LOUISIANA WATER QUALITY MANAGEMENT PLAN

VOLUME 8

WASTELOAD ALLOCATIONS/TOTAL MAXIMUM DAILY LOADS AND EFFLUENT LIMITATIONS POLICY

May 28, 2013

Louisiana Water Quality Management Plan
Volume 8

Document Revision Record

Revision Date	Basin	Subsegment(s)	Waterbody	Revision/Status
5/28/2013	Calcasieu River	030301 and 030901	Upper Calcasieu Estuary and Bayou D'Inde	Revised based on court-ordered vacated copper and mercury TMDLs for subsegments 030301 and 030901. Approval date set to Court Order date of July 17, 2012.
6/7/2012	Mississippi River	070401, 070502, and 070503	Mississippi River Passes, Thompson Creek, and Capitol Lake	EPA approved Fecal Coliform Bacteria TMDLs on 3/28/2011.
6/7/2012	Vermilion-Teche River	060801 and 060802	Vermilion River	BOD TMDL Report included Subsegments 060801 and 060802. Edited WQMP to include both subsegments, not just 060801.
5/2/2012	Lake Pontchartrain	040102, 040103, 040201, 040302, 040304, 040305, 040503, 040504, 040505, 040603, 040703, 040909, 040910, 041302, and 041401	Comite River, Bayou Manchac, Amite River, Grays Creek, Colyell Creek, Natalbany River, Yellow Water River, Ponchatoula Creek and Ponchatoula River, Big Creek and Tributaries, W-14 Main Diversion Canal, Salt Bayou, Lake Pontchartrain Drainage Canals, and New Orleans East Leveed Waterbodies	EPA approved TMDLs for Fecal Coliform Bacteria on 3/28/2012.
5/2/2012	Lake Pontchartrain	040501 and 040504	Tickfaw River and Yellow Water River	EPA approved TMDLs for Total Dissolved Solids on 3/28/2012.
5/2/2012	Lake Pontchartrain	040301, 040401, and 040903	Amite River, Blind River, and Bayou Cane	EPA approved TMDLs for Total Suspended Solids, Sediment, and Turbidity on 3/28/2012.
5/2/2012	Lake Pontchartrain	040303, 040401, 040403, 040501, 040701, 040801, 040905, and 040906	Amite River, Blind River, Tickfaw River, Tangipahoa River, Tchefuncte River and Tributaries, and Bayou Liberty	EPA approved TMDLs for Mercury on 3/28/2012.
5/2/2012	Lake Pontchartrain	040505	Ponchatoula Creek and Ponchatoula River	EPA approved TMDL for Dissolved Oxygen on 3/28/2012.
5/2/2012	Lake Pontchartrain	041201	Bayou Labranche	EPA approved TMDL for Dissolved Oxygen on 3/28/2012.

Revision Date	Basin	Subsegment(s)	Waterbody	Revision/Status
5/2/2012	Lake Pontchartrain	041805	Lake Borgne Canal (Violet Canal)	EPA approved TMDL for Dissolved Oxygen on 3/28/2012.
5/2/2012	Lake Pontchartrain	041401	New Orleans East Leveed Waterbodies	EPA approved TMDL for Dissolved Oxygen on 3/28/2012.
5/2/2012	Lake Pontchartrain	040802 and 040803	Lower Tchefuncte River	EPA approved TMDL for Biochemical Oxygen-Demanding Substances on 3/6/2012.
5/2/2012	Lake Pontchartrain	040901 and 040902	Bayou Lacombe	EPA approved TMDL for Biochemical Oxygen-Demanding Substances on 3/2/2012.
11/7/2011	Lake Pontchartrain	040905, 040906, 040907 and 040908	Bayou Liberty and Bayou Bonfouca	EPA approved TMDL for Biochemical Oxygen-Demanding Substances on 10/19/2011.
8/11/2011	Barataria	020102	Bayou Boeuf, Halpin Canal, and Theriot Canal	EPA approved REVISED TMDL for Biochemical Oxygen-Demanding Substances on 7/29/2011.
8/11/2011	Barataria	020103	Lake Boeuf	
8/11/2011	Lake Pontchartrain	040305	Colyell Creek	EPA approved TMDL for Biochemical Oxygen-Demanding Substances on 7/29/2011.
8/11/2011	Lake Pontchartrain	040603	Selsers Creek	EPA approved TMDL for Biochemical Oxygen-Demanding Substances on 7/29/2011.
6/27/2011	Lake Pontchartrain	040903 and 040904	Bayou Cane	EPA approved TMDL for Biochemical Oxygen-Demanding Substances on 6/10/2011.
6/27/2011	Barataria	020101	Bayou Verret, Bayou Chevreuil, Bayou Citamon, and Grand Bayou	EPA approved TMDLs for biochemical oxygen-demanding substances, which were revised due to criteria changes, on 4/18/2011. EPA granted approval to update the WQMP on 6/8/2011.
6/27/2011	Terrebonne	120104	Bayou Grosse Tete	
6/27/2011	Terrebonne	120111	Bayou Maringouin	
6/27/2011	Terrebonne	120206	Grand Bayou and Little Grand Bayou	
6/27/2011	Lake Pontchartrain	040303	Lower Amite River	EPA approved TMDL for Biochemical Oxygen-Demanding Substances on 5/20/2011.
6/27/2011	Lake Pontchartrain	040201	Bayou Manchac	EPA approved TMDL for Biochemical Oxygen-Demanding Substances on 5/11/2011
6/27/2011	Calcasieu River	030101	Calcasieu River	EPA approved TMDL for Fecal Coliform Bacteria on 3/7/2011
		030501	Whiskey Chitto Creek	EPA approved TMDL for Fecal Coliform Bacteria on 3/7/2011
		030603	Marsh Bayou	EPA approved TMDL for Fecal Coliform Bacteria on 3/7/2011
		030701	Bayou Serpent	EPA approved TMDL for Dissolved Lead on 3/7/2011
		030802	Hickory Branch	EPA approved TMDL for Fecal Coliform Bacteria on 3/7/2011

Revision Date	Basin	Subsegment(s)	Waterbody	Revision/Status
		030804	Little River	EPA approved TMDL for Dissolved Lead on 3/7/2011
		030805	Indian Bayou	EPA approved TMDL for Fecal Coliform Bacteria on 3/7/2011
		031101	Intracoastal Waterway	EPA approved TMDL for Fecal Coliform Bacteria on 3/7/2011
6/27/2011	Mermentau River	050301	Bayou Nezpique	EPA approved TMDL for Dissolved Lead on 3/7/2011
		050303	Castor Creek	EPA approved TMDL for Dissolved Lead on 3/7/2011
		050304	Bayou Blue	EPA approved TMDL for Dissolved Lead on 3/7/2011
		050601	Lacassine Bayou	EPA approved TMDL for Dissolved Lead on 3/7/2011
		050603	Bayou Chene	EPA approved TMDL for Dissolved Lead on 3/7/2011
6/27/2011	Ouachita River	080606	Cypress Creek	EPA approved TMDL for Fecal Coliform Bacteria on 3/7/2011
		080906	Turkey Creek	EPA approved TMDL for Fecal Coliform Bacteria on 3/7/2011
		081607	Trout Creek	EPA approved TMDL for Fecal Coliform Bacteria on 3/7/2011
		081608	Big Creek	EPA approved TMDL for Fecal Coliform Bacteria on 3/7/2011
6/27/2011	Pearl River	090207	Middle and West Middle Pearl River	EPA approved TMDL for Fecal Coliform Bacteria on 3/7/2011
		090502	Big Silver Creek	EPA approved TMDL for Fecal Coliform Bacteria on 3/7/2011
		090503	Little Silver Creek	EPA approved TMDL for Fecal Coliform Bacteria on 3/7/2011
6/27/2011	Red River	101101	Cane River	EPA approved TMDL for Fecal Coliform Bacteria on 3/7/2011
6/27/2011	Sabine River	110402	Bayou Toro	EPA approved TMDL for Dissolved Lead on 3/7/2011
12/21/2010	Lake Pontchartrain	040304	Grays Creek	EPA Finalized TMDL for Biochemical Oxygen-Demanding Substances on 11/23/2010
4/26/2010	Atchafalaya River	010301	West Atchafalaya Basin Floodway	Added mercury TMDL developed by FTN Associates for EPA dated 3/12/2010.
				Added DO TMDL developed by Tetra Tech for EPA dated March 2010.
		010401	East Atchafalaya Basin and Morganza Floodway South to Interstate 10 Canal	Added mercury TMDL developed by FTN Associates for EPA dated 3/12/2010.
		010501	Lower Atchafalaya Basin Floodway	Added mercury TMDL developed by FTN Associates for EPA dated 3/12/2010.

Revision Date	Basin	Subsegment(s)	Waterbody	Revision/Status
		010601	Crow Bayou, Bayou Blue, and Tributaries	Added chloride, sulfate, and total dissolved solids TMDL developed by FTN Associates for EPA dated 3/12/2010.
1/26/2009	Vermilion Teche	060201	Bayou Cocodrie	Replaced copper point source load allocation of 0.507 lbs/day and copper TMDL of 0.691 lbs/day with the revised TMDL data from the fourth revision developed by LDEQ dated 12/6/2007.
1/26/2009	Pearl River	090105	Pearl River Navigation Canal, Pools Bluff to Lock No. 3	Added DO TMDL developed by Tetra Tech for EPA dated 3/25/2008, and revised 9/10/2008.
		090204	Pearl River Navigation Canal, Below Lock No. 3	
		090207	Middle River and West Middle River, West Pearl River to Little Lake	
1/26/2009	Pearl River	090101	Pearl River, Mississippi state line to Pearl River Navigation Canal	Added mercury TMDL developed by Tetra Tech for EPA dated 9/17/2007.
		090102	East Pearl River, Holmes Bayou to I-10	
		090103	East Pearl River, from I-10 to Lake Borgne	
		090105	Pearl River Navigation Canal, Pools Bluff to Lock No. 3	
		090106	Holmes Bayou, Pearl River to West Pearl River	
		090107	Pearl River, Pearl River Navigation Canal to Holmes Bayou	
		090201	West Pearl River, headwaters to Holmes Bayou	
		090202-05126	Morgan River, Porters River to West Pearl River	
		090203	Bogue Chitto, Pearl River Navigation Canal to Wilson Slough	

Revision Date	Basin	Subsegment(s)	Waterbody	Revision/Status
		090204	Pearl River Navigation Canal, below Lock No. 3	
1/26/2009	Pearl River	090205	Wilson Slough, Bogure Chitto to West Pearl River	Added mercury TMDL developed by Tetra Tech for EPA dated 9/17/2007.
		090206	Bradley Slough, Bogue Chitto to West Pearl River	
		090207	Middle River and West Middle River, West Pearl River to Little Lake	
		090207-5112	Morgan Bayou, headwaters near I-10 to Middle River	
		090501	Bogue Chitto, Mississippi state line to Pearl River Navigation Canal	
1/26/2009	Pearl River	090101	Pearl River, Mississippi state line to Pearl River Navigation Canal	Added fecal coliform TMDL developed by FTN Associates for EPA dated 3/31/20008.
		090104	Peters Creek, headwaters to Pearl River	
		090301	Pushepatapa Creek, Mississippi state line to Pearl River floodplain	
		090401	Bogue Lusa Creek, headwaters to Pearl River	
		090502	Big Silver Creek, headwaters to Bogue Chitto River	
		090505	Bonner Creek, headwaters to Bogue Chitto River	
		090506	Thigpen Creek, headwaters to Bogue Chitto River	
1/26/2009	Pearl River	090106	Holmes Bayou from the Pearl River to the West Pearl River	Added turbidity TMDL developed by FTN Associates for EPA dated 3/31/2008.
		090201	West Pearl River from headwaters to confluence with Holmes Bayou	

Revision Date	Basin	Subsegment(s)	Waterbody	Revision/Status
		090202	West Pearl River from confluence with Holmes Bayou to the Rigolets	
		090501	Bogue Chitto River from Mississippi state line to Pearl River Navigation Canal	
1/26/2009	Red River	100404	Cypress Bayou Reservoir	Added DO TMDL developed by FTN Associates for EPA dated 3/25/2008.
		100405	Black Bayou Reservoir	
1/26/2009	Red River	100406	Flat River	Added DO and Nutrients TMDL developed by FTN Associates for EPA dated 3/24/2008.
1/26/2009	Red River	100501	Bayou Dorcheat from Arkansas state line to Lake Bistineau	Added DO TMDL developed by FTN Associates for EPA dated 3/25/2008.
1/26/2009	Red River	100501	Bayou Dorcheat from Arkansas state line to Lake Bistineau	Added Mercury TMDL developed by FTN Associates for EPA dated 3/26/2008.
1/26/2009	Red River	100601	Bayou Pierre from headwaters to Bayou Pierre	Added DO and Nutrient TMDL developed by FTN Associates for EPA dated 3/21/2008.
1/26/2009	Red River	100602	Boggy Bayou from headwaters to Wallace Lake	Added DO and Nutrient TMDL developed by FTN Associates for EPA dated 3/24/2008.
1/26/2009	Red River	100605	Lake Edwards/Smithport Lake Watershed	Added DO and Nutrients TMDL developed by LDEQ and dated 6/13/2007.
1/26/2009	Red River	100702	Black Lake Bayou	Added DO TMDL developed by FTN Associates for EPA dated 3/25/2008.
		100703	Black Lake and Clear Lake	
		100803	Saline Bayou	
		101301	Bayou Rigolette	
		101302	Iatt Lake	
		101604	Lake Concordia	
1/26/2009	Sabine River	110401	Bayou Toro	Added DO TMDL developed by FTN Associates for EPA dated 3/21/2008.
1/26/2009	Sabine River	110501	West Anacoco Creek	Added DO and Nutrients TMDL developed by LDEQ and dated 11/15/2007.
1/26/2009	Terrebonne	120102	Bayou Poydras	Added DO and Nutrients TMDL developed by Tetra Tech for EPA dated 3/14/2008 and revised 9/30/2008.
		120103	Bayou Choctaw	
		120105	Chamberlin Canal	
		120106	Bayou Plaquemine	
		120107	Upper Grand River and Lower Flat River	
		120109	Intracoastal Waterway	
		120110	Bayou Cholpe	

Revision Date	Basin	Subsegment(s)	Waterbody	Revision/Status
		120202	Bayou Black	
		120204	Lake Verret and Grassy Lake	
		120304	Intracoastal Waterway; Houma to Larose	
		120403	Intracoastal Waterway; Bayou Boeuf Locks to Bayou Black in Houma	
1/26/2009	Terrebonne	120604	Bayou Blue	Added DO and Nutrients TMDL developed by Tetra Tech for EPA dated 3/14/2008 and revised 9/30/2008.
1/26/2009	Terrebonne	120205	Lake Palourde	Added pH TMDL developed by FTN Associates for EPA dated 3/25/2008.
		120402	Bayou Chene from Intracoastal Waterway to Bayou Penchant	
1/26/2009	Terrebonne	120206	Grand Bayou and Little Grand Bayou	Added BOD and Nutrients TMDL developed by LDEQ and dated 3/31/2008.
1/26/2009	Terrebonne	120206	Grand Bayou and Little Grand Bayou	Added TSS TMDL developed by Tetra Tech for EPA dated 3/14/2008.
1/26/2009	Terrebonne	120301	Bayou Terrebonne	Added BOD and Nutrients TMDL developed by LDEQ and dated 3/19/2008.
1/26/2009	Terrebonne	120302	Bayou Folse	Added BOD and Nutrients TMDL developed by LDEQ and dated 3/31/2008.
		120303	Bayou L'Eau Bleu	
1/26/2009	Terrebonne	120401	Bayou Penchant	Added DO and Nutrients TMDL developed by Tetra Tech for EPA dated 3/14/2008 and revised 9/30/2008.
		120404	Lake Penchant	
		120405	Lake Hatch and Lake Theriot	
		120406	Lake de Cade	
1/26/2009	Terrebonne	120504	Bayou Petit Caillou	Added BOD and Nutrients TMDL developed by LDEQ and dated 3/31/2008.
1/26/2009	Terrebonne	120505	Bayou Du Large	Added BOD and Nutrients TMDL developed by LDEQ and dated 5/11/2007.
1/26/2009	Terrebonne	120507	Bayou Chauvin	Added BOD and Nutrients TMDL developed by LDEQ and dated 7/18/2007.
1/26/2009	Terrebonne	120606	Bayou Blue	Added DO and Nutrients TMDL developed by Tetra Tech for EPA dated 3/14/2008.
1/26/2009	Terrebonne	120708	Lost Lake and Four League Bay	Added DO and Nutrients TMDL developed by FTN Associates for EPA dated 3/25/2008.

Revision Date	Basin	Subsegment(s)	Waterbody	Revision/Status
1/26/2009	Terrebonne	120709	Bayou Petite Caillou	Added DO and Nutrients TMDL developed by FTN Associates for EPA dated 3/24/2008.

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LOUISIANA WATER QUALITY MANAGEMENT PLAN

WASTELOAD ALLOCATIONS AND DISCHARGER INVENTORY

INTRODUCTION

This volume of the Louisiana Water Quality Management Plan (the Plan) includes the policies and guidelines which form the basis for the effluent limitations set forth in Louisiana Department of Environmental Quality (LDEQ) wastewater discharge permits. In order to meet the requirements of Federal Water Quality Planning and Management regulations, 40 CFR Part 130, policies have been developed and/or wasteload allocations established through water quality modeling efforts, and these are described within this document. Based upon these policies or wasteload allocations, effluent limits are established to ensure that water quality standards are met and designated uses are protected in the receiving streams. The effluent limits and policies contained herein supersede those contained in previous editions of the Louisiana Water Quality Management Plan.

Any facility which is discharging into any waters of the state is required by law to apply for a wastewater discharge permit. All dischargers must submit a permit application to the LDEQ, Office of Environmental Services, Permits Division.

For the purpose of identifying those waterbodies which are not meeting water quality standards, an analysis of current water quality data is performed for all ambient water quality monitoring sites every two years. Utilizing this data analysis, the State prioritizes those waterbodies for development of total maximum daily loads (TMDLs) and wasteload allocations. Some of these waterbodies may require implementation of additional control measures to meet water quality standards. Those waterbodies which are not meeting applicable water quality standards are classified as *water quality limited*. The main stems of the Atchafalaya River (segments 0101, 0102, 0105, 0108), the Red River (segments 1001, 1002), and the Mississippi River (segments 0701, 0702, 0703) are classified as effluent limited. These major rivers are classified as effluent limited because they are expected to meet applicable water quality standards due to their large assimilative capacity. Sanitary waste treatment facilities which discharge directly into one of these major rivers or into any river, bayou, canal, or distributary of one of these rivers having a 7Q10 flow greater than or equal to the minimum 7Q10 flow of any of these three rivers are required to meet secondary levels of treatment. All other waterbodies of the state are classified based upon the assessment of current water quality data; these classifications are provided in the State's biennial water quality report, known as the *305(b) Report* or *the Integrated Report*. Facilities discharging into water quality limited waterbodies will be assigned effluent limits on a case-by-case basis as TMDLs are

developed. These classifications will be revised as data becomes available which, upon evaluation, justifies a change in classification.

The assignation of effluent limitations is based on the designated uses of the receiving waterbody, the water quality in the area, the number and type of discharges to the waterbody, and the assimilative capabilities on the waterbody in question. The State has a number of assignation policies which are used to address these and other pertinent factors in decisions regarding the preservation of water quality. The procedural conditions applied in the development of effluent limits for discharge permits are explained below.

(1) ANALYTICAL BASIS FOR DEVELOPMENT OF EFFLUENT LIMITS FOR SANITARY WASTEWATER TREATMENT FACILITIES

All facilities (unless in an area specifically identified in the Areawide Policies or TMDL Based Limitations) with discharge flows of 25,000 gallons per day (GPD) or less are normally assigned secondary levels of treatment. Facilities with flow greater than 25,000 GPD are assigned limits based on the Statewide Sanitary Effluent Limitations Policy located in Appendix B. As time permits and TMDLs are developed, such facilities may be assigned limits on a case-by-case basis. In its assessment of discharges and development of necessary effluent limits the LDEQ may use the expected flow of discharge rather than the design capacity of the facility.

For permit writing purposes, the total suspended solids (TSS) effluent limitations shall be based on a case-by-case evaluation of the treatment technology utilized. Since there is no numeric water quality criterion for TSS, these limitations are not water quality based. However, under no circumstances shall final TSS effluent limitations be less stringent than secondary treatment levels as defined in LAC 33:IX.709.

Appendix C contains policies for the establishment of permit conditions for those wastewater treatment facilities accepting hauled domestic septage.

(2) INDIVIDUAL DISCHARGE ANALYSIS

It is to be noted that the limits applied in this plan are minimum limits. The LDEQ reserves the right to perform individual analyses for any particular discharge should such analyses be warranted based upon the LDEQ's assessment of ambient conditions, chemical characteristics and/or physical characteristics of the effluent being discharged. The LDEQ also reserves the right to assign an effluent limitation based upon the individual analysis, regardless of any previously established effluent limitation. Should any discharger be dissatisfied with the effluent limitation assigned in the Plan, the individual discharger may request alternate permit limits by performing an individual analysis which is supervised and approved by the Department. The

discharger will be responsible for meeting any limit assigned through the execution of a subsequent individual analysis (wasteload allocation/total maximum daily load –TMDL-determination), regardless of whether the latter limit is more or less stringent than that which currently appears in the Plan. In all cases the LDEQ will follow standard procedures required for public review and comment for the effluent limits.

(3) AGGREGATE AREAL DISCHARGE FLOWS

The allocations appearing in the Plan normally apply to discharges which impact a receiving stream as single point sources. It may occasionally happen that a concentration of small dischargers have resulted in a total discharge to a common waterbody in such a manner that the combined water quality impact approximates that of a single point source discharge of considerably greater magnitude than any of the individual dischargers. In such a case, the LDEQ reserves the right to assign effluent limits to each individual discharge within the impacted area as though its flow were equal to the aggregate discharge flow of the discharger within that area. This procedure will be used for facilities whose individual discharge volumes are 25,000 GPD or less. Some examples of such cases are: a residential subdivision in which each residence has its own treatment facility; a number of subdivision treatment facilities in close proximity to one another; or, a group of commercial facilities such as restaurants, gas stations, office buildings, trailer parks, etc., each having its own treatment facility.

(4) INDUSTRIAL EFFLUENT LIMITATIONS

Effluent limitations set forth in industrial wastewater discharge permits are based upon approved EPA effluent guidelines for a facility type, if available, or best available technology/ best practicable technology when guidelines are not available. Certain types of minor industrial facilities are covered by LDEQ general permits. All industrial facilities permitted as such are subject to permit reissuance in the event that a TMDL is developed for the receiving stream into which they discharge. Wasteload allocations based upon an approved TMDL will result in water-quality-based effluent limitations which may be more stringent than technology-based limits. If it is otherwise determined by the LDEQ that a water-quality-based permit is required, then the effluent limitations will be derived according to the guidelines described in the *Permitting Guidance Document for Implementing Louisiana Surface Water Quality Standards, Volume 4 of the Water Quality Management Plan*.

(5) COMPLIANCE SCHEDULES

The LDEQ will assign compliance schedules for dischargers which are currently operating treatment facilities under the authority of a wastewater discharge permit, but whose effluent limits do not currently appear in the certified

State Water Quality Management Plan. The compliance schedule will detail the timeframe within which each permitted facility must upgrade its treatment level to conform to that indicated by subsequent wasteload allocations.

The LDEQ will implement finalized total maximum daily loads (TMDLs) in permits to require that the limits for point sources established in TMDLs be achieved:

i Immediately upon issuance of an LPDES permit to a new discharge[1] (including but not limited to new discharges and expanded/increased discharges at existing facilities) after the TMDL has been finalized; and

ii By every point source discharging pursuant to an existing permit within the earlier of three years from the effective date of the first renewal permit after the TMDL is finalized or six years from the finalization date of the TMDL, whichever occurs first."

[1] For the purposes of this section, the term new discharge shall be defined as the commencement of construction subsequent to finalization of an applicable TMDL.

These policies are located as appendices at the end of this document and are as follows:

Appendix A: (AELP) - This appendix contains a list of areawide policies for waterbody segments.

Appendix B: (SELP) - This appendix contains policies for establishing effluent limitations for sanitary wastewater treatment facilities which supersede limits assigned in the original 1980 Basin Plans.

Appendix C: Acceptance of Hauled Domestic Septage at Sanitary Wastewater Treatment Facilities. This appendix contains policies for the establishment of permit conditions for those sanitary wastewater treatment facilities which accept hauled domestic septage into the treatment facility.

ATCHAFALAYA RIVER BASIN

TMDLs/WLAs

1. **EPA's Mercury TMDL for Coastal Waters of Atchafalaya River Basin for**

Subsegments
010901
021102
042209
070601
110701
120806

http://www.epa.gov/earth1r6/6wq/npdes/tmdl/latmdl/2005tmdls/6hgtmdls605f.pdf

2. **EPA's Mercury TMDL for the West Atchafalaya Basin Floodway for**

Subsegments
010301
010401
010501
(4/8/2010 Federal Register Volume 75, Number 67)

http://www.epa.gov/region6/water/npdes/tmdl/2010/la/final/7atcha_hg_ftmdlsmar2010.pdf

3. **EPA's Dissolved Oxygen TMDL for the West Atchafalaya Basin Floodway – Simmesport to Butte La Rose Bay and Henderson Lake for Subsegment 010301**
(4/8/2010 Federal Register Volume 75, Number 67)

http://www.epa.gov/region6/water/npdes/tmdl/2010/la/final/7atcha_do_ftmdlmar2010.pdf

4. **EPA's Chloride, Sulfate, and Total Dissolved Solids TMDL for Crow Bayou, Bayou Blue and Tributaries for Subsegment 010601**
(4/8/2010 Federal Register Volume 75, Number 67)

http://www.epa.gov/region6/water/npdes/tmdl/2010/la/final/7atcha_minerals_ftmdsmar2010.pdf

BARATARIA BASIN

TMDLs/WLAs

Subsegment 020101
Bayou Verret, Bayou Chevreuil, Bayou Citamon, and Grand Bayou
TMDL for Biochemical Oxygen-Demanding Substances
Revised by FTN due to Criteria Change
Approved by EPA on 4/18/2011
Document Date: 11/22/2010

http://www.deq.louisiana.gov/portal/portals/0/technology/tmdl/pdf/Final_Revised_VerretChevreuilCitamonGrand_020101_TMDL_11-22-10.pdf

Table ES.1. TMDL for Subsegment 020101 (Sum of CBODu, NBODu, and SOD).

	Summer (March-Nov)		Winter (Dec-Feb)	
	Reduction	Load (kg/day)	Reduction	Load (kg/day)
Point Source WLA	0%	81	0%	81
Point Source Reserve MOS (20%)		20		20
Natural Nonpoint Source LA	0%	4259	0%	3091
Natural Nonpoint Source MOS (0%)		0		0
Man-made Nonpoint Source LA	76.6%	712	76%	577
Man-made Nonpoint Source MOS (20%)		179		144
TMDL	--	5251	--	3913

Table 2.3. Information for point source discharges in subsegment 020101.

AI No. / Permit No.	Company	Permit Expiration Date	Facility	UTM Coordinates	Facility Type	Location	Receiving Water	Expected flow (MGD)	Permit BOD_5 Limit*	Modeling comments
31020 / LAG540340	GREENBRIAR SEWER INC	07/01/2013	GREENBRIAR SUBD.	3320819.595686 88394.17644	Small Community Wastewater System	Hwy 70 Plattenville, LA 70393	BAYOU VERRET	0.012	Monthly Average 30 mg/L	Not in model but in TMDL
43365 / LAG540673	ST JAMES FACILITIES CORP	03/01/2008	ST JAMES YOUTH CTR	3331017.511516 92486.29922	YOUTH DETENTION & REHAB CENTER	DONALDSONVILLE 10565 YOUTH CNTR DR	Unnamed ditch to Bayou Verret	0.0111	Monthly Average 30 mg/L	Not in model but in TMDL
19233 / LAG540680	ST JAMES PH HOUSING AUTHORITY	07/01/2013	HYMEL HOUSING PROJ/ WELCOME	3327233.75729 705454.73704	STP	8234 Mill Street, James, LA 70086	Local drainage to Bayou Chevreuil	0.0123	Monthly Average 30 mg/L	Not in model but in TMDL
9217 / LAG530788	Valero Marketing & Supply Co.	12/01/2012	Donaldsonville Asphalt Terminal	3331539.295617 00541.67674	ASPHALT BLENDING & STORAGE	DONALDSONVILLE HWY 18 @ SUNSHINE BR	Local drainage to Bayou Verret	0.0006	Weekly Average 45 mg/L	Not in model but in TMDL
32798 / LA0054674	Shell Pipeline Co LP	02/01/2015	Sugarland Pipeline Station/ Terminal	3434684.18868 550162.30005	Pipeline Station/Terminal	6525 Dept of Energy Rd	Burton Lane ditch to St. James Canal	0.0017	Monthly Average 30 mg/L	Not in model but in TMDL
9292 / LA0077178	Shell Pipeline Co LP	03/01/2009	St. James Capline Terminal	3429317.10823 551150.19064	Pipeline Station/Terminal	6770 Louisiana Hwy 18	Burton Lane Ditch to St. James Canal	0.001	Weekly Average 45 mg/L	Not in model but in TMDL

*NOTE: No permits in the 020101 subsegment have either ammonia or DO limits, only BOD. Also, no permit limit modifications were required for the 2010 revision.

Table 2.3 Continued. Information for point source discharges in subsegment 020101.

AI No. / Permit No.	Company	Permit Expiration Date	Facility	UTM Coordinates	Facility Type	Location	Receiving Water	Expected flow (MGD)	Permit BOD_5 Limit*	Modeling comments
90209 / LA0115274	A La Carte Foods Inc	09/01/2014	A La Carte Foods Inc – Paincourtville	3373954.6071 545474.091445	Cooked Foods Manufacturing Facility	278 Ideal Street, Paincourtville	Baker Canal North to Baker Canal East to Bayou Verret	0.0015	Monthly Average 30 mg/L	Not in model but in TMDL
52398 / LAG531062	ExxonMobil Pipeline Co	12/01/2012	St. James Facility	3430351.573 549033.182191	Pipeline Pumping Station	6725 Locap Rd	Saint James Cana	0.00004	Weekly Average 45 mg/L	Not in model but in TMDL
81568 / LAG531567	Oak Alley Plantation	12/01/2012		3457254.92892 547466.184472	Plantation home, Cottages, Restaurant, & Maintenance Building	3645 Hwy 18, Vacherie, LA	Bayou Chevreuil	0.00468	Monthly Average 30 mg/L	Not in model but in TMDL
78125 / LAG531602	Popingo's #11	12/01/2012	Popingo's #11 St. James, LA	3408494.82345 579947.831888	Convenience Store	10493 Hwy 70 W, St. James, LA	Bayou Verret	0.0264	Monthly Average 30 mg/L	Not in model but in TMDL
152842 / LAG532366	Assumption Parish Police Jury	12/01/2012	LSU Ag Center Office	3384704.15563 521192.234917	Office Building	119 Robin St, Napoleonville, LA	Baker Canal North to Bayou Chevreuil	0.00012	Weekly Average 45 mg/L	Not in model but in TMDL
164487 / LAG533167	Alliance Hospitality, LLC	12/01/2012	Comfort Inn - Donaldsonville	3406867.55791 580210.593845	Hotel	2275 Hwy 70, Donaldsonville, LA	Bayou Verret	0.00303	Monthly Average 30 mg/L	Not in model but in TMDL

*NOTE: No permits in the 020101 subsegment have either ammonia or DO limits, only BOD. Also, no permit limit modifications were required for the 2010 revision.

Table 2.3 Continued. Information for point source discharges in subsegment 020101.

