



# **Baton Rouge SSO Program**

## **2002 Consent Decree**

Quarterly Report No. 15

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January 23, 2006

# CITY-PARISH DEPARTMENTAL MEMORANDUM

## SEWER DIVISION

329 Chippewa Street, Suite 200  
Baton Rouge, LA 70805-7686

Date: January 18, 2006

**To:** Mr. Walter Jenkins, Wastewater Treatment and Disposal Division  
Mr. David Ratcliff, Wastewater Collection Division  
Ms. Amy Weaver, PE, Sewer Operations – General Administration Division

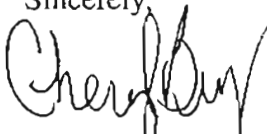
**From:** Mrs. Cheryl P. Berry, P.E., Sewer Operations – General Administration Division

**Re:** City of Baton Rouge and Parish of East Baton Rouge  
Consent Decree-Civil Action No. 01-978-B-M3  
Fifteenth Quarterly Report – Period Ending December 31, 2005  
Data Review

Gentlemen:

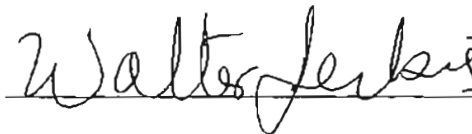
Draft copies of the above referenced report have been submitted for your review. This review is to insure that the data submitted under your direction, has been stated in a truthful and accurate manner in the Fifteenth Quarterly Report. Once the review of your portion of data is complete and corrected, please sign below the paragraph stating that fact and return for processing.

Sincerely,



Cheryl Berry, PE  
Sewer Operations – General Administration

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



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xc: Document Control

# CITY-PARISH DEPARTMENTAL MEMORANDUM

## SEWER DIVISION

329 Chippewa Street, Suite 200  
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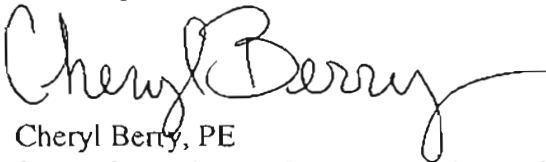
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## SEWER DIVISION

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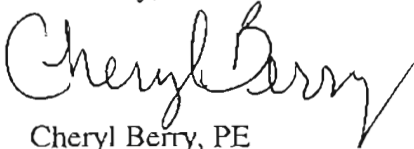
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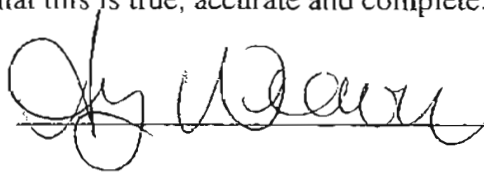
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Cheryl Berry, PE  
Sewer Operations – General Administration

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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 23, 2006

### 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  
Fifteenth Quarterly Report - **Period Ending December 31, 2005**

Gentlemen:

Pursuant to Paragraph 51 of the Consent Decree, the City of Baton Rouge and Parish of East Baton Rouge hereby submits the 15<sup>th</sup> Consent Decree Quarterly Report covering activities for the quarter ending December 31, 2005. This report contains a summary of compliance with and activities related to:

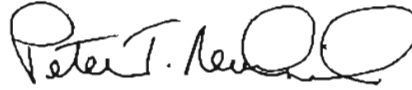
- Cross Connection Elimination Plan
- Collection System Preventive Maintenance Program (PMP)
- Sanitary Sewer Overflow Response Plan (SSORP)
- Reporting of Unauthorized Discharges
- Consent Decree Compliance Status

These activities are described in Sections VIII, IX, X, XI, XX and XXI of the Consent Decree.

Pursuant to Paragraph 49 and 117 of the Consent Decree, the City of Baton Rouge and Parish of East Baton Rouge hereby submits for review and approval three copies of the 15<sup>th</sup> Consent Decree Quarterly Report to the US EPA and LDEQ and one copy to the US DOJ and City/Parish DPW.

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

Sincerely,

A handwritten signature in black ink that reads "Peter T. Newkirk". The signature is written in a cursive style with a large, stylized "P" and "N".

Peter T. Newkirk  
Director of Public Works

Cc: Honorable Melvin L. "Kip" Holden, Mayor-President  
Mr. Walter Monsour, Chief Administrative Officer  
Chief, Environmental Enforcement Section, US DOJ  
Ms. Peggy Hatch, LDEQ  
Mr. Harold Leggett, LDEQ  
Ms. Mona Bates, US EPA Region 6  
Mr. Carlos Zequeira, (6RC-EA)  
Ms. Vivian Hare, (6EN-WC)  
Mr. Wade Shows  
Mr. Mark LeBlanc  
Mr. Bryan Harmon  
Mr. Richard Wright  
Mr. Walter Jenkins  
Mr. David Ratcliff

Baton Rouge 2002 Consent Decree Quarterly Report  
 Summary of Activity Totals  
 October 1 - December 31, 2005

Summary of Activities	1st Quarter (12)		2nd Quarter (13)		3rd Quarter (14)		4th Quarter (15)		Totals		
	12th Quarterly Total	Cum. % Complete	13th Quarterly Total	Cum. % Complete	14th Quarterly Total	Cum. % Complete	15th Quarterly Total	Cum. % Complete	Cum. Annual Total	Cum. % Complete	Annual Goal
<b>Gravity Collection System (8,510,000ft/38,000MH)</b>											
Lines Cleaned (ft)	246,310	43.2%	221,372	82.0%	228,417	122.1%	227,494	162.0%	923,593	162.0%	570,000
CCTV Inspected (ft)	116,729	20.5%	142,925	45.6%	151,662	72.2%	112,414	91.9%	523,730	91.9%	570,000
Smoke Tested (ft)	110,488		255,434		220,662		108,745		695,329		----
Smoke Tested (no. of locations)	23		10		5		0		38		----
Dye Water Flooded (no. of locations)	59		76		11		4,800		4,946		----
Manholes Inspected (no.)	1,179	47.2%	1,395	103.0%	1,887	178.4%	3,438	316.0%	7,899	316.0%	2,500
Lines Repaired (no.)	892		878		607		474		2,851		----
MH Rehabbed (no.)	268		39		23		291		621		----
<b>Force Mains (240 miles)</b>											
Visual Surface Inspection (miles)	36.6	30.5%	32.3	57.4%	41.9	92.3%	49.2	133.3%	160.0	133.3%	120
Repaired (no.)	7		6		7		5		25		----
<b>Air Release Valves (604)</b>											
Inspected/Maintained	234	24.4%	207	45.9%	268	73.9%	314	106.6%	1,023	106.6%	960 to 1,200
Repaired (no.)	72		82		98		172		424		----
<b>Pump &amp; Lift Stations (421)</b>											
Inspections (no.)	16,692	37.0%	16,264	73.0%	16,692	110.0%	15,408	144.1%	65,056	144.1%	45,136
Wet wells cleaned	134		114		82		16		346		----
Repaired (no.)	27		20		16		15		78		----
<b>Peak Flow Storage Facilities (2)</b>											
Little Peak site visits	39	37.5%	38	74.0%	39	111.5%	36	146.2%	152	146.2%	104
Big Peak site visits	39	37.5%	38	74.0%	39	111.5%	36	146.2%	152	146.2%	104

