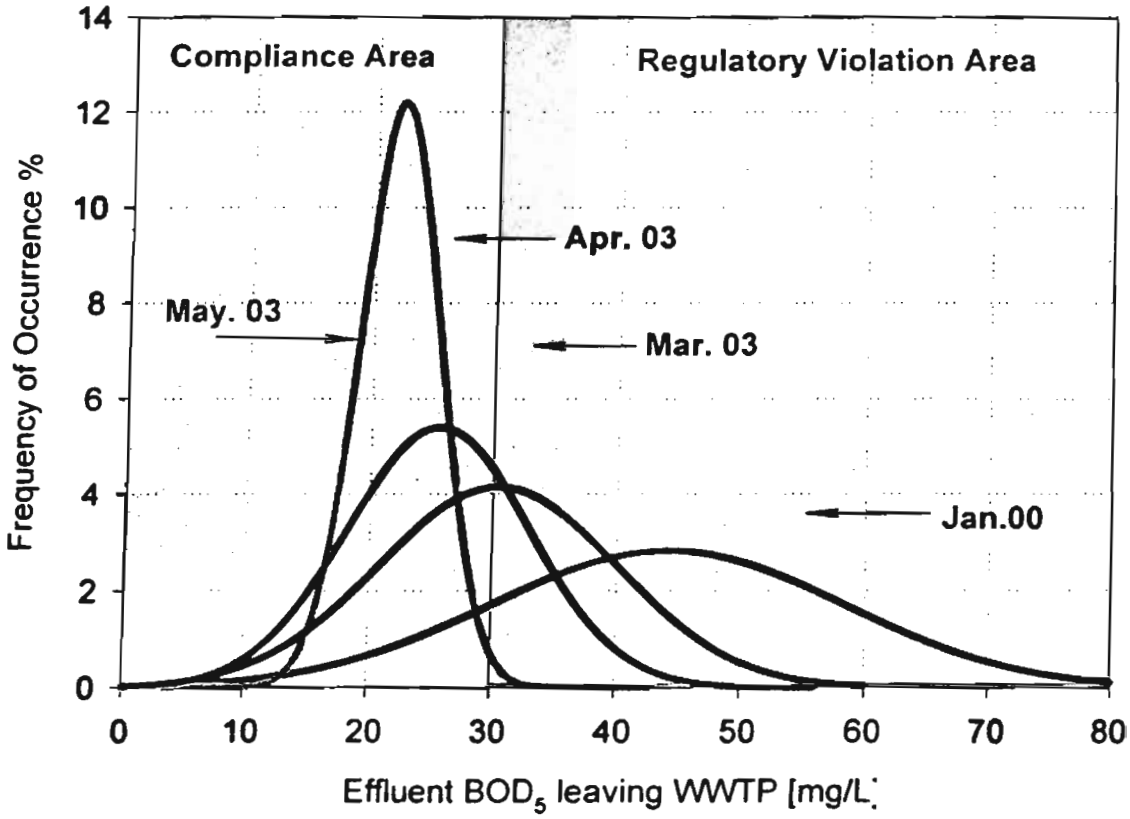
STP: Adjust scrapers on final clarifiers (FC # 3, 5, 6 pumped down for this)
Clean out build-up of sludge from old final effluent pump station
Flow meters to STP for each splitter box
Pump secondary sludge into gravity thickener
Modify belt press operations and carry out belt press operator training
- Set polyblend stroke and speed for uniformity
- Do not over-polymer belt

Gravity thickener pump down for preventative maintenance
Isolate the old effluent pump station and yard water pumps
Flush trickling filters two hours each for snail control

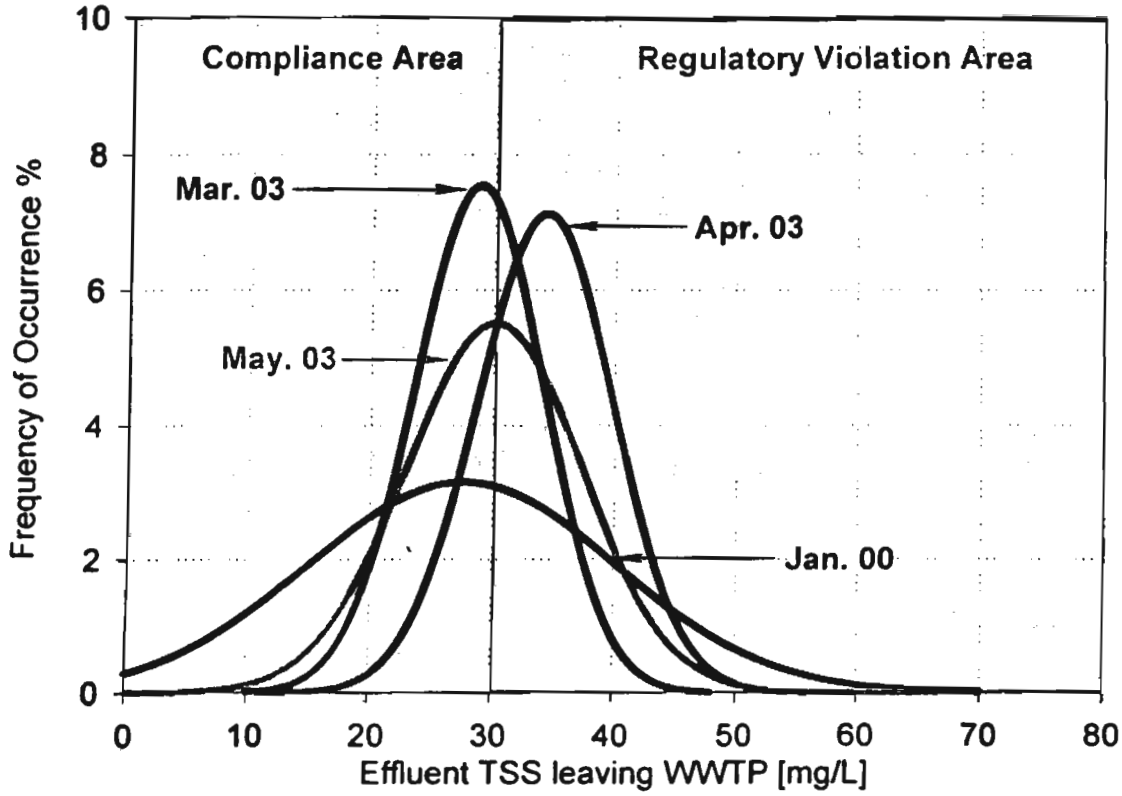
CTP: - Implement manual trickling filter flushing procedure
- 1 hour flushing from 12-1 daily at 100%
- Manually set recirculation valve at 50% all other times
- Slow down trickling filter arms during flushing to 20%
- Once a week (on Wednesday) flush for 2 hours at peak flows
- During wet weather – go back to wet weather procedure

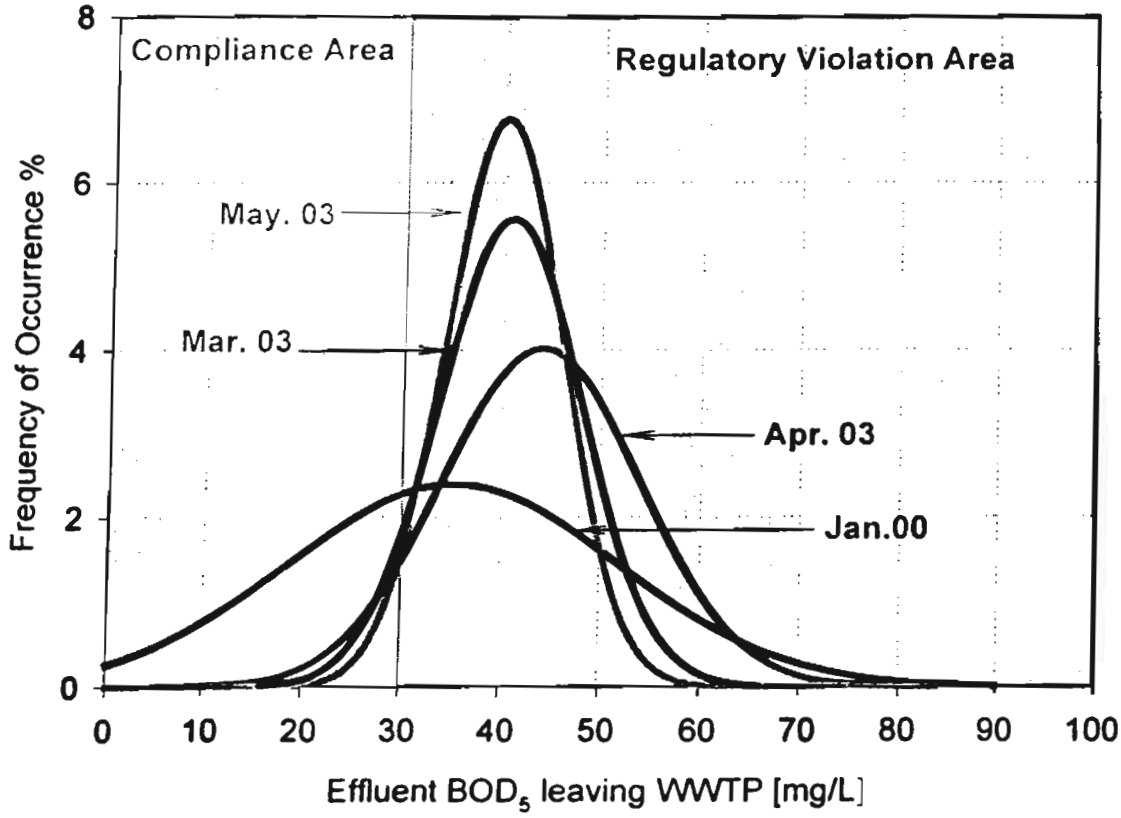
Improve sludge pumping from primary clarifier 1 and 2