AI No. / Permit No.	Company	Permit Expiration Date	Facility	UTM Coordinates	Facility Type	Location	Receiving Water	Expected flow (MGD)	Permit BOD_5 Limit*	Modeling comments
38146 / LAG540140	Assumption Parish Police Jury	07/01/2013	Violet Street Sewerage District	3404467.23117 488901.516975	Small Community Wastewater System	Violet St, Ladadieville LA	Bayou Verret	0.02	Monthly Average 30 mg/L	Not in model but in TMDL
155505 / LAG541654	XSUM LLC	07/01/2013	Supreme Inn & Suites	3409120.87547 579646.831036	Motel	10441 Hwy 70 Access Rd St. James, LA	Bayou Verret	0.0063	Monthly Average 30 mg/L	Not in model but in TMDL
40631 / LAG560092	Assumption Parish Police Jury	06/01/2014	Lewisville Sewage District	3373913.0647 558542.243584	Small Community Wastewater System	228 Grisaffe Ln	Baker Canal to Bayou Verret	0.03	Monthly Average 20 mg/L	Not in model but in TMDL
23416 / LAG560181	Ascension Parish Sheriff's Office	06/01/2014	Ascension Parish Jail	3406091.33996 581469.084846	Jail	2384 Lemanville Cutoff Rd	Bayou Verret	0.04	Monthly Average 20 mg/L	Not in model but in TMDL
120289 / LAG570493	Ascension Parish Sheriff's Office	05/01/2014	Ascension Parish Expansion Jail	3407407.602 582060.621847	Jail	2384 Lemanville Cutoff Rd	Bayou Verret	0.035	Monthly Average 10 mg/L	Not in model but in TMDL

*NOTE: No permits in the 020101 subsegment have either ammonia or DO limits, only BOD. Also, no permit limit modifications were required for the 2010 revision.

Bayou Boeuf, Halpin Canal, and Theriot Canal (Subsegment 020102) and Lake Boeuf (Subsegment 020103)
TMDL for Biochemical Oxygen-Demanding Substances
Revised by FTN due to Criteria Change
Approved by EPA on 7/29/2011
Document Date: 11/23/2010

http://www.deq.louisiana.gov/portal/portals/0/technology/tmdl/pdf/Final_Rev_Beouf_DO_TMDL_rprt_06022011.pdf

Table ES.1. TMDL for subsegment 020102 (sum of CBODu, NBODu, and SOD).

	Summer (March-Nov)		Winter (Dec-Feb)	
	Reduction	**Load (kg/day)**	**Reduction**	**Load (kg/day)**
Point Source WLA	0%	190	0%	190
Point Source Reserve MOS (20%)		48		48
City of Thibodaux MS4 WLA (Nonpoint Loads)	--	9	--	5
City of Thibodaux MS4 MOS (Nonpoint Source Reserve MOS) (20%)	--	2	--	1
Natural Nonpoint Source LA	0%	4336	0%	3471
Natural Nonpoint Source MOS (0%)		0		0
Man-made Nonpoint Source LA	88%	719	91%	444
Man-made Nonpoint Source MOS (20%)		180		111
TMDL	--	5484	--	4270

Table ES.2. TMDL for subsegment 020103 (sum of CBODu, NBODu, and SOD).

	Summer (March-Nov)		Winter (Dec-Feb)	
	Reduction	**Load (kg/day)**	**Reduction**	**Load (kg/day)**
Point Source WLA	0%	0	0%	0
Point Source Reserve MOS (20%)		0		0
Natural Nonpoint Source LA	0%	14291	0%	13360
Natural Nonpoint Source MOS (0%)		0		0
Man-made Nonpoint Source LA	88%	12	91%	9
Man-made Nonpoint Source MOS (20%)		3		2
TMDL	--	14306	--	13371

Table 2.3. Information for point source discharges in subsegment 020102.

AI No. / Permit No.	Company	Permit Expiration Date	Facility	UTM Coordinates	Facility Type	Location	Receiving Water	Expected flow (MGD)	Permit BOD_5 Limit*	Modeling Comments
42140 / LAG530824	LA DOTD	12/01/2012	KRAEMER BRIDGE	3514844.70481 498724.959472	BRIDGE HOUSE	KRAEMER ACROSS BAYOU BOEUF ON LA 307	BAYOU BOEUF	0.0025	45 mg/L weekly	Included in model and TMDL
42206 / LAG560186	LAFOURCHE PAR COUNCIL	06/01/2014	LEWISTOWN COMM STP;WMS ST-PHASE III	3509457.98627 453344.441832	"STP 45,000 GPD"	"RACELAND, ON LA 308-WILLIAMS ST"	FORTY ARPENT CANAL	0.05	20 mg/L monthly, 30 mg/L weekly	Not in model but included in TMDL
42212 / LAG530320	LAFOURCHE PAR SCH BD	12/01/2012	BOEUF ELEM SCH	3516078.76401 498296.622424	PUBLIC SCH	THIBODAUX 1710 HWY 307	BAYOU BOEUF	0.005	45 mg/L weekly	Included in model and TMDL
40764 / LAG530625	BELLSOUTH	12/01/2012	BELLSOUTH CHACKBAY J3337	3452477.14105 504453.136628	TELEPHONE & EQUIP INSTALLATION	CHACKBAY LA HWY 20	GRAND BAYOU (via an unnamed tributary)	0.0005	45 mg/L weekly	Not in model but included in TMDL
43544 / LAG560077	THOROUGHBRED PARK SVC CORP	06/01/2009	HALF OAK SUBD	3453682.34698 474485.265868	3-CELL O.P.	"THIBODAUX, LA 308 1.5 MI S OF CANAL BLVD"	40 ARPENT CANAL-B LAFOURCHE	0.05	20 mg/l, 30 mg/l	Not in model but included in TMDL
18790 / LAG540736	THOROUGHBRED PARK SERVICE CORP	07/01/2008	BEAU CHENE SUBD	3451337.33243 475352.055474	"24,000 GPD 2-CELL O.P."	"THIBODAUX,1 M S OF CANAL BLVD ON HWY 308"	40 ARPENT CANAL-B LAFOURCHE	0.025	30 mg/l, 45 mg/l	Not in model but included in TMDL
5149 / LAG530321	Lafourche Parish School Board	12/01/2012	Chackbay Elementary School	3447209.03667 501746.506116	School	101 School Ln, Thibodaux, LA	Ditch to Bayou Onion to Grand Bayou	0.003793	45 mg/L weekly	Included in model and TMDL

Table 2.3 Continued. Information for point source discharges in subsegment 020102

AI No. / Permit No.	Company	Permit Expiration Date	Facility	UTM Coordinates	Facility Type	Location	Receiving Water	Expected flow (MGD)	Permit BOD_5 Limit*	Modeling Comments
117885 / LAG531951	Loupe LLC	12/01/2012	Trudy's Restaurant	3513338.6169 498840.578342	Restaurant	3966 Hwy 307	Bayou Boeuf	0.001895	45 mg/L weekly	Included in model and TMDL
140855 / LAG532096	Rajun Cajun Daiquiris LLC	12/01/2012		3454414.34646 505601.913156	Restaurant	1222 Hwy 20	Grand Bayou	0.00077	45 mg/L weekly	Not in model but included in TMDL
87723 / LAG540363	Housing Authorithy of Lafourche Parish	07/01/2013	Triple Oaks Streeet Facility	3507862.44333 451630.153355	WWTP	Triple Oaks Street, Raceland LA	Bowie Canal to Bayou Boeuf	0.0147	30 mg/L monthly, 45 mg/L weekly	Not in model but included in TMDL
19452 / LAG540365	Lafourche Parish Housing Authority	07/01/2013	Orange Grove Project	3446676.60101 489084.157774	WWTP	LA Hwy 20	80 Arpent Canal to St James Canal to Bayou Boeuf	0.013	30 mg/L monthly, 45 mg/L weekly	Not in model but included in TMDL
42220 / LAG540461	Lafourche Parish School Board	07/01/2013	Sixth Ward Middle School	3463619.01493 495646.432383	School	795 Choctaw Rd	Grand Bayou	0.00578	30 mg/L monthly, 45 mg/L weekly	Not in model but included in TMDL
43997 / LAG540794	Woodland Heights Mobile Home Park	07/01/2013		3448323.25808 490319.631157	Mobile Home Park	Hwy 20 Thibodaux, LA	St James Canal to Bayou Boeuf	0.0195	30 mg/L monthly, 45 mg/L weekly	Not in model but included in TMDL
109955 / LAG541142	Oak Pointe Subdivision	07/01/2013		3479682.11219 453635.465465	WWTP	Hwy 308 & Oak Pointe Dr	Halpin Canal to Bayou Boeuf to Lake Boeuf	0.0076	30 mg/L monthly, 45 mg/L weekly	Not in model but included in TMDL

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Table 2.3 Continued. Information for point source discharges in subsegment 020102

AI No. / Permit No.	Company	Permit Expiration Date	Facility	UTM Coordinates	Facility Type	Location	Receiving Water	Expected flow (MGD)	Permit BOD_5 Limit*	Modeling Comments
18983 / LAG560055	Grand Bayou Mobile Home Park	06/01/2014		3457616.70113 510398.082682	Mobile Home Park	Grand Dr off Hwy 20	Bayou Chevreuil to Lac Des Allemands	0.0408	20 mg/L monthly, 30 mg/L weekly	Not in model but included in TMDL
52439 / LAG560239	Total Environmental Solutions Inc	06/01/2014	Twelve Cedars Sewerage Corp	3449220.78146 477141.196909	WWTP	Hwy 308, Thibodaux, LA	40 Arpent Canal to Grand Bayou to Lake Boeuf	0.0384	20 mg/L monthly, 30 mg/L weekly	Not in model but included in TMDL
42203 / LAG560241	Lewiston Community Sewage Project	06/01/2014	Brocato Lane	3509520.38593 453408.574816	WWTP	Brocato Lane, Raceland LA	Halpin Canal	0.0444	20 mg/L monthly, 30 mg/L weekly	Not in model but included in TMDL
42207 / LAG560242	Lewiston Community Sewage Project	06/01/2014	Triple Oaks Street Phase II	3509390.38669 453242.175791	WWTP	At the end of Williams St.	Halpin Canal	0.028	20 mg/L monthly, 30 mg/L weekly	Not in model but included in TMDL
41679 / LAG570147	Superior Sewerage Corp	05/01/2014	Sugar Ridge Subdivision	3442157.00407 490796.844434	WWTP	3.9 Mi N of LA 308 & LA 20	Ditch to Bayou Onion to Grand Bayou	0.08	10 mg/L monthly, 15 mg/L weekly	Not in model but included in TMDL
149073 / LAG570412	Abby Lakes LLC	05/01/2014	Abby Lakes Subdivision	3438133.68222 479799.05354	WWTP	121 Lake Howard Dr	Ditch to Bayou Onion to Grand Bayou	0.0532	10 mg/L monthly, 15 mg/L weekly	Not in model but included in TMDL
41762 / LAG570483	Total Environmental Solutions Inc	05/01/2014	Highland Lakes Subdivision	3437698.39635 475305.778419	WWTP	Northlake Dr, off Hwy 308	Ditch to Bayou Onion to Grand Bayou	0.0532	10 mg/L monthly, 15 mg/L weekly	Not in model but included in TMDL

Table 2.3 Continued. Information for point source discharges in subsegment 020102

AI No. / Permit No.	Company	Permit Expiration Date	Facility	UTM Coordinates	Facility Type	Location	Receiving Water	Expected flow (MGD)	Permit BOD_5 Limit*	Modeling Comments
22365 / LAG560016	Abby Plantation Estates	06/01/2014	Abby Sanitary Sewerage Corp	3439820.72308 481141.912292	WWTP	NE side of 40 Arpent Rd	Ditch to Bayou Onion to Grand Bayou	0.0148	20 mg/L monthly, 30 mg/L weekly	Not in model but included in TMDL
108427 / LAR041011	City of Thibodaux	12/05/2012	Small Municipal Separate Storm Sewer System (MS4)	N.A.	MS4	N.A.	N.A.	N.A.	N.A.	Not in model but included in TMDL

*NOTE: No permits in the 020102 subsegment have either ammonia or DO limits, only BOD. Also, no permit limits need to be modified as a result of these TMDLs.

Fecal Coliform TMDLs
For
Barataria Basin Subsegments

020401

Bayou Lafourche

http://www.epa.gov/earth1r6/6wq/ecopro/latmdl/lafourche_fctmdl052104_f.pdf

020701

Bayou Segnette

http://www.epa.gov/earth1r6/6wq/ecopro/latmdl/segnette_%20fctmdl052104_f.pdf

EPA's Hg TMDL for Coastal Waters of Barataria Basin

http://www.epa.gov/earth1r6/6wq/npdes/tmdl/latmdl/2005tmdls/6hgtmdls605f.pdf

Subsegments

010901
021102
042209
070601
110701
120806

020201

Bayou des Allemands

EPA's TMDL for BOD and Nutrients

http://www.epa.gov/earth1r6/6wq/npdes/tmdl/latmdl/2005tmdls/020201desalledonut_tmdl305f.pdf

020301

Bayou des Allemands

TMDL for BOD

TMDL for Bayou des Allemands (Sum of CBODu, NBODu, and SOD).

	Summer (May-Oct)		Winter (Nov-Apr)	
	Reduction	Load (kg/day)	Reduction	Load (kg/day)
Point Source WLA	0%	16	0%	16
Point Source Reserve MOS (20%)		4		4
Natural Nonpoint Source LA	0%	37374	0%	32756
Natural Nonpoint Source MOS (0%)		0		0
Man-made Nonpoint Source LA	86%	2251	0%	12499
Man-made Nonpoint Source MOS (20%)		563		3125
TMDL	--	40208	--	48400

Information for point source discharges in subsegment 020301.

FILE NUMBER	COMPANY	FACILITY TYPE	LOCATION	RECEIVING WATER	EXPECTED FLOW (MGD)	BOD5 LIMIT (MG/L)
LAG750349	Phat Daddy's	Commercial Car Wash	"Raceland, 1556 Hwy 90 e, lot #9"	"Godchaux Canal, via local drainage"		
LA0003239	Raceland Raw Sugars Corporation	"Sugar Mill, Raw Sugar & Molass"	"Raceland, Hwy 3199 & Mill St"	Godchaux Canal		Average 10
LAG540909	Gibbens & Lefort Inc Presto Fuel Center LLC	Truck Stop/Convenien ce Store/Rrest	"Raceland, on Hwy 90 e; 3 m e of LA 1"	Godchaux Canal	0.0075	Average 30
LAG530277, WG-010101	Judy's Trailer Park	"1,800 gpd Mechanical STP"	"des Allemands, Hwy 90"	Unnamed canal-Bayou des Allemands	0.0018	
WG110021	Somme's Lucky 7 Truck Stop	Service Station	des Allemands, 4298 Hwy 90			

020303

Lake Cataouatche

EPA's TMDL for BOD and Nutrients

http://www.epa.gov/earth1r6/6wq/npdes/tmdl/latmdl/2005tmdls/020303cataoudonut_tmdl305f.pdf

020401

Bayou Lafourche

EPA's TMDL for BOD

http://www.epa.gov/earth1r6/6wq/npdes/tmdl/latmdl/2005tmdls/blafourdo_nut020401f.pdf

020501

Main Canal and Ancillary Canals

TMDL for BOD

TMDL for Main Canal (Sum of CBODu, NBODu, and SOD).

	Summer (May-Oct)		Winter (Nov-Apr)	
	Reduction	Load (kg/day)	Reduction	Load (kg/day)
Point Source WLA	0%	268	0%	268
Point Source Reserve MOS (20%)		67		67
Natural Nonpoint Source LA	32%	287	2%	389
Natural Nonpoint Source MOS (0%)		0		0
Man-made Nonpoint Source LA	100%	0	100%	0
Man-made Nonpoint Source MOS (20%)		0		0
TMDL	--	622	--	724

Discharger Information for 020501

File Number	Company	Facility	Facility Type	Receiving Water	Expected Flow (Mgd)	Bod5 (Mg/L)	Tss (Mg/L)
La0093157	Southern Recovery Mgmt Inc	Greater New Orleans Landfill	Sanitary Landfill	Dusuaus Canal, Sellers Canal - B Verret - Lake Cataouatche	--	Avg 30, Max 45	Avg 90, Max 135
						Avg 30, Max 45	Avg 90, Max 135
La0099473	River Birch Inc	River Birch Landfill	Sanitary Landfill	Sauls Canal - Waggaman Canal - Outfall Canal - Lake Cataouatche	0.23+	Avg 30, Max 45	Avg 30, Max 45
						Avg 45	--
La0072214	Browning-Ferris Ind (Bfi)	Area Ninety Landfill, Inc	Sanitary Landfill	Inner Cataouatche Drainage C – Outer Cataouatche Drainage C - B Verret - Lake Cataouatche	--	Avg 30, Max 45	Avg 90, Max 135
La0059871	Paktank Corp	Westwego Terminal	Liquid Bulk Terminal Stormwate	Bayou Segnette (Via Canals And Ditches Within Subsegment 020501)	--	--	Max 90

La0089052	Jefferson Ph Dept Of Public Works	Jefferson Ph Ldfl	Landfill	Waggaman Canal - Outfall Canal - Lake Cataouatche	--	Avg 30, Max 45	Avg 90, Max 135

020701

Bayou Segnette

TMDL for BOD

TMDL for Bayou Segnette (Sum of CBODu, NBODu, and SOD).

	Summer (May-Oct)		Winter (Nov-Apr)	
	Reduction	Load (kg/day)	Reduction	Load (kg/day)
Point Source WLA	0%	1	0%	1
Point Source Reserve MOS (20%)		0		0
Natural Nonpoint Source LA	34%	9589	0%	12075
Natural Nonpoint Source MOS (0%)		0		0
Man-made Nonpoint Source LA	100%	0	71%	3091
Man-made Nonpoint Source MOS (20%)		0		773
TMDL	--	9590	--	15940

Information for point source discharges in subsegment 020701

File Number	Company	Facility	Facility Type	Receiving Water	Expected flow (MGD)	BOD5 (mg/L)
LAG530881	Master Lube of LA, Inc.		Oil Lube Cntr	Estelle Canal	0.001	45
LAG530921	Jefferson Parish Dept. Drainage Pump Sta.	Ames Pump Sta.	Drainage Pump Station	Bayou Segnette (via Millaudon Canal)	0.00008	45
LAG110008	Lafarge Construction Materials	Westbank Plant	Ready Mix Concrete Plant	Bayou Segnette		
LA0108022	Hilcorp Energy Co.		Oil/Gas Exp. Prod. &Dev.	B. Segnette, Dugas C, Outer Cataouatche		
LAG530923	Jefferson Parish Dept. Drainage Pump Sta.	Westminster Lincolnshire Pump Sta.	Drainage Pump Station	Bayou Segnette (via unnamed canal)	0.00008	45

CALCASIEU RIVER BASIN

TMDLs/WLAs

Subsegment 030101
Calcasieu River TMDL for Fecal Coliform Bacteria
Developed by Tetra Tech for LDEQ
Approved by EPA on 3/7/2011
Document Date: 10/5/2010

http://www.deq.louisiana.gov/portal/portals/0/technology/tmdl/pdf/Final_LDEQ_Fecal_030101_093010.pdf

Table ES-1. Summary of fecal coliform bacteria TMDL for Calcasieu River

Season	TMDL (MPN/day)	WLA (MPN/day)	LA (MPN/day)	Explicit MOS (MPN/day)	Percent reduction
Winter	4.25E+12	6.62E+08	3.40E+12	8.49E+11	90%
Summer	2.96E+11	6.62E+08	2.36E+11	5.93E+10	89%

Note: MPN = most probable number.

Table 3-2. WLA summary for subsegment 030101

AI #	Permit #	Outfall	Facility name	Outfall type	Flow type	Flow (GPD)	FCB limit type[1]	Limit (MPN/100 mL)	Load (MPN/d)
40808	LAG530087	001	Blansett Apts	treated sanitary wastewater	calculated	1,250	weekly ave.	400	1.87E+07
							monthly ave	none	
86490	LAG750352	001	Chad's Cowboy Car Clinic	vehicle and equipment washwater	not avail.		none		
		002		treated sanitary wastewater	permit max	5,000	weekly ave.	400	7.57E+07
							monthly ave	none	
		003		treated sanitary wastewater	permit max	25,000	weekly ave.	400	3.79E+08
							monthly ave.	200	1.89E+08
		004		vehicle wash and sanitary wastewater	permit max	25,000	daily max.	400	3.79E+08
							weekly ave.	none	

AI #	Permit #	Outfall	Facility name	Outfall type	Flow type	Flow (GPD)	FCB limit type[1]	Limit (MPN/100 mL)	Load (MPN/d)
							monthly ave.	none	
		005		wastewaters from portable washing operations	not avail.		none		

[1]Individual WLAs are calculated using the most stringent limit. Other limits and loads are presented for the reader's information only.
Note: MPN = most probable number.

TMDL for Lead
for
Calcasieu River

030101, 030102, 030103

TMDL for lead = 0.287 lb/day

WLA = 0

LA = 0.229 lb/day

030103

Kinder Ditch

Wasteload Allocation (WLA)

Facility: Town of Kinder STP

LPDES # LA0020605

Effluent Limits: Summer 5 mg/L $CBOD_5$/ 2 mg/L NH_3-N/ 6 mg/L DO
Winter 10 mg/L $CBOD_5$/ 10 mg/L NH_3-N/ 6 mg/L DO

EPA's Calcasieu River Basin TMDLs for Selected Toxics
Court order (7/17/12) to vacate copper and mercury TMDLS for Subsegments 030301 and 030901
Report Revised by LDEQ
Document Date: 5/28/13

Subsegments
030301
030302
030303
030304
030305
030306
030401
030402
030901

LDEQ EDMS Document Numbers:
8897344 (Report and Executive Summary)
8897639 (Appendices A-J)

Fecal Coliform TMDLs
For
Calcasieu River Basin Subsegments

030305 Contraband Bayou

http://www.epa.gov/region6/water/ecopro/latmdl/fccontraband(f).pdf

Subsegment 030501
Whiskey Chitto CreekTMDL for Fecal Coliform Bacteria
Developed by Tetra Tech for LDEQ
Approved by EPA on 3/7/2011
Document Date: 10/5/2010

http://www.deq.louisiana.gov/portal/portals/0/technology/tmdl/pdf/Final_LDEQ_Fecal_030501_093010.pdf

Table ES-1. Summary of fecal coliform bacteria TMDL for Whiskey Chitto Creek

Season	TMDL (MPN/day)	WLA (MPN/day)	LA (MPN/day)	Explicit MOS (MPN/day)	Percent reduction
Winter	2.95E+12	2.17E+10	2.33E+12	5.89E+11	33%
Summer	2.82E+11	2.17E+10	2.04E+11	5.64E+10	85%

Note: MPN = most probable number.

The equation for WLA calculation is:
Flow (gallon/day) × concentration (MPN/100 mL) × 3,785.412 mL/gallon = MPN/day.

Table 3-2. WLA summary for subsegment 030501

AI #	Permit #	Outfall	Facility name	Outfall type	Flow type	Flow (gpd)	FCB limit type[1]	Limit (MPN/100 mL)	Load (MPN/d)
162509	LA0032239	001	American Water Operations & Maintenance Inc - N Fort Polk WWTP	treated sanitary wastewater	design	1,400,000	weekly ave.	400	2.12E+10
							monthly ave.	none	
18575	LAG540476	001	Link Mobile Home Park	treated sanitary wastewater	permit max	25,000	weekly ave.	400	3.79E+08
							monthly ave.	none	
18571	LAG540705	001	T&W Trailer Park	treated sanitary wastewater	expected	6,600	weekly ave.	400	9.99E+07
							monthly ave.	none	

[1] Individual WLAs are calculated using the most stringent limit. Other limits and loads are presented for the reader's information only.

030601, 030602

Barnes Creek

TMDL for BOD

Total Maximum Daily Load for Barnes Creek, 030602 (to meet 5.0 mg/L Dissolved Oxygen criterion)
(Sum of CBOD, NH_3-N, and SOD)

ALLOCATION	Summer	Winter
	May – Oct (lbs/day)	Nov - Apr (lbs/day)
Point Source WLA*	1144	1144
Point Source Reserve MOS	286	286
Total Nonpoint Source LA	1786	1208
Total Nonpoint Source Reserve MOS	445	301
Total Nonpoint Reduction	70%	70%
TMDL	3661	2939

* The City of DeRidder was the only significant discharger located on Barnes Creek. This discharger is located in subsegment 030601. The seasonal summer dissolved oxygen standard for this subsegment is 2.0 mg/l. No reductions in permit limits for The City of DeRidder are required to maintain this seasonal standard.

Limits for all other facilities in these subsegments are generally set by state policy or guidelines and can continue as such.

City of DeRidder
LA0038407
3.03 MGD
10 mg/L BOD_5/15 mg/L TSS

030603

Marsh Bayou

TMDL for BOD

TMDLs and LAs for Marsh Bayou, 030603 (to meet 5.0 mg/L DO criterion)

Loading Description	Summer season (May – Oct.) BOD Load (lbs./day)	Winter season (Nov. – April) BOD Load (lbs./day)
Total point source allocations* (WLA)	0	0
Point source margin of safety (MOS)	0	0
Headwater/Tributary Loads	95	110
Benthic Loads (based upon nonpoint and SOD loads used in the projection)	714	490
Total maximum daily load (TMDL)	809	600
Nonpoint source margin of safety (MOS for benthic and boundary loads)	0	0
Natural Nonpoint Load	809	600
Man-Made Nonpoint Load	0	0

* Based on available LA DEQ permit data available at the time this TMDL was developed, there were no facilities that were known to be discharging into Marsh Bayou or any of its tributaries.

Subsegment 030603
Marsh Bayou TMDL for Fecal Coliform Bacteria
Developed by Tetra Tech for LDEQ
Approved by EPA on 3/7/2011
Document Date: 10/5/2010

http://www.deq.louisiana.gov/portal/portals/0/technology/tmdl/pdf/Final_LDEQ_Fecal_030603_093010.pdf

Table ES-1. Summary of fecal coliform bacteria TMDL for Marsh Bayou

Season	TMDL (MPN/day)	WLA (MPN/day)	LA (MPN/day)	Explicit MOS (MPN/day)	Percent reduction
Winter	2.73E+12	9.99E+06	2.18E+12	5.46E+11	82%
Summer	1.41E+11	9.99E+06	1.13E+11	2.82E+10	98%

Note: MPN = most probable number.

Table 3-2. WLA summary for subsegment 030603

AI #	Permit #	Outfall	Facility name	Outfall type	Flow type	Flow (gpd)	FCB limit type[1]	Limit (MPN / 100 mL)	Load (MPN/d)
128335	LAG532248	001	Liberty Gas Storage LLC - Ragley Compressor Station	treated sanitary wastewater	expected	100	weekly ave.	400	1.51E+06
							monthly ave.	200	7.57E+05
159016	LAG532988	001	Fire District #7 Ward 9	treated sanitary wastewater	expected	140	weekly ave.	400	2.12E+06
							monthly ave.	none	
158486	LAG533014	001	Fournet Boudreaux VFW Post 10665	treated sanitary wastewater	expected	470	weekly ave.	400	7.12E+06
							monthly ave.	none	
157897	LAR05P013		Gillis Lumber	MSGP - stormwater	not avail.		none		
119483	LAR10C437		Briars Subdivision	stormwater CGP	not avail.		none		
158144	LAU005938	001	Topsy Fire Department District 7		not avail.		n/a		

[1] Individual WLAs are calculated using the most stringent limit. Other limits and loads are presented for the reader's information only.
Note: MPN = most probable number. n/a = not applicable (facility is not required to have a sanitary discharge permit)

Subsegment 030701
Bayou Serpent TMDL for Dissolved Lead
Developed by Tetra Tech for LDEQ
Approved by EPA on 3/7/2011
Document Date: 10/5/2010

http://www.deq.louisiana.gov/portal/portals/0/technology/tmdl/pdf/Final_LDEQ_Lead_030701.pdf

TMDL (lbs/day)	WLA (lbs/day)	LA (lbs/day)	MOS (lbs/day)
0.00293	0	0.00234	0.00059

Table 3-1. WLA summary for subsegment 030701 for total lead

AI #	Permit #	Outfall	Facility name	Outfall type	Flow type	Flow (gpd)	Limit type	Lead (µg/L)	Lead (lb/d)
19540	LAG380088	001	Jefferson Davis Central Waterworks District Central Water Treatment & Pumping Plant	treated sanitary wastewater	DMR average	450	none		0
		002		filter backwash wastewater	DMR average	300,000	none		0
25002	LAG480262	001	Tennessee Gas Pipeline Co - Compressor Station 823	stormwater, washwaters, drainage, condensate, hydrostatic test water, treated sanitary wastewater	expected	360,000	none		0[a]
32254	LAG532967	001	Texas Gas Transmission LLC - Woodlawn Compressor Station	stormwater	DMR 30-day max	23,285	none		0
		002		treated sanitary wastewater	expected	500	none		0
		003		stormwater	DMR 30-day max	9,705	none		0
42949	LAG540826	001	Quiet Oaks RV Park	treated sanitary wastewater	expected	6,250	none		0
40642	LAG540880	001	Total Environmental Solutions Inc - Sandy Ridge Subdivision	treated sanitary wastewater	DMR average	8,513	none		
18260	LAG560102	001	Fenton, Village of - STP	treated sanitary wastewater	DMR average	34,772	none		0
43608	LAR05M490		Transit Mix Concrete - Indian Village #284	MSGP - stormwater	not avail.		none		0[a]
84976	LAR10B045	001	Shoreline Southeast LLC - Rice Acres, Inc. No1/Hayes 11-1 Production Facility, West Fenton Field	construction stormwater	not avail.		not avail.		0[a]

[a] This TMDL is being developed for critical low-flow conditions (7Q10). Under low-flow conditions, the WLA for all stormwater discharges will be 0.0 lb/d because the flow will be 0.0 mgd. However, existing stormwater permits limits continue to apply to all stormwater discharges.

030701

Bayou Serpent for Fipronil (pesticide)

http://www.epa.gov/region6/water/ecopro/latmdl/serpent_fipronil(f).pdf

030701

Bayou Serpent

TMDL for BOD

Total Maximum Daily Load (Sum of UCBOD, UNBOD, and SOD) for Bayou Serpent, 030701

ALLOCATION	SUMMER		WINTER	
	% Reduction Required	(MAR-NOV) (lbs/day)	% Reduction Required	(DEC-FEB) (lbs/day)
Point Source WLA	0	35	0	35
Point Source MOS (20%)	0	9	20	9
Nonpoint Source LA	90	545	50	3471
Nonpoint Source MOS (0% Summer; 10%, Winter)	0	0	10	371
TMDL		589		3886

The discharger inventory for the Bayou Serpent watershed was reviewed. There are only 4 dischargers listed in the LDEQ Permit Tracking System. These facilities were evaluated based on the volume of their discharge, their location with respect to the listed waterbody, any water quality data which demonstrated their impact or lack of impact, whether or not the NPS contribution included any small facilities, and best professional judgment. Only the Village of Fenton was considered to have any ability to impact the target reaches. The Village of Fenton discharges to an unnamed ditch which flows 1.68 miles to Little Bayou thence 5.35 miles to Bayou Serpent. An uncalibrated model was performed for the receiving stream for the Village of Fenton STP: the Unnamed Ditch to Little Bayou to Bayou Serpent. The uncalibrated model showed that Fenton has no impact on either Little Bayou or Bayou Serpent. The results of the uncalibrated model were entered in the summer projection model for Bayou Serpent. The list of facilities and the modeling decision for each is shown on the following page.

Discharger Inventory for Subsegment 030701

FACILITY	FILE_NUM	Out-fall No.	OUTFALL DESCRIPTION	FAC_TYPE	REC_WATER	EXPECTED FLOW, GPD	BOD, mg/L	TSS, mg/L	MODELING COMMENTS
KINDER COMP. STA. 823	LA 0045918	1	storm water runoff, treated sanitary from 101, equipment washwater, condensed water from air compressor system, and building floor drainage	NATURAL GAS COMPRESSOR STATION	UNNAMED DITCHES - GUM BAYOU-SERPENT BAYOU				No Impact - Not modeled
KINDER COMP. STA. 823	LA 0045918	101	sanitary sewage	NATURAL GAS COMPRESSOR STATION	UNNAMED DITCHES - GUM BAYOU-SERPENT BAYOU	480	45	45	expected flow is from new app; permit has 400 gpd; No Impact - Not modeled
FENTON, VILLAGE OF (STP)	LAG 560102	1	sanitary sewage	45,000 GPD EXT. AIR T.P.	DITCH-LITTLE BAYOU-BAYOU SERPENT	36000	20	20	Class III permit for Q< 50,000; App indicates a design flow of 36,000 gpd; DMRs indicate wide variation from month to month; need uncalibrated model
Mobile City Campground	LAG 540826	1	sanitary sewage	CAMPGROUND/STP	LOCAL-BAYOU SERPEANT	6250	30	30	Class II permit for Q< 25,000; App indicates a design flow of 6,250 gpd based on 125 campsites; discontinuous flow, seasonal, ditch dry during recon; No Impact - Not modeled
WOODLAWN COMPRESSOR STA	LA 0111881	1	storm water runoff	NAT GAS COMPRESSOR STA	BAYOU ARCENEAUX				No Impact - Not modeled
WOODLAWN COMPRESSOR STA	LA 0111881	2	sanitary sewage	NAT GAS COMPRESSOR STA	BAYOU ARCENEAUX	500			No Impact - Not modeled
FACILITY	FILE_NUM	Out-fall No.	OUTFALL DESCRIPTION	FAC_TYPE	REC_WATER	EXPECTED FLOW, GPD	BOD, mg/L	TSS, mg/L	MODELING COMMENTS
WOODLAWN	LA 01118	3	storm water runoff	NAT GAS COMPRESS	BAYOU ARCENEAUX				No Impact - Not modeled

COMPRESSOR STA	81			OR STA					
RICE ACRES WELL PIPELINE	LAR 10B045	1	unknown	CONST SWGP	LITTLE BAYOU				Construction activities storm water only; potential for discharge is "unlikely";
IOWA GAS PLT	LA 0093921	1	sanitary sewage	NATURAL GAS PROCESSING	UNNAMED DITCH - LOUISIANA IRRIGATION CANAL - BAYOU ARCENEAUX - CALCASIEU RIVER	1080	45	45	Zero discharge system was installed but there are bypasses which can be used to divert any overflow to the stream. Discharges to English Bayou, not Bayou Serpent

The existing point sources have no impact on the main stem of Bayou Serpent and require no changes to their permitted discharges.