Bold is percentage complete strived for on a quarterly basis that was not met.

25.0%

50.0%

75.0%

100.0%

**Baton Rouge 2002 Consent Decree Quarterly Report  
Preventive Maintenance Plan Summary Totals  
October 1 - December 31, 2005**

**South Plant-LA0036412**

Summary of Activities	3rd Quarter (EPA Report No. 14)							4th Quarter (EPA Report No. 15)								
	WWC (w/AMP)		WWT		SOGA	SOGA- contr.	Quarterly Total	*Cum. % Complete	WWC (w/AMP)		WWT		SOGA	SOGA- contr.	Quarterly Total	*Cum. % Complete
	(Rout.)	(Corr.)	(Rout.)	(Corr.)	(Rout.)	(Rout.)			(Rout.)	(Corr.)	(Rout.)	(Corr.)	(Rout.)	(Rout.)		
<b>Gravity Collection System (4,640,000ft/21,580MH)</b>																
Lines Cleaned (ft)	17,177	45,600				133,540	196,317	89%		73,800				111,994	185,794	122%
CCTV Inspected (ft)	17,492	270				133,540	151,302	59%		270				111,994	112,264	79%
Smoke Tested (ft)						20,685	161,549			16,473			6,666	58,332	81,471	
Smoke Tested (no. of locations)						1	1							0		
Dye Water Flooded (no. of locations)						1	1			2,700				2,700		
Manholes Inspected (no.)	10					116	1,047	54%		119			40	2,288	2,447	152%
Lines Repaired (no.)		194				67	261			161			38	199		
MH Rehabbed (no.)		16					16			12			26	38		
<b>Force Mains (110 miles)</b>																
Visual Surface Inspection (miles)			12				11.8	36%			16.5			16.5	50%	
Repaired (no.)		4					4			3				3		
<b>Air Release Valves (251)</b>																
Inspected/Maintained			75				75	29%			105			105	39%	
Repaired (no.)				43			43				78			78		
<b>Pump &amp; Lift Stations (259)</b>																
Inspections (no.)			10,452				10,452	69%			9,576			9,576	90%	
Wet wells cleaned			24				24			7				7		
Repaired (no.)				7			7				10			10		
<b>Peak Flow Storage Facilities (2)</b>																
Little Peak site visits			39				39	112%			36			36	146%	
Big Peak site visits			39				39	112%			36			36	146%	

Rout.-Routine Maintenance  
Corr.-Corrective Maintenance



**Baton Rouge 2002 Consent Decree Quarterly Report**  
**Preventive Maintenance Plan Summary Totals**  
**October 1 - December 31, 2005**

**Central Plant-LA Central Plant-LA0036421**

Summary of Activities	3rd Quarter (EPA Report No. 14)								4th Quarter (EPA Report No. 15)							
	WWC (w/AMP)		WWT		SOGA	SOGA- contr.	Quarterly Total	*Cum. % Complete	WWC (w/AMP)		WWT		SOGA	SOGA- contr.	Quarterly Total	*Cum. % Complete
	(Rout.)	(Corr.)	(Rout.)	(Corr.)	(Rout.)	(Rout.)			(Rout.)	(Corr.)	(Rout.)	(Corr.)	(Rout.)	(Rout.)		
<b>Gravity Collection System (1,410,000ft/5,760MH)</b>																
Lines Cleaned (ft)		7,200					7,200	12%		18,300					18,300	16%
CCTV Inspected (ft)		60					60	7%							0	7%
Smoke Tested (ft)					2,040		2,040						12,857		12,857	
Smoke Tested (no. of location)							0								0	
Dye Water Flooded (no. of location)							0								0	
Manholes Inspected (no.)	6				15		21	13%					63		63	16%
Lines Repaired (no.)		51				1	52			49			16		65	
MH Rehabbed (no.)		2					2						2		2	
<b>Force Mains (10 miles)</b>																
Visual Surface Inspection (miles)							0.0	0%							0.0	0%
Repaired (no.)							0								0	
<b>Air Release Valves (18)</b>																
Inspected/Maintained							0	0%							0	0%
Repaired (no.)							0								0	
<b>Pump &amp; Lift Stations (21)</b>																
Inspections (no.)			858				858	6%			792				792	7%
Wet wells cleaned			28				28			4					4	
Repaired (no.)				7			7								0	

Rout.-Routine Maintenance  
 Corr.-Corrective Maintenance

Baton Rouge 2002 Consent Decree Quarterly Report  
Preventive Maintenance Plan Summary Totals  
October 1 - December 31, 2005