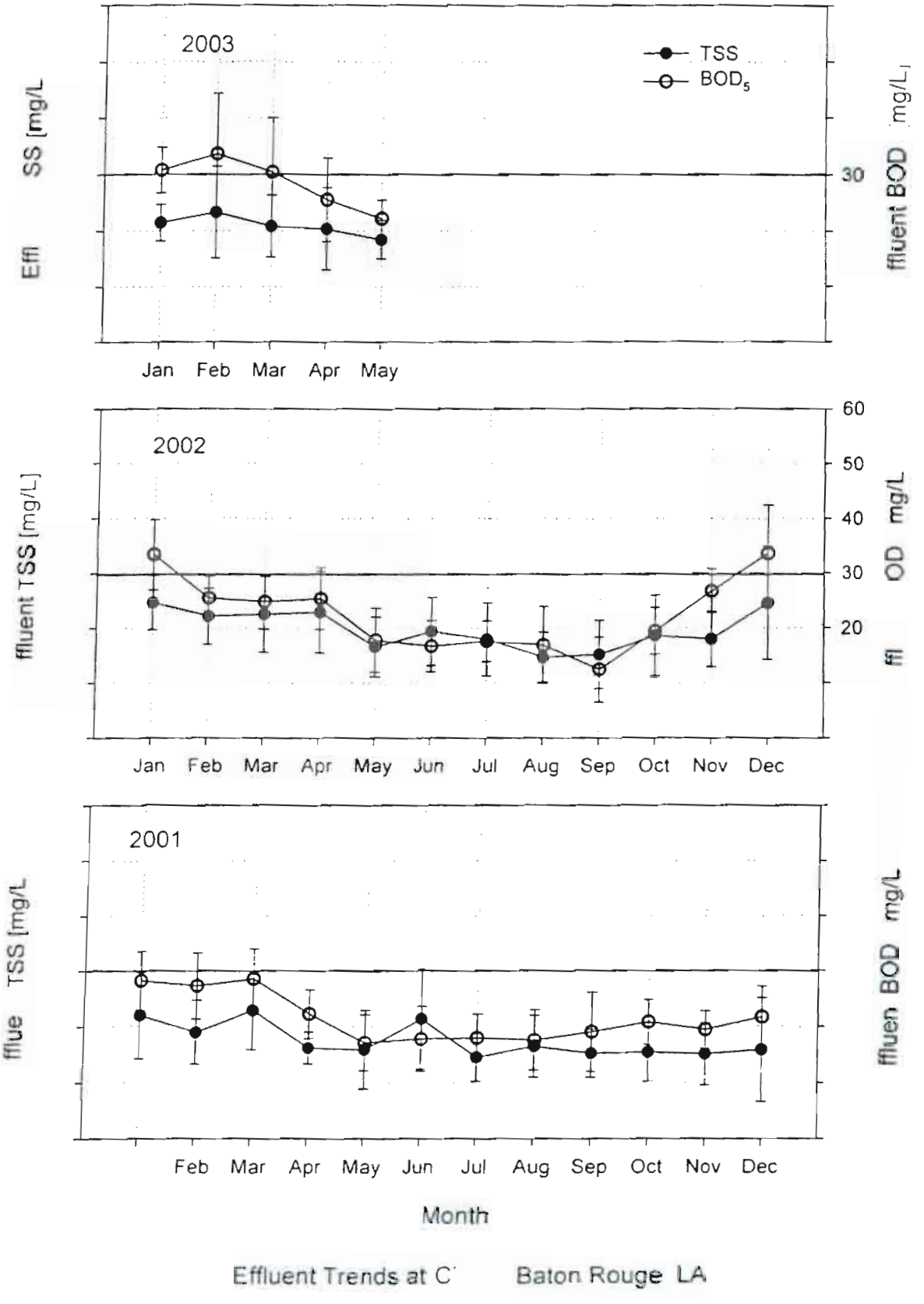


Effluent TSS and BOD_5 distribution for CTP

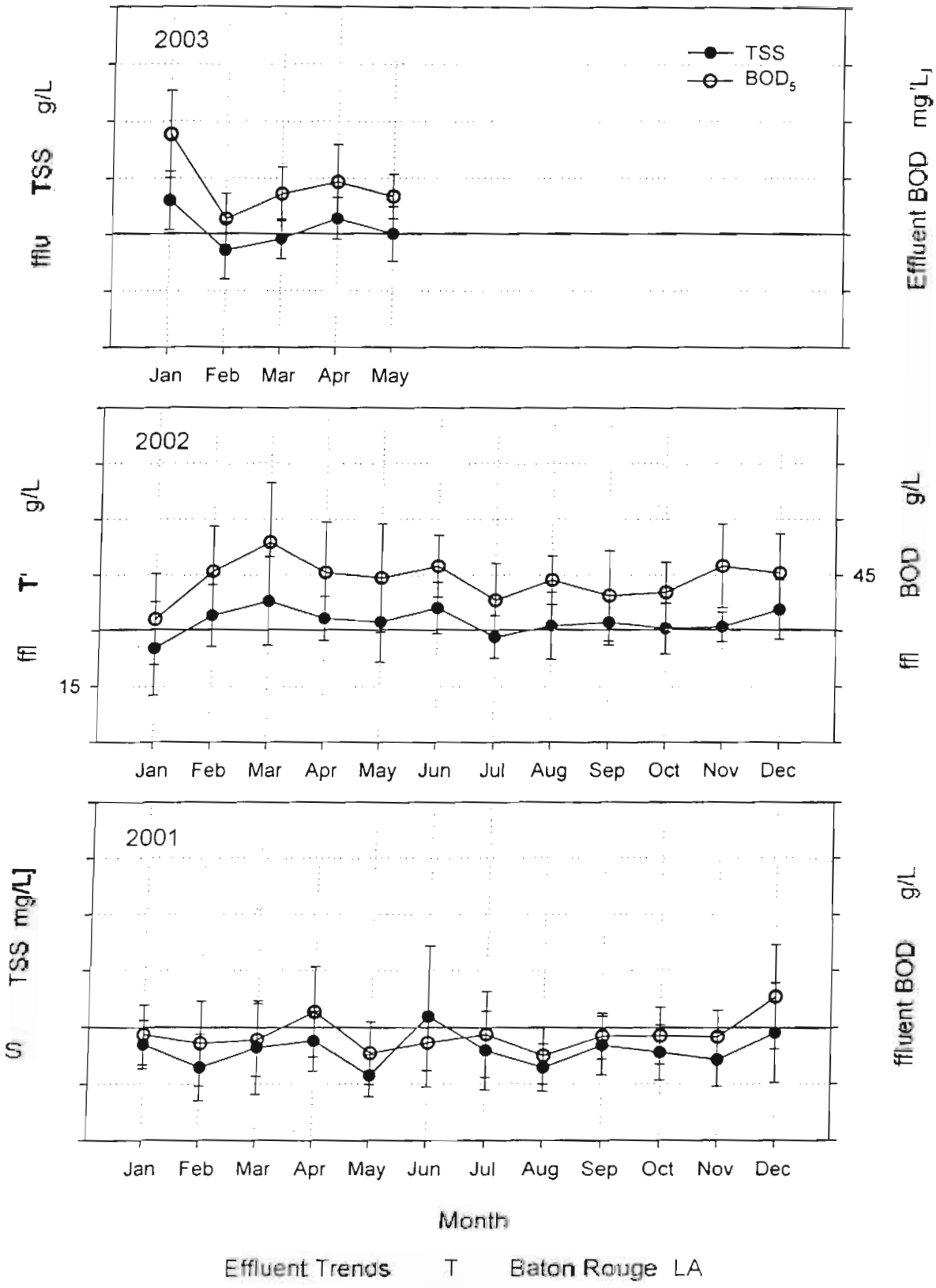




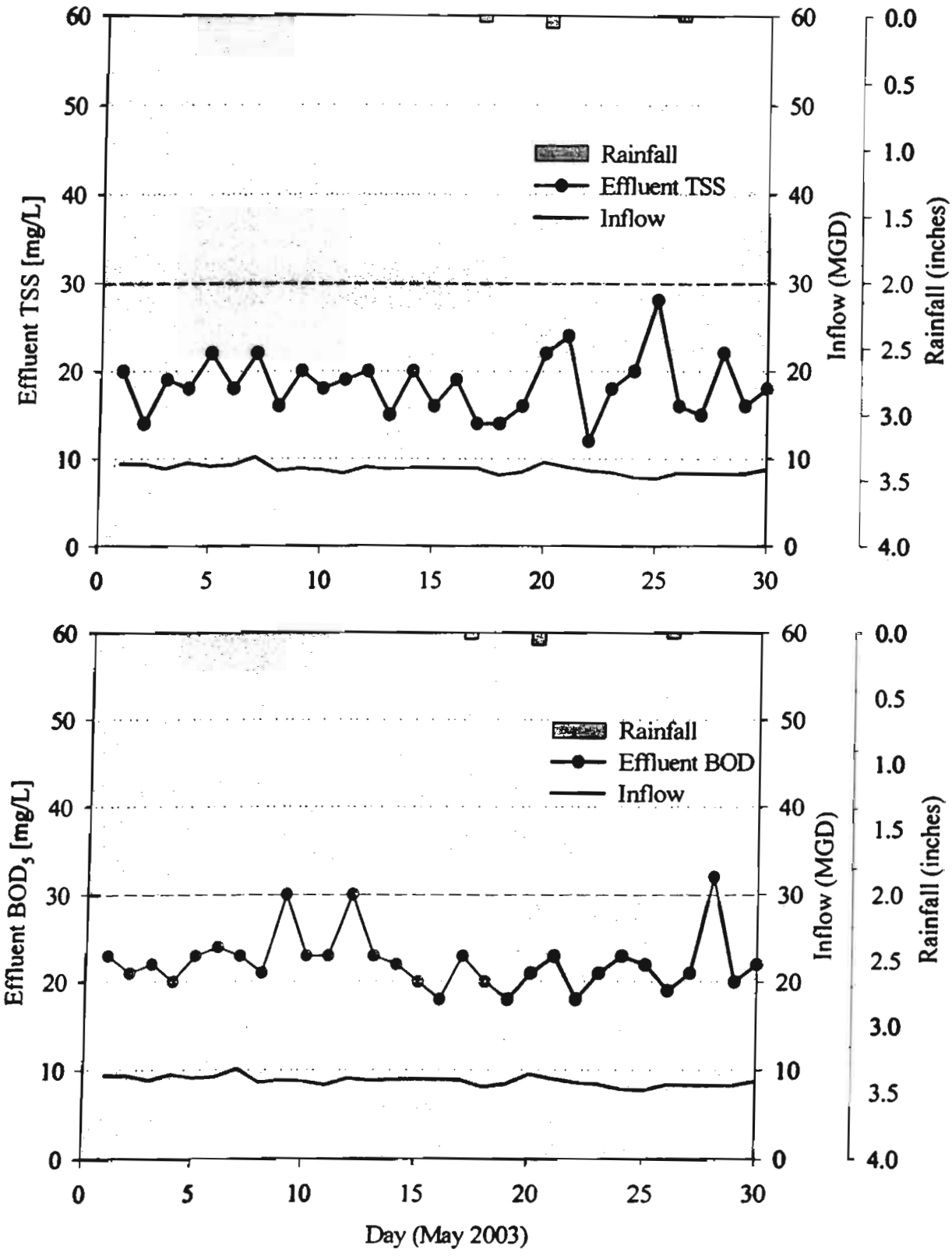
Effluent TSS and BOD_5 distribution for STP



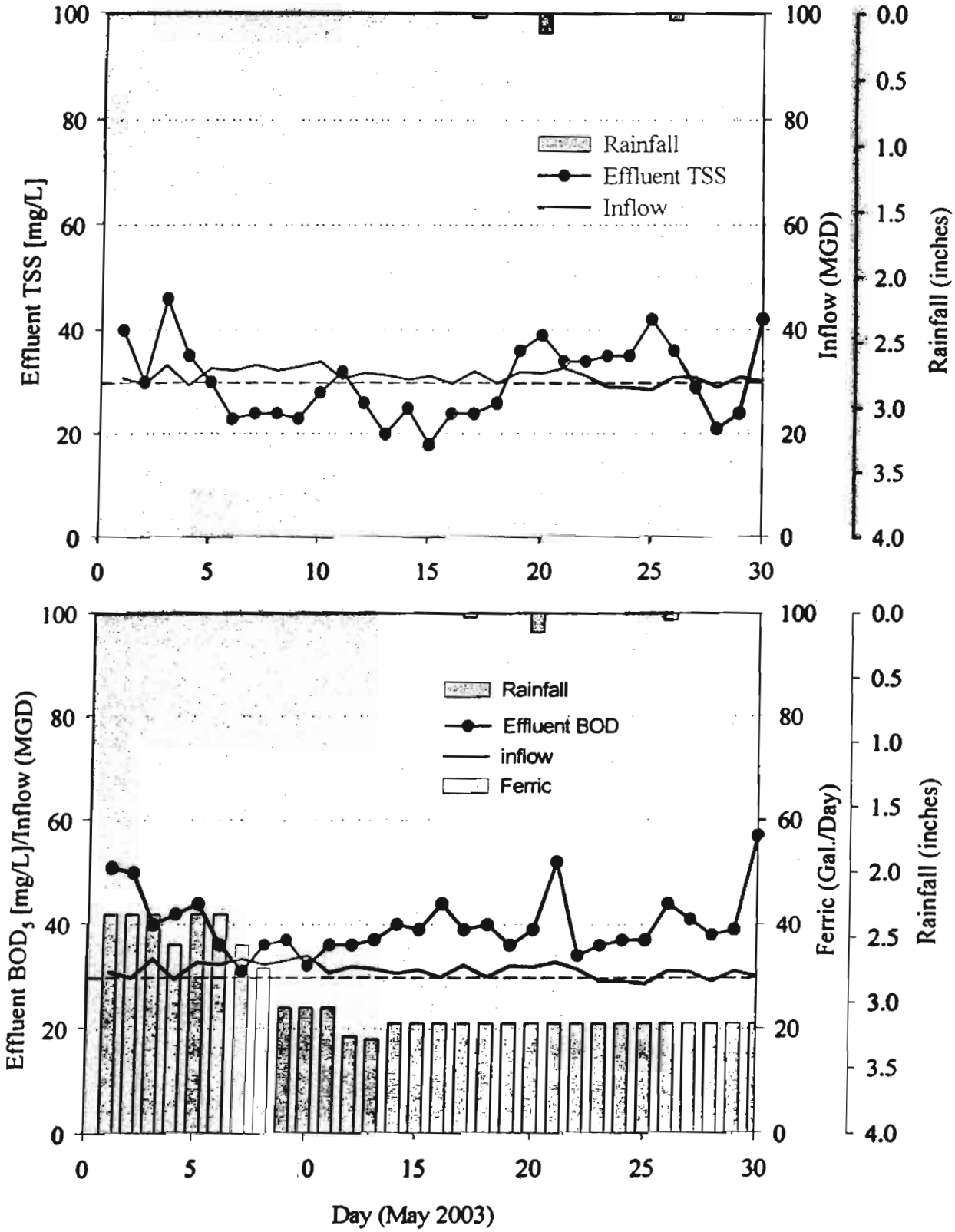
Effluent Trends at C Baton Rouge LA



Effluent Trends T Baton Rouge LA



Rainfall effect on the plant performance - CTP (May 2003)



Rainfall effect on the plant performance - STP (May 2003)

UPCOMING GOALS FOR APRIL 2003:

1.

2.

3

4.

5.

6.

7.

8.

9.

10.

BRSSO4,

Department of Public Works

City of Baton Rouge
Parish of East Baton Rouge

Post Office Box 1471
Baton Rouge, Louisiana
70821

August 13, 2003

U.S. Environmental Protection Agency
Enforcement and Compliance Assurance Division
Enforcement Branch (6EN-W)
1445 Ross Avenue
Dallas, TX 75202-2733

Attention: Mr. Charles Faultry

Re: Baton Rouge Consent Decree
Civil Action No. 01-978-B-M3

Dear Mr. Faultry:

As required by our consent decree, we have been reporting consent decree noncompliance on a quarterly basis, and listing the stipulated penalty for each noncompliance as identified in the consent decree. However, in the same quarterly reports, we have also documented special mitigating circumstances as appropriate for specific noncompliance events.

With this letter we would like to reiterate those special circumstances related to certain noncompliance events for you to take into consideration. Those events include:

1. A partial secondary treatment bypass at the South WWTP on October 3, 2002 (due to Hurricane Lili).
2. An overflow exceeding 1 million gallons at the South WWTP due to an extreme rain event on April 7, 2003.
3. Various noncompliances with the NPDES permit for the South WWTP starting in March 2002.

The first noncompliance (partial bypass at South WWTP) on October 3, 2002 was due to the intense rainfall we experienced during Hurricane Lili. This was an extreme event which far exceeded our 2-year 12-hour design storm of 4.5 inches of rain. Flows were bypassed in order to prevent flooding of treatment plant facilities (which would potentially cause additional overflows). The bypassed flows received primary and secondary treatment, but not disinfection.

The second noncompliance (a 2.9 million gallon overflow at the South WWTP) on April 7, 2003 was due to an extreme rain event (6-inches of rain in 30 hours) and two unrelated events which resulted in a unique situation. During the rain event, a lightning strike affected the plant computer system and pumps at the primary effluent pump station, and at the same time, two backup pumps were out of service because variable frequency drives (VFDs) were being replaced. For reference, the 6-inches of rain are in excess of the 2-year 12-hour design storm (approximately 4.5 inches) which the RMAP projects are based on. In other words, even after the consent decree RMAP work is completed, a storm of this magnitude would still cause overflows in the system.

The remaining noncompliances (South WWTP NPDES permit violations) were due to some serious unanticipated mechanical equipment failures and special operational problems at the South WWTP, including:

1. Intense snail infestations impacting operations and effluent quality
2. Structural and mechanical failure at 4 of 8 trickling filters

These failures and problems have been documented in correspondence (see attached November 13, 2002 and July 15, 2003 letters), reported in Consent Decree Quarterly Reports, and discussed in meetings with LDEQ and EPA. We have been working diligently to correct the problems, and in the interim to mitigate the impact of the problems, as indicated by the following actions:

Installed experimental snail removal screen at Central WWTP, with assistance from LSU. Based on successful operation, have started installing a similar snail screen at the South WWTP.

2. Coordinated and paid for many investigations of trickling filter distribution arms, including with the design engineer, manufacturer, and independent metallurgist. Based on investigations, we are pursuing legal action against the original manufacturer (recently bought by another company).
3. In the interest of correcting the problem as soon as possible, we solicited emergency bids to procure and install new distribution arms at the 4 trickling filters.
4. In the interim, our operations staff salvaged parts and managed to get one trickling filter on line to provide some level of treatment – even if inefficient.
5. Additionally, while waiting for the procurement process for new distributors, we again relied on the assistance of LSU and our operations staff to install a temporary Ferric Chloride feed system. Although costly, this polymer should improve the performance of the secondary clarifiers until the new equipment comes on line. To date we have expended approximately $ 45,000 on equipment and chemicals for this temporary solution.
6. We continue to rely on the assistance of LSU to help us evaluate operational issues and process control procedures. Managers, engineers, operations and maintenance staff from all three wastewater treatment plants meet monthly to

discuss WWTP performance and specific actions to improve operations and performance.

Attached to this letter are documents included in quarterly and annual consent decree reports with additional information and details about the South WWTP problems and corrective actions. We will continue to keep you informed of the status of our corrective actions.

We appreciate your understanding of the special circumstances related to certain noncompliance events, and hope you will take this information into account.

If you need any further information, please don't hesitate to contact me.

Sincerely,

Fred E. Raiford III
Director of Public Works

FER: dlb

Xc: Jerome M. Klier, P.E., Deputy Director of Public Works
Jim Thompson, Parish Attorney
Kent Mudd, Special Projects Engineer
Robert Groht, Jr., Wastewater Treatment Plant Manager
Mike Hill, Financial Administrator, Wastewater Operations
Rick Wright, Wastewater Engineer
Robert Quance (EPA)
Peggy Hatch (LDEQ)
Bruce Hammatt (LDEQ)
William McHie (MWH)

DEPARTMENT OF PUBLIC WORKS
Sewer Division
City of Baton Rouge and Parish of East Baton Rouge
329 Chippewa Street
Baton Rouge, LA 70805-7686

July 10, 2003

Mr. Paul Nola
Project Manager
Cajun Constructors, Inc.
P.O. Box 104
Baton Rouge, La 70821-0104

Re: Rehabilitation of Trickling Filter Rotary Distributors
South Treatment Plant
Project No. 02-WWT-02

Dear Mr. Nola:

This is in reference to your June 27, 2003 letter and a follow-up to the June 26, 2003 meeting concerning the above captioned project. At the meeting, we discussed the requirement that the submittals be signed and sealed by a Louisiana-registered professional engineer and the fact that you were having problems meeting that requirement.

In your letter you state that the contract documents specifically call out three manufacturers which are acceptable to furnish the trickling filter rotary distributors, and that you are prepared to purchase the equipment from one of those named manufacturers. However, that manufacturer does not have a registered Louisiana Professional Engineer on staff that will sign and seal the furnished submittal information. You feel that this is a discrepancy in the contract documents and you should not be held responsible for the delays and failure to meet the contract specifications.

This matter has been discussed with Mr. Fred E. Raiford, III, Director of Public Works and our interpretation is that there is no discrepancy in the contract documents. The contract specifications call out three manufacturers that meet the quality assurance requirements for this installation. That is, they have at least five years experience in the production of similar type equipment and have evidence of satisfactory operation in at least five installations which have been operating for a minimum of five years each. It is the contractor's responsibility to meet all of the contract specifications including the requirement that all drawings and submittals shall be stamped by a Louisiana-registered professional engineer in accordance with the rules and laws governing Engineering License in the State of Louisiana.

Again, you are reminded that to date, 108 calendar days have passed or 45.0% of the contract time has been used with 0% of the project completed. Completion of this project is critical to our meeting the requirements of our discharge permit, which is also a requirement of the Consent Decree.

If you have any questions concerning this matter, please contact me at telephone 225-389-3154.

Sincerely,

Richard P. Wright, P.E.
Wastewater Engineer

cc: Mr. Fred E. Raiford, III
Mr. Jerome M. Klier, P.E.
Mr. Kent A. Mudd, P.E.
Mr. Charles B. Woodruff, P.E.
Mr. Jim Thompson
Liberty Mutual Insurance Company

DEPARTMENT OF PUBLIC WORKS
Sewer Division
City of Baton Rouge and Parish of East Baton Rouge
329 Chippewa Street
Baton Rouge, LA 70805-7686

October 9, 2003

Mr. Paul Nola
Project Manager
Cajun Constructors, Inc.
P.O. Box 104
Baton Rouge, La 70821-0104

Re: Rehabilitation of Trickling Filter Rotary Distributors
South Treatment Plant
Project No. 02-WWT-02

Dear Mr. Nola:

This is a follow-up to the Request for Information No. 1 dated September 8, 2003 concerning the control panels for the above captioned project. A response was faxed to you on September 11, 2003. Since that time there has been no submittals concerning the control panels and/or electrical system. Although the submittal for the trickling filter rotary distributor was approved as noted on August 25, 2003, the electrical system was not a part of that submittal and we are concerned that this project will not be completed on time.