030702

English Bayou

TMDL/WLA for BOD

Calcasieu Sewer District # 11 0.22 MGD 10 $CBOD_5$/10 NH_3-N/2 DO

Turbidity, TSS, TDS, Cl TMDLs
For
Calcasieu River Basin Subsegments

030702 English Bayou for Turbidity

http://www.epa.gov/region6/water/ecopro/latmdl/engtss(f).pdf

Subsegment 030802
Hickory Branch TMDL for Fecal Coliform Bacteria
Developed by Tetra Tech for LDEQ
Approved by EPA on 3/7/2011
Document Date: 10/8/2010

http://www.deq.louisiana.gov/portal/portals/0/technology/tmdl/pdf/Final_LDEQ_Fecal_030802_093010.pdf

Table ES-1. Summary of fecal coliform bacteria TMDL for Hickory Branch

Season	TMDL (MPN/day)	WLA (MPN/day)	LA (MPN/day)	Explicit MOS (MPN/day)	Percent reduction
Winter	9.87E+12	8.75E+08	7.90E+12	1.97E+12	0%
Summer	5.10E+11	8.75E+08	4.07E+11	1.02E+11	64%

Note: MPN = most probable number.

Table 3-2. WLA summary for subsegment 030802

AI #	Permit #	Outfall	Facility name	Outfall type	Flow type	Flow (gpd)	FCB limit type[1]	Limit (MPN/100 mL)	Load (MPN/d)
12483	LA0079740	004	TIN Inc dba Temple-Inland - SW Louisiana Lumber Operations	stormwater and wastewater	DMR average	2,462,111	none		
12483	LA0079740	005	TIN Inc dba Temple-Inland - SW Louisiana Lumber Operations	stormwater and wastewater	DMR average	1,382,556	none		
12483	LA0079740	007	TIN Inc dba Temple-Inland - SW Louisiana Lumber Operations	stormwater and irrigation effluent	DMR average	1,203,058	none		
12483	LA0079740	107	TIN Inc dba Temple-Inland - SW Louisiana Lumber Operations	treated sanitary wastewater	expected	3,500	weekly ave.	400	5.30E+07
							monthly ave.	none	
40751	LAG530062	001	Beauregard Fire Protection District #2 - Gordon Fire Dept - Station #5	treated sanitary wastewater	permit max	5,000	weekly ave.	400	7.57E+07
							monthly ave.	none	
41766	LAG530242	001	Highway 171 Trailer Park	treated sanitary wastewater	DMR average	2,389	weekly ave.	400	3.62E+07
							monthly ave.	200	1.81E+07
154256	LAG532476	001	Bosley Construction	treated sanitary wastewater	expected	1,200	weekly ave.	400	1.82E+07
							monthly ave.	200	9.08E+06
154256	LAG532476	002	Bosley Construction	treated sanitary wastewater	expected	1,200	weekly ave.	400	1.82E+07
							monthly ave.	200	9.08E+06
40756	LAG540175	001	South Beauregard High & Elementary School	treated sanitary wastewater	30-day max	8,640	weekly ave.	400	1.31E+08
							monthly ave.	200	6.54E+07

AI #	Permit #	Outfall	Facility name	Outfall type	Flow type	Flow (gpd)	FCB limit type[1]	Limit (MPN/100 mL)	Load (MPN/d)
156700	LAG541645	001	B&B Mobile Home Park	treated sanitary wastewater	expected	6,000	weekly ave.	400	9.08E+07
							monthly ave.	200	4.54E+07
87519	LAG541795	001	Longville Lake Park	treated sanitary wastewater	DMR average	446	weekly ave.	400	6.75E+06
							monthly ave.	none	
13028	LAG750319	001	Trunkline Gas Co LLC - Longville Compressor Station #48	exterior vehicle and equipment wash wastewater	not avail.		none		
13028	LAG750319	002a	Trunkline Gas Co LLC - Longville Compressor Station #48	treated sanitary wastewater	DMR average	265	weekly ave.	400	4.00E+06
							monthly ave.	none	
13028	LAG750319	002b	Trunkline Gas Co LLC - Longville Compressor Station #48	treated sanitary wastewater	DMR average	1,388	weekly ave.	400	2.10E+07
							monthly ave.	none	
13028	LAG750319	003	Trunkline Gas Co LLC - Longville Compressor Station #48	treated sanitary wastewater	permit max	25,000	weekly ave.	400	3.79E+08
							monthly ave.	200	1.89E+08
13028	LAG750319	004	Trunkline Gas Co LLC - Longville Compressor Station #48	treated vehicle wash and sanitary wastewater	permit max	25,000	weekly ave.	400	3.79E+08
							none		
13028	LAG750319	005	Trunkline Gas Co LLC - Longville Compressor Station #48	wastewaters	not avail.		none		
140998	LAG750561	001	Kirks Carwash	vehicle wash wastewater	DMR average	5,949	none		
169226	LAR10G307	001	Beauregard Parish School Board	stormwater (construction)	not avail.		none		

[1] Individual WLAs are calculated using the most stringent limit. Other limits and loads are presented for the reader's information only.

Subsegment 030804
Little River TMDL for Dissolved Lead
Developed by Tetra Tech for LDEQ
Approved by EPA on 3/7/2011
Document Date: 10/5/2010

http://www.deq.louisiana.gov/portal/portals/0/technology/tmdl/pdf/Final_LDEQ_Lead_030804.pdf

TMDL (lbs/day)	WLA (lbs/day)	LA (lbs/day)	MOS (lbs/day)
0.000337	0	0.000270	0.000067

Table 3-1. WLA summary for subsegment 030804 for total lead

AI #	Permit #	Outfall	Facility name	Outfall type	Flow type	Flow (gpd)	Limit type	Total		Dissolved	
								Limit (µg/L)	Lead (lb/d)	Limit (µg/L)	Lead (lb/d)
276	LA0058882	001	CECOS International, Inc	Stormwater	Expected	0	Daily max.	150	0[a]	29.96	0[a]
		002		Stormwater	Expected	0	Daily max.	150	0[a]	29.96	0[a]
		003		Stormwater	Expected	0	Daily max.	150	0[a]	29.96	0[a]
93516	LAR05N447	001	Nick A Doucet 27 #1 Production Facility	MSGP - stormwater	Not avail.		None		0		0

[a] This TMDL is being developed for critical low-flow conditions (7Q10). Under low-flow conditions, the WLA for all stormwater discharges will be 0.0 lb/d because the flow will be 0.0 mgd. However, existing stormwater permits limits continue to apply to all stormwater discharges.

030804

Little River

TMDL for BOD

Total Maximum Daily Load (Sum of CBOD, NBOD, and SOD) for Little River, 030804

	Summer season (Mar – Nov)		Winter season (Dec – Feb)	
Point source allocations (WLA)	BOD Load (lbs./day)	% of TMDL	BOD Load (lbs./day)	% of TMDL
Total point source allocations (WLA)	0	0	0	0
Point source margin of safety (MOS)	0	0	0	0
Headwater/Tributary Loads	9	1	91	10
Benthic Loads (based upon nonpoint and SOD loads used in the projection)	1155	88	693	74
Incremental Loads	148	11	148	16
Total maximum daily load (TMDL)	1312	100	932	100
Nonpoint source margin of safety (MOS for benthic, incremental, and boundary loads)	262	20	186	20

Point source dischargers:

At the time that this TMDL was developed, Subsegment 030804 was void of any known oxygen-demanding point source dischargers. There is a CECOS facility along the lower reaches of Little River. Based upon permit file research and a site visit during the reconaissance survey, it was determined that all of the cells and lagoons at this site have been closed. The company uses this facility only for deep well injection. According to the permit file information, this facility discharges stormwater at three different outfalls during rainfall events. It is not permitted for oxygen-demanding substances.

Subsegment 030805
Indian Bayou TMDL for Fecal Coliform Bacteria
Developed by Tetra Tech for LDEQ
Approved by EPA on 3/7/2011
Document Date: 10/5/2010

http://www.deq.louisiana.gov/portal/portals/0/technology/tmdl/pdf/Final_LDEQ_Fecal_030805_093010.pdf

Table ES-1. Summary of fecal coliform bacteria TMDL for Indian Bayou

Season	TMDL (MPN/day)	WLA (MPN/day)	LA (MPN/day)	Explicit MOS (MPN/day)	Percent reduction
Winter	3.60E+12	2.33E+11	2.64E+12	7.19E+11	90%
Summer	1.86E+11	1.75E+10	1.31E+11	3.71E+10	89%

Note: MPN = most probable number.

Table 3-2. WLA summary for subsegment 030805

AI #	Permit #	Outfall	Facility name	Outfall type	Flow type	Flow (gpd)	FCB limit type[1]	Limit (MPN/100 mL)	Load (MPN/d)
99892	LAG380067	001	Calcasieu Parish Waterworks Treatment District #1 - Plant B	treated sanitary wastewater	DMR average	365,000	weekly ave.	400	5.53E+09
							monthly ave.	none	
2322	LAG530059	001	Beauregard Electric Coop	treated sanitary wastewater	DMR average	1,080	weekly ave.	400	1.64E+07
							monthly ave.	200	8.18E+06
42033	LAG530278	001	Kelly Park	treated sanitary wastewater	DMR average	1,018	weekly ave.	400	1.54E+07
							monthly ave.	200	7.71E+06
43948	LAG530609	001	Westside Townhomes	treated sanitary wastewater	30-day max	2,700	weekly ave.	400	4.09E+07
							monthly ave.	200	2.04E+07
126459	LAG531966	001	Ward 1 Fire Protection District 1 Station 5	treated sanitary wastewater	expected	500	weekly ave.	400	7.57E+06
							monthly ave.	200	3.79E+06
40919	LAG540208	001	Gillis Elementary School	treated sanitary wastewater	30-day max	16,228	weekly ave.	400	2.46E+08
							monthly ave.	200	1.23E+08
41205	LAG540260	001/002	Pin Oak Mobile Home Park of Moss Bluff Louisiana LLC - Pin Oak Mobile Home Park	treated sanitary wastewater	DMR average	8,020	weekly ave.	400	1.21E+08
							monthly ave.	200	6.07E+07
122956	LAG541303	001	Pine Brook Estates	treated sanitary wastewater	expected	6,060	weekly ave.	400	9.18E+07
							monthly ave.	200	4.59E+07
131575	LAG541502	001	LA Bluff Mobile Home Park	treated sanitary wastewater	expected	21,000	weekly ave.	400	3.18E+08
							monthly ave.	200	1.59E+08
41154	LAG560003	001	Country Oaks Mobile Home Park	treated sanitary	expected	40,500	weekly ave.	400	6.13E+08

AI #	Permit #	Outfall	Facility name	Outfall type	Flow type	Flow (gpd)	FCB limit type[1]	Limit (MPN/100 mL)	Load (MPN/d)
				wastewater			monthly ave.	200	3.07E+08
40072	LAG780005	001	Chaney Trucking & Equipment Rental - Dirt Pit & Woodwaste Disposal	stormwater from construction	DMR average	150	weekly ave.	400	2.27E+06
							monthly ave.	none	
108479	LAR041019		Lake Charles	MS4	Not avail.		none		See Table 3-3
108485			Calcasieu Parish Police Jury						
72218	LAU004298		Parkside Marina LLC		expected	3,500	weekly ave.	400	5.30E+07
							monthly ave.	200	2.65E+07

[1] Individual WLAs are calculated using the most stringent limit. Other limits and loads are presented for the reader's information only.
Note: MPN = most probable number.

030805

Indian Bayou

TMDL for BOD

Total Maximum Daily Load (Sum of CBOD, NBOD, and SOD) for Indian Bayou, 030805

Current Standard:	Summer season (Mar - Nov)		Winter season (Dec - Feb)	
	BOD Loading (lbs/day)	% of TMDL	BOD Loading (lbs/day)	% of TMDL
Headwater/Tributary Loads	18	0.22	65	0.74
Benthic Loads	5,604	79.78	5,604	79.26
Point Source Loads	0	0	0	0
Margin Of Safety	1,401	20.00	1,401	20.00
Reduction of man-made nonpoint	60%		60%	
Total maximum daily load (TMDL)	7,024	100	7,070	100

The dischargers located in this watershed will be given effluent limitations according to the state effluent limitations policy.

030806

Houston River

TMDL for BOD

Total Maximum Daily Load (Sum of CBOD, NBOD, and SOD) for Houston River, 030806

	3 mg/L DO, Mar-Nov	5 mg/L DO, Dec-Feb
Point Source WLA, lb/day of oxygen demand	322	322
Point Source MOS, lb/day of oxygen demand	79	79
Nonpoint LA, lb/day of oxygen demand	7162	11262
Nonpoint MOS, lb/day of oxygen demand	0	988
TMDL, lb/day of oxygen demand	7563	12651

Permit Limits for Facilities Included in the Houston River TMDL Model:

City of DeQuincy (discharges to Buxton Creek 13.5 miles from the Houston River)
LA0038709
1.1 MGD
10 mg/L $CBOD_5$/2 mg/L NH_3-N/5 mg/L DO

Permit Limits for Facilities Not Included in the Houston River TMDL Model

FACILITY	CURRENT PERMIT LIMITS (BOD_5/NH_3-N), mg/L	POLICY PERMIT LIMITS ($CBOD_5$/NH_3-N), MONTHLY AVERAGE, mg/L
BIG OAKS RV PARK LAG530081	45/none (weekly average)	30/policy
DEQUINCY MIDDLE SCH, CALCASIEU PAR SCH BD, LAG540207	30/none (monthly average)	30/policy
PIERCE ACRES MOBILE HOME PARK LAG540561	30/none (monthly average)	30/policy
WESTERN GARDEN APT, CALHOUN PROPERTY MGMT INC LAG540855	30/none (monthly average)	30/policy

Subsegment 031101
Intracoastal Waterway TMDL for Fecal Coliform Bacteria
Developed by Tetra Tech for LDEQ
Approved by EPA on 3/7/2011
Document Date: 10/8/2010

http://www.deq.louisiana.gov/portal/portals/0/technology/tmdl/pdf/Final_LDEQ_Fecal_031101_100110.pdf

Table ES-1. Summary of fecal coliform bacteria TMDL for the Intracoastal Waterway

Season	TMDL (MPN/day)	WLA (MPN/day)	LA (MPN/day)	Explicit MOS (MPN/day)
Winter	3.00E+15	1.36E+14	2.27E+15	6.00E+14
Summer	6.00E+14	2.71E+13	4.53E+14	1.20E+14

Note: MPN = most probable number.

Table 3-2. WLA summary for subsegment 031101

AI #	Permit #	Outfall	Facility name	Outfall type	Flow type	Flow (GPD)	FCB limit type[1]	Limit (MPN/100 mL)	Load (MPN/d)
22148	LA0081981	001	Total Environmental Solutions Inc (TESI) - Highland Meadow Trails Subdivision (Lake Street)	treated sanitary wastewater	expected	85,000	weekly ave.	400	1.29E+09
							monthly ave.	200	6.44E+08
40795	LA0119822	001	Quail Ridge Limited Partnership - Quail Ridge Mobile Home Park	treated sanitary wastewater	expected	95,000	weekly ave.	400	1.44E+09
							monthly ave.	200	7.19E+08
85461	LAG110103	001	Dunham Price Inc - S Lake Charles Facility	wastewaters and stormwater	30-day max	1,620	none		
		004		stormwater	30-day max	864	none		
		005		treated sanitary wastewater	30-day max	480	weekly ave.	400	7.27E+06
							monthly ave.	none	
51585	LAG110200	001	Angelle Concrete Group LLC - Lincoln Road Plant	wastewaters and stormwater	expected	0	none		
31794	LAG33A429	001	Sweet Lake Field Facility	reserve pit dewatering effluent	not avail.		none		
		002		deck drainage	DMR average	176	none		
		003		formation test fluids	not avail.		none		
		005		domestic wastewater	DMR average	544	none		
		006		hydrostatic test water	not avail.		none		
		007		blowdown, excess	not avail.		none		

AI #	Permit #	Outfall	Facility name	Outfall type	Flow type	Flow (GPD)	FCB limit type[1]	Limit (MPN/100 mL)	Load (MPN/d)
				cement, filter media, etc.					
		04A		treated sanitary wastewater (non-oyster)	DMR average	1,110	weekly ave.	200	8.40E+06
							monthly ave.	none	
155956	LAG33A806	002	Walker #1 Production Facility - South Lake Charles Field	deck drainage	DMR average	62	none		
17997	LAG530146	001	Country Living Trailer Park	treated sanitary wastewater	actual	3,900	weekly ave.	400	5.91E+07
							monthly ave.	200	2.95E+07
41644	LAG530228	001	Grand Lake Trailer Park	treated sanitary wastewater	expected	4,800	weekly ave.	400	7.27E+07
							monthly ave.	200	3.63E+07
43107	LAG530474	001	Rutherford Trailer Park	treated sanitary wastewater	expected	7,500	weekly ave.	400	1.14E+08
							monthly ave.	200	5.68E+07
24532	LAG530537	001	Marine Spill Response Corp	treated sanitary wastewater	actual	1,000	weekly ave.	400	1.51E+07
							monthly ave.	none	
43751	LAG530634	001	USArmy COE Calcasieu Lock	treated sanitary wastewater	expected	1,200	weekly ave.	400	1.82E+07
							monthly ave.	none	
		002		treated sanitary wastewater	expected	500	weekly ave.	400	7.57E+06
							monthly ave.	none	
		003		treated sanitary wastewater	expected	500	weekly ave.	400	7.57E+06
							monthly ave.	none	
40761	LAG530701	001	BellSouth Telecommunications K3520	treated sanitary wastewater	expected	500	weekly ave.	400	7.57E+06
							monthly ave.	none	
51268	LAG531380	001	Talens Marine & Fuel LLC - Lake Charles Dock	treated sanitary wastewater	actual	20	weekly ave.	400	3.03E+05
							monthly ave.	none	
115621	LAG531478	001	LADOTD - Black Bayou Pontoon Bridge - Sewage Treatment	treated sanitary wastewater	design	300	weekly ave.	400	4.54E+06
							monthly ave.	none	
115626	LAG531843	001	LADOTD - Grand Lake Pontoon Bridge - Sewage Treatment	treated sanitary wastewater	expected	20	weekly ave.	400	3.03E+05
							monthly ave.	none	
135335	LAG532005	001	ERA Helicopters LLC - ERA Accounting Annex	treated sanitary wastewater	expected	300	weekly ave.	400	4.54E+06
							monthly ave.	200	2.27E+06
153960	LAG532446	001	Grand Lake Elementary School	treated sanitary wastewater	expected	4,500	weekly ave.	400	6.81E+07
							monthly ave.	200	3.41E+07
51692	LAG532686	001	Cameron Parish Police Jury - Sweet Lake Solid Waste Collection Site	treated sanitary wastewater	expected	40	weekly ave.	400	6.06E+05
							monthly ave.	none	
41225	LAG540053	001	Trahan Rental Properties LLC - Oak Pine Trailer Park	treated sanitary wastewater	expected	15,300	weekly ave.	400	2.32E+08
							monthly ave.	200	1.16E+08
38218	LAG540076	001	Christian World Ministries of Lake Charles Louisiana Inc	treated sanitary wastewater	expected	14,500	weekly ave.	400	2.20E+08
							monthly ave.	200	1.10E+08
40774	LAG540179	001	Phoenix Mobile Home Park of Lake Charles LLC	treated sanitary wastewater	permit max	24,999	weekly ave.	400	3.79E+08
							monthly ave.	200	1.89E+08
40877	LAG540199	001	McNeese State University Burton Coliseum	treated sanitary wastewater	expected	13,000	weekly ave.	400	1.97E+08
							monthly ave.	200	9.84E+07
40932	LAG540217	001	Grand Lake High School	treated sanitary wastewater	30-day max	31,886	weekly ave.	400	4.83E+08
							monthly ave.	200	2.41E+08
41111	LAG540240	001	Clearview Mobile Home Park	sanitary wastewater	expected	7,800	weekly ave.	400	1.18E+08
							monthly ave.	200	5.91E+07
44010	LAG540802	001	Z Best Inc	treated sanitary	expected	9,900	weekly ave.	400	1.50E+08

AI #	Permit #	Outfall	Facility name	Outfall type	Flow type	Flow (GPD)	FCB limit type[1]	Limit (MPN/100 mL)	Load (MPN/d)
				wastewater			monthly ave.	200	7.50E+07
		002		treated sanitary wastewater	expected	9,900	weekly ave.	400	1.50E+08
							monthly ave.	200	7.50E+07
40858	LAG540841	001	South Calcasieu Owners Association - South Calcasieu Estates I & II	treated sanitary wastewater	DMR average	3,118	weekly ave.	400	4.72E+07
							monthly ave.	200	2.36E+07
87675	LAG541015	001	Southland Trailer Park	treated sanitary wastewater	design	4,650	weekly ave.	400	7.04E+07
							monthly ave.	200	3.52E+07
		002		treated sanitary wastewater	design	4,650	weekly ave.	400	7.04E+07
							monthly ave.	200	3.52E+07
138854	LAG541424	001	Shandy Acres LLC - Shandy Acres	sanitary wastewater	expected	15,000	weekly ave.	400	2.27E+08
							monthly ave.	200	1.14E+08
17941	LAG560066	001	Oak Meadow Water Works Inc - Oak Meadow Subdivision	treated sanitary wastewater	expected	42,800	weekly ave.	400	6.48E+08
							monthly ave.	200	3.24E+08
43256	LAG560162	001	Smith Mobile Home Village Inc	treated sanitary wastewater	expected	39,000	weekly ave.	400	5.91E+08
							monthly ave.	200	2.95E+08
19635	LAG570044	001	RLP Operations LLC - Fairview Mobile Estates South	treated sanitary wastewater	expected	51,600	weekly ave.	400	7.81E+08
							monthly ave.	200	3.91E+08
43262	LAG570152	001	Dation LLC - Gulf Stream Manor	treated sanitary wastewater	expected	100,000	weekly ave.	400	1.51E+09
							monthly ave.	200	7.57E+08
41487	LAG570187	001	RLP Operations LLC - Fairview Mobile Estates North	treated sanitary wastewater	expected	64,500	weekly ave.	400	9.77E+08
							monthly ave.	200	4.88E+08
91704	LAG570207	001	Lake Charles City of - Sugarloaf Community	treated sanitary wastewater	design	78,000	weekly ave.	400	1.18E+09
							monthly ave.	200	5.91E+08
42281	LAG750134	001	Leboeuf's Carwash	wash wastewater	DMR average	1,350	none		
24982	LAG750294	001	PHI Inc	washwater	not avail.		none		
30781	LAG780011	001	Tommasi Disposal Inc	Landfill wastewaters	permit max	4,999	none		
87773	LAG940022	001A	Jordan Oil Company	wastewaters	DMR average	371	none		
		001B		wastewaters	DMR average	440	none		
		001C		wastewaters	DMR average	185	none		
43606	LAR05M770		Vision Aviation - Aircraft Refueling Facility	MSGP - stormwater	not avail.		none		
74653	LAR05N320		LADOTD - Creole Maintenance Unit	MSGP - stormwater	not avail.		none		
108479	LAR041019		Lake Charles	MS4	not avail.		none		See Table 3-3
108485			Calcasieu Parish Police Jury						

[1] Individual WLAs are calculated using the most stringent limit. Other limits and loads are presented for the reader's information only.

Note: MPN = most probable number.

This TMDL is being developed for critical low-flow conditions (7Q10). Under low-flow conditions, the WLA for all stormwater discharges will be 0.0 lb/d because the flow will be 0.0 MGD. However, existing stormwater permits limits continue to apply to all stormwater discharges.

031201

EPA's TMDL for Mercury

http://www.epa.gov/region6/water/ecopro/latmdl/coastalcalchg(f).pdf

LAKE PONTCHARTRAIN BASIN

TMDLs/WLAs

Fecal Coliform TMDLs for Selected Subsegments in the Lake Pontchartrain Basin

<u>Subsegments include</u>:

040102 – Comite River
040103 – Comite River
040201 – Bayou Manchac
040302 – Amite River
040304 – Grays Creek
040305 – Colyell Creek
040503 – Natalbany River
040504 – Yellow Water River
040505 – Ponchatoula Creek and Ponchatoula River
040603 – Selsers Creek
040703 – Big Creek
040909 – W-14 Main Diversion Canal
040910 – Salt Bayou
041302 – Lake Pontchartrain Drainage Canals in Jefferson and Orleans Parishes
041401 – New Orleans East Leveed Waterbodies

Developed by Tetra Tech for EPA
Approved by EPA on 3/28/2012
Document Date: 3/30/2012

LDEQ EDMS Document Numbers 8354060 (Report), 8361164 (Appendices A – D), and 8354304 (Appendices E – K)

040201
Bayou Manchac TMDL for Biochemical Oxygen-Demanding Substances
Developed by LDEQ
Approved by EPA on 5/11/2011
Document Date: 12/22/2010

http://www.deq.louisiana.gov/portal/portals/0/technology/tmdl/pdf/Final_Bayou_Manchac_040201_TMDL_03022011.pdf

Phase I Permit Implementation

All TMDL, permitting, and enforcement activities will be conducted in accordance with the Clean Water Act, the Louisiana Environmental Regulatory Code, and applicable state laws.

1. New discharges of oxygen-demanding loads:

   In general, LDEQ does not intend to permit additional discharges of oxygen-demanding loads. However, in the event that one the following requirements can be attained, LDEQ may permit the new discharge. The typical permit limits will be 5 mg/L BOD_5 / 2 mg/L NH_3 / 5 mg/L DO. Such new facilities may be required to submit an environmental impact assessment to LDEQ's permitting staff, which will conduct a thorough evaluation of the proposed facility based on environmental impacts, economic benefits, an analysis of alternatives, and other pertinent factors.

   a. The facility demonstrates that it will provide a significant load reduction of man-made oxygen-demanding constituents to the impaired watershed(s) serviced by the facility. The facility must also contribute to a reduction in the number of facilities discharging to the watershed(s). Facilities that may be considered for permits under this provision include, but are not limited to:

      i. A facility that will provide improved sewage treatment to multiple subdivisions previously serviced by wastewater treatment plants that are incapable of treating to tertiary limits.

      ii. A facility that will provide sewage collection and treatment to previously unsewered areas in which many

of the sanitary discharges from permitted facilities and individual home treatment units were entering an impaired watershed. As a result, the facility would be expected to provide more efficient treatment to the wastewater and reduce the net loading of oxygen-demanding substances in the watershed.

b. The facility demonstrates that its wastewater will not leave the facility or its property. Significant stormwater events do not apply to this provision. For the purpose of this provision, a significant stormwater event is defined as the 25 year, 24 hour rainfall event or its numerical equivalent, as defined by the Southern Regional Climate Center.

i. Facilities that may be considered under this provision include, but are not limited to:

a. Effluent reduction systems that have been approved by the Louisiana Department of Health and Hospitals.

b. Wastewater treatment plants equipped with overland flow systems in which the effluent will not leave the facility.

c. Wastewater treatment plants equipped with holding ponds that will retain the effluent such that the effluent will not leave the facility.

ii. LDEQ recognizes that some local governments are in the process of building or expanding regional sewage collection and treatment systems. In such areas, LDEQ may, on a limited basis, grant permits of limited durations to facilities that agree to tie into a regional collection and treatment system when it becomes available. LDEQ must have absolute assurance that the regional collection system will be available to the facility and the facility will connect to the regional collection system on or before the expiration date of the permit. Such assurance may include a formal agreement between the facility, the owner and operator of the regional wastewater treatment system, and

LDEQ. The regional system must have the capacity to treat the additional wastewater. Such a permit may have a duration of less than five years or it may have a five year duration with interim permit limits. The permit will be written based on projected completion dates for the construction of the collection and treatment system. The facility will be required to cease all wastewater discharges to the Bayou Manchac watershed and transfer the discharge to the regional collection system once the permit or interim limits expire or the collection system is available to the facility, whichever comes first. If the permit or interim limits expire, but, due to unforeseen circumstances, the availability of the collection system has been temporarily delayed, the duration of the permit or interim limits may be extended. If the availability of the collection system has been indefinitely delayed, the facility may be required to cease all discharges to the Bayou Manchac watershed. Such facilities may resort to options covered in item 1.b.i. above.

c. LDEQ reassesses Subsegment 040201 (Bayou Manchac). LDEQ determines that Subsegment 040201 is meeting the appropriate DO criteria and designated uses.

2. Existing discharges of oxygen demanding loads:

Below are the reductions for existing dischargers in the Bayou Manchac TMDL. Existing facilities discovered to be discharging oxygen-demanding loads without LPDES permits as of the TMDL approval date are to be permitted in accordance with the limits established for existing facilities with permits. Unpermitted facilities that are newly activated or reactivated and discharging after the TMDL approval date may be subjected to enforcement actions and will be required to tie into regional collection and treatment systems, once those systems are available.

a. Facilities (with effluent flow less than or equal to 25,000 gpd) with monthly average limitations of 30 mg/L BOD_5 or weekly average limitations of 45 mg/L BOD_5 will receive a compliance schedule of up to 3 years with final limitations of 10 mg/L BOD_5 / 2 mg/L NH_3 / 5 mg/L DO (with post aeration);

b. Facilities (with effluent flow greater than 25,000 gpd) with limitations of 10 mg/L BOD_5 will receive a compliance schedule of up to 3 years with final limitations of 5 mg/L BOD_5 / 2 mg/L NH_3 / 5 mg/L DO (with post aeration);

c. The Landing at Mallard Lakes (AI# 154124) will have permit limits of 10 mg/L BOD_5 / 2 mg/L NH_3/ 5 mg/L DO.

3. Nutrient monitoring (i.e., reporting for Total Nitrogen and Total Phosphorus) will be required for individual permits. Nutrient monitoring will be added to the general permit series (LAG530000, LAG540000, LAG560000, and LAG570000) upon the next scheduled renewal of each series.

Table 2. Summary of MS4 loading for Bayou Manchac

Urban Area	Permit Number	MS4 area (acres)	Summer MS4 (lbs/day)	Winter MS4 (lbs/day)
East Baton Rouge Parish	LAS000101	60744.57	1152	1074
Ascension Parish	LAR041034	5836.91	111	103

Table 3. Total Maximum Daily Load (Sum of UCBOD[1], UNBOD, and SOD) for a 5.0 mg/L dissolved oxygen standard

ALLOCATIONS	SUMMER		WINTER	
	% Reduction Required	(MAY-OCT) (lbs/day)	% Reduction Required	(NOV-APR) (lbs/day)
Point Source Wasteload Allocation (WLA)	100	0	100	0
Point Source Reserve MOS (20%)		0		0
East Baton Rouge Parish MS4 WLA (Nonpoint Loads)	100	1152	100	1074
East Baton Rouge Parish MS4 MOS (Nonpoint Source Reserve MOS) (20%)		0		0
Ascension Parish MS4 WLA (Nonpoint Loads)	100	111	100	103
Ascension Parish MS4 MOS (Nonpoint Source Reserve MOS) (20%)		0		0

ALLOCATIONS	SUMMER		WINTER	
Nonpoint Loads	0	830	0	774
Nonpoint Source Reserve MOS (20%)				
TMDL		2093		1951

***Note1: UCBOD as stated in this allocation is Ultimate CBOD.
UCBOD to $CBOD_5$ ratio = 2.3 for all treatment levels
Permit allocations are generally based on $CBOD_5$***

Subsegments 040301, 040401, and 040903

TMDLs for Total Suspended Solids, Sediment, and Turbidity for Selected Subsegments in the Lake Pontchartrain Basin

Subsegments include:
040301 – Amite River
040401 – Blind River
040903 – Bayou Cane

Developed by Tetra Tech for EPA
Approved by EPA on 3/28/2012
Document Date: 3/21/2012

LDEQ EDMS Document Numbers 8355422 (Report)
and 8355424 (Appendices)

TMDLs for Mercury in Selected Subsegments in the Lake Pontchartrain Basin

Subsegments include:

040303 – Amite River
040401 – Blind River
040403 – Blind River
040501 – Tickfaw River
040701 – Tangipahoa River
040801 – Tchefuncte River
040905 – Bayou Liberty
040906 – Bayou Liberty

Developed by Tetra Tech for EPA
Approved by EPA on 3/28/2012
Document Date: 3/21/2012

LDEQ EDMS Document Numbers 8355430 (Report) and 8355431 (Appendices)

40303
Lower Amite River TMDL for Biochemical Oxygen-Demanding Substances
Developed by LDEQ
Approved by EPA on 5/20/2011
Document Date: 2/7/2011

http://www.deq.louisiana.gov/portal/portals/0/technology/tmdl/pdf/Final_Lower_Amite_River_040303_TMDL_Report_03302011.pdf

Phase I Permit Implementation

All TMDL, permitting, and enforcement activities will be conducted in accordance with the Clean Water Act, the Louisiana Environmental Regulatory Code, and applicable state laws.