**North Plant- LA0036439**

Summary of Activities	3rd Quarter (EPA Report No. 14)							4th Quarter (EPA Report No. 15)								
	WWC (w/AMP)		WWT		SOGA	SOGA- contc.	Quarterly Total	*Cum. % Complete	WWC (w/AMP)		WWT		SOGA	SOGA- contc.	Quarterly Total	*Cum. % Complete
	(Rout.)	(Corr.)	(Rout.)	(Corr.)	(Rout.)	(Rout.)			(Rout.)	(Corr.)	(Rout.)	(Corr.)	(Rout.)	(Rout.)		
Gravity Collection System (2,460,000ft/10,640MFD)																
Lines Cleaned (ft)		24,900						16%		23,400					23,400	21%
CCTV Inspected (ft)		300						6%		150					150	6%
Smoke Tested (ft)		12,041			15,280	9,067				12,546			1,871		14,417	
Smoke Tested (no. of locations)					4										0	
Dye Water Flooded (no. of locations)		6			4					2,100					2,100	
Manholes Inspected (no.)	29				90	574		84%				8	920		928	121%
Lines Repaired (no.)		74				220				64			146		210	
MH Rehabbed (no.)		5								3			248		251	
Force Mains (120 miles)																
Visual Surface Inspection (miles)			30.1					32%		32.7					32.7	59%
Repaired (no.)		1				2				2			2		2	
Air Release Valves (335)																
Inspected/Maintained			193					25%		209					209	47%
Repaired (no.)			55								94				94	
Pump & Lift Stations (141)																
Inspections (no.)			5,382					24%		5,040					5,040	35%
Wet wells cleaned			30							5					5	
Repaired (no.)				2							5				5	

Rout.-Routine Maintenance  
Corr.-Corrective Maintenance

# Table of Contents

	<u>PART</u>
CROSS CONNECTION ELIMINATION PLAN	A
COLLECTION SYSTEM PREVENTIVE MAINTENANCE PROGRAM (PMP)	B
SANITARY SEWER OVERFLOW RESPONSE PLAN (SSORP)	C
REPORTING OF UNAUTHORIZED DISCHARGES	D
CONSENT DECREE COMPLIANCE STATUS	E

**Part A:**  
Cross Connection  
Elimination Plan

## Baton Rouge Consent Decree Quarterly Report Part A - Cross Connection Elimination Plan

**Requirement:** Pursuant to Paragraph 16, Section VIII of the Consent Decree, if the City/Parish identifies any Cross Connection in the Collection System, it shall be permanently sealed or eliminated within 30 days of identification or if the City/Parish elects to have the work performed by a contractor, within 60 days of identification.

### Summary of Activities

No cross connections were discovered during this quarter. There is no anticipated non-compliance. During the reporting period 108,745 linear feet of sewer was smoke tested to identify violations of City/Parish ordinances regarding private cross connections. No private cross connections were identified. There were no exceptions in enforcing the ban on private cross connections.

<b>Summary</b>	<b>North Plant LA0036439 AI# 4843</b>	<b>Central Plant LA0036421 AI# 4842</b>	<b>South Plant LA0036412 AI# 4841</b>	<b>Total</b>
Total No. of Cross Connections Identified:	0	0	0	0
Total No. of Cross Connections Eliminated:	0	0	0	0
Total No. of Private Cross Connections Identified:	0	0	0	0
Total No. of Private Cross Connections Eliminated:	0	0	0	0

**Part A – Cross Connection Elimination Plan**

<b>Summary of Cross Connections Identified</b>						
<b>Number</b>	<b>Date Identified</b>	<b>Location</b>	<b>Private (Y/N)</b>	<b>Current Status</b>	<b>Notice Date</b>	<b>Date Eliminated</b>
<b>North Plant (LA0036439 AI# 4843)</b>						
1						
2						
3						
<b>Central Plant (LA0036421 AI# 4842)</b>						
1						
2						
3						
<b>South Plant (LA0036412 AI# 4841)</b>						
1						
2						
3						

The City/Parish  [is]  [is not] in compliance with Section VIII Elimination of Cross Connections for the period 10 / 01 / 05 to 12 / 31 / 05. If not, see comments above.

**Part B:**  
Preventive Maintenance  
Program (PMP)

## **Baton Rouge Consent Decree Quarterly Report Part B - Preventive Maintenance Program (PMP)**

**Requirement:** Pursuant to Exhibit I of the Consent Decree, the City/Parish shall report compliance and include a brief narrative summary of activities related to compliance and/or noncompliance with the Preventive Maintenance Program during the reporting period. In accordance with the Collection System Preventive Maintenance Plan, Paragraph 1.4, specific activities performed related to collection system preventive maintenance will be reported to the EPA and LDEQ on a quarterly basis.

### **Summary of Activities**

During the reporting period we have followed our standard operating procedures, and continued to follow the equipment manufacturers' recommended operation and maintenance requirements, as referenced in the Collection System Preventive Maintenance Plan. A summary of the collection system preventive maintenance activities for this reporting period is provided in the table on page B-2. As indicated, the primary preventive maintenance activity is inspection of facilities, including gravity sewers (through CCTV), manholes, ARVs and other facilities. Quarterly goals for specific activities identified in the Collection System Preventive Maintenance Plan were not achieved this quarter. Due to a slow first and fourth quarter, CCTV did not reach more than 100% of its goal; it reached 91.9% of the annual goal. In order to insure the annual goals for the year 2006 are met, we have increased the number of television inspection crews being used on our annual physical inspection contract. We do not anticipate any non-compliance related to preventive maintenance activities in the future.

We provided information for each treatment plant service area and identified whether the activity was routine (standard preventive maintenance) or corrective (in response to a particular complaint or perceived problem) in nature.

There were no problems encountered or deficiencies identified in the Preventive Maintenance Program plans.



**Part B - Preventive Maintenance Program (PMP)**

**Summary of Collection System Activities**

	Quarterly Total Oct-Dec 2005	Cumulative 2005 Annual Total	2005 Annual Goal
<b>Gravity Collection System (8,510,000ft/38,000MH)</b>			
Lines Cleaned (ft)	185,794	923,593	570,000
CCTV Inspected (ft)	112,264	523,730	570,000
Smoke Tested (ft)	81,471	695,329	----
Smoke Tested (no. of locations)	0	38	----
Dye Water Flooded (no. of locations)	2,700	4,946	----
Manholes Inspected (no.)	2,447	7,899	2,500
Lines Repaired (no.)	199	2,851	----
MH Rehabbed (no.)	38	621	----
<b>Force Mains (240 miles)</b>			
Visual Surface Inspection (miles)	16.5	160	120
Repaired (no.)	3	25	----
<b>Air Release Valves (604)</b>			
Inspected/Maintained	105	1,023	960 to 1,200
Repaired (no.)	78	424	----
<b>Pump &amp; Lift Stations (421)</b>			
Inspections (no.)	9,576	65,056	45,136
Wet wells cleaned	7	346	----
Repaired (no.)	10	78	----
<b>Peak Flow Storage Facilities (2)</b>			
Little Peak site visits	36	152	104
Big Peak site visits	36	152	104

\*\*Attached are separate Collection System Activity Sheets for each Treatment Plant Service Area.