No updated schedule has been received showing when work will begin at the site or the anticipated completion date. There are 41 calendar days remaining in the contract time. Again, you are reminded that to date, 199 calendar days have passed or 82.9% of the contract time has been used with 0% of the project completed. Should you fail to complete the work within the contract time, as extended, liquidated damages in the amount of two hundred seventy dollars ($270.00) per day will be assessed in accordance with the Contract Documents. Completion of this project is critical to our meeting the requirements of our discharge permit, which is also a requirement of the Consent Decree.

If you have any questions concerning this matter, please contact me at telephone 225-389-3154.

Sincerely,

Richard P. Wright, P.E.
Wastewater Engineer

cc: Mr. Fred E. Raiford, III
Mr. Jerome M. Klier, P.E.
Mr. Kent A. Mudd, P.E.
Mr. Charles B. Woodruff, P.E.
Mr. Jim Thompson
Liberty Mutual Insurance Company

Office Phone: (225) 389-3154 Fax Phone (225) 389-7618

DEPARTMENT OF PUBLIC WORKS
Sewer Division
City of Baton Rouge and Parish of East Baton Rouge
329 Chippewa Street
Baton Rouge, LA 70805-7686

October 20, 2003

Mr. Paul Nola
Project Manager
Cajun Constructors, Inc.
P.O. Box 104
Baton Rouge, La 70821-0104

Re: Rehabilitation of Trickling Filter Rotary Distributors
South Treatment Plant
Project No. 02-WWT-02

Dear Mr. Nola:

This is in response to your October 10, 2003 letter indicating that your records show that you have not received the Notice To Proceed for the above captioned project. Attached for your information and files is a copy of the Notice To Proceed dated March 20, 2003.

Please be advised that we are concerned that this project will not be completed on time. There are now 30 calendar days remaining in the contract time. Again, you are reminded that to date, 210 calendar days have passed or 87.5% of the contract time has been used with 0% of the project completed. Should you fail to complete the work within the contract time, as extended, liquidated damages in the amount of two hundred seventy dollars ($270.00) per day will be assessed in accordance with the Contract Documents. Completion of this project is critical to our meeting the requirements of our discharge permit, which is also a requirement of the Consent Decree.

If you have any questions concerning this matter, please contact me at telephone 225-389-3154.

Sincerely,

Richard P. Wright, P.E.
Wastewater Engineer

Attachment

cc: Mr. Fred E. Raiford, III
Mr. Jerome M. Klier, P.E.
Mr. Kent A. Mudd, P.E.
Mr. Charles B. Woodruff, P.E.
Mr. Jim Thompson
Liberty Mutual Insurance Company

DEPARTMENT OF PUBLIC WORKS
Sewer Division
City of Baton **Rouge and Parish of East Baton Rouge**
329 Chippewa Street
Baton Rouge, LA 70805-7686

November 20, 2003

Mr. Paul Nola
Project Manager
Cajun Constructors, Inc.
P.O. Box 104
Baton Rouge, La 70821-0104

Re: Rehabilitation of Trickling Filter Rotary Distributors
South Treatment Plant
Project No. 02-WWT-02

Dear Mr. Nola:

This is to acknowledge your November 4, 2003 letter requesting a contract time extension of 81 calendar days. This request is currently being reviewed and discussed within the Department. You will be notified as soon as a decision is reached.

If any additional contract time is awarded, then a Change Order will be prepared for your signature and Council action. Contract time cannot be extended without Metropolitan Council approval.

The original contract time called for construction to be complete on or before November 19, 2003. Therefore, you are to be assessed liquidated damages in the amount of two hundred seventy dollars ($270.00) per day in accordance with the Contract Documents if your request is denied. You are reminded that completion of this project is critical to our meeting the requirements of our discharge permit, which is also a requirement of the Consent Decree.

If you have any questions concerning this matter, please contact me at telephone 225-389-3154.

Sincerely,

Richard P. Wright, P.E.
Wastewater Engineer

cc: Mr. Fred E. Raiford, III
Mr. Jerome M. Klier, P.E.
Mr. Kent A. Mudd, P.E.
Mr. Charles B. Woodruff, P.E.
Mr. Jim Thompson
Liberty Mutual Insurance Company

Office Phone: (225) 389-3154 Fax: (225) 344-7618

Department of Public Works

City of Baton Rouge
Parish of East Baton Rouge

Post Office Box 1471
Baton Rouge, Louisiana
70821

December 4, 2003

Mr. Paul Nola
Project Manager
Cajun Constructors, Inc.
P.O. Box 104
Baton Rouge, La 70821-0104

Re: Rehabilitation of Trickling Filter Rotary Distributors
South Treatment Plant
Project No. 02-WWT-02

Dear Mr. Nola:

This is in reference to the recent start of the twenty-one (21) day run test of the distribution arms for Trickling Filters No. 5 & 7 on the above captioned project. It has been brought to my attention that shortly after being loaded, truss members deformed and failed. The test was stopped at that time. Attached for your information is a copy of photographs taken during and following the test showing the deformed truss members.

These trusses are deemed defective and are rejected. In accordance with the Standard Specifications, these defective materials shall be removed from the site. No rejected material, the defects of which have been corrected, shall be used without approval.

Corrective action being undertaken at the present time is at your own risk. Recommended corrective actions submitted by DBS Manufacturing are not signed and stamped by a Louisiana registered engineer as required by the contract documents. You are directed to provide this office with signed and sealed drawings of the corrective action to be taken and a schedule of anticipated completion for this project.

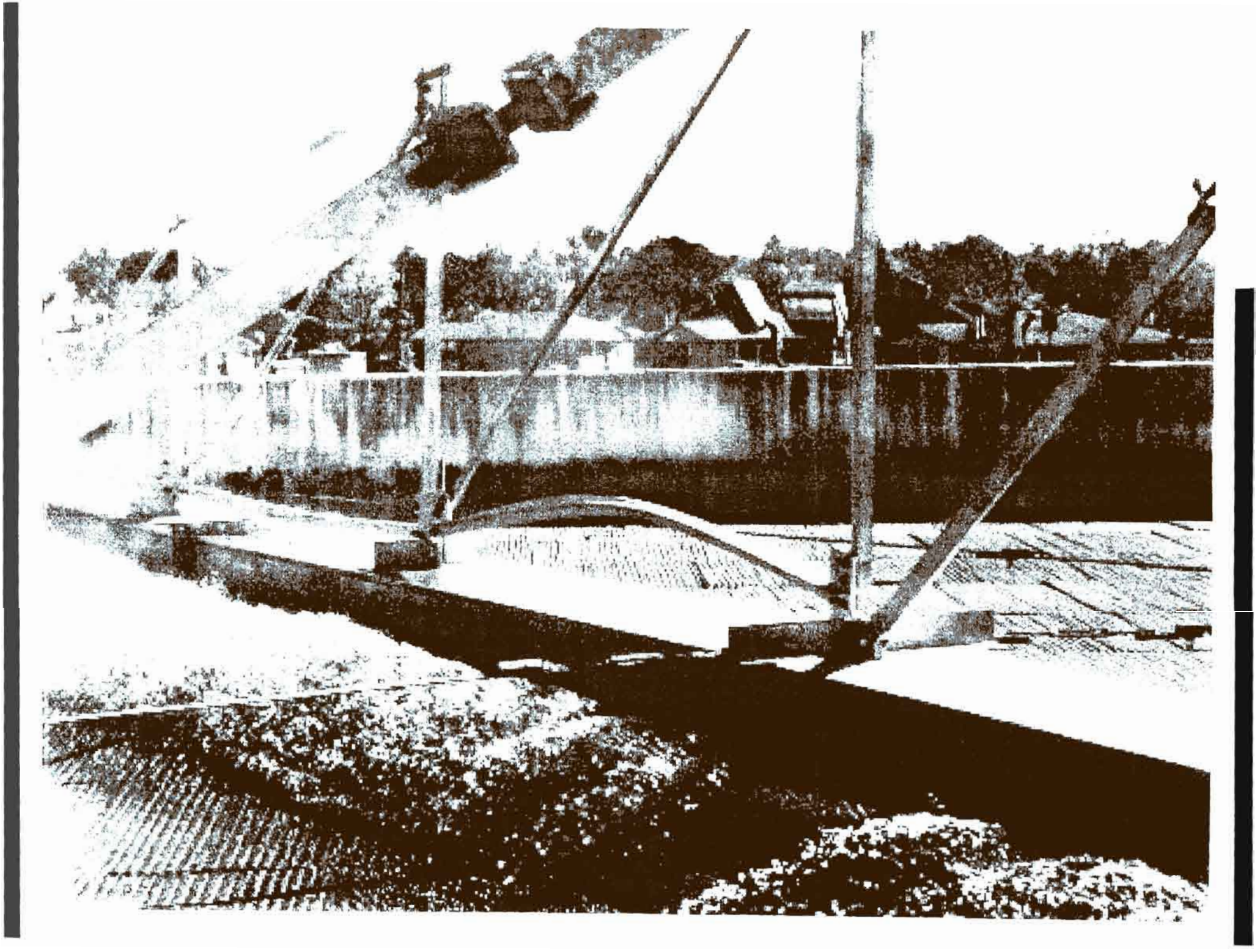
You are reminded that the original contract time expired on November 19, 2003 and that unless additional time is granted in response to your November 4, 2003 request, you are in default of your contract and will be assessed liquidated damages in the amount of two hundred seventy dollars ($270.00) per day. You are also reminded that completion of this project is critical to our meeting the requirements of our discharge permit, which is also a requirement of the Consent Decree.

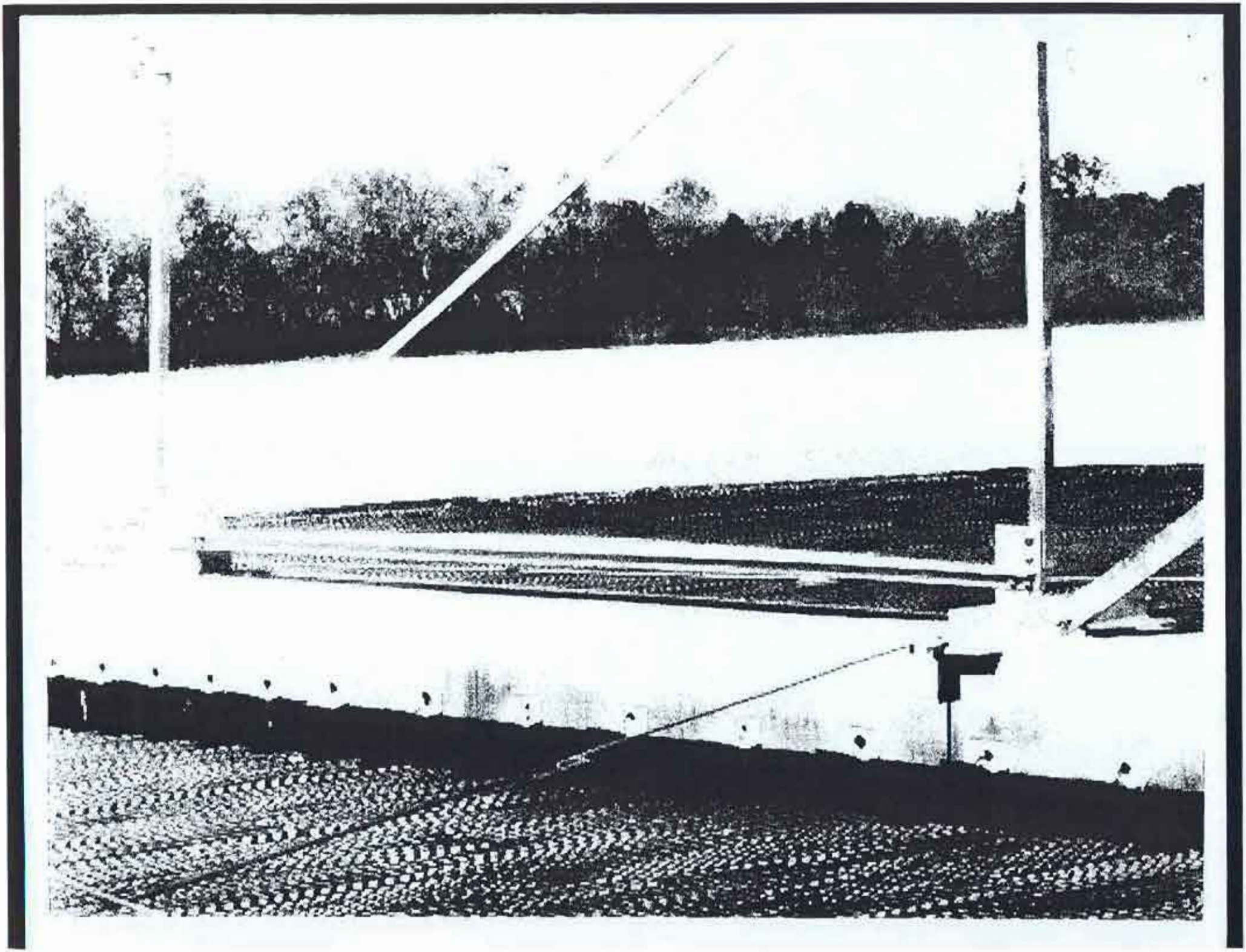
If you have any questions concerning this matter, please contact me at telephone 225-389-3158.

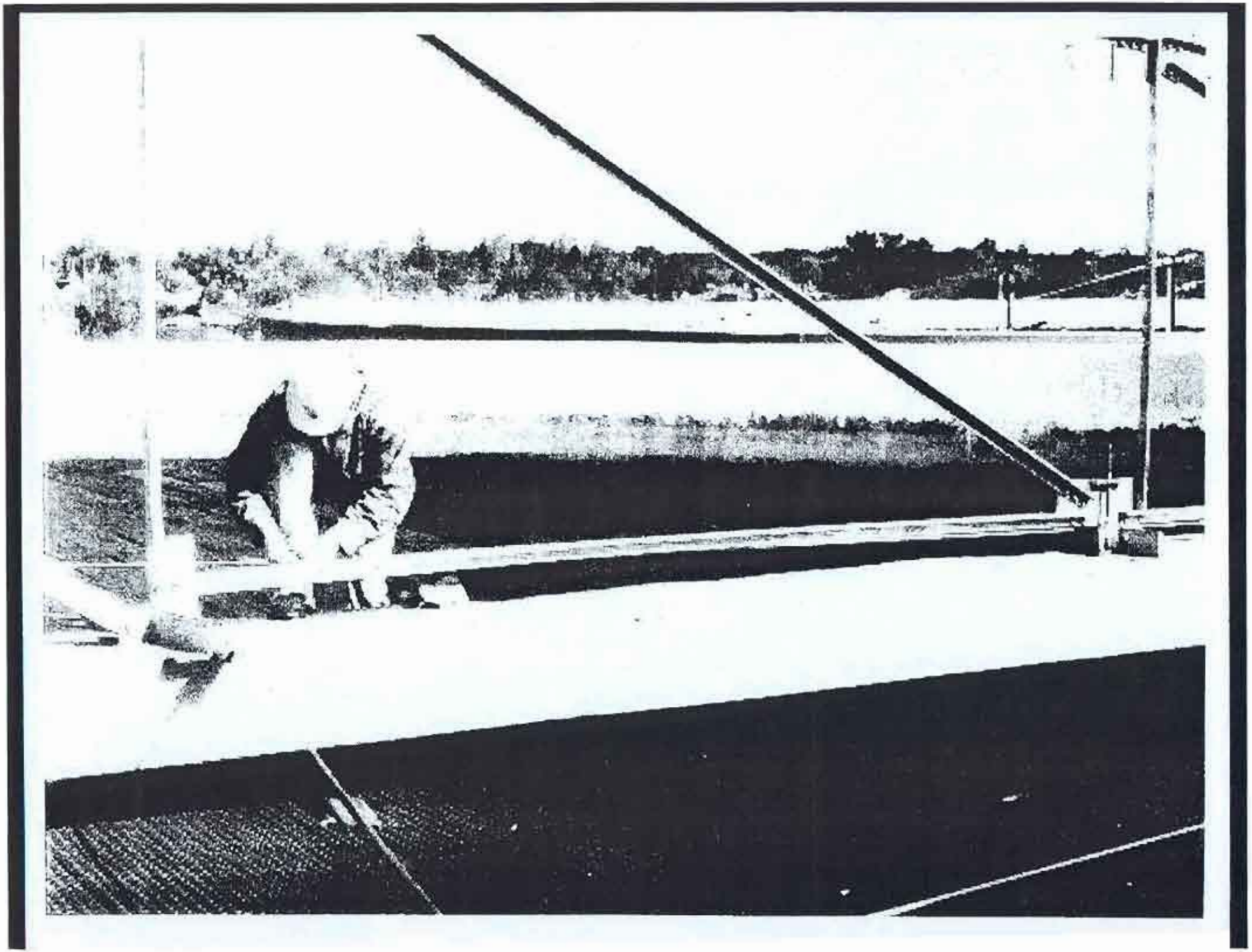
Sincerely,

Mr. Fred E. Raiford, III
Director

Attachments
cc: Mr. Jerome M. Klier, P.E.
Mr. Jeff Broussard, P.E.
Mr. Kent A. Mudd, P.E.
Mr. Richard P. Wright, P.E.
Mr. Charles B. Woodruff, P.E.
Mr. Jim Thompson
Mr. J. L. Martin
Liberty Mutual Insurance Company







DEPARTMENT OF PUBLIC WORKS
Sewer Division
City of Baton Rouge and Parish of East Baton Rouge
329 Chippewa Street
Baton Rouge, LA 70805-7686

December 5, 2003

Mr. David Abrusley
Assistant Project Manager
Cajun Constructors, Inc.
P.O. Box 104
Baton Rouge, La 70821-0104

Re: Rehabilitation of Trickling Filter Rotary Distributors
South Treatment Plant
Project No. 02-WWT-02

Dear Mr. Nola:

This is in response to your November 25, 2003 letter requesting a contract time extension of 1 calendar day. This request is due to the fact that Cajun was not allowed to start their twenty-one (21) day run test of the rehabilitated trickling filters until November 28 instead of November 27, 2003.