1. New discharges of oxygen-demanding loads:

   In general, LDEQ may not be able to permit additional discharges of oxygen-demanding loads due to the impaired status of the waterbody. However, in the event that one the following requirements can be attained, LDEQ may permit a new discharge. The typical permit limits will be 5 mg/L BOD_5 / 2 mg/L NH_3 / 5 mg/L DO. Such new facilities may be required to submit an environmental impact assessment to LDEQ's permitting staff, which will conduct a thorough evaluation of the proposed facility based on environmental impacts, economic benefits, an analysis of alternatives, and other pertinent factors.

   a. The facility demonstrates that it will provide a significant load reduction of man-made oxygen-demanding constituents to the impaired watershed(s) serviced by the facility. The facility must also contribute to a reduction in the number of facilities discharging to the watershed(s). Facilities that may be considered for permits under this provision include, but are not limited to:

      i. A facility that will provide improved sewage treatment to multiple subdivisions previously serviced by wastewater treatment plants that are incapable of treating to tertiary limits.

      ii. A facility that will provide sewage treatment to previously unsewered areas in which many of the

sanitary discharges from permitted facilities and individual home treatment units were entering an impaired watershed. As a result, the facility would be expected to provide more efficient treatment to the wastewater and reduce the net loading of oxygen-demanding substances in the watershed.

b. The facility demonstrates that its wastewater will not leave the facility or its property. Significant stormwater events do not apply to this provision. For the purpose of this provision, a significant stormwater event is defined the 25 year, 24 hour rainfall event or its numerical equivalent, as defined by the Southern Regional Climate Center.

i. Facilities that may be considered under this provision include, but are not limited to:

a. Effluent reduction systems that have been approved by the Louisiana Department of Health and Hospitals.

b. Wastewater treatment plants equipped with overland flow systems in which the effluent will not leave the facility.

c. Wastewater treatment plants equipped with holding ponds that will retain the effluent such that the effluent will not leave the facility.

ii. LDEQ recognizes that some local governments are in the process of building or expanding regional sewage collection and treatment systems. In such areas, LDEQ may, on a limited basis, grant permits of limited durations to facilities that agree to tie into a regional collection and treatment system when it becomes available. LDEQ must have absolute assurance that the regional collection system will be available to the facility and the facility will connect to the regional collection system on or before the expiration date of the permit. Such assurance may include a formal agreement between the facility, the owner and operator of the regional wastewater treatment system, and

LDEQ. The regional system must have the capacity to treat the additional wastewater. Such a permit may have a duration of less than five years or it may have a five year duration with interim permit limits. The permit will be written based on projected completion dates for the construction of the collection system. The facility will be required to cease all wastewater discharges to the Lower Amite River or connecting waterbodies and transfer the discharge to the regional collection system once the permit or interim limits expire or the collection system is available to the facility, whichever comes first. If the permit or interim limits expire, but, due to unforeseen circumstances, the availability of the collection system has been temporarily delayed, the duration of the permit or interim limits may be extended. If the availability of the collection system has been indefinitely delayed, the facility may be required to cease all discharges to Subsegment 040303. Such facilities may resort to options covered in item 1.b.i. above.

c. LDEQ reassesses Subsegment 040303 (Lower Amite River). LDEQ determines that Subsegment 040303 is meeting the appropriate DO criteria and designated uses.

2. Existing Discharges of oxygen demanding loads:

The facilities discharging within subsegment 040303 were determined to have no significant inpact on the Lower Amite River. Therefore, the facilities listed in Table 3 will keep their permit existing limits. Existing facilities discovered to be discharging oxygen-demanding loads without LPDES permits as of the TMDL approval date are to be permitted in accordance with the limits established for existing facilities with permits. Unpermitted facilities that are newly activated or reactivated and discharging after the TMDL approval date may be subjected to enforcement actions and may be required to tie into regional collection and treatment systems, if available, or modify their treatment system to meet more stringent permit limits.

3. Nutrient monitoring (i.e. reporting for Total Nitrogen and Total Phosphorus) will be required for individual permits. Nutrient monitoring

will be added to each general permit series (LAG530000, LAG540000, LAG560000, and LAG570000) upon the next scheduled renewal of each series.

Phase II will be developed based on the outcome of an ecoregion-based use attainability analysis (UAA) that is currently under development. This UAA is expected to propose new DO criteria for many of the Pontchartrain Basin TMDLs that are currently being developed. This new DO criteria is expected to be developed and promulgated within the next two to three years.

In the event the new criteria is not developed and promulgated within five years from the TMDL approval date, LDEQ intends to proceed in the following manner:

Case 1: The UAA study indicates that the current DO criterion is appropriate - the TMDL will be fully implemented based on the existing DO criteria.
Case 2: The UAA is not likely to be completed and/or approved - the TMDL will be fully implemented based on the existing DO criteria.
Case 3: The UAA is in process and is expected to be approved – Phase II of the TMDL will be postponed for a maximum period of 2 years. If the UAA has not been completed at the end of this period, the UAA status will be reviewed again according to Cases 1 - 3.

LDEQ recognizes there may be many unpermitted sources of oxygen-demanding loading within the Lake Pontchartrain Basin. These sources may include unpermitted facilities (privately owned treatment units for subdivisions or businesses). LDEQ has been locating unpermitted facilities and updating location information on permitted facilities in the Pontchartrain Basin. The unpermitted facilities are required to apply for the appropriate NPDES (National Pollutant Discharge Elimination System) permits. These unpermitted sources of oxygen-demanding loading may also include individual treatment units for residential homes and small businesses. The ability to accurately quantify the loads provided from these systems is extremely difficult due to lack of reliable information regarding the number of units and the loading provided by each individual unit. These unpermitted sources of loading add to the uncertainty of this TMDL and provide additional justification for the use of the phased TMDL approach.

Modeling has shown that reduced levels of stream flow may be contributing to the low DO impairment for Subsegment 040303. The Amite River Diversion Canal and the associated weir may be contributing to the reduced stream flow in Subsegment 040303. LDEQ recommends that repairs to the diversion weir located near the head of the Amite River Diversion Canal may lead to increased stream flow in Subsegment 040303. An increase in flow would be expected to increase the reaeration potential of the Lower Amite River. As a result, LDEQ would expect the levels of dissolved oxygen to increase and the load reductions required to meet the DO criteria to decrease. Additional runs of the projection model with increased flow were developed to demonstrate this scenario. For more information on the history of this weir see Section 2.4.1. Additional flow

measurements from a 2007 study done by the Amite River Basin Commission are located in Appendix G4.

There are no MS4 permits in this watershed.

Facilities addressed in this TMDL are presented in Table 3.

Table 2. Total Maximum Daily Load (Sum of UCBOD[1], UNBOD, and SOD) for a 5.0 mg/L dissolved oxygen standard

ALLOCATION	SUMMER		WINTER	
	% Reduction Required	(MAR-NOV) (lbs/day)	% Reduction Required	(DEC-FEB) (lbs/day)
Point Source WLA		0		0
Point Source Reserve MOS (20%)		0		0
Nonpoint Source Allocation	60	13,312	60	12,130
Nonpoint Source Reserve MOS (20%)		3,327		3034
TMDL		16,639		15,164

040304
Grays Creek TMDL for Biochemical Oxygen-Demanding Substances
Developed by LDEQ
Approved by EPA on 11/23/2010
Document Date: 11/23/2010

http://www.deq.louisiana.gov/portal/portals/0/technology/tmdl/pdf/Final_GraysCreek040304TMDL_112310.pdf

Phase I Permit Implementation

All TMDL, permitting, and enforcement activities will be conducted in accordance with the Clean Water Act, the Louisiana Environmental Regulatory Code, and applicable state laws.

1. New discharges of oxygen-demanding loads: In general, LDEQ does not intend to permit additional discharges of oxygen-demanding loads. However, in the event that a proposed or existing facility can meet one of the criteria listed below, LDEQ may permit the new discharge. The typical permit limits will be 5 mg/L BOD_5 / 2 mg/L NH_3 / 5 mg/L DO. Such new facilities may be required to submit an environmental impact assessment to LDEQ's permitting staff, which will conduct a thorough evaluation of the proposed facility based on environmental impacts, economic benefits, an analysis of alternatives, and other pertinent factors.

a. The facility demonstrates that it will provide a significant load reduction of man-made oxygen-demanding constituents to the impaired watershed(s) serviced by the facility. The facility must also contribute to a reduction in the number of facilities discharging to the watershed(s). Facilities that may be considered for permits under this provision include, but are not limited to:

    i. A facility that will provide improved sewage treatment to multiple subdivisions previously serviced by wastewater treatment plants that are incapable of treating to tertiary limits.

    ii. A facility that will provide sewage treatment to previously unsewered areas in which many of the sanitary discharges from permitted facilities and individual home treatment units were entering an impaired watershed. As a result, the facility would be expected to provide more efficient treatment to the wastewater and improve and reduce the net loading of oxygen demanding substances in the watershed.

b. The facility demonstrates that its wastewater will not leave the facility or its property. Significant stormwater events do not apply to this provision. For the purpose of this provision, a significant stormwater event is defined the 25 year, 24 hour rainfall event or its numerical equivalent, as defined by the Southern Regional Climate Center.

i. Facilities that may be considered under this provision include, but are not limited to:

a. Effluent reduction systems that have been approved by the Louisiana Department of Health and Hospitals.

b. Wastewater treatment plants equipped with overland flow systems in which the effluent will not leave the facility.

c. Wastewater treatment plants equipped with holding ponds that will retain the effluent such that the effluent will not leave the facility.

ii. LDEQ recognizes that some local governments are in the process of building or expanding regional sewage collection and treatment systems. In such areas, LDEQ may, on a limited basis, grant permits of limited durations to facilities that agree to tie into a regional collection and treatment system when it becomes available. LDEQ must have absolute assurance that the regional collection system will be available to the facility and the facility will connect to the regional collection system on or before the expiration date of the permit. Such assurance may include a formal agreement between the facility, the owner and operator of the regional wastewater treatment system, and LDEQ. The regional system must have the capacity to treat the additional wastewater. Such a permit may have a duration of less than five years or it may have a five year duration with interim permit limits. The permit will be written based on projected completion dates for the construction of the collection system. The facility will be required to cease all wastewater discharges to Grays Creek and transfer the discharge to the regional collection system once the permit or interim limits expire or the collection system is available to the facility, whichever comes first. If the permit or interim limits expire, but, due to unforeseen circumstances, the availability of the collection system has been temporarily delayed, the duration of the permit or interim limits may be extended. If the availability of the

collection system has been indefinitely delayed, the facility may be required to cease all discharges to Grays Creek. Such facilities may resort to options covered in item 1.b.i. above.

c. LDEQ reassesses Subsegment 040304 (Grays Creek). LDEQ determines that Subsegment 040304 is meeting the appropriate DO criteria and designated uses.

2. Existing discharges of oxygen demanding loads:

Below are the reductions for existing dischargers in the Grays Creek TMDL. Existing facilities discovered to be discharging oxygen-demanding loads without LPDES permits as of the TMDL approval date are to be permitted in accordance with the limits established for existing facilities with permits. Unpermitted facilities that are newly activated or reactivated and discharging after the TMDL approval date may be subjected to enforcement actions and will be required to tie into regional collection and treatment systems, once those systems are available.

a. Facilities (with effluent flow less than or equal to 25,000 gpd) with monthly average limitations of 30 mg/L BOD_5 or weekly average limitations of 45 mg/L BOD_5 will receive a compliance schedule of up to 3 years with final limitations of 10 mg/L BOD_5 / 2 mg/L NH_3 / 5 mg/L DO (with post aeration);

b. Facilities (with effluent flow greater than 25,000 gpd) with limitations of 10 mg/L BOD_5 will receive a compliance schedule of up to 3 years with final limitations of 5 mg/L BOD_5 / 2 mg/L NH_3 / 5 mg/L DO (with post aeration);

c. The following facilities will keep their current limits of 5 mg/L BOD_5 / 2 mg/L NH_3 / 5 mg/L DO:

Grays Creek Subdivision (AI # 145156)
Gulfstream Estates and Gulfstream Townhomes
(AI# 148345)
Stone Hill Subdivision (AI# 150779) (current draft permit)

3. Nutrient monitoring (i.e., reporting for Total Nitrogen and Total Phosphorus) will be required for individual permits. Nutrient monitoring will be added to each general permit series (LAG530000, LAG540000, LAG560000, and LAG570000) upon the next scheduled renewal of each series.

Table 2. Summary of MS4 loading for Grays Creek based on a DO Criterion of 5.0 mg/L

Urban Area	NPDES	MS4 area (Meters square)	Summer MS4 (lbs/day)	Winter MS4 (lbs/day)
Denham Springs	LAR041020	6680085.29	34	32
Livingston Parish	LAR040002	18301827.79	93	87

Table 3. Total Maximum Daily Load (Sum of UBOD[1] and SOD) for a 5.0 mg/L dissolved oxygen standard

ALLOCATION	SUMMER		WINTER	
	% Reduction Required	(MAY-OCT) (lbs/day)	% Reduction Required	(NOV-APR) (lbs/day)
Point Source WLA	85	1182	85	1182
Point Source Reserve MOS (20%)		295		295
Denham Springs MS4 WLA (Nonpoint Loads)	85	28	85	26
Denham Springs MS4 MOS (Nonpoint Source Reserve MOS) (20%)		6		6
Livingston Parish MS4 WLA (Nonpoint Loads)	85	76	85	72
Livingston Parish MS4 MOS (Nonpoint Source Reserve MOS) (20%)		17		15
Nonpoint Loads	85	251	85	237
Nonpoint Source Reserve MOS (20%)		54		50
TMDL		1909		1883

***Note1: UCBOD as stated in this allocation is Ultimate CBOD.
UCBOD to $CBOD_5$ ratio = 2.3 for all treatment levels
Permit allocations are generally based on $CBOD_5$***

040305
Colyell Creek TMDL for Biochemical Oxygen-Demanding Substances
Developed by LDEQ
Approved by EPA on 7/29/2011
Document Date: 6/1/2011

http://www.deq.louisiana.gov/portal/portals/0/technology/tmdl/pdf/Final_Colyell_Creek_040305_TMDL_06012011.pdf

Phase I Permit Implementation

All TMDL, permitting, and enforcement activities will be conducted in accordance with the Clean Water Act, the Louisiana Environmental Regulatory Code, and applicable state laws.

1. New discharges of oxygen-demanding loads:

In general, LDEQ may not be able to permit additional discharges of oxygen-demanding loads due to the impaired status of Colyell Creek. However, in the event that one the following requirements can be attained, LDEQ may permit the new discharge. The typical permit limits will be 5 mg/L BOD_5 / 2 mg/L NH_3 / 5 mg/L DO. Such new facilities may be required to submit an environmental impact assessment to LDEQ's permitting staff, which will conduct a thorough evaluation of the proposed facility based on environmental impacts, economic benefits, an analysis of alternatives, and other pertinent factors.

a. The facility demonstrates that it will provide a significant load reduction of man-made oxygen-demanding constituents to the impaired watershed(s) serviced by the facility. The facility must also contribute to a reduction in the number of facilities discharging to the watershed(s). Facilities that may be considered for permits under this provision include, but are not limited to:

i. A facility that will provide improved sewage treatment to multiple subdivisions previously serviced by wastewater treatment plants that are incapable of treating to tertiary limits.

ii. A facility that will provide sewage collection and treatment to previously unsewered areas in which many of the sanitary discharges from permitted facilities and individual home treatment units were entering an impaired watershed. As a result, the facility would be

expected to provide more efficient treatment to the wastewater and reduce the net loading of oxygen-demanding substances in the watershed.

b. The facility demonstrates that its wastewater will not leave the facility or its property. Significant stormwater events do not apply to this provision. For the purpose of this provision, a significant stormwater event is defined as the 25 year, 24 hour rainfall event or its numerical equivalent, as defined by the Southern Regional Climate Center.

i. Facilities that may be considered under this provision include, but are not limited to:

a. Effluent reduction systems that have been approved by the Louisiana Department of Health and Hospitals.

b. Wastewater treatment plants equipped with overland flow systems in which the effluent will not leave the facility.

c. Wastewater treatment plants equipped with holding ponds that will retain the effluent such that the effluent will not leave the facility.

ii. LDEQ recognizes that some local governments are in the process of building or expanding regional sewage collection and treatment systems. In such areas, LDEQ may, on a limited basis, grant permits of limited durations to facilities that agree to tie into a regional collection and treatment system when it becomes available. LDEQ must have absolute assurance that the regional collection system will be available to the facility and the facility will connect to the regional collection system on or before the expiration date of the permit. Such assurance may include a formal agreement between the facility, the owner and operator of the regional wastewater treatment system, and LDEQ. The regional system must have the capacity to treat the additional wastewater. Such a permit may have a duration of less than five years or it may have a five year duration with interim permit limits. The permit will be written based on projected completion dates for the construction of the collection and treatment system. The facility will be required to cease all wastewater discharges to the Colyell Creek watershed and transfer the discharge to the regional collection system once the permit or interim limits

expire or the collection system is available to the facility, whichever comes first. If the permit or interim limits expire, but, due to unforeseen circumstances, the availability of the collection system has been temporarily delayed, the duration of the permit or interim limits may be extended. If the availability of the collection system has been indefinitely delayed, the facility may be required to cease all discharges to the Colyell Creek watershed. Such facilities may resort to options covered in item 1.b.i. above.

c. LDEQ reassesses Subsegment 040305 (Colyell Creek). LDEQ determines that Subsegment 040305 is meeting the appropriate DO criteria and designated uses.

2. Existing discharges of oxygen demanding loads:

Below are the reductions for existing dischargers in the Colyell Creek TMDL. Existing facilities discovered to be discharging oxygen-demanding loads without LPDES permits as of the TMDL approval date are to be permitted in accordance with the limits established for existing facilities with permits. Unpermitted facilities that are newly activated or reactivated and discharging after the TMDL approval date may be subjected to enforcement actions and will be required to tie into regional collection and treatment systems, once those systems are available.

a. Facilities (with effluent flow less than or equal to 25,000 gpd) with monthly average limitations of 30 mg/L BOD_5 or weekly average limitations of 45 mg/L BOD_5 will receive a compliance schedule of up to 3 years with final limitations of 10 mg/L BOD_5 / 10 mg/L NH_3 (post aeration recommended);

b. Facilities (with effluent flow greater than 25,000 gpd) with limitations of 10 mg/L BOD_5 will receive a compliance schedule of up to 3 years with final limitations of 10 mg/L BOD_5 / 2 mg/L NH_3 (post aeration recommended);

c. The Town of Walker STP (AI#19112) with limitations of 10 mg/L BOD_5 will receive a compliance schedule of up to 3 years with final limitations of 10 mg/L BOD_5 / 2 mg/L NH_3 / 5 mg/L DO (post aeration required);

d. Megan's Way Subdivision (AI#154315) with no current permit will receive a compliance schedule of up to 3 years with final limitations of 10 mg/L BOD_5 / 10 mg/L NH_3 (post aeration recommended);

3. Nutrient monitoring (i.e., reporting for Total Nitrogen and Total Phosphorus) will be required for individual permits. Nutrient monitoring will be added to the general

permit series (LAG530000, LAG540000, LAG560000, and LAG570000) upon the next scheduled renewal of each series.

Phase II will be developed based on the outcome of an ecoregion-based use attainability analysis (UAA) that is currently under development. Based on existing data, this UAA is expected to propose new DO criteria for many of the Pontchartrain Basin TMDLs that are currently being developed. These TMDLs have an EPA backstop due date of March 31, 2012. This new DO criteria is expected to be developed and promulgated within the next two to three years.

In the event the new criteria is not developed and promulgated within five years from the TMDL approval date, LDEQ intends to proceed in the following manner:

Case 1: The UAA study indicates that the current DO criterion is appropriate - the TMDL will be fully implemented based on the existing DO criteria.
Case 2: The UAA is not likely to be completed and/or approved - the TMDL will be fully implemented based on the existing DO criteria.
Case 3: The UAA is in process and is expected to be approved – Phase II of the TMDL will be postponed for a maximum period of 2 years. If the UAA has not been completed at the end of this period, the UAA status will be reviewed again according to Cases 1 - 3.

Table 3. Total Maximum Daily Load (Sum of UCBOD[1], UNBOD, and SOD) for a 5.0 mg/L dissolved oxygen standard

ALLOCATIONS	SUMMER		WINTER	
	% Reduction Required	(MAY-OCT) (lbs/day)	% Reduction Required	(NOV-APR) (lbs/day)
Point Source Wasteload Allocation (WLA)	85	602	85	602
Point Source Reserve MOS (20%)		151		151
Livingston Parish MS4 WLA (Nonpoint Loads)	85	846	85	746
Livingston Parish MS4 MOS (Nonpoint Source Reserve MOS) (20%)		212		186
Town of Walker MS4 WLA (Nonpoint Loads)	85	76	85	67
Town of Walker MS4 MOS (Nonpoint Source Reserve MOS) (20%)		18		16
Nonpoint Loads	85	1571	85	1383
Nonpoint Source Reserve MOS (20%)		393		347
TMDL		3869		3498

***Note1: UCBOD as stated in this allocation is Ultimate CBOD.
UCBOD to $CBOD_5$ ratio = 2.3 for all treatment levels
Permit allocations are generally based on $CBOD_5$***

Subsegment 040501

Joseph's Branch

City of Greensburg	0.11 MGD	10 $CBOD_5$/2 NH_3-N (Summer/May-October) Secondary (Winter/November-April)

Subsegments 040501 (Tickfaw River) and 040504 (Yellow Water River)

TMDLs for Total Dissolved Solids for Selected Subsegments in the Lake Pontchartrain Basin

Developed by Tetra Tech for EPA
Approved by EPA on 3/28/2012
Document Date: 3/21/2012

LDEQ EDMS Document Numbers 8354305 (Report)
and 8354306 (Appendices)

Subsegment 040505 (Ponchatoula Creek and Ponchatoula River)

TMDL for Dissolved Oxygen

Developed by Tetra Tech for EPA
Approved by EPA on 3/28/2012
Document Date: 3/30/2012

LDEQ EDMS Document Numbers 8355444 (Report)
and 8355447 (Appendices)

Subsegment 040603
Selsers Creek TMDL for Biochemical Oxygen-Demanding Substances
Developed by LDEQ
Approved by EPA on 7/29/2011
Document Date: 6/1/2011

http://www.deq.louisiana.gov/portal/portals/0/technology/tmdl/pdf/Final_Selsers_Creek_040603_DO_TMDL_06JUNE2011.pdf

Phase I Permit Implementation

All TMDL, permitting, and enforcement activities will be conducted in accordance with the Clean Water Act, the Louisiana Environmental Regulatory Code, and applicable state laws.

1. New discharges of oxygen-demanding loads:

In general, LDEQ does not intend to permit additional discharges of oxygen-demanding loads. However, in the event that a proposed or existing facility can meet one of the criteria listed below, LDEQ may permit the new discharge. The typical permit limits will be 5 mg/L BOD_5 / 2 mg/L NH_3 / 5 mg/L DO. Such new facilities may be required to submit an environmental impact assessment to LDEQ's permitting staff, which will conduct a thorough evaluation of the proposed facility based on environmental impacts, economic benefits, an analysis of alternatives, and other pertinent factors.

a. The facility demonstrates that it will provide a significant load reduction of man-made oxygen-demanding constituents to the impaired watershed(s) serviced by the facility. The facility must also contribute to a reduction in the number of facilities discharging to the watershed(s). Facilities that may be considered for permits under this provision include, but are not limited to:

i. A facility that will provide improved sewage treatment to multiple subdivisions previously serviced by wastewater treatment plants that are incapable of treating to tertiary limits.

ii. A facility that will provide sewage treatment to previously unsewered areas in which many of the sanitary discharges from permitted facilities and individual home treatment units were entering an impaired watershed. As a result, the facility would be expected to provide more efficient treatment to the wastewater and reduce the net loading of oxygen demanding substances in the watershed.

b. The facility demonstrates that its wastewater will not leave the facility or its property. Significant stormwater events do not apply to this provision. For the purpose of this provision, a significant stormwater event is defined as the 25 year, 24 hour rainfall event or its numerical equivalent, as defined by the Southern Regional Climate Center.

i. Facilities that may be considered under this provision include, but are not limited to:

a. Effluent reduction systems that have been approved by the Louisiana Department of Health and Hospitals.

b. Wastewater treatment plants equipped with overland flow systems in which the effluent will not leave the facility.

c. Wastewater treatment plants equipped with holding ponds that will retain the effluent such that the effluent will not leave the facility.

ii. LDEQ recognizes that some local governments are in the process of building or expanding regional sewage collection and treatment systems. In such areas, LDEQ may, on a limited basis, grant permits of limited durations to facilities that agree to tie into a regional collection and treatment system when it becomes available. LDEQ must have absolute assurance that the regional collection system will be available to the facility and the facility will connect to the regional collection system on or before the expiration date of the permit. Such assurance may include a formal agreement between the facility, the owner and operator of the regional wastewater treatment system, and LDEQ. The regional system must have the capacity to treat the additional wastewater. Such a permit may have a duration of less than five years or it may have a five year duration with interim permit limits. The permit will be written based on projected completion dates for the construction of the collection system. The facility will be required to cease all wastewater discharges to Selsers Creek and transfer the discharge to the regional collection system once the permit or interim limits expire or the collection system is available to the facility, whichever comes first. If the permit or interim limits expire, but, due to unforeseen circumstances, the availability of the collection system has been temporarily delayed, the duration of the permit or interim limits may be extended. If the availability of the collection system has been indefinitely delayed, the facility may be required to cease all discharges to Selsers Creek. Such facilities may resort to options covered in item 1.b.i. above.

c. LDEQ reassesses Subsegment 040603 (Selsers Creek). LDEQ determines that Subsegment 040603 is meeting the appropriate DO criteria and designated uses.

2. Existing discharges of oxygen demanding loads:

Below are the reductions for existing dischargers in the Selsers Creek TMDL. Existing facilities discovered to be discharging oxygen-demanding loads without LPDES permits as of the TMDL approval date are to be permitted in accordance with the limits established for existing facilities with permits. Unpermitted facilities that are newly activated or reactivated and discharging after the TMDL approval date may be subjected to enforcement actions and will be required to tie into regional collection and treatment systems, once those systems are available.

a. Ponchatoula High School – WWTP (AI # 43477) will receive a compliance schedule of up to 3 years with final limitations of 10 mg/L BOD_5 / 10 mg/L NH_3 / 5 mg/L DO (with post aeration);

b. Tangipahoa Parish Sewerage District #1 – Southeast Hammond Regional STP (AI # 40040) will receive a compliance schedule of up to 3 years with final limitations of 10 mg/L BOD_5 / 5 mg/L NH_3 / 5 mg/L DO (with post aeration);

c. All other facilities will receive a compliance schedule of up to 3 years with final limitations of 10 mg/L BOD_5 / 10 mg/L NH_3 (post aeration recommended).

3. Nutrient monitoring (i.e., reporting for Total Nitrogen and Total Phosphorus) will be required for individual permits. Nutrient monitoring will be added to each general permit series (LAG530000, LAG540000, LAG560000, and LAG570000) upon the next scheduled renewal of each series.

Phase II will be developed based on the outcome of an ecoregion-based use attainability analysis (UAA) that is currently under development. This UAA is expected to propose new DO criteria for many of the Pontchartrain Basin TMDLs that are currently being developed. This new DO criteria is expected to be developed and promulgated within the next two to three years.

In the event the new criteria is not developed and promulgated within five years from the TMDL approval date for each individual waterbody, the LDEQ intends to proceed in the following manner:

Case 1: UAA study indicates that the current DO criterion is appropriate - the TMDL will be fully implemented based on the existing DO criteria.
Case 2: The UAA is not likely to be completed and/or approved - the TMDL will be fully implemented based on the existing DO criteria.
Case 3: The UAA is in process and is expected to be approved – Phase II of the TMDL will be postponed for a maximum period of 2 years, at which time the UAA status will be reviewed again according to the criteria set in Cases 1 and 2 above.

Table 3. Total Maximum Daily Load (Sum of UBOD[1] and SOD) for a 5.0 mg/L dissolved oxygen standard

ALLOCATION	SUMMER		WINTER	
	% Reduction Required	(MAY-OCT) (lbs/day)	% Reduction Required	(NOV-APR) (lbs/day)
Point Source WLA	75	229	75	229
Point Source Reserve MOS (20%)		57		57
City of Hammond MS4 WLA (Nonpoint Loads)	75	80	75	68
City of Hammond MS4 MOS (Nonpoint Source Reserve MOS) (20%)		20		17
Nonpoint Loads	75	495	75	420
Nonpoint Source Reserve MOS (20%)		124		105
TMDL		1,005		897

***Note1: UCBOD as stated in this allocation is Ultimate CBOD.
UCBOD to $CBOD_5$ ratio = 2.3 for all treatment levels
Permit allocations are generally based on $CBOD_5$***

Subsegments 040802 and 040803
Lower Tchefuncte River TMDL for Biochemical Oxygen-Demanding Substances
Developed by LDEQ
Approved by EPA on 3/6/2012
Document Date: 2/2/2012

http://www.deq.louisiana.gov/portal/portals/0/technology/tmdl/pdf/Final_Tchefuncte_River_040802_040803_DO_TMDL_02022012.pdf

LDEQ EDMS Document Numbers 8320185 (Report and Appendices A - I) and 8320186 (Appendix J)

Phase I Permit Implementation

All TMDL, permitting, and enforcement activities will be conducted in accordance with the Clean Water Act, the Louisiana Environmental Regulatory Code, and applicable state laws.

1. New discharges of oxygen-demanding loads:

   For Subsegment 040802: Due to the ONRW status of the Tchefuncte River within Subsegment 040802, the waterbody is afforded Tier 3 protection, according to 40 CFR 131.12 (a)(3). New or increased discharges that will cause degradation, as defined in LAC 33:IX.1119.C.4, will not be approved. However, in the event that such a discharge will not cause degradation and one of the requirements below can be attained, LDEQ may permit the new discharge. Such new facilities may be required to submit an environmental impact assessment to LDEQ's permitting staff, which will conduct a thorough evaluation of the proposed facility based on environmental impacts, economic benefits, an analysis of alternatives, and other pertinent factors. The typical permit limits will be 5 mg/L BOD_5 / 2 mg/L NH_3 / 5 mg/L DO.