The City/Parish  [is]  [is not] in compliance with Section IX Preventive Maintenance Program Plan for the period 10 / 01 / 05 to 12 / 31 / 05. If not, see comments above.

**Part B – Preventive Maintenance Program (PMP)  
Summary of Activities by Treatment Plant Service Area**

**North Plant (LA0036439 AI# 4843)**

	<u>Routine Maintenance</u>	<u>Corrective Maintenance</u>	<u>Quarterly Total Oct-Dec 2005</u>
<b>Gravity Collection System (2,460,000ft/10,640MH)</b>			
Lines Cleaned (ft)	0	23,400	23,400
CCTV Inspected (ft)	0	150	300
Smoke Tested (ft)	1,871	12,546	12,733
Smoke Tested (no. of locations)	0	0	0
Dye Water Flooded (no. of locations)	0	2,100	2,100
Manholes Inspected (no.)	928	0	928
Lines Repaired (no.)	146	64	210
MH Rehabbed (no.)	248	3	251
<b>Force Mains (120 miles)</b>			
Visual Surface Inspection (miles)	32.7	0	32.7
Repaired (no.)	2	0	2
<b>Air Release Valves (335)</b>			
Inspected/Maintained	209	0	209
Repaired (no.)	0	94	94
<b>Pump &amp; Lift Stations (141)</b>			
Inspections (no.)	5,040	0	5,040
Wet wells cleaned	5	0	5
Repaired (no.)	0	5	5

Routine Maintenance-Day to day maintenance work or operational activities carried out on a regular basis, to keep the collection system operating properly. Generally routine maintenance consists of visual, mechanical, electrical, and electronic checks to ensure proper functioning of equipment. Routine maintenance also consists of sewer cleaning, smoke testing, dye water flooding, manhole inspection, and CCTV inspection.

Corrective Maintenance-Maintenance which is required to restore an item to a specified working order/condition, normally initiated as a result of a scheduled or routine inspection. Generally corrective maintenance consists of rehabilitation of gravity lines, manholes, force mains, etc. and generally in conjunction with system inspection activities. Corrective maintenance also consists of repairing or replacing a failed structure such as a pump station or storage facility.

**Part B – Preventive Maintenance Program (PMP)  
Summary of Activities by Treatment Plant Service Area**

**Central Plant (LA0036421 AI# 4842)**

	<u>Routine Maintenance</u>	<u>Corrective Maintenance</u>	<u>Quarterly Total Oct-Dec 2005</u>
<b>Gravity Collection System (1,410,000ft/5,760MH)</b>			
Lines Cleaned (ft)	0	18,300	18,300
CCTV Inspected (ft)	0	0	60
Smoke Tested (ft)	12,857	0	12,857
Smoke Tested (no. of locations)	0	0	0
Dye Water Flooded (no. of locations)	0	0	0
Manholes Inspected (no.)	63	0	63
Lines Repaired (no.)	16	49	65
MH Rehabbed (no.)	2	0	2
<b>Force Mains (10 miles)</b>			
Visual Surface Inspection (miles)	0.0	0.0	0.0
Repaired (no.)	0	0	0
<b>Air Release Valves (18)</b>			
Inspected/Maintained	0	0	0
Repaired (no.)	0	0	0
<b>Pump &amp; Lift Stations (21)</b>			
Inspections (no.)	792	0	792
Wet wells cleaned	4	0	4
Repaired (no.)	0	0	0

Routine Maintenance-Day to day maintenance work or operational activities carried out on a regular basis, to keep the collection system operating properly. Generally routine maintenance consists of visual, mechanical, electrical, and electronic checks to ensure proper functioning of equipment. Routine maintenance also consists of sewer cleaning, smoke testing, dye water flooding, manhole inspection, and CCTV inspection.

Corrective Maintenance-Maintenance which is required to restore an item to a specified working order/condition, normally initiated as a result of a scheduled or routine inspection. Generally corrective maintenance consists of rehabilitation of gravity lines, manholes, force mains, etc. and generally in conjunction with system inspection activities. Corrective maintenance also consists of repairing or replacing a failed structure such as a pump station or storage facility.

**Part B – Preventive Maintenance Program (PMP)  
Summary of Activities by Treatment Plant Service Area**

**South Plant (LA0036412 AI# 4841)**

	<u>Routine Maintenance</u>	<u>Corrective Maintenance</u>	<u>Quarterly Total Oct. – Dec. 2005</u>
<b>Gravity Collection System (4,640,000ft/21,580MH)</b>			
Lines Cleaned (ft)	111,994	73,800	185,794
CCTV Inspected (ft)	111,994	270	112,264
Smoke Tested (ft)	64,998	16,473	81,471
Smoke Tested (no. of locations)	0	0	0
Dye Water Flooded (no. of locations)	0	2,700	2,700
Manholes Inspected (no.)	2,447	0	2,447
Lines Repaired (no.)	38	161	199
MH Rehabbed (no.)	26	12	38
<b>Force Mains (110 miles)</b>			
Visual Surface Inspection (miles)	16.5	0.0	16.5
Repaired (no.)	0	3	3
<b>Air Release Valves (251)</b>			
Inspected/Maintained	105	0	105
Repaired (no.)	0	78	78
<b>Pump &amp; Lift Stations (259)</b>			
Inspections (no.)	9,576	0	9,576
Wet wells cleaned	7	0	7
Repaired (no.)	0	10	10
<b>Peak Flow Storage Facilities (2)</b>			
Little Peak site visits	36	0	36
Big Peak site visits	36	0	36

Routine Maintenance-Day to day maintenance work or operational activities carried out on a regular basis, to keep the collection system operating properly. Generally routine maintenance consists of visual, mechanical, electrical, and electronic checks to ensure proper functioning of equipment. Routine maintenance also consists of sewer cleaning, smoke testing, dye water flooding, manhole inspection, and CCTV inspection.