As you stated in your letter, Mr. Hugh Taylor at the South Wastewater Treatment Plant informed you that due to the Thanksgiving Day holiday the required plant personnel would not be on site that day. But the staff would be available for you to start your test on November 28, 2003, also a City-Parish holiday. The Standard Specifications state that no construction work shall be performed on Sundays or holidays without the permission of the engineer. You were allowed to work on a holiday when the plant was fully staffed.

Therefore, your request is denied. The original contract time called for construction to be complete on or before November 19, 2003. Therefore, you are to be assessed liquidated damages in the amount of two hundred seventy dollars ($270.00) per day in accordance with the Contract Documents pending the resolution of your previous request for an eighty-one (81) calendar day extension. You are reminded that completion of this project is critical to our meeting the requirements of our discharge permit, which is also a requirement of the Consent Decree.

Office Phone: (225) 389-3154 Fax Phone (225) 389-761

If you have any questions concerning this matter, please contact me at telephone 225-389-3154.

Sincerely,

Richard P. Wright, P.E.
Wastewater Engineer

cc: Mr. Fred E. Raiford, III
Mr. Jerome M. Klier, P.E.
Mr. Kent A. Mudd, P.E.
Mr. Charles B. Woodruff, P.E.
Mr. Jim Thompson
Liberty Mutual Insurance Company

Appendix E

X. Authorizing the Mayor-President to execute a contract between the City of Baton Rouge/Parish of East Baton Rouge and Shaw Environmental, Inc. to provide professional engineering and consulting services for the project titled "Brownfields Site Assessment Pilot". By: Planning Director.
(F&E recommended approval)

RESOLUTION 42362

Y Consideration of adding Hartford Life Insurance Company as a second provider for voluntary Deferred Compensation savings by City of Baton Rouge, Parish of East Baton Rouge employees. By: Assistant Human Resources Director.
(F&E referred without a recommendation)

ADOPTED MOTION TO DEFER TO THE MARCH 26, 2003 COUNCIL MEETING.

Z. Authorizing the Metropolitan Council to declare Lot 23,Square 37, South Baton Rouge Subdivision, 2322 Tennessee Street, East Baton Rouge Parish, Louisiana Surplus Property and to authorize the sale of said lot to Henry Wright, his/her agent of assign for the consideration of $1500.00 cash, or to the highest offeror who submits his/her offer with a certified check or money order in the amount of $325.00. By: Parish Attorney.
(F&E referred without a recommendation)

APPRAISED AMOUNT: $2250.00

AMOUNT OF TAXES AND/OR LIENS DUE CITY-PARISH: $1069.24

ORDINANCE 12576

AA. Authorizing the Metropolitan Council to declare Lot 8, Square 114,Istrouma Subdivision, Corner of Topeka and Calumet Street, East Baton Rouge Parish, Louisiana surplus property and to authorize the sale of said lot to Eddie Banks, his/her agent or assign for the consideration of $1,500.00 cash, or to the highest offeror who submits his/her offer with a certified check or money order in the amount of $225.00. By: Parish Attorney.
(F&E recommended approval)

APPRAISED AMOUNT: $1,000.00

AMOUNT OF TAXES AND/OR LIENS DUE CITY-PARISH: $ 662.68

ORDINANCE 12577

BB. Allowing for Public Comment on the draft Environmental Information Document (EID) to discuss the potential environmental impacts of three (3) of the projects associated with the Sanitary Sewer Overflow (SSO) Corrective Action Plan, for incorporation in the final EID. This EID is a necessary step in securing State Revolving Loan Fund Financing. By: Director of Public Works.
This item has been advertised and requires a public hearing on February 26, 2003.

AT THE CONCLUSION OF THE PUBLIC COMMENT PERIOD THE PRO-TEMP ANNOUNCED NO ACTION WAS NECESSARY FOR THE COUNCIL TO TAKE.

PROJECT

Baton Rouge Tunneling Workshop
Agenda – April 2, 2003

A. Welcome / Program Overview..... .....8:30 to 9:00

B. Tunneling Media – Subsurface Conditions.....9:00 to 10:00

- Subsurface Conditions
- Subsurface Investigation
- Ground Response to Tunneling
- Questions / Discussion

Break **10:00 to 10:15**

C. Shaft Tunnel Construction.....10:15 to 12:00

- Shafts and Ground Support Systems
- Soft Ground Tunneling
- Linings and Pipe
- Questions / Discussion

LUNCH.....12:00 to 1:30

D. Program Management Requirements.....1:30 to 2:15

- Design Consultant Scope / Submittals / Reviews
- Design Standards and Guidelines
- Third Party Issues
- Questions / Discussion

Break **2:15 to 2:30**

E. Design Considerations.....2:30 to 4:00

- Performance vs Prescriptive Specifications
- Geotechnical Baseline Reports
- Monitoring and Protection of Adjacent Properties
- Structures (access/drop)
- Ventilation
- Fault crossing

News from the Branches

ACADIANA

By Larry A. Cramer, PE, President

On behalf of the Branch, I wish to congratulate **William H. Miller**, PE, on his recent election and elevation to the ASCE membership grade of Fellow. For more about him, see the Career Benchmarks item in this issue.

The Branch is very excited to receive funding through the ASCE State Public Affairs Grant. This grant is directed toward the continuation of programs previously supported by the Branch. They include civil engineering book donations, the purchase of air time for the civil engineering related television commercial and helping to fund the Career Connections Expo. The Board of Directors decided that the book donations this year will be made to the New Iberia Parish School Board. The commercial will be aired during premium slots on Fox 15, KLFY and MTV in Lafayette during the times that will target elementary and middle school students. Additionally, these stations will air public service announcements in other time slots. These commercials will continue to stress the importance of civil engineering to the general public. The Career Connections Expo that was attended in January was a great success. All the Branch members who volunteered experienced how enjoyable it was to meet the participating students.

The Branch website address has been changed to www.asceacadiana.net. Please visit it for recent ASCE news and events. The Branch is distributing its monthly newsletter *The Acadiana Pipeline* by e-mail rather than by the US Postal Service. For this reason, please make sure your e-mail address is current.

The May membership meeting will again be a crawfish boil held at Acadiana Park on May 16th. The event is a joint meeting sponsored by the local chapters of the ASCE, the Louisiana Engineering Society and the Institute of Electrical and Electronics Engineers. This annual event is always a great opportunity for local professionals engineers, engineering students and family members to relax and socialize.

The election of the members of the Branch Board of Directors was scheduled during the April membership meeting. Dennis Truax, PE, the District 14 Director of the ASCE, was the guest speaker for the March membership meeting. Truax made a presentation on the details and issues regarding ASCE Policy 465. His presentation covered why additional education is required in civil engineering and what the required education may consist of. After the meeting, the Board handed out a questionnaire for the Branch members in attendance to voice their opinions and offer comments about ASCE Policy 465. The Board compiled the results and submitted them to the Section Board of Directors and Truax.

Robert W. Schmidt, PE, with HNTB Corporation was the featured speaker for the February membership meeting. He gave a presentation on the technical considerations for the future I-49 corridor through Lafayette Parish.

SHREVEPORT

By Joe E. (Butch) Ford, PE, President

The Branch is seeking nominations for the position of Secretary-Treasurer to serve if elected on its Board of Directors during the 2003 - 2004 administrative year. The induction of the newly elected officers who will serve on the Branch Board of Directors is scheduled during the luncheon following the Annual Golf Tournament.

The featured speaker for the April membership meeting is Eric England, Deputy Director of the Caddo Bossier Port Commission. Eric plans to discuss the growth of the Caddo Bossier Port and the projects planned for the anticipated future needs of the Port.

The Annual Golf Tournament sponsored by the Chapter is scheduled for May 16th at Olde Oaks Golf Club. The proceeds from this golf tournament are used to fund two scholarships for civil engineering students in the Louisiana Tech Student Chapter. The previous tournament provided the Branch the revenues to give two $250 scholarships. We are very excited about the upcoming tournament and are expecting a large turnout of golfers.

On behalf of the Branch, I wish to thank the Baton Rouge Branch for hosting such a successful Section Annual Spring Meeting and Conference. I found the technical sessions presented very informative. The Branch is now planning to host the Section's 2004 Annual Spring Meeting and Conference. The Board of Directors has already met and started making its plans to host the Conference next year. If you have any suggestions for a topic to be presented as a technical session, please contact C. Eric Hudson, PE, at 221-7501 or ehudson@alliance-ae.com.

The Branch jointly sponsored with the Shreveport Chapter of the Louisiana Engineering Society a well attended and informative membership meeting in March. The featured speaker, Andrew C. Dressel, PE, with Gulf States Engineering made a presentation concerning the design of lift stations.

BATON ROUGE

By J. Keith Shackelford, PE, President

Since the beginning of the year the Branch has had only one membership meeting and luncheon — the one in January. The membership meetings that would have been scheduled for March and April were preempted by the Engineers Week Banquet and the Section Annual Spring Meeting and Conference in Baton Rouge. We will be getting back into the swing of things in a big way with the membership meeting planned for April 17th. The Branch will jointly host a membership meeting with the Baton Rouge Chapter of the Louisiana Engineering Society at Ralph & Kacoo's restaurant. The featured speaker for this meeting will be Mayor-President Bobby Simpson.

A two-day seminar on tunneling and large pump station design was hosted by the East Baton Rouge City-Parish Department of Public Works and Montgomery-Watson-Harza April 2-3. To say that this seminar was well attended would be an understatement. Billable hours for Baton Rouge design firms were at a premium for those 2 days. Given the level of interest of design consultants in the upcoming selection for the related projects, the large attendance was no surprise. Attendees were treated to presentations by engineers with years of experience in these types of large public works projects. As Jerry Klier indicated, the presenters were clearly qualified as experts. They all carried brief cases and came from more than 50 miles away. In all seriousness, to work on projects of the type and magnitude proposed in the Baton Rouge Sanitary Sewer Overflow Elimination Program is a once in a lifetime opportunity. Given the costs and risks involved in such work, it requires our very best engineering efforts. Through such efforts, the City-Parish Department of Public Works is doing an excellent job of keeping the engineering community informed.

The Section 2003 Annual Spring Meeting and Conference was hosted by the Branch and by all measures, it was a great success. In every aspect, from the number of attendees to the slate of technical session presenters, the luncheon and banquet featured speakers to the venue, the Conference was outstanding. Roy and Day Waggenspack were responsible for the planning, preparation and execution of the Conference and they deserve our heartfelt thanks. We will be hard pressed to match the success of this conference 3 years from now when it is scheduled to return to Baton Rouge.

TRENCHLESS TECHNOLOGY SEMINAR

Pipeline Installations and Renewals

Tuesday and Wednesday, April 22nd & 23rd, 2003

Baton Rouge Marriott

Baton Rouge, Louisiana

PROGRAM

TUESDAY, APRIL 22ND, 2003

7:30 am	***Registration and Refreshments***
8:15 am	**WELCOME ADDRESS,** Leonard Ingram, Executive Director, Southeast Society for Trenchless Technology
8:30 am	**Introduction to Trenchless Technology,** Tom Iseley, Ph.D., P.E., Blackhawk-PAS, Inc.
9:00 am	**Trenchless Applications Using Ductile Iron Pipe,** Louis Fierman, American Ductile Iron Pipe
9:30 am	**Manhole Rehabilitation,** Wayne Coake, Protective Liner Systems, Inc.
10:00 am	***BREAK WITH REFRESHMENTS IN EXHIBIT HALL***
10:30 am	**Changing Open Trench Sewer Projects To Trenchless,** Ted Dimitroff, Trenchless Flowline
11:00 am	**Trenchless Solutions Play Key Role in Baton Rouge SSO Program,** Kent Mudd, City of Baton Rouge and Bill McHie, Montgomery Watson Harza
11:30 am	**Pipe Bursting,** Eddie Ward, TT Technologies, Inc.
12:00 Noon	***BUFFET LUNCH IN RESTAURANT – Provided With the Registration Fee***
1:00 pm	**Chemical Grouting Overview,** Jay Guillot, Avanti, Inc.
1:30 pm	**Design Approaches in Trenchless Construction,** Amer Tufail, P.E., Camp Dresser and McKee
2:00 pm	**Trenchless Technology Research Activities At La Tech,** Dr. Aziz Saber, P.E., Louisiana Tech
2:30 pm	**Trenchless Pipe Replacement Using Rigid Pipe,** Al Tenbusch, Tenbusch, Inc.
3:00 pm	***BREAK WITH REFRESHMENTS IN EXHIBIT HALL***
3:15 pm	**Clay Pipe for Microtunneling and Pipe Bursting,** Mark Bruce, Can Clay Corporation
3:45 pm	**Manhole Renewal Using Epoxy and Cured In Place Pipe,** J. B. Conant, Suncoast Infrastructure
4:15 pm	**Trenchless Manhole Renewal,** Bill Shook, AP/M Permaform
4:45 pm	***SOCIAL HOUR IN EXHIBIT HALL*** - **SPONSORED BY BOH BROS. CONSTRUCTION CO., LLC**

WEDNESDAY, APRIL 23RD, 2003

7:30 am	***Registration and Refreshments***
7:55 am	**OPENING REMARKS,** Leonard Ingram, Executive Director, SESTT
8:00 am	**SSES-Concept to Construction,** Casey Smith, CES
8:30 am	**Evaluation and Assessment of Distribution Systems,** Ron Thompson, P.E., Malcolm Pirnie, Inc.
9:00 am	**S&WB of New Orleans $500M Sewer Rehab Project,** Joe Becker, P.E., Sew. & Water Board of N.O.
9:30 am	**Atlanta Dept. of Watershed Management Overview,** Troy Norris, PhD., Assistant to City Commissioner
10:00 am	***BREAK WITH REFRESHMENTS IN EXHIBIT HALL***
10:30 am	**Hobas Pipe in Trenchless Applications,** Rick Turkopp, P.E., Hobas Pipe
11:00 am	**Advanced Pipeline Assessment Technology (SSET),** Tom Iseley, Ph.D., P.E., Blackhawk-PAS, Inc.
11:30 am	**Microtunneling,** Carl Neagoy, Akkerman Inc.
12:00 Noon	***BUFFET LUNCH IN RESTAURANT – Provided With the Registration Fee***
1:00 pm	**Structural Epoxy Repair of Deteriorated Concrete Study,** Danny Warren, Warren Environmental
1:30 pm	***VISIT TO PROJECT DEMONSTRATIONS*** **for Pipe Scanning (SSET) Field Demo By Blackhawk-PAS and Pipe Bursting Field Demo by TT Technologies**

LWEA MEETING

12:25 (Lunch Provided)

WEDNESDAY

22 October 2003

Speakers

Kent Mudd P E & Bıll McH e P E
Cıty/Parısh of East Baton Rouge
MWH Baton Rouge

'Trenchless Technology For Sewer Restoratıon And Proposed Deep Tunnels To Reduce The Rısk Of Sanitary Sewer Overflows ın Baton Rouge

2412 CEBA (Germano Center)

Gulf Coast Municipal Forum on Trenchless Technology
Thursday, November 20, 2003 (9AM – 3PM)

Radisson Hotel & Conference Center
4728 Constitution Avenue • Baton Rouge, LA 70808
(225) 925-2244

Draft Agenda

Morning Session - Joint Session with Invited Industry Participants

Coffee and Reception – ***Provided by the TTC***

9:20 **Utility Detection – Wave Tech - GEOVision, John Diehl**
GEOVision offers a full range of high-quality geophysical data acquisition, analysis, and imaging services. GEOVision specializes in non-invasive methods of investigation for engineering, environmental, groundwater, mining, and archaeological applications.