   For Subsegment 040803: LDEQ expects to be able to permit additional discharges of oxygen-demanding loads. However, due to the impaired status of Subsegments 040802 and 040803 in the 2006 Integrated Report, the delisting of Subsegment 040803 in the 2008 and 2010 Integrated Reports, and the tidal influences, the requirements below are recommended and the permit limits may be 5 mg/L BOD_5 / 2 mg/L NH_3 / 5 mg/L DO so as to prevent future impairments. Such new facilities may be required to submit an environmental impact assessment to LDEQ's permitting staff, which will conduct a thorough evaluation of the proposed facility based on environmental impacts, economic benefits, an analysis of alternatives, and other pertinent factors.

a. The facility demonstrates that it will provide a significant load reduction of man-made oxygen-demanding constituents to the impaired watershed(s) serviced by the facility. The facility must also contribute to a reduction in the number of facilities discharging to the watershed(s). Facilities that may be considered for permits under this provision include, but are not limited to:

    i. A facility that will provide improved sewage treatment to multiple subdivisions previously serviced by wastewater treatment plants that are incapable of treating to tertiary limits.

    ii. A facility that will provide sewage collection and treatment to previously unsewered areas in which many of the sanitary discharges from permitted facilities and individual home treatment units were entering an impaired watershed. As a result, the facility would be expected to provide more efficient treatment to the wastewater and reduce the net loading of oxygen-demanding substances in the watershed.

b. The facility demonstrates that its wastewater will not leave the facility or its property. Significant stormwater events do not apply to this provision. For the purpose of this provision, a significant stormwater event is defined as the 25 year, 24 hour rainfall event or its numerical equivalent, as defined by the Southern Regional Climate Center.

    i. Facilities that may be considered under this provision include, but are not limited to:

        a. Effluent reduction and/or "no discharge" systems that have been approved by the Louisiana Department of Health and Hospitals.

        b. Wastewater treatment plants equipped with overland flow systems in which the effluent will not leave the facility.

        c. Wastewater treatment plants equipped with holding ponds that will retain the effluent such that the effluent will not leave the facility.

    ii. LDEQ recognizes that some local governments are in the process of building or expanding regional sewage collection and treatment systems. In such areas, LDEQ may, on a limited basis, grant permits of limited durations to facilities that agree to tie into a regional collection and treatment system when it becomes available. LDEQ must have absolute assurance that the regional collection system will

be available to the facility and the facility will connect to the regional collection system on or before the expiration date of the permit. Such assurance may include a formal agreement between the facility, the owner and operator of the regional wastewater treatment system, and LDEQ. The regional system must have the capacity to treat the additional wastewater. Such a permit may have a duration of less than five years or it may have a five year duration with interim permit limits. The permit will be written based on projected completion dates for the construction of the collection and treatment system. The facility will be required to cease all wastewater discharges to the Tchefuncte River watershed and transfer the discharge to the regional collection system once the permit or interim limits expire or the collection system is available to the facility, whichever comes first. If the permit or interim limits expire, but, due to unforeseen circumstances, the availability of the collection system has been temporarily delayed, the duration of the permit or interim limits may be extended. If the availability of the collection system has been indefinitely delayed, the facility may be required to consider alternatives. Such alternatives may include processes that lead to a reduction or complete removal of the discharge to the Tchefuncte River, such as those outlined in item 1.b.i above or the use of a different flow path to state waters.

c. LDEQ reassesses Subsegments 040802 and 040803, the Lower Tchefuncte River. LDEQ determines that Subsegments 040802 and 040803 are meeting the appropriate DO criteria and designated uses.

2. Existing discharges of oxygen demanding loads:

The Phase I permit limits for existing dischargers in the Lower Tchefuncte River Watersheds are presented in Tables 5 - 6. Existing facilities discovered to be discharging oxygen-demanding loads without LPDES permits as of the TMDL approval date are to be permitted in accordance with the limits established for existing facilities with permits. Unpermitted facilities that are newly activated or reactivated and discharging after the TMDL approval date may be subjected to enforcement actions and will be required to tie into regional collection and treatment systems, once those systems are available. Once the TMDL is approved, existing facilities may have up to 3 years from their next permit renewal date to meet the interim limits.

3. Nutrient monitoring (i.e., reporting for Total Nitrogen and Total Phosphorus) will be required for individual permits. Nutrient monitoring will be added to the general permit

series (LAG530000, LAG540000, LAG560000, and LAG570000) upon the next scheduled renewal of each series.

Phase II will be developed based on the outcome of a planned ecoregion-based use attainability analysis (UAA). Based on data collected in previous UAA studies, this UAA may propose new DO criteria for many of the Pontchartrain Basin TMDLs that are currently being developed. These TMDLs have an EPA backstop due date of March 31, 2012. This new DO criteria is expected to be developed and promulgated no later than five (5) years after the TMDL approval date.

LDEQ recognizes there may be unpermitted sources of oxygen-demanding loading within the Lake Pontchartrain Basin. These sources may include unpermitted facilities (privately owned treatment units for subdivisions or businesses). LDEQ has been locating unpermitted facilities and updating location information on permitted facilities in the Lake Pontchartrain Basin. The unpermitted facilities are required to apply for the appropriate LPDES (Louisiana Pollutant Discharge Elimination System) permits. These unpermitted sources of oxygen-demanding loading may also include individual treatment units for residential homes and small businesses. These unpermitted sources of loading add to the uncertainty of this TMDL and provide additional justification for the use of the phased TMDL approach.

LDEQ recommends that the primary solutions to the water quality problems for Subsegments 040802 and 040803 include the large-scale regionalization of sewage treatment and the rehabilitation and upgrade of existing problematic (leaks, overflows, improperly sized pipes, etc.) sewage collection and/or treatment systems. In addition, nonpoint loading may contribute to the water quality impairments in Subsegments 040802 and 040803. This includes loading contributed by the MS4 permits for St. Tammany Parish and the City of Mandeville. LDEQ recognizes that portions of the Tchefuncte River may be affected by neighboring wetlands.

The final TMDL loading for Phase I is presented in Tables 7 and 9. The MS4 loading was partitioned from the nonpoint loading, based on drainage areas.

Loading attributed to any MS4 will be included in the WLA. This loading is not intended to be converted into permit limits. The WLA represents the nonpoint loading present within the stream under critical, low-flow conditions, therefore, the WLA does not include stormwater. The MS4 permittee must apply the appropriate BMPs to reduce the nonpoint source loading into the watershed as well as eliminate illicit dischargers. It is recognized that many permitted and unpermitted facilities discharge into the areas regulated by MS4 permits. Dischargers affected by this TMDL are presented in Tables 8 and 10.

Table 5. Interim Limits for 040802 Point Sources

FACILITY	AI NO./ PERMIT NO.	PERMIT EXP DATE (MM/DD/YY)	FACILITY TTYPE	OUT-FALL NO.	OUTFALL DESCRIPTION	RECEIVING WATER	CURRENT EXPECTED FLOW	CURRENT MONTHLY AVERAGE CONCENTRATION LIMITS		INTERIM PHASE I MONTHLY AVERAGE CONCENTRATION LIMITS			
							GPD	BOD5/ CBOD5, mg/L	NH_3-N, mg/L	BOD5/ CBOD5, mg/L	NH_3-N, mg/L	DO, mg/L	MODELING COMMENTS
St. Tammany Parish Stormwater	108405/ LAR041024	12/4/2012	Stormwater	N/A	Ditches to Tchefuncte River	Tchefuncte River	N/A	N/A		N/A	N/A	N/A	MS4 addressed in model and TMDL. This TMDL will not impose permit limits.
City of Mandeville Stormwater	108432/ LAR041008	12/4/2012	Stormwater	N/A	Ditches to Tchefuncte River	Tchefuncte River	N/A	N/A		N/A	N/A	N/A	MS4 addressed in model and TMDL. This TMDL will not impose permit limits.
Consolidated Performance Group	3609/ LAG533345	11/30/2012	STP	001	Ditch to Bayou Tete L'Ours to Tchefuncte River	Bayou Tete L'Ours	100	30		10	5		Modeled
FTB LLC	3885/ LAG531888	11/30/2012	STP	001	Tchefuncte River	Tchefuncte River	320	30		10	10		Modeled
Bedroom Galleries	10614/ LAG533108	11/30/2012	STP	001	By effluent pipe then into Hwy 190 Service Road ditch then into Bayou Tete L'Ours then into the Tchefuncte River	Tchefuncte River	160	30		10	5		Modeled
Trinity Marine Products – Plant #38	17146/ LA0092673	Administratively Continued	STP	001	Via pipe to an unnamed swamp then to the Tchefuncte River	Tchefuncte River	15700	30		10	5		Modeled

FACILITY	AI NO./ PERMIT NO.	PERMIT EXP DATE (MM/DD/YY)	FACILITY TTYPE	OUT-FALL NO.	OUTFALL DESCRIPTION	RECEIVING WATER	CURRENT EXPECTED FLOW	CURRENT MONTHLY AVERAGE CONCENTRATION LIMITS		INTERIM PHASE I MONTHLY AVERAGE CONCENTRATION LIMITS			
							GPD	BOD5/ CBOD5, mg/L	NH_3-N, mg/L	BOD5/ CBOD5, mg/L	NH_3-N, mg/L	DO, mg/L	MODELING COMMENTS
Tchefuncte Harbour Townhomes	19032/ LAG570002	4/30/2014	STP	001	from facility via local drainage, then into the Tchefuncte River	Tchefuncte River	23750	30		10	10		Modeled
Tchefuncte Club Estates	19187/ LA0049379	1/31/2013	STP	001	from facility into the Tchefuncte Club Estates Wetlands, then into the Tchefuncte River, then into Lake Pontchartrain	Tchefuncte River	160000	30		10	10		Modeled
St. Tammany Parish Sewerage District #4	19209/ LA0043583	12/31/2011	STP	001	From facility into Ponchitolawa Creek then into the Tchefuncte River then into Lake Pontchartrain	Ponchitolawa Creek	160000	10		10	5		Modeled

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							GPD	BOD5/ CBOD5, mg/L	NH_3-N, mg/L	BOD5/ CBOD5, mg/L	NH_3-N, mg/L	DO, mg/L	MODELING COMMENTS
Town of Madisonville SD#1	19424/ LA0039730	5/26/2011	STP	001	from facility into an unnamed ditch, then into the DeZaire Canal, then into the Tchefuncte River, then into the Lake Pontchartrain	Bayou DeZaire	200000	10		10	5		Modeled
Westwood Regional POTW	19917/ LA0063991	11/30/2015	STP	001	from facility into the Bayou Tete L'Ours, then into the Tchefuncte River, then into Lake Pontchartrain	Bayou Tete L'Ours	550000	10		10	5	6	Modeled
Preferred Equities WWTP	19919/ LA0117439	3/31/2015	STP	001	from facility into Little Creek, then into Ponchitolawa Creek, then into Tchefuncte River, then into Lake Pontchartrain	Ponchitolawa Creek	129000	10		10	5		Modeled

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							GPD	BOD5/ CBOD5, mg/L	NH_3-N, mg/L	BOD5/ CBOD5, mg/L	NH_3-N, mg/L	DO, mg/L	MODELING COMMENTS
Beau Chene Homeowners Assoc	19941/ LA0044377	4/30/2011	STP	001	from facility by effluent pipe into the Bayou Tete L'Ours, then into the Tchefuncte River, then into Lake Pontchartrain	Bayou Tete L'Ours	603000	10		10	5		Modeled
LA State Police Troop L	22734/ LAG750826	3/14/2014	STP	001	From facility to a storm drain then to Bayou Tete L'Ours then to the Tchefuncte River	Bayou Tete L'Ours	360	30		10	5		Modeled
Levert St. John Inc	27121/ LAG530904	11/30/2012	STP	001	from facility through local drainage, then into the Bayou Tete L'Ours	Bayou Tete L'Ours	200	30		10	5		Modeled
Northlake Veterinary Hospital	35697/ LAG531840	11/30/2012	STP	001	from facility into local drainage then into Bayou Tete L'Ours	Bayou Tete L'Ours	200	30		10	5		Modeled

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							GPD	BOD5/ CBOD5, mg/L	NH_3-N, mg/L	BOD5/ CBOD5, mg/L	NH_3-N, mg/L	DO, mg/L	MODELING COMMENTS
Highway 59 Chevron	40716/ LAG750379	3/14/2014	STP	001	From facility to Little Creek then Bayou Tete L'Ours then to the Tchefuncte River	Bayou Tete L'Ours	5000	30		10	5		Modeled
Madisonville Woods Subdivision	40849/ LAG570486	4/30/2014	STP	001	from facility via pipe to local drainage then to Bayou DeZaire, then into the Tchefuncte River	Bayou DeZaire	12000	30		10	5		Modeled
Faubourg Coquille	40850/ LAG570464	4/30/2014	STP	001	Unnamed drainage ditch then 3.81 miles through Bayou De Zaire then into the Tchefuncte River	Bayou DeZaire	76700	10		10	5		Modeled
Lake Castle School	40878/ LAG540200	4/30/2014	STP	001	from facility by pipe, into a roadside ditch, then into an unnamed ditch, then into local drainage, then into Tchefuncte River	Tchefuncte River	17500	30		10	5		Modeled

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							GPD	BOD5/ CBOD5, mg/L	NH_3-N, mg/L	BOD5/ CBOD5, mg/L	NH_3-N, mg/L	DO, mg/L	MODELING COMMENTS
CLECO Power LLC – St. Tammany Service Center	40981/ LAG530118	11/30/2012	STP	001	from facility into an unnamed ditch, then into Little Creek, then into Ponchitolawa Creek, then into the Tchefuncte River	Ponchitolawa	2000	30		10	5		Modeled
Murphy & Weimer LLC	41290/ LAG530918	11/30/2012	STP	001	from facility through local drainage then into the Bayou Tete L'Ours	Bayou Tete L'Ours	60	30		10	5		Modeled
675 Properties LLC	41483/ LAG531090	11/30/2012	STP	001	from facility through local drainage, then into the Bayou Tete L'Ours, then into Tchefuncte River, then into Lake Pontchartrain	Bayou Tete L'Ours	1500	30		10	5		Modeled

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							GPD	BOD5/ CBOD5, mg/L	NH_3-N, mg/L	BOD5/ CBOD5, mg/L	NH_3-N, mg/L	DO, mg/L	MODELING COMMENTS
Schech Properties	41583/ LAG531907	11/30/2012	STP	001	from facility into an unnamed ditch, then into the Little Creek, then into the Tchefuncte River	Tchefuncte River	120	30		10	5		Modeled
Guidry Investments	41674/ LAG530666	11/30/2012	STP	001	from facility through local drainage, then into the Bayou Tete L'Ours	Bayou Tete L'Ours	180	30		10	5		Modeled
Hwy 59 Properties	41687/ LAG530791	11/30/2012	STP	001	from facility through local drainage, then into the Ponchitolawa Creek	Ponchitolawa	2500	30		10	5		Modeled
Lindsay Properties	41747/ LAG530238	11/30/2012	STP	001	from facility into a roadside ditch, then into, Bayou Tete L'Ours	Bayou Tete L'Ours	240	30		10	5		Modeled
Grace Disciples of Christ Church	41805/ LAG530250	11/30/2012	STP	001	from facility by pipe into an unnamed ditch, then into the Ponchitolawa Creek	Ponchitolawa	1500	30		10	5		Modeled

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							GPD	BOD5/ CBOD5, mg/L	NH_3-N, mg/L	BOD5/ CBOD5, mg/L	NH_3-N, mg/L	DO, mg/L	MODELING COMMENTS
LA Grill Restaurant	42097/ LAG530902	11/30/2012	STP	001	from facility through local drainage, then into the Bayou Tete L'Ours	Bayou Tete L'Ours	3300	30		10	5		Modeled
Safe Harbor Inc WWTP	42248/ LAG532402	11/30/2012	STP	001	from facility into a parish drainage ditch, then into Bayou Tete L'Ours then into the Tchefuncte River	Bayou Tete L'Ours	680	30		10	5		Modeled
Marigny Plaza Shopping Center	42301/ LAG530754	11/30/2012	STP	001	from facility into unnamed drainage ditch, then into Bayou Tete L'Ours	Bayou Tete L'Ours	4000	30		10	5		Modeled
MCH LLC	42450/ LAG530003	11/30/2012	STP	001	from facility into unnamed ditch, then into Ponchitolawa Creek,	Ponchitolawa	800	30		10	5		Modeled
Pineapple Gallery	42562/ LAG530664	11/30/2012	STP	001	from facility through local drainage, then into the Bayou Tete L'Ours	Bayou Tete L'Ours	1772	30		10	5		Modeled

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							GPD	BOD5/ CBOD5, mg/L	NH_3-N, mg/L	BOD5/ CBOD5, mg/L	NH_3-N, mg/L	DO, mg/L	MODELING COMMENTS
Rainforest Carwash	42664/ LAG750162	3/14/2014	STP	001	From facility to local drainage then into unnamed ditch then to the Tchefuncte River	Tchefuncte River	4500	30		10	5		Modeled
H2O Systems Alamosa Park	42666/ LAG570117	5/1/2014	STP	001	from facility into local drainage, then into Ponchitolawa Creek, then into the Tchefuncte River	Ponchitolawa	10000	30		10	5		Modeled
Northlake Precision Inc	42670/ LAG530394	11/30/2012	STP	001	from facility to the Ponchatoula Creek, then to the Tchefuncte River	Ponchitolawa	5000	30		10	5		Modeled
Parish Concrete LLC	42770/ LAG110066	3/14/2014	STP	001	Local drainage then to Ponchitolawa Creek	Ponchitolawa	1200	30		10	5		Modeled
TAHK Holding LLC	42909/ LAG530435	11/30/2012	STP	002	Roadside ditch then to Bayou Tete L'Ours then to the Tchefuncte River	Bayou Tete L'Ours	2110	30		10	5		Modeled

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							GPD	BOD5/ CBOD5, mg/L	NH_3-N, mg/L	BOD5/ CBOD5, mg/L	NH_3-N, mg/L	DO, mg/L	MODELING COMMENTS
Abita Mini Storage	43028/ LAG533094	11/30/2012	STP	003	Roadside ditch then to Ponchitolawa Creek then into to the Tchefuncte River	Ponchitolawa	5000	30		10	5		Modeled
Lazy River Subdivision	43193/ LAG570121	4/30/2014	STP	001	Unnamed ditch then into Bogue Falaya River then into the Tchefuncte River	Tchefuncte River	2800	30		10	10		Modeled
Lake Creek Subdivision	43285/ LAG570465	4/30/2014	STP	001	from facility into unnamed drainage ditch, then into Ponchitolawa Creek, then into the Tchefuncte River	Ponchitolawa	26000	30		10	5		Modeled
Three Rivers Heights Subdivision	43292/ LAG530884	11/30/2012	STP	001	from facility through local drainage, then into the Tchefuncte River	Tchefuncte River	4800	30		10	5		Modeled

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							GPD	BOD5/ CBOD5, mg/L	NH_3-N, mg/L	BOD5/ CBOD5, mg/L	NH_3-N, mg/L	DO, mg/L	MODELING COMMENTS
Hwy 22 Regional STP	43293/ LA0117676	4/30/2011	STP	001	from facility into an unnamed swamp then into the Tchefuncte River	Tchefuncte River	361850	10		10	10		Modeled
Speedway Printing	43338/ LAG530652	11/30/2012	STP	001	Into Highway 190 roadside ditch then into Bayou Tete L'Ours	Bayou Tete L'Ours	80	30		10	5		Modeled
St. Tammany Parish Police Jury	43395/ LAG540697	6/20/2013	STP	001	Parish ditch then to Little Creek then to the Tchefuncte River	Tchefuncte River	9700	30		10	5		Modeled
Covington Country Club Subdivision	43407/ LA0080403	4/29/2011	STP	001	By effluent pipe then into an unnamed ditch then into Bayou Tete L'Ours then into the Tchefuncte River	Bayou Tete L'Ours	190000	10		10	5		Modeled
Winn Dixie #1500	43567/ LAG530560	11/30/2012	STP	001	from facility into a roadside ditch, then into Little Creek	Ponchitolawa	1600	30		10	5		Modeled

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							GPD	BOD5/ CBOD5, mg/L	NH_3-N, mg/L	BOD5/ CBOD5, mg/L	NH_3-N, mg/L	DO, mg/L	MODELING COMMENTS
Southland Real Estate	43569/ LAG530631	11/30/2012	STP	001	from facility into unnamed drainage ditch, then into Little Creek, then into Ponchitolawa Creek	Ponchitolawa Creek	1200	30		10	5		Modeled
Pineapple Management Services	51475/ LAG531025	11/30/2012	STP	001	from facility directly into the Tchefuncte River	Tchefuncte River	400	30		10	10		Modeled
MDF LLC	52161/ LAG530993	11/30/2012	STP	001	from facility into local drainage, then into Ponchitolawa Creek,	Ponchitolawa Creek	40	30		10	5		Modeled
Convenience Store	70936/ LAG531768	11/30/2012	STP	001	from facility via local drainage, then into the Tchefuncte River	Tchefuncte River	80	30		10	10		Modeled
CPH Builders	83996/ LAG531071	11/30/2012	STP	001	from facility through local drainage, then into the Ponchitolawa Creek	Ponchitolawa Creek	200	30		10	5		Modeled

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							GPD	BOD5/ CBOD5, mg/L	NH_3-N, mg/L	BOD5/ CBOD5, mg/L	NH_3-N, mg/L	DO, mg/L	MODELING COMMENTS
Freedom Alarm	86013/ LAG531099	11/30/2012	STP	001	from facility into the Ponchitolawa Creek, then into the Tchefuncte River	Ponchitolawa Creek	400	30		10	5		Modeled
Interior/Exterior Building Supply, L.P.	87672/ LAG533877		STP	001	Local drainage to Ponchitolawa Creek	Ponchitolawa Creek	300	30		10	5		Modeled
Madisonville Chiropractic Clinic	89144/ LAG531787	12/1/2012	STP	001	from facility via pipe to local drainage then to Bayou DeZaire, then into the Tchefuncte River	Bayou DeZaire	740	30		10	5		Modeled
Northshore Toyota	90998/ LAG470114	8/31/2014	STP	001	From facility to an unnamed ditch then to Bayou Monga then to the Tchefuncte River	Tchefuncte River	500	30		10	5		Modeled
Re/Max Northlake Assoc	91000/ LAG531216	11/30/2012	STP	001	from facility into Hwy 21 roadside ditch, then into the Tchefuncte River	Tchefuncte River	140	30		10	5		Modeled

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							GPD	BOD5/ CBOD5, mg/L	NH_3-N, mg/L	BOD5/ CBOD5, mg/L	NH_3-N, mg/L	DO, mg/L	MODELING COMMENTS
Orthopedic Clinic of Mandeville	92493/ LAG531207	11/30/2012	STP	001	from facility into the 6th St. ditch, then into the N. Causeway Blvd ditch, then into Bayou L'Ours	Bayou Tete L'Ours	180	30		10	5		Modeled
Dollar General	93355/ LAG531246	11/30/2012	STP	001	from facility into a roadside ditch, then into the Ponchitolawa Creek, then into the Tchefuncte River	Ponchitolawa Creek	60	30		10	5		Modeled
King Motors LLC	93775/ LAG531300	11/30/2012	STP	001	from facility through local drainage, then into the Ponchitolawa Creek	Ponchitolawa Creek	60	30		10	5		Modeled
Resource Bank	94588/ LAG531420	11/30/2012	STP	001	from facility into roadside ditch then into Little Creek, then into Ponchitolawa Creek, then to the Tchefuncte River	Ponchitolawa Creek	40	30		10	5		Modeled

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							GPD	BOD5/ CBOD5, mg/L	NH_3-N, mg/L	BOD5/ CBOD5, mg/L	NH_3-N, mg/L	DO, mg/L	MODELING COMMENTS
Paintball Command	96283/ LAG531316	11/30/2012	STP	001	from facility into parish drainage ditch, then into Ponchitolawa Creek, then into Tchefuncte River, then into Lake Pontchartrain	Ponchitolawa Creek	60	30		10	5		Modeled
Masterworks Construction	98462/ LAG531266	11/30/2012	STP	001	from facility into the Ponchatoula Creek	Ponchitolawa Creek	2500	30		10	5		Modeled
Northshore Commercial Park	104013/ LAG533245	11/30/2012	STP	001	By gravity fed pipe then 0.69 miles into an unnamed ditch then into Ponchitolawa Creek	Ponchitolawa Creek	600	30		10	5		Modeled
McConnell STP	104964/ LAG531437	11/30/2012	STP	001	from facility into local drainage, then into Bayou Tete L'Ours, then into the Tchefuncte River, then into Lake Pontchartrain	Bayou Tete L'Ours	4600	30		10	5		Modeled

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							GPD	BOD5/ CBOD5, mg/L	NH_3-N, mg/L	BOD5/ CBOD5, mg/L	NH_3-N, mg/L	DO, mg/L	MODELING COMMENTS
Danken Building Material Dist	107686/ LAG531423	11/30/2012	STP	001	from facility into the Hwy 59 ditch, then to Ponchitolawa Creek, then into the Bogue Falaya River, then into the Tchefuncte River, then into Lake Pontchartrain.	Ponchitolawa Creek	160	30		10	5		Modeled
Copper by Tom LLC	107850/ LAG531464	11/30/2012	STP	001	From your facility into local drainage then into Ponchitolawa Creek then into the Tchefuncte River	Ponchitolawa Creek	60	30		10	5		Modeled
Marimax LLC	113918/ LAG531445	11/30/2012	STP	001	Local drainage then into Ponchitolawa Creek then into the Tchefuncte River	Ponchitolawa Creek	200	30		10	5		Modeled

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							GPD	BOD5/ CBOD5, mg/L	NH_3-N, mg/L	BOD5/ CBOD5, mg/L	NH_3-N, mg/L	DO, mg/L	MODELING COMMENTS
Air Systems Design	114926/ LAG531487	11/30/2012	STP	001	from facility into local drainage, then into Ponchitolawa Creek, then into the Tchefuncte River	Ponchitolawa Creek	160	30		10	5		Modeled
2210 7th St. Facility	114933/ LAG531455	11/30/2012	STP	001	from facility into local drainage, then into Bayou Tete L'Ours, then into the Tchefuncte River, then into Lake Pontchartrain	Bayou Tete L'Ours	120	30		10	5		Modeled
Pine Grove Electrical Supply	115272/ LAG531456	11/30/2012	STP	001	From your facility into a highway ditch then into Ponchitolawa Creek then into the Tchefuncte River then into Lake Pontchartrain	Ponchitolawa Creek	400	30		10	5		Modeled

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							GPD	BOD5/ CBOD5, mg/L	NH_3-N, mg/L	BOD5/ CBOD5, mg/L	NH_3-N, mg/L	DO, mg/L	MODELING COMMENTS
Built Rite Construction	115459/ LAG531457	11/30/2012	STP	001	from facility into hwy ditch, then into local drainage, then into Ponchitolawa Creek, then into the Tchefuncte River	Ponchitolawa Creek	120	30		10	5		Modeled
Office Warehouse	115559/ LAG531551	11/30/2012	STP	001	From facility into a highway drainage ditch, then into Ponchitolawa Creek. Then into the Tchefuncte River	Ponchitolawa Creek	180	30		10	5		Modeled
Warriner Controls	115809/ LAG531477	11/30/2012	STP	001	Local drainage then into Ponchitolawa Creek then into the Tchefuncte River then into Lake Pontchartrain	Ponchitolawa Creek	80	30		10	5		Modeled
Gil Copeland	115822/ LAG531705	11/30/2012	STP	001	from facility into local drainage, then into the Ponchitolawa Creek	Ponchitolawa Creek	200	30		10	5		Modeled

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							GPD	BOD5/ CBOD5, mg/L	NH_3-N, mg/L	BOD5/ CBOD5, mg/L	NH_3-N, mg/L	DO, mg/L	MODELING COMMENTS
Omni Storage	115862/ LAG531718	11/30/2012	STP	001	from facility into the Ponchitolawa Creek, then into the Tchefuncte River	Ponchitolawa Creek	340	30		10	5		Modeled
Fabrics Scond to None	115870/ LAG531474	11/30/2012	STP	001	from facility through local drainage, then into the Bayou Tete L'Ours, then into Tchefuncte River, then into Lake Pontchartrain	Bayou Tete L'Ours	160	30		10	5		Modeled
Lanny Cazaux	115920/ LAG531479	11/30/2012	STP	001	Local drainage then into Ponchitolawa Creek then into the Tchefuncte River then into Lake Pontchartrain	Ponchitolawa Creek	40	30		10	5		Modeled
Robert's Hardware & Lumber	115949/ LAG531481	11/30/2012	STP	001	Hwy 59 ditch then into Ponchitolawa Creek then into the Tchefuncte River	Ponchitolawa Creek	300	30		10	5		Modeled

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							GPD	BOD5/ CBOD5, mg/L	NH_3-N, mg/L	BOD5/ CBOD5, mg/L	NH_3-N, mg/L	DO, mg/L	MODELING COMMENTS
Abita Bar-B-Q	116753/ LAG531588	11/30/2012	STP	001	from facility into the Hwy 59 ditch, then to Ponchitolawa Creek, then into the Tchefuncte River	Ponchitolawa Creek	4000	30		10	5		Modeled
Golden Years Geriatric Adult Day Care	116799/ LAG533117	11/30/2012	STP	001	By effluent pipe then into an unnamed ditch then into Bayou Tete L'Ours	Bayou Tete L'Ours	40	30		10	5		Modeled
Les Bois STP	117455/ LAG570246	4/30/2014	STP	001	from facility into an unnamed drainage ditch, then into the Bayou De Zaire, then into the Tchefuncte River	Bayou DeZaire	28400	30		10	5		Modeled
Hwy 59 Properties	117462/ LAG541437	6/30/2013	STP	001	From facility into a roadside drainage ditch, then into Ponchitolawa Creek. Then into the Tchefuncte River	Ponchitolawa Creek	8000	30		10	5		Modeled

FACILITY	AI NO./ PERMIT NO.	PERMIT EXP DATE (MM/DD/YY)	FACILITY TTYPE	OUT-FALL NO.	OUTFALL DESCRIPTION	RECEIVING WATER	CURRENT EXPECTED FLOW	CURRENT MONTHLY AVERAGE CONCENTRATION LIMITS		INTERIM PHASE I MONTHLY AVERAGE CONCENTRATION LIMITS			
							GPD	BOD5/ CBOD5, mg/L	NH_3-N, mg/L	BOD5/ CBOD5, mg/L	NH_3-N, mg/L	DO, mg/L	MODELING COMMENTS
NOL Liberty Facility	117485/ LAG531517	11/30/2012	STP	001	from facility into local drainage, then into Ponchitolawa Creek, then into Tchefuncte River, then into Lake Pontchartrain	Ponchitolawa Creek	1500	30		10	5		Modeled
One Stop	117487/ LAG531486	11/30/2012	STP	001	from facility into local drainage, then into Ponchitolawa Creek, then into Tchefuncte River,	Ponchitolawa Creek	500	30		10	5		Modeled
Marshall Road Warehouse	117680/ LAG531524	11/30/2012	STP	001	from facility into the Ponchitolawa Creek, then into the Tchefuncte River	Ponchitolawa Creek	240	30		10	5		Modeled

FACILITY	AI NO./ PERMIT NO.	PERMIT EXP DATE (MM/DD/YY)	FACILITY TTYPE	OUT-FALL NO.	OUTFALL DESCRIPTION	RECEIVING WATER	CURRENT EXPECTED FLOW	CURRENT MONTHLY AVERAGE CONCENTRATION LIMITS		INTERIM PHASE I MONTHLY AVERAGE CONCENTRATION LIMITS			
							GPD	BOD5/ CBOD5, mg/L	NH_3-N, mg/L	BOD5/ CBOD5, mg/L	NH_3-N, mg/L	DO, mg/L	MODELING COMMENTS
Masonry Products Sales	117754/ LAG531516	11/30/2012	STP	001	from facility into local drainage, then into Ponchitolawa Creek, then into the Tchefuncte River	Ponchitolawa Creek	240	30		10	5		Modeled
Danny's Automotive Service	118223/ LAG470284	8/31/2014	STP	001	By effluent pipe then into Hwy 590 Ditch then into Ponchitolawa Ditch then into the Tchefuncte River	Ponchitolawa Creek	500	30		10	5		Modeled
Guaranty Savings & Homestead Assoc	118278/ LAG531564	11/30/2012	STP	001	from facility into a into a Hwy 190 ditch, then to Bayou Tete L'Ours, then into the Tchefuncte River	Bayou Tete L'Ours	160	30		10	5		Modeled
Ewing Irrigation Golf & Industrial	118339/ LAG531574	11/30/2012	STP	001	Local drainage then into Ponchitolawa Creek then into the Tchefuncte River	Ponchitolawa Creek	60	30		10	5		Modeled