Corrective Maintenance-Maintenance which is required to restore an item to a specified working order/condition, normally initiated as a result of a scheduled or routine inspection. Generally corrective maintenance consists of rehabilitation of gravity lines, manholes, force mains, etc. and generally in conjunction with system inspection activities. Corrective maintenance also consists of repairing or replacing a failed structure such as a pump station or storage facility.

**Part C:**  
Sanitary Sewer Overflow  
Response Plan (SSORP)

## Baton Rouge Consent Decree Quarterly Report Part C - Sanitary Sewer Overflow Response Plan (SSORP)

**Requirement:** Pursuant to Paragraph 24, Section X of the Consent Decree, The City/Parish shall implement the Sanitary Sewer Overflow Response Plan (SSO Response Plan) attached to the Consent Decree as Exhibit A.

### Summary of Activities

A total of 45 Sanitary Sewer Overflows (SSOs) were responded to during this reporting period. The Sanitary Sewer Overflow Monitoring Report, included as Part D Reporting of Unauthorized Discharges of this Quarterly Report, provides details about these overflows – including the response action taken. The Sanitary Sewer Overflow Response Plan was followed for each unauthorized discharge reported. There were no problems encountered in following the SSO Response Plan. The City/Parish was in compliance with the Collection System Preventive Maintenance Program.

<b>Summary of Unauthorized Discharges</b>	<b>Number</b>
North Plant-LA0036439 AI# 4843 Collection System	8
Central Plant-LA0036421 AI # 4842 Collection System	2
South Plant-LA0036412 AI# 4841 Collection System	35
<b>Total</b>	<b>45</b>

\*\* See table attached to Part D – Reporting of Unauthorized Discharges for detailed information about individual events.

The City/Parish  [is]  [is not] in compliance with Section X Sanitary Sewer Overflow Response Plan (SSORP) for the period 10 / 01 / 05 to 12 / 31 / 05. If not, see comments above.

**Part D:**  
Reporting of  
Unauthorized Discharges

## Baton Rouge Consent Decree Quarterly Report Part D - Reporting of Unauthorized Discharges

**Requirement:** Pursuant to Paragraph 26, Section XI of the Consent Decree the City/Parish shall report all Unauthorized Discharges of which it becomes aware to EPA and LDEQ. All such Unauthorized Discharges shall be reported to EPA and LDEQ in the Quarterly Report.

### Summary of Unauthorized Discharges

The attached Sanitary Sewer Overflow Monitoring Report provides information about all unauthorized discharges discovered during the reporting period, such as the date, location, cause, action taken to reduce or eliminate the discharge, surface water which received the discharge and quantity of the discharge. The attached Sanitary Sewer Overflow Monitoring Report also identifies the steps taken to prevent the recurrence of the discharge.

Summary of Unauthorized Discharges	Number
North Plant-LA0036439 AI# 4843 Collection System	8
Central Plant-LA0036421 AI # 4842 Collection System	2
South Plant-LA0036412 AI# 4841 Collection System	35
<b>Total</b>	<b>45</b>

\*\* See attached tables for detailed information about individual events.

There were no unusual SSOs, but there were two unauthorized discharges equal to or greater than 100,000 gallons during this reporting period. The first event occurred during a force main break and the second event occurred during a total power outage in the area. (See attached correspondence).

Implementation of the Remedial Measures Action Plan (RMAP) projects will not prevent the recurrence of the above unauthorized discharges, but the RMAP projects will prevent the recurrence of unauthorized discharges due exclusively to wet weather events less than or equal to the modeled design storm.

The City/Parish  [is]  [is not] in compliance with Section XI Reporting of Unauthorized Discharges for the period 10/ 1 / 05 to 12 / 31 / 05. If not, see comments above.



CITY OF BATON ROUGE PARISH OF EAST BATON ROUGE  
 SANITARY SEWER OVERFLOWS MONITORING REPORT

10/1/2005

TO

12/31/2005

**SOUTH** Sewer District Collection System LPDES LA0036412 AI#4841

<u>Date</u>	<u>Address</u>	<u>Cause</u>	<u>Action</u>	<u>Prevention</u>	<u>Rec. Waters</u>	<u>Amt. Gals</u>	<u>PS</u>	<u>BOD</u>	<u>TSS</u>	<u>pH</u>
10/5/2005	1382 Highland Park	Overflow caused from stoppage in collection line. MH#056-00001	Washed down area, deodorized and disinfected.	Continue preventive maintenance	none	200	056-00001	154	200	6.87
10/5/2005	11866 Jefferson Hwy	Overflow caused from stoppage in collection line. MH#147-00058	Washed down area, deodorized and disinfected.	Continue preventive maintenance	none	200	147-00058	148	172	6.78
10/6/2005	110 Shady Lake	Overflow caused from stoppage in collection line. MH#302-05004	Washed down area, deodorized and disinfected.	Continue preventive maintenance	none	200	302-05004	165	208	6.85
10/10/2005	9932 Great Smokey	Overflow caused from PS#16 failure MH#016-00044	Washed down area, deodorized and disinfected.	Continue preventive Maintenance	none	500	016-00044	165	228	6.77
10/10/2005	13844 Bywater	Overflow caused from broken forcemain MH#262-00031	Washed down area, deodorized and disinfected.	none	none	1,200	Forcemain	154	168	6.49
10/11/2005	4700 Sherwood Corn	Overflow caused from stoppage in collection line. MH#251-00023	Washed down area, deodorized and disinfected.	Continue preventive maintenance	none	200	251-00023	174	224	6.97
10/14/2005	4388 DeBellevue	Overflow caused from stoppage in collection line. MH#058-00148	Washed down area, deodorized and disinfected.	Continue preventive maintenance	none	200	058-00148	165	170	6.95
10/17/2005	18460 Santa maria	Overflow caused from PS# 382 failure MH#382-00001	Washed down area, deodorized and disinfected.	Continue preventive maintenance	none	300	382-00001	140	206	6.69
10/19/2005	110 ShadyLake	Overflow caused from PS# 302 failure MH#302-00002	Washed down area, deodorized and disinfected.	Continue preventive maintenance	none	200	302-00002	148	200	6.78
10/19/2005	3028 Belle Cherie	Overflow caused from stoppage in collection line. MH#236-00059	Washed down area, deodorized and disinfected	Continue preventive maintenance/Monitor for recurrence.	none	200	236-00059	130	180	6.73