10:10 **City of Baton Rouge, LA – Kent Mudd**
Mr. Mudd will discuss various aspects of the City's trenchless projects and experiences.

11:00 Break

11:20 **SANIPOR Project – City of Lafayette, LA, Steve Rainey**
Mr. Rainey will describe the City's April 2003 SANIPOR project. He will discuss SANIPOR's floodgrouting technology, sewer-sealing process, and examine the benefits, challenges and costs encountered during the City's project. He will also address the ways to approach SANIPOR procedures in the future.

12:00 **Ameron International Corporation, Bob Lux**
Ameron International Corporation is a multinational manufacturer of highly engineered products and materials for the chemical, industrial, energy, transportation and infrastructure markets. Ameron is a leading producer of water transmission lines; high-performance coatings and finishes for the protection of metals and structures; fiberglass-composite pipe for transporting oil, chemicals and corrosive fluids and specialized materials and products used in infrastructure projects.

12:40 Lunch – ***Provided by the TTC***

Afternoon Session – Open Exclusively to Municipal Participants

1:30 Discussion
2:45 Action items for follow up/ Arrange Date and Topic of Spring 2004 Meeting
3:00 Adjourn

ATTENTION!!!

SEWER MEETING FOR RESIDENTS OF:

Sharon Hills
Pleasant Hills
Cedar Glen
Green Acres

City-Parish and Engineering personnel will be on hand to answer questions about the Subdivision Supplement Environmental Project, which will begin this month. The main purpose of the project is to abide by the EPA Consent Decree to update sanitary facilities by eliminating septic tanks and redirecting flow through new sewer lines to existing or new pump stations.

Sewer Meeting Hosted BY:
COUNCILMEN CHARLES KELLY
and JOSEPH GRECO
St. Pius X Cafeteria
6380 Hooper Road
Thursday – September 11, 2003 – 6:30 p.m.

KEEP THESE NUMBERS HANDY:

Project Contractor:
Allen & LeBlanc, LLC
Office: 272-4599

DPW Sewer Administration
389-3154

Office of Public Information

Post Office Box 1471
Baton Rouge, LA 70821

225-389-3121
email: brinfo@brgov.com
http://brgov.com

For Immediate Release

Release Date: 09/08/2003

Sewer Meeting for Residents of Sharon Hills, Pleasant Hills, Cedar Glen and Green Acres

City-Parish and Engineering personnel will be on hand to answer questions about the Subdivision Supplement Environmental Project, which will begin this month. The main purpose of the project is to abide by the EPA Consent Decree to update sanitary facilities by eliminating septic tanks and redirecting flow through new sewer lines to existing or new pump stations.

The Sewer Meeting is hosted by Councilmen Charles Kelly and Joe Greco and will be held at St. Pius X Cafeteria, located at 6380 Hooper Road on Thursday, September 11, 2003 at 6:30 p.m. For more information contact the Project Contractor, Allen & LeBlanc, LLC (225) 272-4599 or the DPW Sewer Administration at (225) 389-3154.

Fact Sheet for Sharon Hills/Cedar Glen/Pleasant Hills/Green Acres Supplemental Environmental Project

1. What is a Supplemental Environmental Project?

In order to meet the requirements of the Federal Clean Water Act and avoid significant fines and penalties, the City/Parish has entered into a Consent Decree with the U.S. Environmental Protection Agency and the LA Department of Environmental Quality. In order to reduce the fine amount and to spend the funds on projects benefiting both the public health and the environment, the City/Parish was successful in adding this Supplemental Environmental Project in the Consent Decree. Currently, the sanitary sewerage facilities in this area consist of individual septic tanks at each residence, which then discharge into the drainage canal through an underground pipe collection system. This septic tank effluent then ultimately drains into the Comite River. This Supplemental Environmental Project will eliminate these discharges into the local drainage system and redirect these flows through new sewer lines to the North Wastewater Treatment Plant.

2. What are the Benefits?

By eliminating septic tank effluent from neighborhood canals, stream water quality will improve and odors will be eliminated for local residents and BREC park visitors. Other benefits include:

Residents will no longer have to periodically pump out and maintain their septic tanks.

- Residents will no longer have to worry about the possibility of having to spend approximately $3,000 to upgrade their septic tank to an individual private treatment plant in order to sell their house.

- With the subdivision tied to the City/Parish Sewer System, property values may increase.

- Additionally, the City/Parish is waiving the $2,150 sewer impact fee normally collected when a residence is connected to the sewer system.

3. What will I have to do?

In accordance with the attached ordinance, you will have to abandon your septic tank, absorption field and collection line. You or your plumber will have to pump out your septic tank and back fill it with sand. You or your plumber will have to install a new service line from the septic tank house inlet and reconnect it to the existing collection line at the property or servitude line.

4. When will I have to take these actions?

The City/Parish will issue a Notice to Proceed to the contractor, and the contractor has until May 2004 to complete the project. Upon final acceptance by the Metropolitan Council and notification from the Department of Public Works, the property owners will have six (6) months to obtain a no cost permit from DPW to abandon their septic tank and connect to the City/Parish sewer system. Until notified that the project has been accepted, no one will be allowed to obtain a permit to bypass their septic tank.

5. Will I have to pay a monthly sewer user fee?

Yes, upon final acceptance of the project by the Metropolitan Council, residents will be billed a monthly sewer user fee, beginning in about May 2004. The bill is based on water usage during a six (6) month period consisting of October-December and February-April. The average resident's bill for 2003 is $28.53 per month.

Sharon Hills/Cedar Glen/Pleasant Hills/Green Acres Supplemental Environmental Project
Fact Sheet
September 11, 2003

What is a Supplemental Environmental Project?

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6. Additional information:

Please contact Mr. Rick Wright or Mr. Mike Hill at (225) 389-3154 for any additional information or questions concerning this project.

done after advertisement for bids in accordance with the purchasing regulations.

(5) Upon completion of such work, the director of public works, or his representative, shall cause to be prepared and filed with the recorder of mortgages of this parish a certificate showing the cost of such work, a penalty of ten (10) percent thereof or fifty dollars ($50.00), whichever is greater, the name of the owner and a description of the property involved. The certificate shall operate from the date of filing as a tax lien or assessment on the property affected. This lien shall prescribe only in ten (10) years from the date of filing such certificate, may be enforced in a summary manner as other tax liens or assessments, and shall be subject to the same penalties, interest and attorney's fees.

(6) Upon the filing of this certificate, the director of public works, or his representative, in writing shall advise the director of finance and the parish attorney thereof; and the latter shall institute suit or take such other steps as may be required or necessary for the enforcement of such lien.

(City Ord. No. 4791, 10-27-82; Parish Ord. No. 5998, 10-27-82; Ord. No. 10069, § 1, 11-9-94; Ord. No. 10440, § 1, 9-13-95; Ord. No. 11568, § 1, 10-13-99)

Sec. 2:309. Violation and penalties.

(a) It shall be prohibited for anyone to create an opening into the sanitary sewer system that will allow the flow of surface water into said system, and any such opening is declared to be a nuisance detrimental to the public health and safety and as such, a misdemeanor, punishable as provided in subsection (b).

(b) Anyone who creates such an opening shall be guilty of a misdemeanor, and shall, upon conviction thereof, be punishable by a fine of not more than five hundred dollars ($500.00) for domestic users and one thousand dollars ($1,000.00) for nondomestic users or imprisonment for not more than thirty (30) days, or both, at the discretion of the court.

(Ord. No. 11569, § 1, 10-13-99)

PART III. INSTALLATION IN CONSOLIDATED SEWERAGE DISTRICT*

Sec. 2:310. Septic tank within three hundred feet of sanitary sewerage collection systems—Prohibited and declared nuisance. (Parish)

The use of septic tanks for sewerage disposal purposes by the owners of improved property where such property is located in the consolidated sewerage district of the parish, as the district is now or hereafter defined, and within three hundred (300) feet of a sanitary sewerage collection system, operated and maintained by the district, the city or the parish, is hereby prohibited, and such use is hereby declared to be a nuisance detrimental to the public health and safety and, as such, a misdemeanor, punishable as provided in section 2:312.

(Parish Code 1962, Title 2, § 309)

Sec. 2:311. Same—Director of public works to inspect and abate. (Parish)

Within six (6) months after a sanitary sewerage collection system has been connected with the trunk facilities of the consolidated sewerage district, the director of public works shall make an inspection of all areas of the district in which sanitary sewerage collection facilities are available and to abate the use of septic tanks whenever it is found (within the boundaries of the district) that the improved premises to which the septic tank is connected, is within three hundred (300) feet of sanitary sewerage collection facilities connected with trunk facilities of the district.

(Parish Code 1962, Title 2, § 310)

Sec. 2:312. Same—Failure to discontinue use. (Parish)

Any person who fails to discontinue use of a septic tank after notice to do so by the director of

*Note—See the editor's note to Art. I of this chapter.

public works, or his authorized representative, shall be guilty of a misdemeanor, as defined in section 2:310, and shall, upon conviction thereof, be punishable by a fine of not more than two hundred dollars ($200.00), or imprisonment for not more than twenty (20) days, or both, at the discretion of the district judge.
(Parish Code 1962, Title 2, § 311)

Sec. 2:313. Connection to sanitary sewerage collection system—Required. (Parish)

Within six (6) months after any established, constructed and operating sanitary sewerage collection system has been tied into the trunk system of the district as provided herein, all improved premises in the district and within three hundred (300) feet of the system shall be tied to and connected with the collection system, and the failure of the owner of any improved property in the district and within three hundred (300) feet of an established sanitary sewerage system to tie in and connect with the system after notice as provided herein, shall be guilty of a misdemeanor, punishable, upon conviction, by a fine of not more than two hundred dollars ($200.00), or imprisonment for not more than twenty (20) days, or both, at the discretion of the district judge.
(Parish Code 1962, Title 2, § 312)

Sec. 2:314. Same—Responsibility and authority of director of public works. (Parish)

The director of public works shall be charged with the responsibility of inspecting all areas within the consolidated sewerage district for the purpose of requiring all improved property therein and within three hundred (300) feet of any established sanitary sewerage collection system to be tied into and connected with the system by means of an approved installation.
(Parish Code 1962, Title 2, § 313)

Sec. 2:315. Same—Notice to connect; failure to comply with notice. (Parish)

Whenever the director of public works, or his representative, shall determine that a premises within three hundred (300) feet of a sanitary sewerage collection system is not connected with the system, the owner of the premises shall be given notice, by certified letter, directed to their last known address, to make connection with the sanitary sewerage system, and if the work of making connection with the sewerage system is not begun at the end of ten (10) days from the date the certified notice is deposited in the post office, the owner of the premises shall be guilty of a misdemeanor as hereinabove provided, and punishable in accordance with the provisions of section 2:313.
(Parish Code 1962, Title 2, § 314)

Sec. 2:316. Same—Authority of council to have connection made. (Parish)

In addition and supplemental to the penalties provided for herein, for failure to connect with an established sanitary sewerage collection system after due notice, the council shall have the authority, upon the recommendation of the director of public works, to compel the connection of improved property with the sanitary sewerage collection system by having the connection installed in the manner herein provided, and the cost thereof charged to the owner of the improved property for which the connection is provided.
(Parish Code 1962, Title 2, § 315)

Sec. 2:317. Same—Procedure. (Parish)

Whenever the council shall deem it necessary for the public health, that owners of one or more premises connect their premises with the sanitary sewerage system, the owner shall be so notified by certified mail, directed to his last known address. If the work of making the connection is not begun at the end of ten (10) days from the day the certified notice is deposited in the post office, the director of public works is hereby authorized to prepare plans and specifications for making connection. When such plans and specifications have been prepared, the council shall adopt an ordinance ordering the sewerage connection and authorizing the purchasing agent to advertise for bids for the purpose of having the connection installed.
(Parish Code 1962, Title 2, § 316)

Sec. 2:318. Same—Assessments against owners. (Parish)

Whenever the council shall order such connections installed, the entire cost of the sewerage connection, including the equipment, pipes, water connections, service pipes, labor engineering and other incidental items, shall be assessed against the owner of the improved premises for which the connection is provided, which assessment shall be levied and be payable according to the provisions of R.S. 33:4044 et seq. A certified copy of the ordinance levying the assessment, upon passage, shall be filed for record in the office of the clerk and recorder of mortgages, and when so filed and recorded, shall operate as a lien and privilege in favor of the parish and the consolidated sewerage district.
(Parish Code 1962, Title 2, § 317)

Sec. 2:319. Duty of owner.

(a) It shall be the duty of all owners of improved premises which have been tied in and connected to the operating sanitary sewage system, as hereinabove provided, to maintain the service line on the premises or within a servitude in favor of the premises up to the sanitary sewerage system which has been accepted and maintained by the city-parish. It shall also be the duty of all such owners to close any opening that allows the drainage of surface water into the sanitary sewer system. It shall only be the duty of the city-parish to maintain that portion of any service line located in a right-of-way dedicated to the public.

(b) Any person who violates the provisions of subsection (a) above shall be fined not more than five hundred dollars ($500.00) for domestic users, and one thousand dollars ($1,000.00) for nondomestic users or imprisoned for not more than thirty (30) days or both, at the discretion of the court.

(c) Any person who violates the provisions of subsection (a) above may be subjected to the following:

(1) When the director of public works, or his representative, upon evidence establishing more probably than not that the provisions of subsection (a) above have been violated, the director of public works, or his representative, shall send notice personally or by certified mail that the person who violates the provisions of subsection (a) shall begin to make efforts to remedy such violation within ten (10) days, and steadily and without delay continue such efforts to remedy such violation under the monitoring of the director of public works, or his representative. If the certified letter is not claimed or if no effort is made to remedy such violation of the provisions of subsection (a) above within ten (10) days upon receipt of the letter, or upon reasonable notice, suit shall be filed requiring the remedy of the violation of the provisions of subsection (a) above and authorizing fines up to five hundred dollars ($500.00) a day for domestic users, and one thousand dollars ($1,000.00) a day for nondomestic users in which no efforts are made toward remedying such violation. Said suit may recover reasonable attorney's fees, court costs, court reporter's fees, and other expenses of litigation against the person who violates the provisions of subsection (a) above.

(2) Where in the perception of the director of public works, or his representative, that public health will be threatened by the delays involved in the proceeding, as provided in the above paragraph, injunctive relief shall be permitted.

(3) Where immediate action is required to avoid a threat to public health, the director of public works, or his representative, may act to remedy such violation of subsection (a) above and seek damages from the person committing the violation of subsection (a) above. Fines up to five hundred dollars ($500.00) a day for domestic users, and one thousand dollars ($1,000.00) a day for nondomestic users until the threat to public health is abated, and costs incurred in remedying such violation of subsection (a) above may be recovered. Also, said suit may recover reasonable attorney's fees, and other ex-

penses of litigation against the person who violates the provisions of subsection (a) above.

(4) If the director of public works, or his representative, acts to remedy such violation of subsection (a), or if the owner is an absentee or has no known mailing address, the director of public works, or his representative, shall then cause the necessary work to be done to effect compliance with the provisions of this section at the owner's expense; and the director of public works, or his representative, may have such work done either with the personnel and equipment of his department, or by means of a contract with a third person; except that if the work is done by private contract, the work shall only be done after advertisement for bids in accordance with the purchasing regulations.

(5) Upon completion of such work, the director of public works, or his representative, shall cause to be prepared and filed with the recorder of mortgages of this parish a certificate showing the cost of such work, a penalty of ten (10) percent thereof or fifty dollars ($50.00), whichever is greater, the name of the owner and a description of the property involved. The certificate shall operate from the date of filing as a tax lien or assessment on the property affected. This lien shall prescribe only in ten (10) years from the date of filing such certificate, may be enforced in a summary manner as other tax liens or assessments, and shall be subject to the same penalties, interest and attorney's fees.