FACILITY	AI NO./ PERMIT NO.	PERMIT EXP DATE (MM/DD/YY)	FACILITY TTYPE	OUT-FALL NO.	OUTFALL DESCRIPTION	RECEIVING WATER	CURRENT EXPECTED FLOW	CURRENT MONTHLY AVERAGE CONCENTRATION LIMITS		INTERIM PHASE I MONTHLY AVERAGE CONCENTRATION LIMITS			
							GPD	BOD5/ CBOD5, mg/L	NH_3-N, mg/L	BOD5/ CBOD5, mg/L	NH_3-N, mg/L	DO, mg/L	MODELING COMMENTS
RSC Equipment Rental Inc	118467/ LAG531534	11/30/2012	STP	001	Through local drainage then to Ponchitolawa Creek	Ponchitolawa Creek	180	30		10	5		Modeled
Post Oak Landing STP	119213/ LAG570244	4/30/2014	STP	001	from facility into unnamed ditch, then into the Bayou DeZaire, then into the Tchefuncte River, then into Lake Pontchartrain	Bayou DeZaire	26000	30		10	5		Modeled
Northlake Pharmacy	120504/ LAG533450	11/30/2012	STP	001	Parish drainage ditch then into Bayou Tete L'Ours then into the Tchefuncte River	Bayou Tete L'Ours	40	30		10	5		Modeled
Fairway Place	121301/ LAG531634	11/30/2012	STP	001	from facility into unnamed drainage ditch, then into Bayou Tete L'Ours, then into the Tchefuncte River	Bayou Tete L'Ours	140	30		10	5		Modeled

FACILITY	AI NO./ PERMIT NO.	PERMIT EXP DATE (MM/DD/YY)	FACILITY TTYPE	OUT-FALL NO.	OUTFALL DESCRIPTION	RECEIVING WATER	CURRENT EXPECTED FLOW	CURRENT MONTHLY AVERAGE CONCENTRATION LIMITS		INTERIM PHASE I MONTHLY AVERAGE CONCENTRATION LIMITS			
							GPD	BOD5/ CBOD5, mg/L	NH_3-N, mg/L	BOD5/ CBOD5, mg/L	NH_3-N, mg/L	DO, mg/L	MODELING COMMENTS
Lakeview Square Office Building	122538/ LAG531660	11/30/2012	STP	001	from facility into local drainage then into Bayou Tete L'Ours	Bayou Tete L'Ours	240	30		10	5		Modeled
Acme Refrigeration	142641/ LAG532117	11/30/2012	STP	001	from facility by pipe into an unnamed ditch, then into Little Creek, then into Ponchitolawa Creek, then into the Tchefuncte River	Ponchitolawa Creek	120	30		10	5		Modeled
A III Warehouse	147797/ LAG532222	11/30/2012	STP	001	from facility into unnamed ditch, then into Ponchitolawa Creek	Ponchitolawa Creek	610	30		10	5		Modeled
St. Tammany Parish Fire Dist #4	148888/ LAG532213	11/30/2012	STP	001	From facility into an unnamed ditch then into Ponchitolawa Creek then into the Tchefuncte River then into Lake Pontchartrain	Ponchitolawa Creek	1000	30		10	5		Modeled

FACILITY	AI NO./ PERMIT NO.	PERMIT EXP DATE (MM/DD/YY)	FACILITY TTYPE	OUT-FALL NO.	OUTFALL DESCRIPTION	RECEIVING WATER	CURRENT EXPECTED FLOW	CURRENT MONTHLY AVERAGE CONCENTRATION LIMITS		INTERIM PHASE I MONTHLY AVERAGE CONCENTRATION LIMITS			
							GPD	BOD5/ CBOD5, mg/L	NH_3-N, mg/L	BOD5/ CBOD5, mg/L	NH_3-N, mg/L	DO, mg/L	MODELING COMMENTS
Merlin Warehouse No 2	148934/ LAG532210	11/30/2012	STP	001	from facility into a parish drainage ditch, then into the Ponchitolawa Creek, then into the Tchefuncte River	Ponchitolawa Creek	80	30		10	5		Modeled
Hydraulic Industries LLC WWTP	149370/ LAG532332	11/30/2012	STP	001	From facility to an unnamed ditch then to Ponchitolawa Creek	Ponchitolawa Creek	40	30		10	5		Modeled
1750 South Lane WWTP	149806/ LAG532270	11/30/2012	STP	001	from facility into unnamed ditch drainage, then into Ponchitolawa Creek	Ponchitolawa Creek	425	30		10	5		Modeled
Hood Chevrolet LLC	151796/ LAG470245	8/31/2014	STP	001	Effluent pipe then into parish drainage ditch then into Ponchitolawa Creek then into the Tchefuncte River	Ponchitolawa Creek	5000	30		10	5		Modeled

FACILITY	AI NO./ PERMIT NO.	PERMIT EXP DATE (MM/DD/YY)	FACILITY TTYPE	OUT-FALL NO.	OUTFALL DESCRIPTION	RECEIVING WATER	CURRENT EXPECTED FLOW	CURRENT MONTHLY AVERAGE CONCENTRATION LIMITS		INTERIM PHASE I MONTHLY AVERAGE CONCENTRATION LIMITS			
							GPD	BOD5/ CBOD5, mg/L	NH_3-N, mg/L	BOD5/ CBOD5, mg/L	NH_3-N, mg/L	DO, mg/L	MODELING COMMENTS
Kalmar Enterprises Plant #2	152015/ LAG110206	3/14/2014	STP	001	East Court, South Lane to 59 to Little Creek then into Pontchartrain Lake	Ponchitolawa Creek	300	30		10	5		Modeled
2213 Causeway Service Road Building	157227/ LAG532851	11/30/2012	STP	001	Unnamed ditch then into Bayou Tete L'Ours then into the Tchefuncte River	Bayou Tete L'Ours	160	30		10	5		Modeled
Omni Storage	158306/ LAG533048	11/30/2012	STP	001	By effluent pipe into an unnamed ditch then 0.24 miles into Black River		320	30		10	5		Modeled
Tchefuncte Animal Hospital	158378/ LAG532900	11/30/2012	STP	001	From facility to Bayou de Zaire via local drainage then into the Tchefuncte River	Bayou DeZaire	2500	30		10	5		Modeled

FACILITY	AI NO./ PERMIT NO.	PERMIT EXP DATE (MM/DD/YY)	FACILITY TTYPE	OUT-FALL NO.	OUTFALL DESCRIPTION	RECEIVING WATER	CURRENT EXPECTED FLOW	CURRENT MONTHLY AVERAGE CONCENTRATION LIMITS		INTERIM PHASE I MONTHLY AVERAGE CONCENTRATION LIMITS			
							GPD	BOD5/ CBOD5, mg/L	NH_3-N, mg/L	BOD5/ CBOD5, mg/L	NH_3-N, mg/L	DO, mg/L	MODELING COMMENTS
Marion F Wilson Building One	160143/ LAG533358	11/30/2012	STP	001	From your facility into an unnamed ditch then into the 4-BW1-2 Branch then into Ponchitolawa Creek then into the Tchefuncte River	Ponchitolawa Creek	100	30		10	5		Modeled
Pyrotecnico LA	163369/ LAG533078	11/30/2012	STP	001	Parish drainage ditch then into Ponchitolawa Creek then into the Tchefuncte River	Ponchitolawa Creek	100	30		10	5		Modeled
Nick's Car Care Inc	163446/ LAG470283	8/31/2014	STP	001	By pipe to the Ponchitolawa Creek via the Highway 59 roadside ditch	Ponchitolawa Creek	5000	30		10	5		Modeled
Standard Materials Mandeville Facility	163484/ LAG110212	3/14/2014	STP	001	By pipe to the Ponchitolawa Creek via a parish drainage ditch	Ponchitolawa Creek	5000	30		10	5		Modeled

FACILITY	AI NO./ PERMIT NO.	PERMIT EXP DATE (MM/DD/YY)	FACILITY TTYPE	OUT-FALL NO.	OUTFALL DESCRIPTION	RECEIVING WATER	CURRENT EXPECTED FLOW	CURRENT MONTHLY AVERAGE CONCENTRATION LIMITS		INTERIM PHASE I MONTHLY AVERAGE CONCENTRATION LIMITS			
							GPD	BOD5/ CBOD5, mg/L	NH_3-N, mg/L	BOD5/ CBOD5, mg/L	NH_3-N, mg/L	DO, mg/L	MODELING COMMENTS
TC's Auto Sales	163511/ LAG470285	8/31/2014	STP	001	By pipe to the Ponchitolawa Creek via the Highway 59 roadside ditch	Ponchitolawa Creek	5000	30		10	5		Modeled
Dixieland Forest Corp	163537/ LAG533100	11/30/2012	STP	001	Unnamed drainage ditch then 6 miles through Ponchitolawa Creek then into the Tchefuncte River	Ponchitolawa Creek	240	30		10	5		Modeled
Fountains & Flowers	163601/ LAG533120	11/30/2012	STP	001	From your facility by effluent pipe then into Highway 59 ditch then into Ponchitolawa Creek	Ponchitolawa Creek	40	30		10	5		Modeled
JK Services	163605/ LAG533130	11/30/2012	STP	001	From your facility by effluent pipe then into an unnamed ditch then .62 miles into Ponchitolawa Creek	Ponchitolawa Creek	140	30		10	5		Modeled

FACILITY	AI NO./ PERMIT NO.	PERMIT EXP DATE (MM/DD/YY)	FACILITY TTYPE	OUT-FALL NO.	OUTFALL DESCRIPTION	RECEIVING WATER	CURRENT EXPECTED FLOW	CURRENT MONTHLY AVERAGE CONCENTRATION LIMITS		INTERIM PHASE I MONTHLY AVERAGE CONCENTRATION LIMITS			
							GPD	BOD5/ CBOD5, mg/L	NH_3-N, mg/L	BOD5/ CBOD5, mg/L	NH_3-N, mg/L	DO, mg/L	MODELING COMMENTS
Saba Stucco LLC	163615/ LAG533096	11/30/2012	STP	001	By effluent pipe then 0.8 miles into an unnamed ditch then into Ponchitolawa Creek	Ponchitolawa Creek	60	30		10	5		Modeled
US Impact	163673/ LAG533093	11/30/2012	STP	001	Unnamed ditch then into Bayou Tete L'Ours then into the Tchefuncte River	Bayou Tete L'Ours	80	30		10	5		Modeled
Microland Computer Center	164595/ LAG533225	11/30/2012	STP	001	From your facility by effluent pipe then into an unnamed ditch then 1.91 miles into Bayou Tete L'Ours	Bayou Tete L'Ours	100	30		10	5		Modeled
KM Stoessell-Seifert Alpha Industrial Park	169804/ LAG533391	11/30/2012	STP	001	Drainage ditch then 5.27 miles through Ponchitolawa Creek then into the Tchefuncte River	Ponchitolawa Creek	1020	30		10	5		Modeled

[a] **This TMDL was developed for critical low-flow conditions (7Q10). Therefore the WLAs for all stormwater discharges will be 0.0 lb/d under critical low flow conditions.**

Table 6. Interim Limits for 040803 Point Sources

FACILITY	AI NO./ PERMIT NO.	PERMIT EXP DATE (MM/DD/YY)	FACILITY TYPE	OUT-FALL NO.	OUTFALL DESCRIPTION	RECEIVING WATER	CURRENT EXPECTED FLOW	CURRENT MONTHLY AVERAGE CONCENTRATION LIMITS			INTERIM PHASE I MONTHLY AVERAGE CONCENTRATION LIMITS			
							GPD	BOD5/ CBOD5, mg/L	NH_3-N, mg/L		BOD5/ CBOD5, mg/L	NH_3-N, mg/L	DO, mg/L	MODELING COMMENTS
St. Tammany Parish Stormwater	108405/ LAR041024	12/4/2012	Stormwater	N/A	Ditches to Tchefuncte River	Tchefuncte River	N/A	N/A			N/A	N/A	N/A	MS4 addressed in model and TMDL. This TMDL will not impose permit limits.
City of Mandeville Stormwater	108432/ LAR041008	12/4/2012	Stormwater	N/A	Ditches to Tchefuncte River	Tchefuncte River	N/A	N/A			N/A	N/A	N/A	MS4 addressed in model and TMDL. This TMDL will not impose permit limits.
Marina Del Ray	18942/ LAG540495	6/30/2013	STP	001	from facility into the Tchefuncte River, then into Lake Pontchartrain	Tchefuncte River	5075	30			30			Modeled
Port Louis Sailing Village Part #1	19470/ LAG570115	4/30/2014	STP	001	from facility into an unnamed ditch,, then into the Lake Pontchartrain	Tchefuncte River	15900	30			30			Modeled
Madisonville on the Lakes	41666/ LAG570023	4/30/2014	STP	001	from facility into an unnamed canal, then into the Tchefuncte River, then into Lake Pontchartrain	Tchefuncte River	29200	30			30			Modeled

FACILITY	AI NO./ PERMIT NO.	PERMIT EXP DATE (MM/DD/YY)	FACILITY TYPE	OUT-FALL NO.	OUTFALL DESCRIPTION	RECEIVING WATER	CURRENT EXPECTED FLOW	CURRENT MONTHLY AVERAGE CONCENTRATION LIMITS			INTERIM PHASE I MONTHLY AVERAGE CONCENTRATION LIMITS			
							GPD	BOD5/ CBOD5, mg/L	NH_3-N, mg/L		BOD5/ CBOD5, mg/L	NH_3-N, mg/L	DO, mg/L	MODELING COMMENTS
T Rivers WWTP	42362/ LAG530346	11/30/2012	STP	001	from facility into an unnamed canal, then into the Tchefuncte River	Tchefuncte River	875	30			30			Modeled
Barge Inn	118159/ LAG531520	11/30/2012	STP	001	from facility directly into the Tchefuncte River	Tchefuncte River	400	30			30			Modeled

[a] **This TMDL was developed for critical low-flow conditions (7Q10). Therefore the WLAs for all stormwater discharges will be 0.0 lb/d under critical low flow conditions.**

Table 7. Subsegment 040802 Total Maximum Daily Load (Sum of UCBOD[1], UNBOD, and SOD) for a 5.0 mg/L dissolved oxygen standard

ALLOCATIONS	SUMMER		WINTER	
	% Reduction Required	(MAY-OCT) (lbs/day)	% Reduction Required	(NOV-APR) (lbs/day)
Point Source Wasteload Allocation (WLA)	Tchefuncte River 67% above Hwy 22, 85% for Ponchitolawa Creek, 85% for Bayou Tete L'Ours above Hwy 190, 76% for Bayou Tete L'Ours below Hwy 190, and 76% for Bayou DeZaire	681	Tchefuncte River 67% above Hwy 22, 85% for Ponchitolawa Creek, 85% for Bayou Tete L'Ours above Hwy 190, 76% for Bayou Tete L'Ours below Hwy 190, and 76% for Bayou DeZaire	681
Point Source Reserve MOS (20%)		170		170
St. Tammany Parish MS4 WLA (Nonpoint Loads)	Tchefuncte River 67% above Hwy 22, 85% for Ponchitolawa Creek, 85% for Bayou Tete L'Ours above Hwy 190, 76% for Bayou Tete L'Ours below Hwy 190, and 76% for Bayou DeZaire	2,552	Tchefuncte River 67% above Hwy 22, 85% for Ponchitolawa Creek, 85% for Bayou Tete L'Ours above Hwy 190, 76% for Bayou Tete L'Ours below Hwy 190, and 76% for Bayou DeZaire	1,963
St. Tammany Parish MS4 MOS (Nonpoint Source Reserve MOS) (20%)		642		491
City of Mandeville MS4 WLA (Nonpoint Loads)	Tchefuncte River 67% above Hwy 22, 85% for Ponchitolawa Creek, 85% for Bayou Tete L'Ours above Hwy 190, 76% for Bayou Tete L'Ours below Hwy 190, and 76% for Bayou DeZaire	169	Tchefuncte River 67% above Hwy 22, 85% for Ponchitolawa Creek, 85% for Bayou Tete L'Ours above Hwy 190, 76% for Bayou Tete L'Ours below Hwy 190, and 76% for Bayou DeZaire	130
City of Mandeville MS4 MOS (Nonpoint Source Reserve MOS) (20%)		43		33
Nonpoint Loads	Tchefuncte River 67% above Hwy 22, 85% for Ponchitolawa Creek, 85% for Bayou Tete L'Ours above Hwy 190, 76% for Bayou Tete L'Ours below Hwy 190, and 76% for Bayou DeZaire	6,366	Tchefuncte River 67% above Hwy 22, 85% for Ponchitolawa Creek, 85% for Bayou Tete L'Ours above Hwy 190, 76% for Bayou Tete L'Ours below Hwy 190, and 76% for Bayou DeZaire	4,895
Nonpoint Source Reserve MOS (20%)		1,601		1,224
TMDL		12,224		9,587

***Note1: UCBOD as stated in this allocation is Ultimate CBOD.
UCBOD to $CBOD_5$ ratio = 2.3 for all treatment levels
Permit allocations are generally based on $CBOD_5$***

Table 8. Summary of MS4 loading for Tchefuncte River Subsegment 040802

Urban Area	Permit Number	MS4 area (acres)	Summer MS4 (lbs/day)	Winter MS4 (lbs/day)
St.Tammany Parish	LAR041024/AI#108405	8,875.4	3,194	2,454
City of Mandeville	LAR041008/AI#108432	588.63	212	163

Table 9. Subsegment 040803 Total Maximum Daily Load (Sum of UCBOD[1], UNBOD, and SOD) for a 4.0 mg/L dissolved oxygen standard

ALLOCATIONS	SUMMER		WINTER	
	% Reduction Required	(MAY-OCT) (lbs/day)	% Reduction Required	(NOV-APR) (lbs/day)
Point Source Wasteload Allocation (WLA)	0% below Hwy 22	57	0% below Hwy 22	57
Point Source Reserve MOS (20%)		14		14
St. Tammany Parish MS4 WLA (Nonpoint Loads)	0% below Hwy 22	15	0% below Hwy 22	12
St. Tammany Parish MS4 MOS (Nonpoint Source Reserve MOS) (20%)		4		3
City of Mandeville MS4 WLA (Nonpoint Loads)	0% below Hwy 22	0	0% below Hwy 22	0
City of Mandeville MS4 MOS (Nonpoint Source Reserve MOS) (20%)		0		0
Nonpoint Loads	0% below Hwy 22	10,709	0% below Hwy 22	8,661
Nonpoint Source Reserve MOS (20%)		2,677		2,165
TMDL		13,476		10,913

Table 10. Summary of MS4 loading for Tchefuncte River Subsegment 040803

Urban Area	Permit Number	MS4 area (acres)	Summer MS4 (lbs/day)	Winter MS4 (lbs/day)
St.Tammany Parish	LAR041024/AI#108405	15.21	19	16
City of Mandeville	LAR041008/AI#108432	0.00	0	0

Subsegments 040901 and 040902
Bayou Lacombe TMDL for Biochemical Oxygen-Demanding Substances
Developed by LDEQ
Approved by EPA on 3/2/2012
Document Date: 2/2/2012

http://www.deq.louisiana.gov/portal/portals/0/technology/tmdl/pdf/Final_Bayou_Lacombe_040901_040902_DO_TMDL_02022012.pdf

LDEQ EDMS Document Number 8301173 (Report and Appendices)

Phase I Permit Implementation

All TMDL, permitting, and enforcement activities will be conducted in accordance with the Clean Water Act, the Louisiana Environmental Regulatory Code, and applicable state laws.

1. New discharges of oxygen-demanding loads:

   Due to the ONRW status of Bayou Lacombe, the waterbody is afforded Tier 3 protection, according to 40 CFR 131.12 (a)(3). New or increased discharges that will cause degradation, as defined in LAC 33:IX.1119.C.4, will not be approved. However, in the event that such a discharge will not cause degradation and one of the requirements below can be attained, LDEQ may permit the new discharge. Such new facilities may be required to submit an environmental impact assessment to LDEQ's permitting staff, which will conduct a thorough evaluation of the proposed facility based on environmental impacts, economic benefits, an analysis of alternatives, and other pertinent factors. The typical permit limits will be 5 mg/L BOD_5 / 2 mg/L NH_3 / 5 mg/L DO.

   a. The facility demonstrates that it will provide a significant load reduction of man-made oxygen-demanding constituents to the impaired watershed(s) serviced by the facility. The facility must also contribute to a reduction in the number of facilities discharging to the watershed(s). Facilities that may be considered for permits under this provision include, but are not limited to:

      i. A facility that will provide improved sewage treatment to multiple subdivisions previously serviced by

wastewater treatment plants that are incapable of treating to tertiary limits.

ii. A facility that will provide sewage collection and treatment to previously unsewered areas in which many of the sanitary discharges from permitted facilities and individual home treatment units were entering an impaired watershed. As a result, the facility would be expected to provide more efficient treatment to the wastewater and reduce the net loading of oxygen-demanding substances in the watershed.

b. The facility demonstrates that its wastewater will not leave the facility or its property. Significant stormwater events do not apply to this provision. For the purpose of this provision, a significant stormwater event is defined as the 25 year, 24 hour rainfall event or its numerical equivalent, as defined by the Southern Regional Climate Center.

i. Facilities that may be considered under this provision include, but are not limited to:

a. Effluent reduction and/or "no discharge" systems that have been approved by the Louisiana Department of Health and Hospitals.

b. Wastewater treatment plants equipped with overland flow systems in which the effluent will not leave the facility.

c. Wastewater treatment plants equipped with holding ponds that will retain the effluent such that the effluent will not leave the facility.

ii. LDEQ recognizes that some local governments are in the process of building or expanding regional sewage collection and treatment systems. In such areas, LDEQ may, on a limited basis, grant permits of limited durations to facilities that agree to tie into a regional collection and treatment system when it becomes available. LDEQ must have absolute assurance that the regional collection system will be available to the

facility and the facility will connect to the regional collection system on or before the expiration date of the permit. Such assurance may include a formal agreement between the facility, the owner and operator of the regional wastewater treatment system, and LDEQ. The regional system must have the capacity to treat the additional wastewater. Such a permit may have a duration of less than five years or it may have a five year duration with interim permit limits. The permit will be written based on projected completion dates for the construction of the collection and treatment system. The facility will be required to cease all wastewater discharges to the Bayou Lacombe watershed and transfer the discharge to the regional collection system once the permit or interim limits expire or the collection system is available to the facility, whichever comes first. If the permit or interim limits expire, but, due to unforeseen circumstances, the availability of the collection system has been temporarily delayed, the duration of the permit or interim limits may be extended. If the availability of the collection system has been indefinitely delayed, the facility may be required to consider alternatives. Such alternatives may include processes that lead to a reduction or complete removal of the discharge to Bayou Lacombe, such as those outlined in item 1.b.i above or the use of a different flow path to state waters.

c. LDEQ reassesses Subsegments 040901 and 040902 (Bayou Lacombe). LDEQ determines that Subsegments 040901 and 040902 are meeting the appropriate DO criteria and designated uses.

2. Existing discharges of oxygen demanding loads:

The Phase I permit limits for existing dischargers in the Bayou Lacombe watershed are presented in Tables 5 - 6. Post-aeration is recommended. Existing facilities discovered to be discharging oxygen-demanding loads without LPDES permits as of the TMDL approval date are to be permitted in accordance with the limits established for existing facilities with permits. Unpermitted facilities that are newly activated or

reactivated and discharging after the TMDL approval date may be subjected to enforcement actions and will be required to tie into regional collection and treatment systems, once those systems are available. Once the TMDL is approved, existing facilities may have up to 3 years from their next permit renewal date to meet the interim limits.

3. Nutrient monitoring (i.e., reporting for Total Nitrogen and Total Phosphorus) will be required for individual permits. Nutrient monitoring will be added to the general permit series (LAG530000, LAG540000, LAG560000, and LAG570000) upon the next scheduled renewal of each series.

Phase II will be developed based on the revised criteria for Subsegments 040901 and 040902. Dissolved oxygen TMDLs for Subsegments 040901 and 040902 have a court-ordered due date of March 31, 2012. The new DO criteria are expected to be developed and promulgated no later than five (5) years after the approval of the TMDL.

LDEQ recognizes there may be unpermitted sources of oxygen-demanding loading within the Lake Pontchartrain Basin. These sources may include unpermitted facilities (privately owned treatment units for subdivisions or businesses). LDEQ has been locating unpermitted facilities and updating location information on permitted facilities in the Lake Pontchartrain Basin. The unpermitted facilities are required to apply for the appropriate LPDES (Louisiana Pollutant Discharge Elimination System) permits. These unpermitted sources of oxygen-demanding loading may also include individual treatment units for residential homes and small businesses. These unpermitted sources of loading add to the uncertainty of this TMDL and provide additional justification for the use of the phased TMDL approach.

Table 5. Interim Limits for 040901 Point Sources

Facility	AI No.	Permit No.	Permit Expiration Date	Facility Type	Outfall No.	Outfall Description from Permit	First Named Receiving Waterbody	Current Expected Flow	Current Monthly Average Concentration Limits			Interim Phase I Monthly Average Concentration Limits			
								GPD	BOD5/CBOD5, mg/L**	NH_3-N, mg/L	DO, mg/L	BOD5/CBOD5, mg/L	NH_3-N, mg/L	DO, mg/L	Modeling Comments
St. Tammany Parish Stormwater	108405	LAR041024	12/4/2012	Stormwater	N/A	Ditches to Bayou Lacombe	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	MS4 addressed in model and TMDL. This TMDL will not impose permit limits.
WTSO Utilities, Beau Village Subdivision	33916	LAG570118	Permit not reauthorized due to outstanding fees or penalties that are past due. EDMS document 8/21/2009.	Oxidation pond	001	Unnamed ditch, Bayou Lacombe	Bayou Lacombe	24,000	10	No limit	No limit	10	2	*	This facility is included in the Beau Village Ditch. The ditch is 3.0 km long, and the facility enters the ditch at RKM 2.9. The ditch enters Bayou Lacombe at RKM 14.6.
Frito-Lay Inc	41574	LAG530665	11/30/2012	STP	001	Unnamed ditch, Bayou Lacombe	Bayou Lacombe	300	45 WA	No limit	No limit	45	*	*	Included in Cluster 1 on Hwy. 434/I-12 BL ditch. The cluster enters the ditch at RKM 1.6. The ditch enters Bayou Lacombe at RKM 19.1.
Central Progressive Bank - Operations Center	43188	LAG530822	11/30/2012	STP	001	Bayou Lacombe	Bayou Lacombe	<2,500	45 WA	No limit	No limit	45	*	*	Included in Cluster 1 on Hwy. 434/I-12 BL ditch. The cluster enters the ditch at RKM 1.6. The ditch enters Bayou Lacombe at RKM 19.1.

Facility	AI No.	Permit No.	Permit Expiration Date	Facility Type	Outfall No.	Outfall Description from Permit	First Named Receiving Waterbody	Current Expected Flow	Current Monthly Average Concentration Limits			Interim Phase I Monthly Average Concentration Limits			
								GPD	BOD5/CBOD5, mg/L**	NH_3-N, mg/L	DO, mg/L	BOD5/CBOD5, mg/L	NH_3-N, mg/L	DO, mg/L	Modeling Comments
Pavestone Co.	52076	LAG480263	11/30/2015	001 & 002: STP	001 & 002	001 & 002: Ditch, Bayou Lacombe	Bayou Lacombe	001: 800, 002: <1,440	001 & 002: 30	No limit	No limit	30	*	*	Included in Cluster 2 on Hwy. 434/I-12 BL ditch. The cluster enters the ditch at RKM 1.4. The ditch enters Bayou Lacombe at RKM 19.1.
Coast Concrete Service Inc	86020	LAG531123	11/30/2012	STP	001	Private ditch, parish ditch, state ditch, Bayou Lacombe	Bayou Lacombe	200	45 WA	No limit	No limit	45	*	*	Included in Cluster 1 on Hwy. 434/I-12 BL ditch. The cluster enters the ditch at RKM 1.6. The ditch enters Bayou Lacombe at RKM 19.1.
US Fish & Wildlife Service - Southeast Louisiana Refuges	93344	LAG531332	11/30/2012	STP	001 (visitor center), 002 (office building)	Bayou Lacombe	Bayou Lacombe	001=560, 002=560	45 WA	No limit	No limit	20	10	*	Assume the facility discharges directly to Bayou Lacombe at RKM 12.7.
North Shore Unitarian Universalist Society Church	94618	LAG531308	11/30/2012	STP	001	Local drainage, Bayou Lacombe	Bayou Lacombe	850	45 WA	No limit	No limit	45	*	*	Included in Cluster 1 on Hwy. 434/I-12 BL ditch. The cluster enters the ditch at RKM 1.6. The ditch enters Bayou Lacombe at RKM 19.1.

Facility	AI No.	Permit No.	Permit Expiration Date	Facility Type	Outfall No.	Outfall Description from Permit	First Named Receiving Waterbody	Current Expected Flow	Current Monthly Average Concentration Limits			Interim Phase I Monthly Average Concentration Limits			
								GPD	BOD5/CBOD5, mg/L**	NH_3-N, mg/L	DO, mg/L	BOD5/CBOD5, mg/L	NH_3-N, mg/L	DO, mg/L	Modeling Comments
Southern Natural Gas Co - Lacombe Compressor Station	94746	LAG531415	11/30/2012	STP	001	Local drainage, unnamed small tributary, Bayou Lacombe	Bayou Lacombe	<2,500	45 WA	No limit	No limit	45	*	*	Assume the flow path is Fish Hatchery Rd ditch-unnamed tributary-Bayou Lacombe. The ditch/trib is 2.1 km long, and the facility enters the ditch at RKM 2.0. The ditch/trib is designated as SNG ditch and enters Bayou Lacombe at RKM 19.4.
Central Progressive Bank - Krentel Road Office/Warehouse Complex	102362	LAG531352	11/30/2012	STP	001	State ditch, Bayou Lacombe	Bayou Lacombe	600	45 WA	No limit	No limit	45	*	*	Included in Cluster 1 on Hwy. 434/I-12 BL ditch. The cluster enters the ditch at RKM 1.6. The ditch enters Bayou Lacombe at RKM 19.1.
Krentel Road Office Building	116987	LAG531504	11/30/2012	STP	001	Local drainage, Bayou Lacombe	Bayou Lacombe	60	45 WA	No limit	No limit	45	*	*	Included in Cluster 1 on Hwy. 434/I-12 BL ditch. The cluster enters the ditch at RKM 1.6. The ditch enters Bayou Lacombe at RKM 19.1.
Lacombe Land LLC - The North Institute Project	118350	LAG531823	11/30/2012	STP	001	Local drainage, Bayou Lacombe	Bayou Lacombe	500	45 WA	No limit	No limit	45	*	*	Included in Cluster 1 on Hwy. 434/I-12 BL ditch. The cluster enters the ditch at RKM 1.6. The ditch enters Bayou Lacombe at RKM 19.1.

Facility	AI No.	Permit No.	Permit Expiration Date	Facility Type	Outfall No.	Outfall Description from Permit	First Named Receiving Waterbody	Current Expected Flow	Current Monthly Average Concentration Limits			Interim Phase I Monthly Average Concentration Limits			
								GPD	BOD5/CBOD5, mg/L**	NH_3-N, mg/L	DO, mg/L	BOD5/CBOD5, mg/L	NH_3-N, mg/L	DO, mg/L	Modeling Comments
St Tammany Parish Government - Keller Barn	119164	LAG480356	11/30/2015	STP	001	Local drainage, Bayou Lacombe	Bayou Lacombe	140	30	No limit	No limit	20	10	*	This facility is included in the Keller Barn Ditch. The ditch is 0.9 km long, and the facility enters the ditch at RKM 0.8. The ditch enters Bayou Lacombe at RKM 17.3.
St Tammany Speedway	120304	LAG531589	11/30/2012	Two oxidation ponds	001	Local drainage, Bayou Lacombe	Bayou Lacombe	2,400	45 WA	No limit	No limit	45	*	*	Assume the flow path is Hwy. 36 ditch then to Bayou Lacombe. This facility was included in the ditch named Hwy. 36 ditch BL. The ditch is 4.2 km long, and the facility enters the ditch at RKM 1.3. The ditch enters Bayou Lacombe at RKM 30.0.
St Tammany Parish Fire District # 3 - St Tammany Fire Station # 33	122894	LAG531702	11/30/2012	STP	001	Unnamed ditch, Bayou Lacombe	Bayou Lacombe	40	45 WA	No limit	No limit	45	*	*	Included in Cluster 1 on Hwy. 434/I-12 BL ditch. The cluster enters the ditch at RKM 1.6. The ditch enters Bayou Lacombe at RKM 19.1.
Lacombe Stores LLC	128325	LAG531876	11/30/2012	STP	001	Hwy. 434 roadside ditch, unnamed tributary of Bayou Lacombe, Bayou Lacombe (verified from map in application	Bayou Lacombe	720	30	No limit	No limit	30	*	*	Included in Cluster 2 on Hwy. 434/I-12 BL ditch. The cluster enters the ditch at RKM 1.4. The ditch enters Bayou Lacombe at RKM 19.1.