DATE	SEV	TYPE	WS M.	DESCRIPTION	TO	10/1/2005	12/31/2005						
SOUTH Sewer District Collection System LPDES LA0036412 A1#4841													
<u>Date</u>	<u>Address</u>	<u>Cause</u>	<u>Action</u>	<u>Prevention</u>	<u>Rec. Waters</u>	<u>Amt. Gals</u>	<u>PS</u>	<u>BOD</u>	<u>TSS</u>	<u>pH</u>			
10/19/2005	3018 Belle Cherie	Overflow caused from stoppage in collection line. MH#236-00058	Washed down area, deodorized and disinfected.	Continue preventive maintenance/Monitor for recurrence.	none	200	236-00058	130	180	6.73			
10/21/2005	6024 Hibiscus	Overflow caused from stoppage in collection line. MH#056-00097	Washed down area, deodorized and disinfected.	Continue preventive maintenance/Monitor for recurrence.	none	200	056-00097	154	194	6.96			
11/4/2005	110 Shady Lake	Overflow caused from PS#302 failure MH#302-00002	Washed down area, deodorized and disinfected.	Continue preventive maintenance	none	300	302-00002	134	176	6.75			
11/7/2005	3028 Belle Cherie	Overflow caused from stoppage in collection line. MH#236-00059	Washed down area, deodorized and disinfected.	Continue preventive maintenance	none	200	236-00059	167	190	6.7			
11/18/2005	9940 Great Smokey	Overflow caused from stoppage in collection line. MH#051-00192	Washed down area, deodorized and disinfected.	Continue preventive maintenance	none	200	051-00192	142	162	6.82			
11/17/2005	926 Magnolia Woods	Overflow caused from stoppage in collection line. MH#061-00173	Washed down area, deodorized and disinfected.	Continue preventive Maintenance	none	100	061-00173	142	194	6.81			
11/21/2005	14486 North Holly	Overflow caused from stoppage in collection line. MH#062-00030	Washed down area, deodorized and disinfected.	Continue preventive Maintenance	none	200	062-00030	172	168	6.92			
11/21/2005	986 Woodvine	Overflow caused from stoppage in collection line. MH#058-08303	Washed down area, deodorized and disinfected.	Continue preventive maintenance	none	200	058-08303	180	186	6.83			
11/22/2005	Centurion Place	Overflow caused from stoppage in collection line. MH#191-00063	Washed down area, deodorized and disinfected.	Continue preventive maintenance	none	200	191-00063	168	156	6.78			
11/22/2005	3233 King Bradford	Overflow caused from stoppage in collection line. MH#283-00003	Washed down area, deodorized and disinfected.	Continue preventive maintenance	none	200	283-00003	168	156	6.78			

10/1/2005

TO

12/31/2005

**SOUTH** Sewer District Collection System LPDES LA0036412 AI#4841

<u>Date</u>	<u>Address</u>	<u>Cause</u>	<u>Action</u>	<u>Prevention</u>	<u>Rec. Waters</u>	<u>Amt. Gals</u>	<u>PS</u>	<u>BOD</u>	<u>TSS</u>	<u>pH</u>
11/28/2005	550 Lee Dr.	Overflow caused from stoppage in collection line. MH#070-00038	Washed down area, deodorized and disinfected.	Continue preventive maintenance	none	100	070-00038	125	100	6.9
12/1/2005	3233 King Bradford	Overflow caused from stoppage in collection line. MH#283-00003	Washed down area, deodorized and disinfected.	Continue preventive maintenance	none	200	283-00003	140	323	6.77
12/5/2005	3231 King Bradford	Overflow caused from stoppage in collection line. MH#283-00003	Washed down area, deodorized and disinfected.	Continue preventive maintenance	none	200	283-00003	89	316	6.69
12/9/2005	10346 Bronze Bush	Overflow caused from stoppage in collection line. MH#0058-02035	Washed down area, deodorized and disinfected.	Continue preventive maintenance	Jones Creek	200	058-02035	164	168	6.95
12/12/2005	1580 Southland Ct.	Overflow caused from PS Failure MH#099-00002	Washed down area, deodorized and disinfected.	Continue preventive Maintenance	none	200	099-00002	235	182	6.74
12/12/2005	1251 Ardenwood	Overflow caused from stoppage in collection line. MH#058-00962	Washed down area, deodorized and disinfected.	Continue preventive Maintenance	none	150	058-00962	283	196	7.06
12/15/2005	8027 Jefferson Hwy	Overflow caused from stoppage in collection line. MH#058-01182	Washed down area, deodorized and disinfected.	Continue preventive maintenance	none	200	058-01182	91	166	6.89
12/16/2005	8686 Coy Dr.	Overflow caused from stoppage in collection line. MH#102-05000	Washed down area, deodorized and disinfected.	Continue preventive maintenance	none	200	102-05000	148	160	6.76
12/16/2005	5943 Woodlawn Park	Overflow caused from stoppage in collection line. MH#274-00203	Washed down area, deodorized and disinfected.	Continue preventive maintenance	none	200	274-00203	136	224	6.82
12/20/2005	1240 Park Meadow	Overflow caused from stoppage in collection line. MH#148-00088	Washed down area, deodorized and disinfected.	Continue preventive maintenance	none	200	148-00088	158	192	6.83