(6) Upon the filing of this certificate, the director of public works, or his representative, in writing shall advise the director of finance and the parish attorney thereof; and the latter shall institute suit or take such other steps as may be required or necessary for the enforcement of such lien.

(Ord. No. 11567, § 1, 10-13-99)

Sec. 2:320. Violation and penalties.

(a) It shall be prohibited for anyone to create an opening into the sanitary sewer system that will allow the flow of surface water into said system, and any such opening is declared to be a nuisance detrimental to the public health and safety and as such, a misdemeanor, punishable as provided in subsection (b).

(b) Anyone who creates such an opening shall be guilty of a misdemeanor, and shall, upon conviction thereof, be punishable by a fine of not more than five hundred dollars ($500.00), for domestic users and one thousand dollars ($1,000.00) for nondomestic users or imprisonment for not more than thirty (30) days, or both, a the discretion of the court.

(Ord. No. 11570, § 1, 10-13-99)

CHAPTER 6. USE OF PUBLIC LANDS AND RIGHTS-OF-WAY FOR UTILITY PURPOSES*

Sec. 2:340. Permit required.

No pipeline or other similar facility operated by a private utility company for public purposes shall be constructed or installed in the public rights-of-way or over and across any public or private property within the city or in the suburban area of the parish as defined in Parish Ordinance No. 425, adopted September 14, 1955, unless a permit therefor shall first have been obtained from the permit division of the department of public works.

(City Code 1951, Title 2, § 340; Parish Code 1962, Title 2, § 340)

Sec. 2:341. Plans approved by department of public works.

The installation and construction of all pipelines or other similar facilities shall be in accordance with plans approved by the department of

*Editor's note—Ord. No. 10774, §§ 2—4 amended the Code by repealing Ch. 6, §§ 2:325—2:330, and renumbering Ch. 7 as a new Ch. 6, and renumbering Ch. 8 as a new Ch. 7. Former Ch. 6 pertained to revocation or relocation of streets alleys, rights-of-way, or servitudes dedicated to public use, and derived from the City Code of 1951, Tit. 2, §§ 325—330.

Department of Public Works

City of Baton Rouge
Parish of East Baton Rouge

Post Office Box 1471
Baton Rouge, Louisiana
70821

September 26, 2003

Ms. Vivian Hare
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: Baton Rouge Consent Decree
Civil Action No. 01-978-B-M3
Supplemental Environmental Projects (SEP)

Dear Ms. Hare:

As requested, this letter is to notify you that the Sharon Hills / Cedar Glen / Pleasant Hills SEP project Notice to Proceed (NTP) was issued September 24, 2003 (copy attached). The NTP informs the contractor to commence work on or before September 24, 2003 and complete all work by May 20, 2004. This date is 86 days prior to the consent decree construction completion deadline date.

If you have any questions or if we can provide any additional information, please don't hesitate to contact me.

Sincerely,

Fred E. Raiford III
Director

Enclosure

Cc: Mr. Bob Quance (EPA Region 6)
Ms. Peggy Hatch (LDEQ)
Mr. Kent Mudd
Mr. Jerome Klier
Mr. William McHie (MWH)

Department of Public Works

City of Baton Rouge
Parish of East Baton Rouge

Post Office Box 1471
Baton Rouge, Louisiana
70821

NOTICE TO PROCEED

DATE: September 24, 2003

TO: Allen & Leblanc, L.L.C.
P. O. Box 15789
Baton Rouge, LA 70895

PROJECT: City of Baton Rouge & Parish of East Baton Rouge
Wastewater System Improvements Program

CONTRACT NAME: Sharon Hills / Cedar Glen / Pleasant Hills / Green Acres
Supplemental Environmental Project

CONTRACT NO: 01-SEP-0002

Gentlemen:

You are hereby notified to commence work on the subject Contract on **September 24, 2003** and are to fully complete the work within **two hundred forty (240)** calendar days. In accordance with the Contract Documents, the final completion date shall be **May 20, 2004**. Any extension of time will be by written Change Order only.

The Contract provides for assessment of liquidated damages in accordance with Article 9-8.3 of the General Provisions, Part I.

By _____
Fred E. Raiford, III
Director
Department of Public Works

FER:KAM/sjn

Xc: Mr. Jerome M. Klier, PE/PLS, Deputy Director
Mr. Jeff Broussard, PE, Assistant Director/Chief Engineer
Mr. Kent Mudd, PE, Special Projects Engineer
Mr. Shane Nicholas, PE
Mr. E.J. Amato
Document Control

Metro21 Television Schedule

Baton Rouge Government Website

<<	July 2003					>>
Su	Mo	Tu	We	Th	Fr	Sa
		1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	31		

What is Metro21?

Displaying Community Events on Metro21

Email Public Information for questions on the City Parish Government.

Email the Webmaster to submit problems, suggestions or comments about this web site

Metro21 Schedule for Wednesday, July 30 2003

7:00 AM	Jim Barry's Financial Success
7:30 AM	Open Mind
8:00 AM	European Journal
8:30 AM	Scully (The World Show)
9:00 AM	Dialogue
9:30 AM	Uncommon Knowledge
10:00 AM	Religion & Ethics Newsweekly
10:30 AM	Think Tank with Ben Wattenberg
11:00 AM	Tony Brown's Journal
11:30 AM	John McLaughlin's One On One
12:00 PM	To The Contrary
12:30 PM	Dialogue
1:00 PM	Wide Angle
2:00 PM	Freedom: A History of Us
2:26 PM	Freedom: A History of Us
3:00 PM	Louisiana Legends
3:30 PM	Right on the Money
4:00 PM	World Business
4:30 PM	Focus Asia
5:00 PM	Bbc World News
5:30 PM	21-West Nile Virus In Baton Rouge
6:00 PM	21-Can Do 2003
8:00 PM	21-Day at Angola
9:00 PM	21-Sewerage and Waste Disposal
10:00 PM	21-Police Chief Annual Awards May 2003
11:00 PM	Charlie Rose

Metro21
Television Schedule

Baton Rouge Government Website

What is Metro21?

Displaying Community Events on Metro21

Email Public Information for questions on the City Parish Government.

Email the Webmaster to submit problems, suggestions or comments about this web site

Metro21 Schedule for Thursday, August 7 2003

7:00 AM	Great Decisions 2003
7:30 AM	In The Mix
8:00 AM	Religion & Ethics Newsweekly
8:30 AM	Uncommon Knowledge
9:00 AM	Think Tank with Ben Wattenberg
9:30 AM	White House Chronicles
10:00 AM	McCuistion
11:00 AM	Now with Bill Moyers
12:00 PM	Dialogue
12:30 PM	Baton Rouge Press Club (S)
1:00 PM	Small Business School
1:30 PM	World Business
2:00 PM	This Is America with Dennis Wholey
3:00 PM	Great Decisions 2003
3:30 PM	Open Mind
4:00 PM	Right on the Money
4:30 PM	Religion & Ethics Newsweekly
5:00 PM	Bbc World News
5:30 PM	21-West Nile Virus In Baton Rouge
6:00 PM	21-Smarth Growth Blueprint for B.R. -
7:00 PM	21-Smart Growth Blueprint for B.R. - P
7:55 PM	21-Smart Growth Blueprint for B.R. - P
9:00 PM	21-Fest for All 2003
9:30 PM	21-Earth Day In Baton Rouge
10:00 PM	21-B.R. Sewer Info Meeting
11:00 PM	Charlie Rose

Metro21 Television Schedule

Baton Rouge Government Website

<< September 2003 >>						
Su	Mo	Tu	We	Th	Fr	Sa
	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30				

What is Metro21?

Displaying Community Events on Metro21

Email Public Information for questions on the City Parish Government.

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Metro21 Schedule for Tuesday, September 9 2003

7:00 AM	World Business
7:30 AM	Religion & Ethics Newsweekly
8:00 AM	Open Mind
8:30 AM	John McLaughlin's One On One
9:00 AM	Focus Asia
9:30 AM	Right on the Money
10:00 AM	White House Chronicles
10:30 AM	Uncommon Knowledge
11:00 AM	This Is America with Dennis Wholey
12:00 PM	Think Tank with Ben Wattenberg
12:30 PM	Examined Life: An Introduction to Phi
1:00 PM	Examined Life: An Introduction to Phi
1:30 PM	Ethics In America
2:30 PM	Voices In Democracy
3:00 PM	Voices In Democracy
3:30 PM	Exploring Society: Introduction to So
4:00 PM	Exploring Society: Introduction to So
4:30 PM	John McLaughlin's One On One
5:00 PM	Bbc World News
5:30 PM	Baton Rouge Press Club (S)
6:00 PM	McCuistion
7:00 PM	Hometown News
8:00 PM	21-B.R. Sewer Info Meeting
9:00 PM	Guiding Children Successfully
10:00 PM	Ged Connection
10:30 PM	Ged Connection
11:00 PM	Charlie Rose

Metro21 Television Schedule

Baton Rouge Government Website

<< September 2003 >>						
Su	Mo	Tu	We	Th	Fr	Sa
	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30				

What is Metro21?

Displaying Community Events on Metro21

Email Public Information for questions on the City Parish Government.

Email the Webmaster to submit problems, suggestions or comments about this web site

Metro21 Schedule for Friday, September 19 2003

7:00 AM	Small Business School
7:30 AM	Focus Asia
8:00 AM	This Is America with Dennis Wholey
9:00 AM	Open Mind
9:30 AM	Uncommon Knowledge
10:00 AM	Focus Asia
10:30 AM	Jim Barry's Financial Success
11:00 AM	Great Decisions 2003
11:30 AM	Small Business School
12:00 PM	Baton Rouge Press Club (S)
12:30 PM	Examined Life: An Introduction to Phi
1:00 PM	Examined Life: An Introduction to Phi
1:30 PM	Ethics In America
2:30 PM	The Long Search
3:30 PM	Rural Communities: Legacy and Change
4:30 PM	Think Tank with Ben Wattenberg
5:00 PM	Bbc World News
5:30 PM	In The Mix
6:00 PM	Great Decisions 2003
6:30 PM	World Business
7:00 PM	Louisiana: The State We're In
7:30 PM	Baton Rouge Press Club (S)
8:00 PM	McCuistion
9:00 PM	21-B R This Week
10:00 PM	21-B R This Week
11:00 PM	Charlie Rose

Metro21
Television Schedule

Baton Rouge Government Website

<< September 2003 >>

Su	Mo	Tu	We	Th	Fr	Sa
	1	2	3	4	5	
7	8	9	10	11	12	
14	15	16	17			
21	22	23	24			
28	29	30				

What is Metro21?

Displaying Community Events on Metro21

Email Public Information for questions on the City Parish Government.

Email the Webmaster to submit problems, suggestions or comments about this web site

Metro21 Schedule for Monday, September 22 2003

7:00 AM	European Journal
7:30 AM	Scully/The World Show
8:00 AM	Inside Washington
8:30 AM	Think Tank with Ben Wattenberg
9:00 AM	John McLaughlin's One On One
9:30 AM	Tony Brown's Journal
10:00 AM	Freedom: A History of Us
10:30 AM	Freedom: A History of Us
11:00 AM	Wide Angle
12:00 PM	Scully/The World Show
12:30 PM	Journey to Health: Mind, Body, Spirit
1:00 PM	Journey to Health: Mind, Body, Spirit
1:30 PM	Dollars & Sense: Personal Finance
2:00 PM	Dollars & Sense: Personal Finance
2:30 PM	Introduction to Macroeconomics
3:30 PM	Tony Brown's Journal
4:00 PM	White House Chronicles
4:30 PM	European Journal
5:00 PM	21- B.R.Planning Commission Meeting
8:00 PM	21-B.R. Sewer Info Meeting
9:00 PM	Workplace Essential Skills
9:30 PM	Workplace Essential Skills
10:00 PM	Tv411
10:30 PM	Tv411
11:00 PM	Charlie Rose

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City of Baton Rouge
Parish of East Baton Rouge
Wastewater Improvement Program

Consent Decree

Attachments to the Consent Decree

Exhibit A	Sanitary Sewer Overflow Response Plan
Exhibit B	Map Depicting the Primary Features of Collection System Remedial Action Program Alternative 1
Exhibit C	Map Depicting the Primary Features of Collection System Remedial Action Program Alternative 3
Exhibit D	Map Depicting the Primary Features of Collection System Remedial Action Program Alternative 4
Exhibit E	Map Depicting the Primary Features of Collection System Remedial Action Program Alternative 7
Exhibit F	First Remedial Action Plan
Exhibit G	Environmental Results Monitoring Plan
Exhibit H	Outreach and Public Awareness Plan
Exhibit I	Quarterly and Annual Report Format
Exhibit J	Supplemental Environmental Project Plan Requirements

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Consent Decree Annual

Year	Doc Name
2002	CD Annual 02.pdf

The following Quarterly Reports are pursuant to Paragraph 51 of the Consent Decree, containing a summary of compliance of the following activities:

- Cross Connection Elimination Plan
- Collection System Preventive Maintenance Program (PMP)
- Sanitary Sewer Overflow Response Plan (SSORP)
- Reporting of Unauthorized Discharges
- Supplemental Environmental Projects (SEP)
- Consent Decree Compliance Status

Consent Decree Quarterly

Report Number	Year	Quarter	Doc Name
1	2002	2nd	CD QTR No 1.pdf
2	2002	3rd	CD QTR No 2.pdf
3	2002	4th	CD QTR No 3.pdf
4	2003	1st	CD QTR No 4.pdf
5	2003	2nd	CD QTR No 5.pdf
6	2003	3rd	CD QTR No 6.pdf

Sewer Related Overflows

When
Current Month

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Date Discovered	Address	Estimated Quantity (Gals)	Investigative Findings	Response Taken	Preventions
12/2/2003	5665 MCCLELLAND	150	Overflow caused from stoppage in the 6" service line-MH#52-530	Washed down area, deodorized and disinfected.	Continue preve maintenance/M for recurrence
12/4/2003	5870 PLANK	200	Overflow caused from stoppage in collection line. MH#-54-54	Washed down area, deodorized and disinfected.	Continue preve maintenance/M for recurrence.
12/5/2003	3498 BON SEJOUR	400	Discharge was caused from a broken 6" force-main.	Sand bagged canal.Pumped sewer back into system.Washed down area, deodorized and disinfected.	none
12/8/2003	9563 JAMAICA	175	Overflow caused from stoppage in the collection line.-MH#51-53	Washed down area, deodorized and disinfected.	Continue preve maintenance/M for recurrence.
12/9/2003	3756 YOSEMITE	100	Overflow caused from stoppage in collection line.-MH#281-41	Washed down area, deodorized and disinfected.	Continue preve maintenance/M for recurrence
12/9/2003	11500 SOUTHFORK	300	Overflow caused from stoppage in collection line.-MH#135-52	Washed down area, deodorized and disinfected.	Continue preve maintenance/M for recurrence.
12/9/2003	3403 ONTARIO	150	Overflow caused from stoppage in collection line.-MH#-60-7942B	Washed down area, deodorized and disinfected.	Continue preve maintenance/M for recurrence
12/10/2003	13933 EASTRIDGE	20	Discharge caused from broken 6" force main.-MH#219-2	Repaired on EPR contract. Washed down area, deodorized and disinfected.	none
12/10/2003	11736 PLANK	1000	Overflow caused from broken collection line.MH#45-40	By-passed sewer from canal back into sewer system. Washed down area,deodorized and disinfected.	None
			Overflow caused from	Washed down	

Date Discovered	Address	Estimated Quantity (Gals)	Investigative Findings	Response Taken	Preventions
12/2/2003	5665 MCCLELLAND	150	Overflow caused from stoppage in the 6" service line-MH#52-530	Washed down area, deodorized and disinfected.	Continue preve maintenance/I for recurrence
12/4/2003	5870 PLANK	200	Overflow caused from stoppage in collection line. MH#-54-54	Washed down area, deodorized and disinfected.	Continue preve maintenance/I for recurrence.
12/5/2003	3498 BON SEJOUR	400	Discharge was caused from a broken 6" force-main.	Sand bagged canal.Pumped sewer back into system.Washed down area, deodorized and disinfected.	none
12/8/2003	9563 JAMAICA	175	Overflow caused from stoppage in the collection line.-MH#51-53	Washed down area, deodorized and disinfected.	Continue preve maintenance/I for recurrence.
12/9/2003	3756 YOSEMITE	100	Overflow caused from stoppage in collection line.-MH#281-41	Washed down area, deodorized and disinfected.	Continue preve maintenance/I for recurrence
12/9/2003	11500 SOUTHFORK	300	Overflow caused from stoppage in collection line.-MH#135-52	Washed down area, deodorized and disinfected.	Continue preve maintenance/I for recurrence.
12/9/2003	3403 ONTARIO	150	Overflow caused from stoppage in collection line.-MH#-60-7942B	Washed down area, deodorized and disinfected.	Continue preve maintenance/I for recurrence
12/10/2003	13933 EASTRIDGE	20	Discharge caused from broken 6" force main.-MH#219-2	Repaired on EPR contract. Washed down area, deodorized and disinfected.	none
12/10/2003	11736 PLANK	1000	Overflow caused from broken collection line.MH#45-40	By-passed sewer from canal back into sewer system. Washed down area,deodorized and disinfected.	none
			stoppage in n collection	area,	