Facility	AI No.	Permit No.	Permit Expiration Date	Facility Type	Outfall No.	Outfall Description from Permit	First Named Receiving Waterbody	Current Expected Flow	Current Monthly Average Concentration Limits			Interim Phase I Monthly Average Concentration Limits			
								GPD	BOD5/CBOD5, mg/L**	NH_3-N, mg/L	DO, mg/L	BOD5/CBOD5, mg/L	NH_3-N, mg/L	DO, mg/L	Modeling Comments
						and ArcGIS). (Approximately 0.9 miles from point of discharge to Bayou Lacombe)									
Animal Services Campus - St. Tammany Parish Government	138040	LAG532078	11/30/2012	Extended aeration with chlorination and detention pond	001	Local drainage, Bayou Lacombe	Bayou Lacombe	4,000	30	No limit	No limit	30	*	*	Assume the flow path is Hwy. 36 then Bayou Lacombe. This facility was included in the ditch named Hwy. 36 ditch BL. The ditch is 4.2 km long, and the facility enters the ditch at RKM 4.1. The ditch enters Bayou Lacombe at RKM 30.0.
H&M Metal Express LLC - Patten's Metal Express	149786	LAG532240	11/30/2012	STP	001	Ditch, parish drainage ditch, Bayou Lacombe	Bayou Lacombe	40	45 WA	No limit	No limit	45	*	*	Included in Cluster 1 on Hwy. 434/I-12 BL ditch. The cluster enters the ditch at RKM 1.6. The ditch enters Bayou Lacombe at RKM 19.1.

Facility	AI No.	Permit No.	Permit Expiration Date	Facility Type	Outfall No.	Outfall Description from Permit	First Named Receiving Waterbody	Current Expected Flow	Current Monthly Average Concentration Limits			Interim Phase I Monthly Average Concentration Limits			
								GPD	BOD5/CBOD5, mg/L**	NH_3-N, mg/L	DO, mg/L	BOD5/CBOD5, mg/L	NH_3-N, mg/L	DO, mg/L	Modeling Comments
Journey Fellowship Church Inc	151676	LAG541687	6/30/2013	ATU	001	Retention pond, 2.01 miles in unnamed ditch, Bayou Lacombe	Bayou Lacombe	7,500	30	No limit	No limit	30	*	*	Included in Cluster 2 on Hwy. 434/I-12 BL ditch. The cluster enters the ditch at RKM 1.4. The ditch enters Bayou Lacombe at RKM 19.1.
Axonic, LLC, Neurology Clinic	155402	LAG532735	11/30/2012	ATU	001	Hwy. 434 ditch, other drainage, Bayou Lacombe	Bayou Lacombe	1,000	45 WA	No limit	No limit	45	*	*	Assume the flow path is Hwy. 434 ditch, I-12 ditch, Bayou Lacombe. This facility enters the Hwy. 434/I-12 ditch at RKM 2.6, and the ditch enters Bayou Lacombe at RKM 19.1.
Carmelite Spirituality Center - Sisters of Mt Carmel	157591	LAG532869	11/30/2012	STP	001	Effluent pipe, Bayou Lacombe	Bayou Lacombe	500	45 WA	No limit	No limit	20	10	*	Assume this facility discharges directly to Bayou Lacombe at RKM 15.0.

***No limit for this parameter as a result of this TMDL**

****WA=Weekly Average**

[a] **This TMDL was developed for critical low-flow conditions (7Q10). Therefore the WLAs for all stormwater discharges will be 0.0 lb/d under critical low flow conditions.**

Table 6. Interim Limits for 040902 Point Sources

Facility	AI No.	Permit No.	Permit Expiration Date	Facility Type	Outfall No.	Outfall Description	First Named Receiving Waterbody	Current Expected Flow	Current Monthly Average Concentration Limits			Interim Phase I Monthly Average Concentration Limits			
								GPD	BOD5/CBOD5, mg/L**	NH_3-N, mg/L	DO, mg/L	BOD5/CBOD5, mg/L	NH_3-N, mg/L	DO, mg/L	Modeling Comments
St. Tammany Parish Stormwater	108405	LAR041024	12/4/2012	Stormwater	N/A	Ditches to Bayou Lacombe	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	MS4 addressed in model and TMDL. This TMDL will not impose permit limits.
Lacombe Car Care	6470	LAG531601	11/30/2012	Mechanical treatment plant	001	Unnamed ditch, Bayou Lacombe	Bayou Lacombe	290	45 WA	no limit	no limit	30	15	*	Included in cluster 4 on Hwy. 190 ditch BL. The ditch is 2.2 km long, and the cluster enters the ditch at RKM 1.0. The ditch enters Bayou Lacombe at RKM 11.1.
Brier Lake Utilities Inc - Brier Lake Estates	31079	LAG570209	4/30/2014	Lagoon	001	Cypress Bayou, Bayou Lacombe	Cypress Bayou	40,000	10	no limit	no limit	10	2	*	This facility appears to discharge directly into Cypress Bayou. The facility is located in the portion of Cypress Bayou where there is no data; therefore, the facility was input at RKM 4.8.

Facility	AI No.	Permit No.	Permit Expiration Date	Facility Type	Outfall No.	Outfall Description	First Named Receiving Waterbody	Current Expected Flow	Current Monthly Average Concentration Limits			Interim Phase I Monthly Average Concentration Limits			
								GPD	BOD5/CBOD5, mg/L**	NH_3-N, mg/L	DO, mg/L	BOD5/CBOD5, mg/L	NH_3-N, mg/L	DO, mg/L	Modeling Comments
Goux Enterprises Inc - Lacombe Nursing Home	33986	LAG540330	6/30/2013	STP	001	Local drainage, Bayou Lacombe	Bayou Lacombe	9,800	30	no limit	no limit	20	10	*	Assume the flow path is Hwy. 190 ditch to BL. Included in cluster 6 on Hwy. 190 ditch BL. The ditch is 2.2 km long, and the cluster enters the ditch at RKM 0.3. The ditch enters Bayou Lacombe at RKM 11.1.
Janie Brown's Casual Restaurant	40796	LAG530691	11/30/2012	STP	001	Roadside ditch, Bayou Lacombe	Bayou Lacombe	1,750	30	no limit	no limit	20	10	*	This facility is included in the ditch designated as Hwy. 190 ditch BL. The ditch is 2.2 km long, and the facility enters the ditch at RKM 1.9. The ditch enters Bayou Lacombe at RKM 11.1.
ICO Corp	41881	LAG530256	11/30/2012		001	Cypress Bayou, Bayou Lacombe	Cypress Bayou	80	45 WA	no limit	no limit	20	10	*	Due to the proximity of the facility to Cypress Bayou, assume it's a direct discharge. The facility was input at RKM 4.1.

Facility	AI No.	Permit No.	Permit Expiration Date	Facility Type	Outfall No.	Outfall Description	First Named Receiving Waterbody	Current Expected Flow	Current Monthly Average Concentration Limits			Interim Phase I Monthly Average Concentration Limits			
								GPD	BOD5/CBOD5, mg/L**	NH_3-N, mg/L	DO, mg/L	BOD5/CBOD5, mg/L	NH_3-N, mg/L	DO, mg/L	Modeling Comments
M&Ms Snoballs	42348	LAG530845	11/30/2012	Septic tank	001	Local drainage, Bayou Lacombe	Bayou Lacombe	270	45 WA	no limit	no limit	30	15	*	Assume the flow path is Hwy. 190 ditch to BL. Included in cluster 5 on Hwy. 190 ditch BL. The ditch is 2.2 km long, and the cluster enters the ditch at RKM 0.5. The ditch enters Bayou Lacombe at RKM 11.1.
Regina Coeli Child Development Center - Lacombe/Mandeville Head Start	43023	LAG530456	11/30/2012	Sanitary treatment system	001	Ditch, unnamed stream, Bayou Lacombe	Bayou Lacombe	1,950	30	no limit	no limit	20	10	*	This facility is included in the ditch designated as Hwy. 190 ditch BL. The ditch is 2.2 km long, and the facility enters the ditch at RKM 2.1. The ditch enters Bayou Lacombe at RKM 11.1.
Abraham Williams Apartments	43087	LAG530471	11/30/2012	STP	001	Cousin Street drain, Bayou Lacombe	Bayou Lacombe	1,940	30	no limit	no limit	20	10	*	This facility is not near the other clustered facilities. However, to simplify the model, this facility was included in Cluster 6 on Hwy. 190 ditch BL. The ditch is 2.2 km long, and the cluster enters the ditch at RKM 0.3. The ditch enters Bayou Lacombe at RKM 11.1.

Facility	AI No.	Permit No.	Permit Expiration Date	Facility Type	Outfall No.	Outfall Description	First Named Receiving Waterbody	Current Expected Flow	Current Monthly Average Concentration Limits			Interim Phase I Monthly Average Concentration Limits			
								GPD	BOD5/CBOD5, mg/L**	NH_3-N, mg/L	DO, mg/L	BOD5/CBOD5, mg/L	NH_3-N, mg/L	DO, mg/L	Modeling Comments
Chahta Ima Elementary School	43400	LAG540698	6/30/2013	STP	001	Ditch, Bayou Lacombe	Bayou Lacombe	7,950	30	no limit	no limit	20	10	*	Included in cluster 3 on Hwy. 190 ditch BL. The ditch is 2.2 km long, and the cluster enters the ditch at RKM 1.1. The ditch enters Bayou Lacombe at RKM 11.1.
Bayou Lacombe Middle School	43406	LAG570058	4/30/2014	STP	001	Ditch, Bayou Lacombe	Bayou Lacombe	4,600	10	no limit	no limit	10	5	*	This facility is included in the ditch designated as Hwy. 190 ditch BL. The ditch is 2.2 km long, and the facility enters the ditch at RKM 0.9. The ditch enters Bayou Lacombe at RKM 11.1.
Russell's Quick Stop LLC	70935	LAG532035	11/30/2012	STP	001	Hwy. 190 ditch, Bayou Lacombe	Bayou Lacombe	1,855	30	no limit	no limit	20	10	*	Included in cluster 6 on Hwy. 190 ditch BL. The ditch is 2.2 km long, and the cluster enters the ditch at RKM 0.3. The ditch enters Bayou Lacombe at RKM 11.1

Facility	AI No.	Permit No.	Permit Expiration Date	Facility Type	Outfall No.	Outfall Description	First Named Receiving Waterbody	Current Expected Flow	Current Monthly Average Concentration Limits			Interim Phase I Monthly Average Concentration Limits			
								GPD	BOD5/CBOD5, mg/L**	NH_3-N, mg/L	DO, mg/L	BOD5/CBOD5, mg/L	NH_3-N, mg/L	DO, mg/L	Modeling Comments
J&S Bayou Gas & Go LLC	75143	LAG532912	11/30/2012	STP	001	Local drainage for 0.43 miles, Bayou Lacombe	Bayou Lacombe	120	45 WA	no limit	no limit	30	15	*	Assume the flow path is Hwy. 190 ditch to BL. Included in cluster 5 on Hwy. 190 ditch BL. The ditch is 2.2 km long, and the cluster enters the ditch at RKM 0.5. The ditch enters Bayou Lacombe at RKM 11.1.
A&L Enterprise LLC	75810	LAG532848	11/30/2012	STP	001	Roadside ditch for 1.46 miles, Bayou Lacombe	Bayou Lacombe	100	45 WA	no limit	no limit	30	15	*	Assume the flow path is Hwy. 190 ditch to BL. Included in cluster 5 on Hwy. 190 ditch BL. The ditch is 2.2 km long, and the cluster enters the ditch at RKM 0.5. The ditch enters Bayou Lacombe at RKM 11.1.
J & S Chevron LLC	84112	LAG531082	11/30/2012	STP	001	Local drainage, Bayou Lacombe	Bayou Lacombe	3,100	30	no limit	no limit	20	10	*	Included in cluster 3 on Hwy. 190 ditch BL. The ditch is 2.2 km long, and the cluster enters the ditch at RKM 1.1. The ditch enters Bayou Lacombe at RKM 11.1.

Facility	AI No.	Permit No.	Permit Expiration Date	Facility Type	Outfall No.	Outfall Description	First Named Receiving Waterbody	Current Expected Flow	Current Monthly Average Concentration Limits			Interim Phase I Monthly Average Concentration Limits			
								GPD	BOD5/CBOD5, mg/L**	NH_3-N, mg/L	DO, mg/L	BOD5/CBOD5, mg/L	NH_3-N, mg/L	DO, mg/L	Modeling Comments
Sal & Judy's Restaurant	89241	LAG531238	11/30/2012	STP	001	Bayou Lacombe	Bayou Lacombe	3,630	30	no limit	no limit	20	10	*	Included in cluster 3 on Hwy. 190 ditch BL. The ditch is 2.2 km long, and the cluster enters the ditch at RKM 1.1. The ditch enters Bayou Lacombe at RKM 11.1.
Southeastern Louisiana Water & Sewer Co.,LLC, Medcath WWTP, LA Medical Center & Heart Hospital	94173	LAG570479	4/30/2014	STP	001	Effluent pipe to local drainage pond to Hwy 434 ditch, 1-12 drainage ditch, Big Branch, Bayou Lacombe	Big Branch	60,000	10	no limit	no limit	10	2	*	This facility is included in the Hwy. 434/I-12 BBB ditch. The ditch is 6.5 km long. This facility enters the ditch at RKM 3.7. The ditch enters BBB at RKM 5.8 but there is no stream data at that point; therefore, the ditch will enter BBB at RKM 5.1.

Facility	AI No.	Permit No.	Permit Expiration Date	Facility Type	Outfall No.	Outfall Description	First Named Receiving Waterbody	Current Expected Flow	Current Monthly Average Concentration Limits			Interim Phase I Monthly Average Concentration Limits			
								GPD	BOD5/CBOD5, mg/L**	NH_3-N, mg/L	DO, mg/L	BOD5/CBOD5, mg/L	NH_3-N, mg/L	DO, mg/L	Modeling Comments
Hwy 434 Mini Storage Inc	97944	LAG531397	11/30/2012	STP	001	Local drainage, Bayou Lacombe	Bayou Lacombe	20	45 WA	no limit	no limit	30	15	*	Assume the flow path is Hwy. 434 ditch-Hwy. 190 ditch-Bayou Lacombe. This facility is included in the Hwy 434/190 ditch BL. The ditch is 2.2 km long, and the facility enters the ditch at RKM 2.1. The ditch enters Bayou Lacombe at RKM 11.0.
Carollo's Shopping Center	99609	LAG531547	11/30/2012	ATU	001	Local drainage, highway ditch, Bayou Lacombe	Bayou Lacombe	>2,500 & <5,000	30	no limit	no limit	20	10	*	Included in cluster 2 on Hwy. 190 ditch BL. The ditch is 2.2 km long, and the cluster enters the ditch at RKM 1.3. The ditch enters Bayou Lacombe at RKM 11.1.
OW Inc - Bayou Mini Storage	101375	LAG531325	11/30/2012	Mechanical treatment plant	001	Big Branch, Bayou Lacombe	Big Branch	20	45 WA	no limit	no limit	20	10	*	This facility is included in the Hwy. 190 BBB ditch. The ditch is 1.3 km long. To simplify the model, assume this facility enters the ditch at RKM 0.6. The ditch enters BBB at RKM 0.8.

Facility	AI No.	Permit No.	Permit Expiration Date	Facility Type	Outfall No.	Outfall Description	First Named Receiving Waterbody	Current Expected Flow	Current Monthly Average Concentration Limits			Interim Phase I Monthly Average Concentration Limits			
								GPD	BOD5/CBOD5, mg/L**	NH_3-N, mg/L	DO, mg/L	BOD5/CBOD5, mg/L	NH_3-N, mg/L	DO, mg/L	Modeling Comments
Folger Coffee Co - Lacombe Distribution Center	114220	LAG531459	11/30/2012	STP	001	Roadside ditch, Big Branch Bayou, Bayou Lacombe	Big Branch Bayou	4,000	30	no limit	no limit	20	10	*	Receiving channel is 2.8 km long and the facility enters the channel at RKM 2.8. The channel is named Folger ditch. The channel enters BBB at RKM 5.9; however there is no stream data at this point so the ditch will enter BBB at RKM 4.9. Outfall 001 is est. in the permit after the last treatment unit and before mixing with other waters. The effluent flows through 2 stormwater retention ponds before leaving the facility. The TMDL limits were est. at the point where the discharge leaves the facility. Due to the retention ponds, the facility may be meeting the limits est. in the TMDL and load reductions may not be required.

Facility	AI No.	Permit No.	Permit Expiration Date	Facility Type	Outfall No.	Outfall Description	First Named Receiving Waterbody	Current Expected Flow	Current Monthly Average Concentration Limits			Interim Phase I Monthly Average Concentration Limits			
								GPD	BOD5/CBOD5, mg/L**	NH_3-N, mg/L	DO, mg/L	BOD5/CBOD5, mg/L	NH_3-N, mg/L	DO, mg/L	Modeling Comments
Village Church Lutheran Inc - The Village Church Lutheran	114927	LAG532765	11/30/2012	STP	001	Unnamed ditch, Bayou Lacombe	Bayou Lacombe	2,100	30	no limit	no limit	20	10	*	This facility is not near the other clustered facilities. However, to simplify the model, this facility was included in Cluster 6 on Hwy. 190 ditch BL. The ditch is 2.2 km long, and the cluster enters the ditch at RKM 0.3. The ditch enters Bayou Lacombe at RKM 11.1.
LA Pines Ranch Inc	117076	LAG531595	11/30/2012	Oxidation pond	001	Local drainage, Cypress Bayou, Bayou Lacombe	Cypress Bayou	>2,500 & <5,000	30	no limit	no limit	20	10	*	Aerial maps from Bing show an oxidation pond nearby. Due to the proximity of the facility to Cypress Bayou, assume it's a direct discharge. The facility was input at RKM 3.8.
Tiller of the Land	119584	LAG531543	11/30/2012	STP	001	Hwy. 190 ditch, Cypress Bayou, Bayou Lacombe	Cypress Bayou	100	45 WA	no limit	no limit	20	10	*	This facility was included in the ditch named Hwy. 190 CB ditch. The ditch is 1.6 km long, and the facility enters the ditch at RKM 0.6. The ditch enters Cypress Bayou at a location where there is no stream data; therefore, the ditch will enter Cypress Bayou at RKM 4.6.

Facility	AI No.	Permit No.	Permit Expiration Date	Facility Type	Outfall No.	Outfall Description	First Named Receiving Waterbody	Current Expected Flow	Current Monthly Average Concentration Limits			Interim Phase I Monthly Average Concentration Limits			
								GPD	BOD5/CBOD5, mg/L**	NH_3-N, mg/L	DO, mg/L	BOD5/CBOD5, mg/L	NH_3-N, mg/L	DO, mg/L	Modeling Comments
Highway 434 Retail Space	119750	LAG531587	11/30/2012	STP	001	Local drainage, Bayou Lacombe	Bayou Lacombe	220	30	no limit	no limit	20	10	*	This facility is included in the Hwy 434/190 ditch BL. The ditch is 2.2 km long, and the facility enters the ditch at RKM 0.4. The ditch enters Bayou Lacombe at RKM 11.0.
Pepes Mexican Restaurant LLC	122511	LAG531655	11/30/2012	STP	001	Local drainage, Bayou Lacombe	Bayou Lacombe	1,120	30	no limit	no limit	20	10	*	Assume the flow path is Hwy. 190 ditch to Bayou Lacombe. Included in cluster 6 on Hwy. 190 ditch BL. The ditch is 2.2 km long, and the cluster enters the ditch at RKM 0.3. The ditch enters Bayou Lacombe at RKM 11.1.
Kevin J. Smith Construction Company - Smith Office Building	123821	LAG531695	11/30/2012	STP	001	Unnamed ditch, highway ditch, Cypress Bayou, Bayou Lacombe	Cypress Bayou	200	45 WA	no limit	no limit	20	10	*	Assume that the flow path is Hwy. 190 ditch to Cypress Bayou. This facility was included in the ditch named Hwy. 190 CB ditch. The ditch is 1.6 km long, and the facility enters the ditch at RKM 1.4. The ditch enters Cypress Bayou at a location where there is no stream data; therefore, the ditch will enter Cypress Bayou at RKM 4.6.

Facility	AI No.	Permit No.	Permit Expiration Date	Facility Type	Outfall No.	Outfall Description	First Named Receiving Waterbody	Current Expected Flow	Current Monthly Average Concentration Limits			Interim Phase I Monthly Average Concentration Limits			
								GPD	BOD5/CBOD5, mg/L**	NH_3-N, mg/L	DO, mg/L	BOD5/CBOD5, mg/L	NH_3-N, mg/L	DO, mg/L	Modeling Comments
A to Z Preschool LLC	127495	LAG531853	11/30/2012	STP	001	Unnamed ditch, unnamed slough, Cypress Bayou, Bayou Lacombe	Cypress Bayou	1,700	45 WA	no limit	no limit	20	10	*	Assume that the flow path is Hwy. 190 ditch to Cypress Bayou. This facility was included in the ditch named Hwy. 190 CB ditch. The ditch is 1.6 km long, and the facility enters the ditch at RKM 1.5. The ditch enters Cypress Bayou at a location where there is no stream data; therefore, the ditch will enter Cypress Bayou at RKM 4.6.
St. Tammany Parish Sheriff's Office - Lacombe Substation	130003	LAG531889	11/30/2012	STP	001	Highway ditch, Bayou Lacombe	Bayou Lacombe	500	45 WA	no limit	no limit	30	15	*	Included in cluster 4 on Hwy. 190 ditch BL. The ditch is 2.2 km long, and the cluster enters the ditch at RKM 1.0. The ditch enters Bayou Lacombe at RKM 11.1.
Anna Elliot - 28105 Hwy 190 Building	142046	LAG532100	11/30/2012	ATU	001	Pipe, Unnamed ditch, Bayou Lacombe	Bayou Lacombe	80	45 WA	no limit	no limit	30	15	*	Assume the flow path is Hwy. 190 ditch to BL. Included in cluster 5 on Hwy. 190 ditch BL. The ditch is 2.2 km long, and the cluster enters the ditch at RKM 0.5. The ditch enters Bayou Lacombe at RKM 11.1.

Facility	AI No.	Permit No.	Permit Expiration Date	Facility Type	Outfall No.	Outfall Description	First Named Receiving Waterbody	Current Expected Flow	Current Monthly Average Concentration Limits			Interim Phase I Monthly Average Concentration Limits			
								GPD	BOD5/CBOD5, mg/L**	NH_3-N, mg/L	DO, mg/L	BOD5/CBOD5, mg/L	NH_3-N, mg/L	DO, mg/L	Modeling Comments
Taxpayer Properties II Lacombe LLC - Family Dollar	149801	LAG532247	11/30/2012	STP	001	Hwy. 190 ditch, unnamed canal, Bayou Lacombe	Bayou Lacombe	80	45 WA	no limit	no limit	30	15	*	Included in cluster 4 on Hwy. 190 ditch BL. The ditch is 2.2 km long, and the cluster enters the ditch at RKM 1.0. The ditch enters Bayou Lacombe at RKM 11.1.
Lloyd's Bayou Bargains	151841	LAG532286	11/30/2012	STP	001	Pipe, Main Street ditch, Bayou Lacombe	Bayou Lacombe	180	30	no limit	no limit	20	10	*	To simplify the model, assume the flow path is Hwy. 190 ditch to Bayou Lacombe. Included in cluster 6 on Hwy. 190 ditch BL. The ditch is 2.2 km long, and the cluster enters the ditch at RKM 0.3. The ditch enters Bayou Lacombe at RKM 11.1
US Postal Service - Lacombe Post Office	154892	LAG532531	11/30/2012	STP	001	Unnamed ditch, Bayou Lacombe	Bayou Lacombe	300	45 WA	no limit	no limit	30	15	*	Included in cluster 1 on Hwy. 190 ditch BL. The ditch is 2.2 km long, and the cluster enters the ditch at RKM 1.4. The ditch enters Bayou Lacombe at RKM 11.1.

Facility	AI No.	Permit No.	Permit Expiration Date	Facility Type	Outfall No.	Outfall Description	First Named Receiving Waterbody	Current Expected Flow	Current Monthly Average Concentration Limits			Interim Phase I Monthly Average Concentration Limits			
								GPD	BOD5/CBOD5, mg/L**	NH_3-N, mg/L	DO, mg/L	BOD5/CBOD5, mg/L	NH_3-N, mg/L	DO, mg/L	Modeling Comments
Russell's Quick Stop LLC - Bayou Daiquiris	155069	LAG532568	11/30/2012	STP	001	Parish drainage ditch, Bayou Lacombe	Bayou Lacombe	500	45 WA	no limit	no limit	30	15	*	Assume the flow path is Hwy. 190 ditch to BL. Included in cluster 5 on Hwy. 190 ditch BL. The ditch is 2.2 km long, and the cluster enters the ditch at RKM 0.5. The ditch enters Bayou Lacombe at RKM 11.1.
Python Corporation - Office/Warehouse	156133	LAG532658	11/30/2012	STP	001	Hwy. 190 ditch, Big Branch, Bayou Lacombe	Big Branch	120	45 WA	no limit	no limit	20	10	*	This facility is included in the Hwy. 190 BBB ditch. The ditch is 1.3 km long. This facility enters the ditch at RKM 1.2. The ditch enters BBB at RKM 0.8.
H2O Systems Inc - Cypress Park Subdivision	156693	LA0123862	10/31/2013	STP	001	Cypress Bayou, Bayou Lacombe	Cypress Bayou	120,000	5	2	5	5	2	5	1/1/2011-6/30/2011 DMRs-States no discharge from sample point. Inspection on 10/30/2009 indicated that the sewer plant was never constructed. Not included in the calibration. Included in projections.

Facility	AI No.	Permit No.	Permit Expiration Date	Facility Type	Outfall No.	Outfall Description	First Named Receiving Waterbody	Current Expected Flow	Current Monthly Average Concentration Limits			Interim Phase I Monthly Average Concentration Limits			
								GPD	BOD5/CBOD5, mg/L**	NH_3-N, mg/L	DO, mg/L	BOD5/CBOD5, mg/L	NH_3-N, mg/L	DO, mg/L	Modeling Comments
First Baptist Church of Lacombe	157435	LAG532764	11/30/2012	Septic tank	001	Unnamed drainage ditch, unnamed bayou, Bayou Lacombe	Bayou Lacombe	1,170	30	no limit	no limit	20	10	*	Included in cluster 2 on Hwy. 190 ditch BL. The ditch is 2.2 km long, and the cluster enters the ditch at RKM 1.3. The ditch enters Bayou Lacombe at RKM 11.1.
Feather & Fin Ranch	157509	LA0123986	10/31/2013	Aquaculture wastewater is treated by chlorination pool, sand filter, oxidation pond, and screen. Sanitary wastewater is treated by septic tank, then piped to aquaculture treatment system	001	Local drainage, Big Branch Bayou	Big Branch Bayou	56,000	25	20	no limit	10	10	*	Assume the facility's discharge goes to a ditch along Berry Todd Rd then to Big Branch Bayou. The ditch is 2.0 km long and is named Berry Todd Rd. ditch. The facility enters the ditch at 1.9 km. The ditch enters BBB at RKM 1.9.

Facility	AI No.	Permit No.	Permit Expiration Date	Facility Type	Outfall No.	Outfall Description	First Named Receiving Waterbody	Current Expected Flow	Current Monthly Average Concentration Limits			Interim Phase I Monthly Average Concentration Limits			
								GPD	BOD5/CBOD5, mg/L**	NH_3-N, mg/L	DO, mg/L	BOD5/CBOD5, mg/L	NH_3-N, mg/L	DO, mg/L	Modeling Comments
Vinson Guard Service Inc	157523	LAG532867	11/30/2012	Septic tank	001	2.97 miles by Hwy. 190 ditch, Bayou Lacombe	Bayou Lacombe	60	45 WA	no limit	no limit	30	15	*	This facility is not near the other clustered facilities. However, to simplify the model, this facility was included in Cluster 5 on Hwy. 190 ditch BL. The ditch is 2.2 km long, and the cluster enters the ditch at RKM 0.5. The ditch enters Bayou Lacombe at RKM 11.1.
Cris Tees	157670	LAG532891	11/30/2012	STP	001	Roadside ditch for 1.01 miles, Bayou Lacombe	Bayou Lacombe	20	45 WA	no limit	no limit	30	15	*	Included in cluster 4 on Hwy. 190 ditch BL. The ditch is 2.2 km long, and the cluster enters the ditch at RKM 1.0. The ditch enters Bayou Lacombe at RKM 11.1.
Convention Key Cards LLC - Key Marketing	157721	LAG532793	11/30/2012	STP	001	Unnamed drainage ditch, Bayou Lacombe	Bayou Lacombe	80	45 WA	no limit	no limit	30	15	*	Included in cluster 1 on Hwy. 190 ditch BL. The ditch is 2.2 km long, and the cluster enters the ditch at RKM 1.4. The ditch enters Bayou Lacombe at RKM 11.1.

Facility	AI No.	Permit No.	Permit Expiration Date	Facility Type	Outfall No.	Outfall Description	First Named Receiving Waterbody	Current Expected Flow	Current Monthly Average Concentration Limits			Interim Phase I Monthly Average Concentration Limits			
								GPD	BOD5/CBOD5, mg/L**	NH_3-N, mg/L	DO, mg/L	BOD5/CBOD5, mg/L	NH_3-N, mg/L	DO, mg/L	Modeling Comments
Sacred Heart Catholic Church	157759	LAG532808	11/30/2012	001: STP, 002: STP	001, 002	001: Roadside ditch for 0.89 miles, Bayou Lacombe. 002: Roadside ditch for 0.75 miles, Bayou Lacombe	Bayou Lacombe	2,000	45 WA	no limit	no limit	30	15	*	Assume the flow path is Hwy. 190 ditch to BL. Included in cluster 5 on Hwy. 190 ditch BL. The ditch is 2.2 km long, and the cluster enters the ditch at RKM 0.5. The ditch enters Bayou Lacombe at RKM 11.1.
St Tammany Fire Protection District 3 - Fire Station 32	157767	LAG532801	11/30/2012	STP	001	Unnamed ditch, Cypress Bayou	Cypress Bayou	20	45 WA	no limit	no limit	20	10	*	Assume that the flow path is Hwy. 190 ditch to Cypress Bayou. This facility was included in the ditch named Hwy. 190 CB ditch. The ditch is 1.6 km long, and the facility enters the ditch at RKM 0.9. The ditch enters Cypress Bayou at a location where there is no stream data; therefore, the ditch will enter Cypress Bayou at RKM 4.6.

Facility	AI No.	Permit No.	Permit Expiration Date	Facility Type	Outfall No.	Outfall Description	First Named Receiving Waterbody	Current Expected Flow	Current Monthly Average Concentration Limits			Interim Phase I Monthly Average Concentration Limits			
								GPD	BOD5/CBOD5, mg/L**	NH_3-N, mg/L	DO, mg/L	BOD5/CBOD5, mg/L	NH_3-N, mg/L	DO, mg/L	Modeling Comments
St Tammany Fire Protection District 3 - Administration Office	157768	LAG532807	11/30/2012	STP	001	Roadside ditch, Bayou Lacombe	Bayou Lacombe	80	45 WA	no limit	no limit	30	15	*	Assume the flow path is Hwy. 190 ditch to BL. Included in cluster 5 on Hwy. 190 ditch BL. The ditch is 2.2 km long, and the cluster enters the ditch at RKM 0.5. The ditch enters Bayou Lacombe at RKM 11.1.
Salvatore Impastato - New Orleans Bistro	157850	LAG532899	11/30/2012	STP	001	Unnamed ditch, Bayou Lacombe	Bayou Lacombe	1,580	30	no limit	no limit	20	10	*	Included in cluster 2 on Hwy. 190 ditch BL. The ditch is 2.2 km long, and the cluster enters the ditch at RKM 1.3. The ditch enters Bayou Lacombe at RKM 11.1.
Kingdom Hall of Jehovah's Witnesses	157861	LAG532992	11/30/2012	STP	001	Effluent pipe, 1.13 miles in Hwy. 434 ditch, Bayou Lacombe	Bayou Lacombe	750	45 WA	no limit	no limit	30	15	*	This facility is included in the Hwy 434/190 ditch BL. The ditch is 2.2 km long, and the facility enters the ditch at RKM 0.5. The ditch enters Bayou Lacombe at RKM 11.0.