## SANITARY SEWER OVERFLOWS MONITORING REPORT

10/1/2005

TO

12/31/2005

SOUTH Sewer District Collection System LPDES LA0036412 AI#4841

12/21/2005	9940 Great Smokey	Overflow caused from stoppage in collection line. MH#051-00194	Washed down area, deodorized and disinfected.	Continue preventive maintenance	none	200	051-00194	163	228	6.87
12/25/2005	1242 Chippenham	Overflow caused from stoppage in collection line. MH#053-00190	Washed down area, deodorized and disinfected.	Continue preventive maintenance	none	200	053-00190	109	150	6.87
12/25/2005	6933 N. Fieldgate	Overflow caused from PS failure. MH#037-00001	Washed down area, deodorized and disinfected.	Continue preventive maintenance	none	200	037-00001	109	150	6.87
12/29/2005	1572 Leicester	Overflow caused from stoppage in collection line. MH#214-00003	Washed down area, deodorized and disinfected.	Continue preventive maintenance	none	200	214-00003	177	408	6.78

SANITARY SEWER OVERFLOWS MONITORING REPORT

10/1/2005

TO

12/31/2005

CENTRAL Sewer District Collection System LPDES LA0036421A1# 4842

<u>Date</u>	<u>Address</u>	<u>Cause</u>	<u>Action</u>	<u>Prevention</u>	<u>Rec. Waters</u>	<u>Amt. Gals</u>	<u>PS</u>	<u>BOD</u>	<u>TSS</u>	<u>pH</u>
10/26/2005	4604 Perkins Rd.	Overflow caused from stoppage in collection line MH#005-04033	Washed down area, deodorized and disinfected.	Continue preventive maintenance/Monitor for recurrence.	none	100	005-04033	233	206	7.28
12/19/2005	4604 Perkins Rd.	Overflow caused from stoppage in collection line. MH#005-04033	Washed down area, deodorized and disinfected. Called pump mechanic	Continue preventive maintenance	none	200	005-04033	138	171	7.12

LANCASTER SEWER OVERFLOW MONITORING REPORT

10/1/2005

TO

12/31/2005

NORTH Sewer District Collection System LPDES LA0036439 AI# 4843

<u>Date</u>	<u>Address</u>	<u>Cause</u>	<u>Action</u>	<u>Prevention</u>	<u>Rec. Waters</u>	<u>Amt. Gals</u>	<u>PS</u>	<u>BOD</u>	<u>TSS</u>	<u>pH</u>
10/1/2005	11277 Devall	Overflow caused from broken Forcemain MH#045-00001	Washed down area, deodorized and disinfected.	none	Cypress bayou	2,886,000	Forcemain	114	228	7.21
11/2/2005	12316 Pheasantwood	Overflow caused from PS# 501 failure MH#501-00002	Washed down area, deodorized and disinfected.	Continue preventive maintenance	none	300	501-00002	152	132	7
11/29/2005	8462 Elm Grove Gardens	Overflow caused from stoppage in collection line. MH#046-00001	Washed down area, deodorized and disinfected.	Continue preventive maintenance	Hurricane Creek	500	046-00001	132	118	7
12/1/2005	8446 Joor Rd.	Overflow caused from Broken Forcemain	Made repair on EPR. Washed down area, deodorized and disinfected.	None	none	4,326	forcemain	162	136	7.25
12/12/2005	5365 Sumrall	Overflow caused from stoppage in collection line. MH#052-00563	Washed down area, deodorized and disinfected.	Continue preventive maintenance	none	200	052-00563	241	164	7.11
12/19/2005	5334 Lemonwood	Overflow caused from PS failure MH#024-00001	Washed down area, deodorized and disinfected. Called pump mechanic	Continue preventive maintenance	none	200	024-00001	122	166	7.33
12/21/2005	7221 Airline Hwy	Overflow caused from stoppage in collection line MH#055-00098	Washed down area, deodorized and disinfected. Called pump mechanic	Continue preventive maintenance	none	200	055-00098	145	160	7.25
12/30/2005	12218 Plymouth	Overflow caused from PS failure MH#038-00001	Washed down area, deodorized and disinfected. Called pump mechanic	Continue preventive maintenance	none	200	038-00001	150	184	7.29



## Department of Public Works

City of Baton Rouge  
Parish of East Baton Rouge

Post Office Box 1471  
Baton Rouge, Louisiana  
70821

November 21, 2005

Peggy Hatch, Environmental Specialist Coordinator  
Department of Environmental Quality  
Enforcement Section  
Post Office Box 82215  
Baton Rouge, Louisiana 70884-2215

Re: LPDES Permit No. LA0036412 AI #4841  
South Wastewater Treatment Plant Overflow

Dear Ms. Hatch:

This letter is to provide information about an overflow at the South Wastewater Treatment Plant, which occurred from 0905 hours to 0915 hours on November 16, 2005. During this time, an estimated 142,000 gallons received primary treatment before overflowing from the old influent pump station wet well.

This overflow occurred due to a total power outage in the area causing the old effluent wet well to overflow. The power to the plant was restored soon after by the local utility company (Entergy) and pumps were immediately returned to normal operation and the overflow ceased. Procedures outlined in the Sanitary Sewer Response Plan were followed during the incident.

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

Sincerely yours,

Peter Newkirk, P.E.  
Public Works Director

WD/RG/mo

xc: Wade Shows, Parish Attorney  
Robert Groht, Jr., Wastewater Treatment Plant Manager  
Bob Wilks, Wastewater Treatment Process Control Supervisor  
Garcia Dialekwa, Wastewater Laboratory Supervisor  
Hugh Taylor, Wastewater Treatment Plant Supervisor-STP  
Cheryl Berry, PE-DPW-SOGA



## Department of Public Works

Wastewater Collection Division

City of Baton Rouge  
Parish of East Baton Rouge  
Post Office Box 1471  
Baton Rouge, Louisiana  
70821

October 14, 2005

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

Attention: Vivian Hare

Re: LPDES Permit No. LA0036439 AI#4843  
11277 Devall Lane - Overflow - PS 045 Area

Dear Ms. Hare:

This letter is to provide information regarding a Discharge at 11277 Devall Lane. (30" Force-main), which occurred from approximately 10:00 p.m. October 1, 2005 to 3:00 p.m. October 4, 2005. During this time, an estimated 2,886,000 gallons of untreated sewage was released to Cypress Bayou.