12/11/2003	5858 RUBY	150	stoppage in collection line.MH#49-137	area, deodorized and disinfected.	Continue preve maintenance/M for reccurence
12/13/2003	11890 WENTLING	600	Overflow was caused from stoppage in collection line MH#171-32A	Washed down area, deodorized and disinfected.	Continue preve maintenance/M for recurrence.
12/18/2003	4434 EVANGELINE	250	Stoppage in collection line caused overflow-MH#24-138	Washed down area, deodorized and disinfected.	Continue preve maintenance/M for recurrence.
12/19/2003	1488 HARCO	100	Overflow caused from stoppage in collection line.-MH-21-22	Washed down area, deodorized and disinfected.	Continue Preve maintenance/M for recurrence
12/22/2003	1844 BAY	1000	Overflow caused from stoppage in collection line.MH-60-7743	Washed down area, deodorized and disinfected.	Continue Preve Maintenance/M for recurrence
12/29/2003	1388 ASHBOURNE	20000	MANHOLE OVERFLOWED DUE TO SURCHARGE CONDITIONS CAUSED BY HEAVY RAIN EVENT	MONITORED AREA, DEODORIZED & DISINFECTED	IMPLEMENT RM PROJECTS
12/29/2003	1423 ASHBOURNE	10000	SURCHARGE CONDITIONS DUE TO HEAVY RAINS	MONITORED AREA, DEODORIZED & DISINFECTED	WILL IMPLEME RMAP PROJECT
12/29/2003	SHERWOOD FOREST	10000	MANHOLE OVERFLOWING DUE TO SURCHARGE CONDITIONS CAUSED BY HEAVY RAIN EVENT	MONITORED AREA, DEODORIZED & DISINFECTED	IMPLEMENT RM PROJECTS
12/29/2003	9940 GREAT SMOKEY	1000	Overflow caused from wet weather conditions	Washed down area, deodorized and disinfected.	Implement RM Projects
12/30/2003	14376 TIGER BEND	2000	Overflow caused from stoppage in collection line-MH-170-13	Washed down area, deodorized and disinfected.	Continue preve maintenance/M for recurrence
12/31/2003	7445 NOTTINGHAM	1000	Overflow caused from stoppage in collection line-MH#44-586	Washed down area, deodorized and disinfected.	Continue preve maintenance/M for recurrence
1/3/2004	14738 LYNBROOK	300	Overflow caused from stoppage in collection line.-MH#139-37	Washed down area, deodorized and disinfected.	Continue preve maintenance/M for recurrence
1/6/2004	3310 GLENNSADE	60	Overflow due to stoppage in main line-MH#51-00472	Washed down area, deodorized and disinfected	Continue Preve Maintenance/M for recurrence

1/8/2004	SHERWOOD FOREST	7000	MANHOLE OVERFLOWING DUE TO SURCHARGE CONDITIONS CAUSED BY HEAVY RAIN EVENT	MONITORED AREA, DEODORIZED & DISINFECTED	IMPLEMENT RM PROJECTS
1/8/2004	1423 ASHBOURNE	8000	SURCHARGE CONDITIONS DUE TO HEAVY RAINS	MONITORED AREA, DEODORIZED & DISINFECTED	WILL IMPLEME RMAP PROJECT
1/8/2004	1388 ASHBOURNE	650	MANHOLE OVERFLOWED DUE TO SURCHARGE CONDITIONS CAUSED BY HEAVY RAIN EVENT	MONITORED AREA, DEODORIZED & DISINFECTED	IMPLEMENT RM PROJECTS
1/10/2004	14718 JESTER	700	Overflow caused from Pump Station #104 electrical failure-MH#146-15	Washed down area, deodorized and disinfected.	Continue preve maintenance.
1/10/2004	14754 JESTER	700	Overflow caused from Pump Station #104 electrical failure-MH#146-18	Washed down area, deodorized and disinfected.	Continue preve maintenance.
1/10/2004	14772 JESTER	700	Overflow caused from Pump Station #104 electrical failure-MH#146-35	Washed down area, deodorized and disinfected.	Continue preve maintenance.
1/10/2004	14534 BRETON	700	Overflow caused from pump station 104 electrical failure-MH#104-34	Washed down area, deodorized and disinfected.	Continue preve maintenance
1/12/2004	864 ALBERT HART	10	Overflow caused from stoppage in collection line.-MH#57-154	Washed down area, deodorized and disinfected.	Continue preve maintenance/M for recurrence
1/13/2004	8100 SIEGEN	0	Discharge caused from broken 10" force-main.	Contained sewer in canal, pumped back into system, deodorized and disinfected.	None
1/14/2004	8235 GREENWELL SPRINGS	50	Overflow caused from stoppage in collection line,MH#-55-5008	Washed down area, deodorized and disinfected.	Continue Preve Maintenance/M for recurrence.
1/15/2004	5030 OAKLAN	50	Overflow caused from stoppage in collection line."Clean-out"	Washed down area, deodorized and disinfected.	Continue preve maintenance/M for recurrence
			Overflow caused from	Washed down area,	Continue Preve

1/16/2004	11196 CHALICE	100	stoppage in collection line.-MH#50-407	deodorized and disinfected.	maintenance/M for recurrence.
1/18/2004	3139 MARYDON	25	Overflow caused from stoppage in collection line-MH#51-266	LINE CLEARED, AREA WASHED DOWN, DEODORIZED & DISINFECTED	Continue preve maintenance/M for recurrence.
1/21/2004	9012 ELM GROVE GARDEN	150	Discharge caused from broken service line.	Scheduled repair, washed down area deodorized and disinfected.	Continue preve maintenance/M for recurrence.

to LSU board

CONTINUED FROM PAGE 1B

l Congressional District seat LSU board.

shuffling moves Bernard aux of Baton Rouge, the gov- executive counsel, to an at- eat that expires in June 2008. es from the 3rd District seat pires in 2004. Boudreaux s Jacobs, the only member so ing the board.

emaining on the board, either same or other slots on the panel, are Perry Segura of New Iberia, Charles Weems III of Alexandria and Kent Anderson of Monroe, the governor decided.

Still serving despite their terms being expired are board members Victor Bussie of Baton Rouge, Ron Anderson of Ethel and Laura Leach of Lake Charles.

Foster said last week he would try to get all the board appointments up to date soon.

we've suffered from national policy decisions," she said.

Those decisions were on how to handle the once oft-flooding Mississippi River and the setup of various projects to aid the oil and gas industry, Gautreaux said.

The state also benefited from those decisions, but it cannot deal with some of the problems that came along, she said.

"No one other state would be asked to bear this burden," Gautreaux said.

She said that case must be made to the highest levels of the U.S. departments of Energy and Transportation.

The administration and Congress have to be made aware that Louisiana's coastal losses affect defense and the economy for the country, Gautreaux said.

She said backers of the effort hope to see a package to get federal funding get through Congress in 2004.

Gautreaux said that the state doesn't need a lump sum of $14 billion, but just a commitment to spend that much over time.

Advocate staff photo by Kerry Maloney

ughter, Pershanti Davis, as another granddaughter ng Monday at their home at Kelly Terrace public hous-

cause it revitalizes the whole area."

Regina Madison, former tenant group president

king a wait-and-see att- t moving back to housing ough the HOPE VI "If I'm still in public housing by then, we'll see," she said. "We waited there for all that long time, so what's another four years?"

3/12/03

Ask The Advocate

In one of your early "Ask The Advocate" articles you discussed why the need for the large increase in water and sewer bills. It was a good write-up, but you did not mention how long the mayor and Metro Council know that our rates had to go up. If they had responded sooner to this need, I would guess that our monthly bills would be lower. If I am right, why were the increased fees for water and sewer bills delayed?

Fred Raiford, city-parish director of public works, said "the problem with the sewer system has not been a secret. It has been talked about for many years as to what to do and how to pay for it."

Most of the rate increases result from two federal consent decrees the city-parish signed with the U.S. Environmental Protection Agency requiring sewer system upgrades to meet federal discharge standards. By signing a consent decree, the local government agreed to settle a lawsuit by agreeing to do certain things. The federal judge then approved the settlement, making it a court order.

The first consent decree required additional sewer treatment, at a cost of $400 million. That work is complete. The second consent decree requires the elimination of all sewer overflows, at an estimated cost of $618 million. Construction has not begun on work called for by the second agreement.

"Certainly we need to do the right thing for the environment and especially for the quality of life for the residents of this parish," Raiford said. "Our goal has been to design a plan that meets the requirements but also provides funding needed to complete the improvement. During this entire process we kept in mind the impact this would have on the residents of this parish."

"The sewer rate increases may have been delayed for a short time, but it was to be sure that we covered all of the issues. Over the past few years, the sewer rate increase has been high in order to help fund the necessary improvements. The sewer rate increase this year, 2003, was 10 percent and the increase in future years will be 4 percent each year to cover the rate of inflation," Raiford said.

By 2014 the average monthly sewer user fee is expected to reach $43.87.

Send questions to Ask The Advocate, P.O. Box 588, Baton Rouge, LA 70821-0588; or fax to Ask The Advocate, 225-388-0297; or e-mail to asktheadvocate@theadvocate.com

AROUND BATON ROUGE

To list an event:

- **FAX:** 388-0371
- **WRITE:** The Advocate, P.O. Box 588, Baton Rouge, LA. 70821

S M T W T F S

GOVERNMENT MEETINGS

November 5, 2003

Honorable Members of the Metropolitan Council
and the People of Baton Rouge:

By means of this letter, I present to you the 2004 City of Baton Rouge and Parish of East Baton Rouge *Annual Operating Budget*. An intentional focus in the preparation of this budget has been to identify recurring funds to provide pay raises for our most valuable resource, our employees.

Two excellent consultants have been engaged to review and make recommendations regarding salaries, benefits, staffing, performance evaluations and, in particular, our health care benefits program. MGT of America has conducted an exhaustive study of compensation, including benefits, and Milliman USA has made recommendations in the area of health benefits and our self-insured health plan. When the work of those consultants is complete, I will present a revised compensation plan for implementation in April of 2004, funded by the combination of revenue growth and funds saved from health care modifications.

Along with last year's *Annual Operating Budget*, I reported on the work of the Mayor's Committee on Revenues and Expenditures (MCORE). That Committee has met long and faithfully and produced a report containing 59 outstanding recommendations for use in achieving efficiency, effectiveness, and excellence in the function of this government. I recently reported back to that Committee that, within nine months, 16 of the recommendations have been completed or fully implemented. Thirty more recommendations are being implemented or reviewed for purposes of implementation, five will be reviewed in the future, and the remaining eight require State Constitution, statutory, local ordinance or *Plan of Government* changes of such magnitude as to be unworkable at the present time.

Perhaps the most positive outcome of the MCORE Committee was that local business, community, and public sector leaders worked side-by-side with government in shaping new strategies to build a stronger, more efficient City. Similarly, Baton Rouge's first Canvas Workshop, a trip to study Austin, Texas, gave 120 men and women the opportunity to learn what has worked and what has failed in this progressive southern city. The team listened intently as presenters discussed both the successes and challenges of Austin's significant economic and physical development in recent years. The most important result of this exciting trip was the synergy that occurred among the Baton Rouge team. Each member returned with a renewed commitment to apply the successes we learned in Austin and to elevate, instead of doubting, our own resources and potentials.

The economy and the energy of Baton Rouge are strong and are growing stronger as evidenced by developments in the downtown area, the emergence of new and expanded businesses throughout the Parish and the four-parish Metropolitan Statistical Area, and the revitalization of aging areas of our community. Partnering with private, state, and federal entities is proving to be the kind of winning strategy that will propel Baton Rouge to become a place ranking regionally and nationally as an excellent place for individuals and families to work, play, enjoy life, and do business.

By adopting this budget, the Metropolitan Council will be continuing the very sound fiscal policies that have been successfully utilized for the past three years, while funding and empowering the talented and dedicated staff of this City-Parish government to continue and improve the delivery of services of the highest quality to the individual and corporate

Department/Program		Department Total
Capital Outlay	193,450	1,750,000
TOTAL FROM FUND BALANCE UNDESIGNATED		$3,250,000
FROM GAMING REVENUES:		
Downtown Streetscape - Shaw Center for the Arts		$662,500

Special Funds

Approximately 42.7% of spending authorized in this budget relates to the budgets for general operations, or the General Fund. The remaining 57.3% pertains to smaller budgets for special operations or activities. The most common reason for having separate budgets for these activities is that revenues supporting them are legally dedicated to a specific purpose.

SPECIAL REVENUE FUNDS

The 2004 budgets for Special Revenue Funds increased by $8,924,900 or 8.27% from the 2003 funding level of $107,969,100. This is primarily the result of an increase in funding for capital improvements within the library system which is discussed later in the message.

DEBT SERVICE FUNDS

Debt service requirements for 2004 decreased by $1,124,950 as compared to the prior year. This is the result of a decrease in funding needed for the loan from the Louisiana Community Development Authority. In 2003, a $1.5 million repayment was made from grant proceeds. For more information on our debt practice, please refer to the "Debt Management" section of this budget.

CAPITAL PROJECT FUNDS

The *Annual Operating Budget* includes capital projects that are funded on a pay-as-you-go basis, other than those financed through Enterprise Funds. Capital improvements funding for the library system will increase by $9.55 million due to an allocation of $11.2 million for the new main Library.

General Capital Expenditure Fund

The 2004 budget continues our investment in infrastructure improvements and capital equipment with an appropriation of $2,774,240 funded from our General Fund surplus. This includes $1,000,000 for the replacement of 50 police vehicles; $1,250,000 for major building improvements, including new HVAC systems in several buildings; $306,550 for miscellaneous street and road improvements; $45,000 for computer hardware and furnishings in DPW; $155,000 for the replacement of ten vehicles for Fire; and $17,690 for computer hardware for City Court.

ENTERPRISE FUNDS

Comprehensive Sewerage System Fund

The Comprehensive Sewerage System Fund is the largest of the Special Funds. Operations of the sewer system are funded from four main revenue sources. These include a one-half percent sales and use tax, sewer user fees, sewer impact fees, and a $4 million subsidy from the General Fund supported from gaming revenues. These financial resources provide for the operation and maintenance of the parish-wide system, which includes three major treatment plants and over 2,000 miles of sewer lines.

Total financial resources for the sewer system operating budget and the uses of these funds are illustrated in Figures 5 and 6. The General Fund/Other category includes the General Fund subsidy, interest earnings, and other miscellaneous fees. Any excess sources are transferred to the Sewer Capital Improvements Program.

FIGURE 5

SEWER OPERATIONS
SOURCES OF FUNDS
$90,588,560

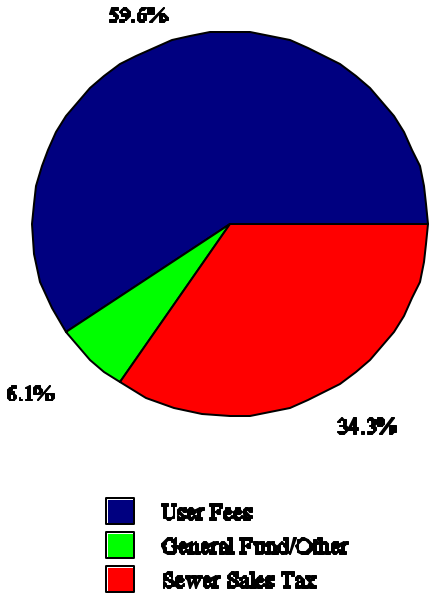
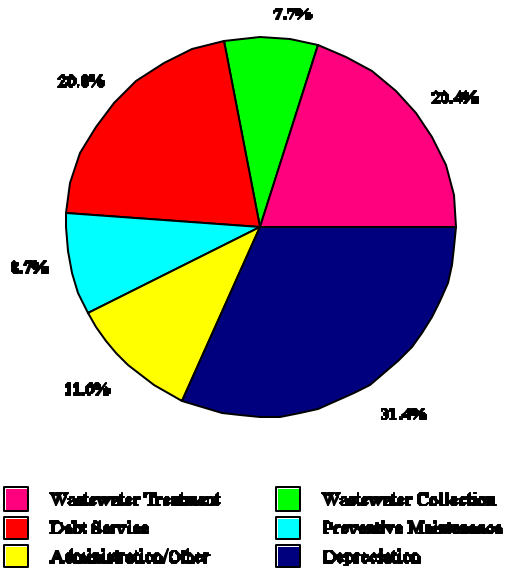


FIGURE 6

SEWER OPERATIONS
USES OF FUNDS
$73,227,600



CAPITAL IMPROVEMENTS

We are in the process of completing or implementing a number of major capital improvements in our parish, with some very significant projects beginning this fiscal year. Details of these items can be found in the section of the budget entitled "Capital Improvement Programs." However, I would like to provide an update on some of these major projects or programs.