The discharge occurred due to a broken 30" ariel force-main, which crossed Cypress Bayou. It was determined that due to the excessive water flow through the canal caused from Hurricane Katrina and Hurricane Rita, the structural supports that housed the 30" force-main were weakened which caused failure at the connecting joint. Once the discharge was located, emergency crews were mobilized to begin the by-pass, repair, and cleanup procedures. Two areas downstream of the break were dammed off with sand bags so the released sewer could be contained. Two 6" pumps were immediately set-up at these areas to begin extracting the sewer from the canal back into the system as well as pumping fresh hydrant water into the canal. On 10/4/05, Emergency point repair crews completed the rebuilding of the supports and the repair on the force-main. By-pass pumping and fresh water release continued until Friday October 7, 2005. After all work had ended it was determined that a total of 10,992,600 gallons of water was pumped from the canal back into the system. Procedures outlined in the SSO Response Plan were followed during the incident.

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

Sincerely yours,

*fol*  
William B. Daniel IV, PE  
Interim Director of Public Works

WD/

xc: Jeff Broussard, PE, Deputy Director of Public Works  
Richard Wright, PE - SOGA  
Wade Shows, Parish Attorney  
David Ratcliff, Wastewater Collection Systems Manager  
Robert Groht, Jr., Wastewater Treatment Plant Manager  
Bob Wilks, Wastewater Treatment Process Control Supervisor  
Garcia Dialekwa, Wastewater Laboratory Supervisor  
LA Department of Environmental Quality  
Cheryl Berry, PE II - SOGA



**Part E:**  
Consent Decree  
Compliance Status

## Baton Rouge Consent Decree Quarterly Report Part E - Consent Decree Compliance Status

**Requirement:** Pursuant to Exhibit I of the Consent Decree, the City/Parish shall report Consent Decree compliance status in each quarterly report and provide a brief narrative summary of non-compliance items and any other information required to convey activity status as it relates to compliance or non-compliance with the Consent Decree.

### Compliance Status

- I. The City/Parish was not in compliance with the South Treatment Plant LPDES Permit No. LA0036412 AI# 4841 during the reporting period. The South Wastewater Treatment Plant (SWWTP) exceeded the permit effluent limits for weekly average for Fecal Coliform and monthly average for BOD, for the periods shown in the table below. The total amount of stipulated penalties identified for non-compliant activities at the South Plant during this reporting period is \$9,500. Noncompliance was due to operational issues at the South Wastewater Treatment Plant.

Primary basin #1, Chlorine Inductor, Trickling Filters #5 – 8 and bar screens E101, E102, & E103 at the SWWTP were out of service during this reporting period for repairs. Primary Basin #1 is being refurbished and will be in service within 21 days. City/Parish crew refurbished Chlorine Inductor and it is now in service. Trickling Filter #5 – 8 should back in service by January 20, 2006. Bar screens will be available once the new conveyor is installed. The new conveyor should be installed by February, 2006. Noncompliance is anticipated until March 31, 2006.

SWWTP	Permit Level	4th Quarter 2005			Stipulated Penalty		
		Oct.	Nov.	Dec.	# of Occurrences	Per Occurrence	Total
<b>BOD</b>							
7-Day Avg. (mg/l)	45	C	C	C			
Monthly Avg. (mg/l)	30	39	36	38	3	\$2,500	\$7,500
Monthly Avg. (lbs/day)	13,511	C	C	C			
Percent Removal	75%	C	C	C			
<b>TSS</b>							
7-Day Avg. (mg/l)	45	C	C	C			
Monthly Avg. (mg/l)	30	C	C	C			
Monthly Avg. (lbs/day)	13,511	C	C	C			
Percent Removal	75%	C	C	C			
<b>TRC</b>							
Monthly Max (mg/l)	0.46	C	C	C			
<b>Fecal Coliform</b>							
7-Day Avg. (mg/l)	400 col/100ml	427	C	689	2	\$1,000	\$2,000
Monthly Avg. (mg/l)	200 col/100ml	C	C	C			
<b>Total</b>							<b>\$9,500</b>

C-Compliance

**Part E - Consent Decree Compliance Status**

2. The City/Parish was not in compliance with the North Treatment Plant LPDES Permit No. LA0036439 AI# 4843 during the reporting period. The North Wastewater Treatment Plant (NWWTP) exceeded the permit effluent limit monthly average for BOD. The total amount of stipulated penalties identified for non-compliant activities at the North Plant during this reporting period is \$2,500.00. Noncompliance at the North Wastewater Treatment Plant was due to operational issues at the North Wastewater Treatment Plant.

Trickling filters #6-8 were taken offline for valve replacement at the clarifier distribution box and were not in full service the whole month of November.

NWWTP	Permit Level	4th Quarter 2005			Stipulated Penalty		
		Oct.	Nov.	Dec.	# of Occurrences	Per Occurrence	Total
<b>BOD</b>							
7-Day Avg. (mg/l)	45	C	C	C			
Monthly Avg. (mg/l)	30	C	32	C	1	\$2,500	\$2,500
Monthly Avg. (lbs/day)	13,511	C	C	C			
Percent Removal	75%	C	C	C			
<b>TSS</b>							
7-Day Avg. (mg/l)	45	C	C	C			
Monthly Avg. (mg/l)	30	C	C	C			
Monthly Avg. (lbs/day)	13,511	C	C	C			
Percent Removal	75%	C	C	C			
<b>TRC</b>							
Monthly Max (mg/l)	0.46	C	C	C			
<b>Fecal Coliform</b>							
7-Day Avg. (mg/l)	400 col/100ml	C	C	C			
Monthly Avg. (mg/l)	200 col/100ml	C	C	C			
<b>Total</b>							<b>\$2,500</b>

C-Compliance

3. The City/Parish was in compliance with the Central Treatment Plant LPDES Permit No. LA0036421 AI# 4842 during the reporting period.

The City/Parish  [is]  [is not] in full compliance with Consent Decree for the period 10 / 1 / 05 to 12 / 31 / 05. If not, see comments above.