SEWER CAPITAL IMPROVEMENT PROGRAM

On March 14, 2002, the City-Parish entered into a new consent decree with the United States Environmental Protection Agency (EPA) and the Louisiana Department of Environmental Quality (DEQ) relative to wastewater improvements in East Baton Rouge Parish. This new consent decree replaced the original consent decree that East Baton Rouge Parish was administered under since 1988. This new consent decree requires the City-Parish to make various wastewater treatment plant and sanitary sewer infrastructure improvements in order to reduce sanitary sewer overflows in the sewer collection system and meet wastewater discharge permit requirements under wet weather conditions. This consent decree also prevented the EPA from imposing potential penalties of $43 million on the City-Parish and allows until December 31, 2014, for completion of the Sewer Capital Improvements Program. Additionally, the execution of this consent decree by all parties avoided a protracted and expensive lawsuit.

Program Description

The objective of the Sanitary Sewer Improvement Program, and in particular the Sanitary Sewer Overflow (SSO) Corrective Action Plan, is to identify the most cost-effective methods of controlling overflows in the sewer collection system, while providing continuous service to all existing customers and potential future customers. Once implemented, this program will provide the City-Parish with the ability to protect public health through the control of sanitary sewer overflows, improve customer service, provide capacity for future growth, and implement a long-term maintenance program to protect existing and future capital investments. Goals of this program include:

- Protecting the public health through the control of sanitary sewer overflows, back-ups, and stoppages, thereby keeping sewage out of homes, yards, streets and drainage ditches.
- Reducing potential claims against the City-Parish resulting from sewer backups, overflows, and stoppages.
- Insuring compliance with national, state, and local requirements including EPA Region Six and Louisiana DEQ policies.
- Developing and maintaining a comprehensive computerized hydraulic sewer model of the sanitary sewer gravity collection system and the pressurized sewer transmission system for the purpose of assessing the capacity of the system and evaluating corrective actions and future capacity requirements.
- Reducing peak wet-weather flow factors in a cost-effective manner through the development of inspection procedures and design criteria for sewer rehabilitation, relief sewers, and new sewer construction.
- Developing and implementing procedures for inspecting and ranking sewers in need of rehabilitation.
- Determining the cost effectiveness of current and future sewer and manhole rehabilitation projects through the collection of pre-rehabilitation and post-rehabilitation flow data.
- Resolving dry- and wet-weather flow issues in order to provide sewer and wastewater treatment capacity for future growth.

A comprehensive financing model has been developed and is being utilized by the Finance Department to manage the Sanitary Sewer Improvement Program. A 10% sewer user fee increase went into effect on January 1, 2003, and an annual 4% user fee increase will be levied thereafter for the life of the program. However, the City-Parish will continue to seek low interest loans, and federal and state grants to reduce program costs.

This program will have a cost in excess of $600 million over a 13-year period. It will be a major stimulant to our economy and produce numerous jobs in the construction industry and businesses supportive of this industry.

This budget will fund the following programs:

- Operations and Maintenance - Continue the preventive maintenance program. The *2004 Annual Operating Budget* will provide $4,398,000 for this program. Of this amount, $1,998,000 will be dedicated for repair and maintenance of treatment plant and pump station equipment, and $400,000 will be used for the wet well maintenance program.

- Sewer Rehabilitation - Continue the on-going program to rehabilitate existing sewer infrastructure in selected areas. Emphasis has been placed on the inspection of sewers to determine priorities of needs, concentrating on structural rehabilitation, and the establishment of a cycle of inspection and renewal/replacement. The budget provides $3,000,000 to fund this program.

- Emergency Sewer Point Repair Program - This year's budget appropriates $2,000,000 to continue this high priority sewer repair program.

- Supplemental Environmental Projects - In order to reduce the penalty stipulated in the new consent decree, the City-Parish agreed to perform certain environmentally beneficial projects. The agreed upon projects by EPA and DEQ consisted of tying eight areas that had a septic tank effluent sewer collection system into the City-Parish sewerage system. Under this project, the Donwood and Oak Manor Subdivisions and a portion of Stumberg Lane were connected to the City-Parish system in October of 2003. The remaining five subdivisions are Sharon Hills, Cedar Glen, Pleasant Hills (Section 1), Pleasant Hills (Section 3), and Green Acres. They will be connected to the City-Parish system in June, 2004. A budget of $1.4 million has been provided to fund the engineering design and construction for these projects.

- Capital Improvements - The major thrust of the consent decree requires the City-Parish to upgrade its sewerage system to avoid or reduce sanitary sewer overflows in wet weather events and to insure compliance with the Clean Water Act. The City-Parish has determined that the most cost-effective method to accomplish this goal is not only to properly operate and maintain the current sewerage system for maximum efficiency, but also to either upgrade or construct additional conveyance, treatment or holding facilities where system deficiencies occur. Some 17 projects will be under design and 15 projects will be under construction next year. Major projects under design are the South and Central tunnels and tunnel pump stations. Construction of relief sewers and pump station upgrades will occur in the Lake Sherwood Acres and Industriplex areas. The total cost for the design and construction of these 2004 projects will be approximately $40 million.

permitting and inspection, and citizens' requests for services.

We currently have the ability to process sales tax remittances, traffic ticket payments, and citizens' requests for services online. By the end of 2003, all five process will be available online. The Automated Citizen Information System will provide citizens with information about services and answers to questions about departments within the government. This system will be accessible through the Internet or over the telephone. All of these services will be available 24 hours a day, 7 days a week.

We strive to provide our citizens with online services that will provide them the opportunity to interact with City-Parish government agencies at their convenience. In the coming year, existing online services will be enhanced and additional services will be provided.

DISTINGUISHED BUDGET PRESENTATION

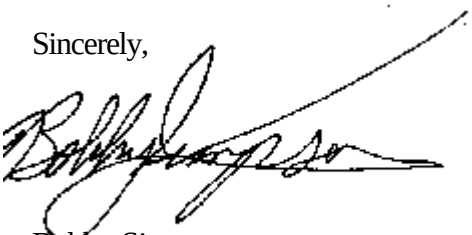
The Finance Department received the "Distinguished Budget Presentation Award" from the Government Finance Officers Association (GFOA) of the United States and Canada for the *2003 Annual Operating Budget*. This national award is the highest professional recognition in governmental budgeting. To receive this award, a governmental unit must publish a budget document that meets program criteria as a policy document, an operations guide, a financial plan, and a communications device. This is the 13th year in a row that the division has received this award. Employees of the Finance Department have repeatedly demonstrated that they have the highest commitment to quality in the services they provide to their customers. I commend their superior performance.

CONCLUSION

Government and its leadership are constantly confronted with challenge and opportunity. I am confident that we will jointly meet the challenges that face us and take full advantage of the opportunities before us.

The social and financial resources of this City and Parish, when combined with the work and dedication of ourselves and our employees, can and will produce a community that leads regionally and nationally in the quality and standard of living of its people. This is both our challenge and our opportunity.

Sincerely,



Bobby Simpson
Mayor-President

2003 FUNDING HIGHLIGHTS

Among the more noteworthy features of the 2003 budgets are the following:

- Collections of sales taxes, the largest single source of revenue for the City-Parish General Fund, decreased during 2001, but revived somewhat during 2002. The 2003 budget anticipates 1% growth over 2002 collections.
- One of the few large increases in an otherwise standstill budget is $1.2 million for raises for police officers. Increases were also budgeted for communications personnel, professional librarians, and EMS medical personnel. The budget includes $100,000 for a salary study to make recommendations for a more equitable and competitive pay structure for all employees.
- The cost of employee benefits continues to rise, especially for health insurance and retirement contributions. To offset future increases, a vesting program was established that will affect the employer's contribution for retirees' insurance premiums.
- On March 14, 2002, the City-Parish signed a Consent Decree with the federal EPA and state DEQ. This Decree commits the City-Parish to spend approximately $618 million over the next 13 years to minimize sanitary sewer overflows. Four Supplemental Environmental Projects will also be constructed as part of the Consent Decree. These projects will redirect septic tank discharges from neighborhood waterways into new sewer lines where the effluent will be treated at a sewer treatment plant. The 2003 budget is consistent with the long-range funding model for the sewer program.
- Work continues on the various projects for the redevelopment of downtown Baton Rouge. The new planetarium and space theater should be open early in 2003, and construction has begun on the expansion of the Riverside Centroplex. Funding for these projects comes from both state and local sources. The 2003 budget also includes a contribution toward the new Arts Block, as well as funding for additional downtown parking facilities.
- In an effort to simplify interaction between citizens and their local government, a project known as e-government has been initiated. Citizens will be able to perform certain transactions over the telephone and the Internet. Five core processes are being implemented: sales tax remittances, traffic ticket payments, business license renewals, permitting and inspection, and citizens' requests for services. These services will be available 24 hours a day, seven days a week.

CONCLUSION

The high quality of our budget is evidenced by our receipt of the Distinguished Budget Presentation Award of the Government Finance Officers Association of the United States and Canada (GFOA) for our budgets for each year from 1991 through 2002. This is the highest form of recognition in governmental budgeting, and we hope to win this honor again in 2003. In addition, we were awarded the Louisiana GFOA Outstanding Budget Award eight times in the nine years that it was offered.

I would sincerely appreciate any comments from the citizens of our community relative to the budget. All citizens are invited to attend the budget hearings held in November and December of each year. Anyone interested in attending should contact the Finance Department, Budgeting Division, at 389-3067 or the Council Budget Office at 389-3051 in early November of each year to obtain the schedule.

Sincerely yours,

Bobby Simpson
Mayor-President

QUICK REFERENCE PHONE NUMBERS

City-Parish Operator (Information)	389-3000
Alcoholic Beverage Control Board	389-3364
Airport	355-0333
Animal Control Center	774-7700
Centroplex Box Office	389-4940
Citizens Service – Complaints	389-3090
City Constable	389-3004
City Court	389-5279
Communications District	389-2911
Community Development	389-3039
Coroner	389-3047
Council Administrator – Treasurer	389-3123
Council Budget Officer	389-3051
District Attorney	389-3400
District Court	389-4700
Downtown Development District	389-5520
Emergency Medical Services	389-5155
Emergency Preparedness	389-2100
Family Court	389-4680
Finance Department	389-3061
Fire Department	354-1400
Human Development and Services	358-4583
Human Resources (Personnel)	389-3141
Information Services	389-3070
Juvenile Court	354-1250
Juvenile Services	356-4471
Library – Main Branch	231-3700
Mayor-President's Office	389-3100
Mosquito Abatement and Rodent Control	356-3297
Parish Attorney	389-3114
Planning Commission	389-3144
Police Department	389-3800
Public Information Office	389-3121
Public Works Department	389-3158
Purchasing	389-3259
Quality & Employee Development	389-5037
Recycling	389-5194
Registrar of Voters	389-3940
Service Fee Business Office (Solid Waste/Sewer Bills)	389-5378

2003

BUDGET HIGHLIGHTS

CITY OF BATON ROUGE
PARISH OF EAST BATON ROUGE

BOBBY SIMPSON
MAYOR-PRESIDENT

METROPOLITAN COUNCIL MEMBERS
January 1, 2003

Ulysses Z. Addison, Jr.
James T. "Jim" Benham
David J. Boneno
Lorri Burgess
Wayne Carter
Pat Culbertson
Joseph "Joe" Greco
Charles Kelly
Darrell P. Ourso
Byron Sharper
Martha J. Tassin
J. Michael "Mike" Walker

January 1, 2003

Dear Citizens of East Baton Rouge Parish

The purpose of this pamphlet is to provide a brief summary of selected highlights from operating budgets for the year 2003.

The legal framework for financial management of the City of Baton Rouge and Parish of East Baton Rouge (City-Parish) is largely established in a *Plan of Government* approved by local voters in 1947. That plan requires the adoption of annual operating budgets for various governmental functions. In accordance with this plan, the local government in December 2002 adopted annual operating budgets for the year 2003. At that time, a $221 million general operations budget was approved, along with a number of budgets for special operations, for a grand total of $629 million. All of the annual budgets referred to above are published in a document entitled *Annual Operating Budget*, which is available for review by the public at parish libraries or the City-Parish Finance Department - Budgeting Division located at 222 St. Louis Street, Room 452 (phone 389-3067). Beginning in the second quarter of 2003, the budget document will also be available on the Internet at www.ci.baton-rouge.la.us/dept/finance.

The City-Parish has separate budget processes for some state and federal grant programs as well as for capital improvement programs such as street construction and public building construction. A summary of recurring grant programs and capital improvement programs is included in the *Annual Operating Budget*.

THE BUDGET PROCESS

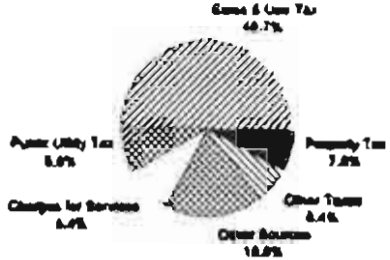
Allocation of revenues is determined through the budget process. This process begins with the presentation by the Mayor-President (Mayor) of his goals and objectives for the City-Parish. Departments then determine their own goals, which should fit into those of the City-Parish as a whole, and submit their budget requests to the Mayor. The Mayor reviews these requests with his staff, department personnel, and interested members of the Metropolitan Council (Council). After considering the needs of the community, established policies, current financial conditions, and the forecasted economy, the Mayor formally proposes operating budgets to the Council for all operations that require such budgets. The Council then considers the Mayor's proposals, holds public hearings, and enacts final budgets, which may be different from those proposed by the Mayor. These adopted annual budgets become effective on January 1.

Responsibility for the administration of the annual operating budget is shared between the Mayor, through the Chief Administrative Officer, the Finance Director, and the staff of the Finance Department-Budgeting Division; and the Metropolitan Council, through the Council Administrator-Treasurer and the Council Budget Officer.

GENERAL OPERATIONS (GENERAL FUND)

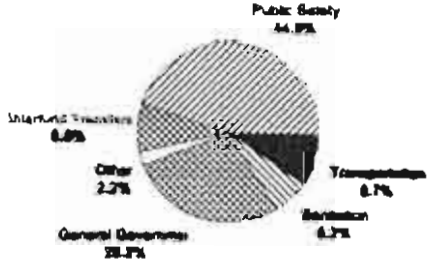
As shown in the chart below, the 2003 budget for general operations, amounting to $221 million, is financed primarily through sales, property, and public utility taxes:

SOURCE OF FUNDS



The following chart shows the functions for which general operations money will be spent in 2003:

USE OF FUNDS



SPECIAL OPERATIONS (SPECIAL FUNDS)

About 42% of the spending authorized in the annual operating budgets relates to the budget for general operations discussed in the preceding section. The remaining authorized spending pertains to the smaller budgets for special operations or activities. The most common reason for having separate budgets for these activities is that the revenues supporting them are legally dedicated to a specific purpose. Programs funded through these special budgets include:

- Fire Protection for Rural Areas
- Pay Enhancements for City Firefighters
- Downtown Development District
- Mosquito Abatement and Rodent Control
- Operation of the Library System
- Street Maintenance Programs
- Emergency Medical Services
- EBR Parish Communications District
- Garbage Service for Rural Areas
- Road Lighting for Rural Areas
- Animal Control Center
- Operation of the Riverside Centroplex and Parking Facility
- Repayment of Long-Term Debt
- Mass Transit Service
- Operation of Sewerage Systems
- Operation of the Sanitary Landfill
- Operation of the Local Airport
- Support for City Constable
- Provision of Social Services
- Employment Training and Opportunities
- Community and Economic Development
- Gaming Enforcement Services
- Equipment Repair and Maintenance
- Equipment Replacement for Public Works
- Employees' Retirement Funds