Facility	AI No.	Permit No.	Permit Expiration Date	Facility Type	Outfall No.	Outfall Description	First Named Receiving Waterbody	Current Expected Flow	Current Monthly Average Concentration Limits			Interim Phase I Monthly Average Concentration Limits			
								GPD	BOD5/CBOD5, mg/L**	NH_3-N, mg/L	DO, mg/L	BOD5/CBOD5, mg/L	NH_3-N, mg/L	DO, mg/L	Modeling Comments
Mottie McClary/Southern Motor Carrier Safety Consultants	157892	LAG532847	11/30/2012	STP	001	Roadside ditch, Cypress Bayou, Bayou Lacombe	Cypress Bayou	40	45 WA	no limit	no limit	20	10	*	To simplify the model, assume that the flow path is Hwy. 190 ditch to Cypress Bayou. This facility was included in the ditch named Hwy. 190 CB ditch. The ditch is 1.6 km long, and the facility enters the ditch at RKM 0.8. The ditch enters Cypress Bayou at a location where there is no stream data; therefore, the ditch will enter Cypress Bayou at RKM 4.6.
St Tammany Parish Government - University Square WWTP	158419	LA0124451	6/30/2014	POTW	001	Pipe, Big Branch Bayou, Bayou Lacombe	Big Branch Bayou	300,000 from effective date of permit through phase II construction. 600,000 from completion of phase II construction through expir date of permit.	10	5	5	---	---	---	Not included in the model since the facility was not built at the time of the survey. There are no plans to start construction in the near future. No allocation was given to this facility.

Facility	AI No.	Permit No.	Permit Expiration Date	Facility Type	Outfall No.	Outfall Description	First Named Receiving Waterbody	Current Expected Flow	Current Monthly Average Concentration Limits			Interim Phase I Monthly Average Concentration Limits			
								GPD	BOD5/CBOD5, mg/L**	NH_3-N, mg/L	DO, mg/L	BOD5/CBOD5, mg/L	NH_3-N, mg/L	DO, mg/L	Modeling Comments
John Davis Park Community Center	162031	LAG533019	11/30/2012	STP	001	0.16 miles by Hwy. 190 ditch, Bayou Lacombe	Bayou Lacombe	5,000	30	no limit	no limit	20	10	*	This facility is not near the other clustered facilities. However, to simplify the model, this facility was included in Cluster 6 on Hwy. 190 ditch BL. The ditch is 2.2 km long, and the cluster enters the ditch at RKM 0.3. The ditch enters Bayou Lacombe at RKM 11.1.
H2O Systems, Inc., St. Tammany Parish Coroner's Complex	165334	LAG533227	11/30/2012	STP	001	Pipe, 1.23 miles in Hwy. 434 ditch, Big Branch Bayou, Bayou Lacombe	Big Branch Bayou	700	45 WA	no limit	no limit	20	10	*	Unable to duplicate flow path. Assume path is Hwy. 434 ditch, I-12 ditch, Big Branch Bayou. This facility is included in the Hwy. 434/I-12 BBB ditch. The ditch is 6.5 km long. This facility enters the ditch at RKM 5.9. The ditch enters BBB at RKM 5.8 but there is no stream data at that point; therefore, the ditch will enter BBB at RKM 5.1.

**WA=Weekly Average

[a] This TMDL was developed for critical low-flow conditions (7Q10). Therefore the WLAs for all stormwater discharges will be 0.0 lb/d under critical low flow conditions.

Table 7. Subsegment 040901 Total Maximum Daily Load (Sum of UCBOD[1], UNBOD, and SOD) for a 5.0 mg/L dissolved oxygen standard

ALLOCATIONS	SUMMER		WINTER	
	% Reduction Required	(MAY-OCT) (lbs/day)	% Reduction Required	(NOV-APR) (lbs/day)
Point Source Wasteload Allocation (WLA)	Bayou Lacombe: 0% Hwy 36 to I-12. 70% I-12 to Hwy 190.	36	Bayou Lacombe: 0% Hwy 36 to I-12. 70% I-12 to Hwy 190.	36
Point Source Reserve MOS (20%)		9		9
St. Tammany Parish MS4 WLA (Nonpoint Loads)	Bayou Lacombe: 0% Hwy 36 to I-12. 70% I-12 to Hwy 190.	4	Bayou Lacombe: 0% Hwy 36 to I-12. 70% I-12 to Hwy 190.	3
St. Tammany Parish MS4 MOS (Nonpoint Source Reserve MOS) (20%)		1		1
Nonpoint Loads	Bayou Lacombe: 0% Hwy 36 to I-12. 70% I-12 to Hwy 190.	1169	Bayou Lacombe: 0% Hwy 36 to I-12. 70% I-12 to Hwy 190.	924
Nonpoint Source Reserve MOS (20%)		292		231
TMDL		1,512		1,204

***Note1: UCBOD as stated in this allocation is Ultimate CBOD.
UCBOD to $CBOD_5$ ratio = 2.3 for all treatment levels
Permit allocations are generally based on $CBOD_5$***

Table 8. Summary of MS4 loading for Bayou Lacombe Subsegment 040901

Urban Area	Permit Number	MS4 area (acres)	Summer MS4 (lbs/day)	Winter MS4 (lbs/day)
St.Tammany Parish	LAR041024/AI#108405	148.2	5	4

Table 9. Subsegment 040902 Total Maximum Daily Load (Sum of UCBOD[1], UNBOD, and SOD) for a 4.0 mg/L dissolved oxygen standard

ALLOCATIONS	SUMMER		WINTER	
	% Reduction Required	(MAY-OCT) (lbs/day)	% Reduction Required	(NOV-APR) (lbs/day)
Point Source Wasteload Allocation (WLA)	Bayou Lacombe: 40% Hwy 190 to Big Branch Bayou. 0% Big Branch Bayou to Cypress Bayou. 0% Cypress Bayou to RKM 6.1. 10% RKM 6.1 to RKM 0.3. 0% RKM 0.3 to Lake Pontchartrain. Big Branch Bayou: 80%. Cypress Bayou: 80%	96	Bayou Lacombe: 40% Hwy 190 to Big Branch Bayou. 0% Big Branch Bayou to Cypress Bayou. 0% Cypress Bayou to RKM 6.1. 10% RKM 6.1 to RKM 0.3. 0% RKM 0.3 to Lake Pontchartrain. Big Branch Bayou: 80%. Cypress Bayou: 80%	96
Point Source Reserve MOS (20%)		24		24
St. Tammany Parish MS4 WLA (Nonpoint Loads)	Bayou Lacombe: 40% Hwy 190 to Big Branch Bayou. 0% Big Branch Bayou to Cypress Bayou. 0% Cypress Bayou to RKM 6.1. 10% RKM 6.1 to RKM 0.3. 0% RKM 0.3 to Lake Pontchartrain. Big Branch Bayou: 80%. Cypress Bayou: 80%	1743	Bayou Lacombe: 40% Hwy 190 to Big Branch Bayou. 0% Big Branch Bayou to Cypress Bayou. 0% Cypress Bayou to RKM 6.1. 10% RKM 6.1 to RKM 0.3. 0% RKM 0.3 to Lake Pontchartrain. Big Branch Bayou: 80%. Cypress Bayou: 80%	1434
St. Tammany Parish MS4 MOS (Nonpoint Source Reserve MOS) (20%)		436		358
Nonpoint Loads	Bayou Lacombe: 40% Hwy 190 to Big Branch Bayou. 0% Big Branch Bayou to Cypress Bayou. 0% Cypress Bayou to RKM 6.1. 10% RKM 6.1 to RKM 0.3. 0% RKM 0.3 to Lake Pontchartrain. Big Branch Bayou: 80%. Cypress Bayou: 80%	8896	Bayou Lacombe: 40% Hwy 190 to Big Branch Bayou. 0% Big Branch Bayou to Cypress Bayou. 0% Cypress Bayou to RKM 6.1. 10% RKM 6.1 to RKM 0.3. 0% RKM 0.3 to Lake Pontchartrain. Big Branch Bayou: 80%. Cypress Bayou: 80%	7318
Nonpoint Source Reserve MOS (20%)		2224		1830
TMDL		13,419		11,059

Table 10. Summary of MS4 loading for Bayou Lacombe Subsegment 040902

Urban Area	Permit Number	MS4 area (acres)	Summer MS4 (lbs/day)	Winter MS4 (lbs/day)
St.Tammany Parish	LAR041024/AI#108405	3440.4	2179	1792

Subsegments 040903 and 040904
Bayou Cane TMDL for Biochemical Oxygen-Demanding Substances
Developed by LDEQ
Approved by EPA on 6/10/2011
Document Date: 2/4/2011

http://www.deq.louisiana.gov/portal/portals/0/technology/tmdl/pdf/Final_Bayou_Cane_040903_040904_TMDL_Report_02042011.pdf

Phase I Permit Implementation

All TMDL, permitting, and enforcement activities will be conducted in accordance with the Clean Water Act, the Louisiana Environmental Regulatory Code, and applicable state laws.

1. New Discharges of oxygen-demanding loads:

Due to the ONRW status of Bayou Cane, the waterbody is afforded Tier 3 protection according to 40 CFR 131.12 (a)(3). New or increased discharges that will cause degradation, as defined in LAC 33:IX.1119.C.4, will not be approved. However, in the event that such a discharge will not cause degradation and one of the following requirements can be attained, LDEQ may permit the new discharge. Such new facilities may be required to submit an environmental impact assessment to LDEQ's permitting staff which will conduct a thorough evaluation of the proposed facility based on environmental impacts, economic benefits, an analysis of alternatives, and other pertinent factors. The typical permit limits will be 5 mg/L BOD_5 / 2 mg/L NH_3 / 5 mg/L DO.

a. The facility demonstrates that it will provide a significant load reduction of man-made oxygen-demanding constituents to the impaired watershed(s) serviced by the facility. The facility must also contribute to a reduction in the number of facilities discharging to the watershed(s). Facilities that may be considered for permits under this provision include, but are not limited to:

i. A facility that will provide improved sewage treatment to multiple subdivisions previously serviced by wastewater treatment plants that are incapable of treating to tertiary limits.

ii. A facility that will provide sewage treatment to previously unsewered areas in which many of the sanitary discharges from permitted facilities and individual home treatment units were entering an impaired watershed. As a result, the facility would be expected to provide more efficient treatment to the wastewater and reduce the net loading of oxygen-demanding substances in the watershed.

b. The facility demonstrates that its wastewater will not leave the facility or its property. Significant stormwater events do not apply to this provision. For

the purpose of this provision, a significant stormwater event is defined as the 25 year, 24 hour rainfall event or its numerical equivalent, as defined by the Southern Regional Climate Center.

i. Facilities that may be considered under this provision include, but are not limited to:

b. Effluent reduction systems that have been approved by the Louisiana Department of Health and Hospitals.

b. Wastewater treatment plants equipped with overland flow systems in which the effluent will not leave the facility.

c. Wastewater treatment plants equipped with holding ponds that will retain the effluent such that the effluent will not leave the facility.

i. LDEQ recognizes that some local governments are in the process of building or expanding regional sewage collection and treatment systems. In such areas, LDEQ may, on a limited basis, grant permits to facilities that agree to tie into a regional collection and treatment system when it becomes available. LDEQ must have reasonable assurance that the facility will connect to the regional collection system. Reasonable assurance may include a formal agreement between the facility, the owner and operator of the regional wastewater treatment system, and LDEQ. The regional system must have the capacity to treat the additional wastewater. Such a permit may have a duration of less than five years or it may have a five year duration with interim permit limits. The facility will be required to cease all wastewater discharges to Bayou Cane and transfer the discharge to the regional collection system once the permit or interim limits expire or the collection system is available to the facility, whichever comes first. Such new facilities will be required to submit an environmental impact assessment to LDEQ's permitting staff which will conduct a thorough evaluation of the proposed facility based on environmental impacts, economic benefits, an analysis of alternatives, and other pertinent factors.

b. LDEQ reassesses Subsegments 040903 and/or 040904 (Bayou Cane). LDEQ determines that Subsegments 040903 and/or 040904 are meeting the appropriate DO criteria and designated uses.

2. Existing Discharges of oxygen-demanding loads:

Below are the reductions for existing dischargers in the Bayou Cane TMDL. Facilities discharging oxygen-demanding loads without LPDES permits as of the TMDL approval date are to be permitted in accordance with the limits established for existing facilities with permits. Unpermitted facilities that are newly activated or reactivated after the TMDL approval date may be subjected to enforcement actions and will be required to tie into regional collection and treatment systems once they are available.

a. The Southeast Louisiana State Hospital (AI# 9371) will receive a compliance schedule of up to 3 years with final limitations of 5 mg/L BOD_5 / 2 mg/L NH_3 / 5 mg/L DO (with post reaeration).

b. All other facilities within the Bayou Cane Watershed will keep existing permits limits for Phase I of the TMDL.

3. Nutrient monitoring (i.e. reporting for Total Nitrogen and Total Phosphorus) will be required for individual permits. Nutrient monitoring will be added to the general permit series (LAG530000, LAG540000, LAG560000, and LAG570000) upon the next scheduled renewal of each series.

Table 2. Total Maximum Daily Load (Sum of UCBOD[1], UNBOD, and SOD) for the current dissolved oxygen criteria of 5.0 (Subsegment 040903) and 4.0 (Subsegment 040904)

ALLOCATION Subsegment 040903	SUMMER		WINTER	
	% Reduction Required	(MAY-OCT) (lbs/day)	% Reduction Required	(NOV-APR) (lbs/day)
Point Source WLA		53		53
Point Source Reserve MOS (20%)		13		13
Nonpoint Source LA	90	7	90	13
Nonpoint Source Reserve MOS Summer (20%) Winter (20%)		2		4
TMDL		75		83
ALLOCATION Subsegment 040904	SUMMER		WINTER	
	% Reduction Required	(MAY-OCT) (lbs/day)	% Reduction Required	(NOV-APR) (lbs/day)
Point Source WLA		1,010		1,010
Point Source Reserve MOS (20%)		254		254
Nonpoint Source LA	60	423	60	348
Nonpoint Source Reserve MOS Summer (20%) Winter (20%)		106		86
TMDL		1,793		1,698

Note 1: UCBOD as stated in this allocation is Ultimate CBOD.
UCBOD to $CBOD_5$ ratio = 2.3 for all treatment levels
Permit allocations are generally based on $CBOD_5$

040905 and 040906 (Bayou Liberty) and 040907 and 040908 (Bayou Bonfouca) TMDL for Biochemical Oxygen-Demanding Substances

Developed by LDEQ
Approved by EPA on 10/19/2011
Document Date: 9/21/2011

http://www.deq.louisiana.gov/portal/portals/0/technology/tmdl/pdf/Final_Liberty_Bonfouca_TMDL_08292011.pdf

Phase I Permit Implementation

All TMDL, permitting, and enforcement activities will be conducted in accordance with the Clean Water Act, the Louisiana Environmental Regulatory Code, and applicable state laws.

2. New discharges of oxygen-demanding loads:

In general, LDEQ may not be able to permit additional discharges of oxygen-demanding loads. However, in the event that one the following requirements can be attained, LDEQ may permit a new discharge. The typical permit limits will be 5 mg/L BOD_5 / 2 mg/L NH_3 / 5 mg/L DO. Such new facilities may be required to submit an environmental impact assessment to LDEQ's permitting staff, which will conduct a thorough evaluation of the proposed facility based on environmental impacts, economic benefits, an analysis of alternatives, and other pertinent factors.

d. The facility demonstrates that it will provide a significant load reduction of man-made oxygen-demanding constituents to the impaired watershed(s) serviced by the facility. The facility must also contribute to a reduction in the number of facilities discharging to the watershed(s). Facilities that may be considered for permits under this provision include, but are not limited to:

i. A facility that will provide improved sewage treatment to multiple subdivisions previously serviced by wastewater treatment plants that are incapable of treating to tertiary limits.

ii. A facility that will provide sewage collection and treatment to previously unsewered areas in which many of the sanitary discharges from permitted facilities and individual home treatment units were entering an impaired watershed. As a result, the facility would be expected to provide more efficient treatment to the wastewater and reduce the net loading of oxygen-demanding substances in the watershed.

e. The facility demonstrates that its wastewater will not leave the facility or its property. Significant stormwater events do not apply to this provision. For the purpose of this provision, a significant stormwater event is defined as the

25 year, 24 hour rainfall event or its numerical equivalent, as defined by the Southern Regional Climate Center.

i. Facilities that may be considered under this provision include, but are not limited to:

a. Effluent reduction systems that have been approved by the Louisiana Department of Health and Hospitals.

d. Wastewater treatment plants equipped with overland flow systems in which the effluent will not leave the facility.

e. Wastewater treatment plants equipped with holding ponds that will retain the effluent such that the effluent will not leave the facility.

ii. LDEQ recognizes that some local governments are in the process of building or expanding regional sewage collection and treatment systems. In such areas, LDEQ may, on a limited basis, grant permits of limited durations to facilities that agree to tie into a regional collection and treatment system when it becomes available. LDEQ must have absolute assurance that the regional collection system will be available to the facility and the facility will connect to the regional collection system on or before the expiration date of the permit. Such assurance may include a formal agreement between the facility, the owner and operator of the regional wastewater treatment system, and LDEQ. The regional system must have the capacity to treat the additional wastewater. Such a permit may have a duration of less than five years or it may have a five year duration with interim permit limits. The permit will be written based on projected completion dates for the construction of the collection and treatment system. The facility will be required to cease all wastewater discharges to the Bayou Liberty watershed and transfer the discharge to the regional collection system once the permit or interim limits expire or the collection system is available to the facility, whichever comes first. If the permit or interim limits expire, but, due to unforeseen circumstances, the availability of the collection system has been temporarily delayed, the duration of the permit or interim limits may be extended. If the availability of the collection system has been indefinitely delayed, the facility may be required to cease all discharges to the Bayou Liberty watershed. Such facilities may resort to options covered in item 1.b.i. above.

c. LDEQ reassesses Subsegments 040905, 040906, 040907, and 040908 (Bayou Liberty and Bayou Bonfouca). LDEQ determines that Subsegments 040905, 040906, 040907, and 040908 is meeting the appropriate DO criteria and designated uses.

2. Existing discharges of oxygen demanding loads:

   The Phase I reductions for existing dischargers in the Bayou Liberty and Bayou Bonfouca Watersheds are presented in Tables 8 - 11. Existing facilities discovered to be discharging oxygen-demanding loads without LPDES permits as of the TMDL approval date are to be permitted in accordance with the limits established for existing facilities with permits. Unpermitted facilities that are newly activated or reactivated and discharging after the TMDL approval date may be subjected to enforcement actions and will be required to tie into regional collection and treatment systems, once those systems are available. Once the TMDL is approved, existing facilities may have up to 3 years from their next permit renewal date to meet the interim limits.

3. Nutrient monitoring (i.e., reporting for Total Nitrogen and Total Phosphorus) will be required for individual permits. Nutrient monitoring will be added to the general permit series (LAG530000, LAG540000, LAG560000, and LAG570000) upon the next scheduled renewal of each series.

Table 8. Interim Limits for 040905 Point Sources

FACILITY	AI NO./ PERMIT NO.	PERMIT EXP DATE (MM/DD/YY)	FACILITY TYPE	OUT-FALL NO.	OUTFALL DESCRIP-TION	RECEIVING WATER	CURRENT EXPECTED FLOW	CURRENT MONTHLY AVERAGE CONCENTRATION LIMITS		INTERIM PHASE I MONTHLY AVERAGE CONCENTRATION LIMITS			
							GPD	BOD5/ CBOD5, mg/L	NH_3-N, mg/L	BOD5/ CBOD5, mg/L	NH_3-N, mg/L	DO, mg/L	MODELING COMMENTS
St. Tammany Parish Stormwater	108405/ LAR041024	12/4/2012	Stormwater	N/A	Ditches to Bayou Liberty	Bayou Liberty	N/A	N/A		N/A	N/A	N/A	MS4 addressed in model and TMDL. This TMDL will not impose permit limits.
City of Slidell Stormwater	108410/ LAR041015	12/4/2012	Stormwater	N/A	Ditches to Bayou Liberty	Bayou Liberty	N/A	N/A		N/A	N/A	N/A	MS4 addressed in model and TMDL. This TMDL will not impose permit limits.
Fernandez-Zimmerle LLC	1609/ LAG533438	12/1/2012	STP	002	Into an unnamed tributary then to Bayou Liberty	Bayou Liberty	200	30		10	10	2	Not Modeled
Fernandez-Zimmerle LLC	1609/ LAG533438	12/1/2012	STP	003	Into an unnamed tributary then to Bayou Liberty	Bayou Liberty	400	30		10	10	2	Not Modeled
Bayou Liberty Water Association	12830/ LAG530716	12/1/2012	STP	001	Hwy 433 ditch to Bayou Liberty	Bayou Liberty	180	30		20	10	2	Modeled
Herron Wire Products Inc.	14221/ LAG532809	12/1/2012	STP	001	Hwy 190 ditch to Bayou Liberty	Bayou Liberty	150	30		20	10	2	Modeled
Coast Waterworks Inc-The Meadows Subdivision	19119/ LA0073148	7/1/2011	STP	001	Pipe to ditch to Bayou Liberty	Bayou Liberty	276000	10		10	2	2	Modeled
LA Water Service Inc-Oakmont Subdivision	19471/ LAG570031	5/1/2014	STP	001	Ditch to Parish Canal to Bayou Liberty	Bayou Liberty	70600	10		10	2	2	Modeled

FACILITY	AI NO./ PERMIT NO.	PERMIT EXP DATE (MM/DD/YY)	FACILITY TYPE	OUT-FALL NO.	OUTFALL DESCRIP-TION	RECEIVING WATER	CURRENT EXPECTED FLOW	CURRENT MONTHLY AVERAGE CONCENTRATION LIMITS		INTERIM PHASE I MONTHLY AVERAGE CONCENTRATION LIMITS			
							GPD	BOD5/ CBOD5, mg/L	NH_3-N, mg/L	BOD5/ CBOD5, mg/L	NH_3-N, mg/L	DO, mg/L	MODELING COMMENTS
Louisiana Water Service Inc-Huntwyck Village	19476/ LA0065714	9/1/2013	STP	001	Pipe to ditch to Bayou Liberty	Bayou Liberty	278000	10		10	5	2	Modeled
Royale Gardens Homeowners Association-Royal Gardens Subdivision	19797/ LAG570046	5/1/2014	STP	001	Bayou Liberty	Bayou Liberty	35000	10		10	10	2	Not Modeled
2315 Hwy 190 Building	27080/ LAG532824	12/1/2012	STP	001	Hwy 190 ditch to Bayou Liberty	Bayou Liberty	320	30		20	10	2	Modeled
Curtis Environmental Utilities Inc-Timber Ridge Subdivision	33837/ LAG570109	5/1/2014	STP	001	Ditch to Bayou Paquet	Bayou Paquet	44400	10		10	5	2	Modeled
The Southern District of Lutheran Church-Missouri Synod	42602/ LAG531992	12/1/2012	STP	001	Unnamed ditch to Bayou Liberty	Bayou Liberty	1600	30		10	10	2	Modeled
Royal Golf Club Inc	43097/ LAG530890	12/1/2012	STP	001	Local drainage to Bayou Liberty	Bayou Liberty	4340	30		10	10	2	Modeled
St Tammany Parish Police Jury-Thompson Road WWTP	43394/ LAG530650	12/1/2012	STP	001	Hwy 190 ditch to Bayou Liberty	Bayou Liberty	20	30		20	10	2	Modeled

FACILITY	AI NO./ PERMIT NO.	PERMIT EXP DATE (MM/DD/YY)	FACILITY TYPE	OUT-FALL NO.	OUTFALL DESCRIP-TION	RECEIVING WATER	CURRENT EXPECTED FLOW	CURRENT MONTHLY AVERAGE CONCENTRATION LIMITS		INTERIM PHASE I MONTHLY AVERAGE CONCENTRATION LIMITS			
							GPD	BOD5/ CBOD5, mg/L	NH_3-N, mg/L	BOD5/ CBOD5, mg/L	NH_3-N, mg/L	DO, mg/L	MODELING COMMENTS
Pit Stop #3	70933/ LAG531535	12/1/2012	STP	001	Hwy 190 ditch to Bayou Liberty	Bayou Liberty	1060	30		20	10	2	Modeled
Liberty Food Store	71168/ LAG531327	12/1/2012	STP	001	Bayou Liberty	Bayou Liberty	570	30		20	10	2	Modeled
Thompson Road Grocery Store #615	74116/ LAG532825	12/1/2012	STP	001	Hwy 190 ditch to Bayou Liberty	Bayou Liberty	80	30		20	10	2	Modeled
Cleco Power LLC-Slidell Service Center	83359/ LAG532103	12/1/2012	STP	001	Local drainage to Bayou Vincent	Bayou Vincent	200	30		20	10	2	Modeled
Butera Investments Inc-Lake Castle Private School	99225/ LAG541304	7/1/2013	STP	001	Unnamed ditch then to Bayou Liberty	Bayou Liberty	8700	30		10	10	2	Modeled
Louisiana Lumber Inc-Construction Project	107578/ LAG531777	12/1/2012	STP	001	Bayou Liberty	Bayou Liberty	400	30		20	10	2	Modeled
ABC Supply Co Inc	113210/ LAG531454	12/1/2012	STP	001	Hwy 190 ditch to Bayou Liberty	Bayou Liberty	140	30		20	10	2	Modeled
G&S Bear Enterprises LLC	117778/ LAG531527	12/1/2012	STP	001	Hwy ditch to Bayou Liberty	Bayou Liberty	160	30		20	10	2	Modeled
Indian Hills RV Park	119158/ LAG541174	7/1/2013	STP	001	Hwy 190 ditch to Bayou Liberty	Bayou Liberty	7875	30		10	10	2	Modeled
Dollar General Store #6578	125413/ LAG531717	12/1/2012	STP	001	Hwy 190 ditch to Bayou Liberty	Bayou Liberty	120	30		20	10	2	Modeled

FACILITY	AI NO./ PERMIT NO.	PERMIT EXP DATE (MM/DD/YY)	FACILITY TYPE	OUT-FALL NO.	OUTFALL DESCRIP-TION	RECEIVING WATER	CURRENT EXPECTED FLOW	CURRENT MONTHLY AVERAGE CONCENTRATION LIMITS		INTERIM PHASE I MONTHLY AVERAGE CONCENTRATION LIMITS			
							GPD	BOD5/ CBOD5, mg/L	NH_3-N, mg/L	BOD5/ CBOD5, mg/L	NH_3-N, mg/L	DO, mg/L	MODELING COMMENTS
Hanna Brothers Extreme Motion Picture Catering	129058/ LAG531861	12/1/2012	STP	001	Local drainage to Bayou Liberty	Bayou Liberty	160	30		20	10	2	Modeled
Gause West Properties-Shopping Center for Faye Wagner	129831/ LAG531980	12/1/2012	STP	001	Ditch to Bayou Liberty	Bayou Liberty	1932	30		20	10	2	Modeled
Omni Storage VI LLC	140231/ LAG532056	8/15/2011	STP	001	Hwy 190 ditch to Bayou Liberty	Bayou Liberty	300	30		20	10	2	Modeled
Airgas Gulf States-WWTP	155400/ LAG532559	12/1/2012	STP	001	Local drainage to Bayou Liberty	Bayou Liberty	140	30		20	10	2	Modeled
CRS Properties LLC-Albers AC & Heating	157679/ LAG532786	12/1/2012	STP	001	Parish drainage to Bayou Liberty	Bayou Liberty	120	30		20	10	2	Modeled
Seventh-Day Adventist Church-WWTP	157724/ LAG532799	12/1/2012	STP	001	Hwy 190 ditch to Bayou Liberty	Bayou Liberty	1250	30		20	10	2	Modeled
Guardian Angels Learning Center II	157922/ LAG532862	12/1/2012	STP	001	Unnamed ditch to Bayou Liberty	Bayou Liberty	930	30		10	10	2	Modeled
Equity Creek Real Estate LLC	157924/ LAG533803	12/1/2012	STP	001	Unnamed ditch to unnamed canal to Bayou Liberty	Bayou Liberty	100	30		20	10	2	Not Modeled
All American Lodge Greatest in Elkdom	157925/ LAG532887	12/1/2012	STP	001	Unnamed ditch to Bayou Liberty	Bayou Liberty	1600	30		20	10	2	Modeled

FACILITY	AI NO./ PERMIT NO.	PERMIT EXP DATE (MM/DD/YY)	FACILITY TYPE	OUT-FALL NO.	OUTFALL DESCRIP-TION	RECEIVING WATER	CURRENT EXPECTED FLOW	CURRENT MONTHLY AVERAGE CONCENTRATION LIMITS		INTERIM PHASE I MONTHLY AVERAGE CONCENTRATION LIMITS			
							GPD	BOD5/ CBOD5, mg/L	NH_3-N, mg/L	BOD5/ CBOD5, mg/L	NH_3-N, mg/L	DO, mg/L	MODELING COMMENTS
RJD Contractors	157926/ LAG533686	12/1/2012	STP	001	Parish drainage to Bayou Bonfouca	Bayou Bonfouca	20	30		20	10	2	Modeled
2319 Hwy 190 Building	157927/ LAG532861	12/1/2012	STP	001	Hwy 190 ditch to Bayou Liberty	Bayou Liberty	40	30		20	10	2	Modeled
2317 Hwy 190 Building	157928/ LAG532860	12/1/2012	STP	001	Hwy 190 ditch to Bayou Liberty	Bayou Liberty	60	30		20	10	2	Modeled
Assunta's Italian Restaurant of Slidell	157931/ LAG532904	12/1/2012	STP	001	Hwy 190 ditch to Bayou Liberty	Bayou Liberty	2900	30		20	10	2	Modeled
Lion Consulting Inc-Lion Multimedia & Consulting	157933/ LAG532890	12/1/2012	STP	001	Hwy 190 ditch to Bayou Liberty	Bayou Liberty	40	30		20	10	2	Modeled
Chill Rite	157934/ LAG532842	12/1/2012	STP	001	Hwy 190 ditch to Bayou Liberty	Bayou Liberty	220	30		20	10	2	Modeled
M & R File Service LLC-Russell & Michelle Bolotte	163444/ LAG533101	12/1/2012	STP	001	Parish ditch to unnamed tributary to Bayou Liberty	Bayou Liberty	60	30		20	10	2	Modeled
Southern Pipe	168384/ LAG533350	12/1/2012	STP	001	By effluent pipe then into an unnamed ditch then into an unnamed canal then into Bayou Liberty	Bayou Liberty	80	30		10	10	2	Not Modeled

FACILITY	AI NO./ PERMIT NO.	PERMIT EXP DATE (MM/DD/YY)	FACILITY TYPE	OUT-FALL NO.	OUTFALL DESCRIP-TION	RECEIVING WATER	CURRENT EXPECTED FLOW	CURRENT MONTHLY AVERAGE CONCENTRATION LIMITS		INTERIM PHASE I MONTHLY AVERAGE CONCENTRATION LIMITS			
							GPD	BOD5/ CBOD5, mg/L	NH_3-N, mg/L	BOD5/ CBOD5, mg/L	NH_3-N, mg/L	DO, mg/L	MODELING COMMENTS
Carl Hodge Rental	169771/ LAG533393	12/1/2012	STP	001	Into an unnamed drainage ditch then into Bayou Bonfouca	Bayou Bonfouca	160	30		10	10	2	Not Modeled
Diversified Oil Field Services Inc	169801/ LA0125334	1/1/2016	STP	001	Into a roadside ditch then into Bayou Vincent then into Bayou Bonfouca	Bayou Vincent	400	30		10	10	2	Not Modeled

[a] **This TMDL was developed for critical low-flow conditions (7Q10). Therefore the WLAs for all stormwater discharges will be 0.0 lb/d under critical low flow conditions.**

Table 9. Interim Limits for 040906 Point Sources

FACILITY	AI NO./ PERMIT NO.	PERMIT EXP DATE (MM/DD/YY)	FACILITY YPE	OUT-FALL NO.	OUTFALL DESCRIP-TION	RECEIVING WATER	CURRENT EXPECTED FLOW	CURRENT MONTHLY AVERAGE CONCENTRATION LIMITS		TMDL FLOW	INTERIM PHASE I MONTHLY AVERAGE CONCENTRATION LIMITS			
							GPD	BOD5/ CBOD5, mg/L	NH_3-N, mg/L	GPD	BOD5/ CBOD5, mg/L	NH_3-N, mg/L	DO, mg/L	MODELING COMMENTS
St. Tammany Parish Stormwater	108405/ LAR041024	12/4/2012	Stormwater	N/A	Ditches to Bayou Liberty	Bayou Liberty	N/A	N/A		N/A	N/A	N/A	N/A	MS4 addressed in model and TMDL. This TMDL will not impose permit limits.
City of Slidell Stormwater	108410/ LAR041015	12/4/2012	Stormwater	N/A	Ditches to Bayou Liberty	Bayou Liberty	N/A	N/A		N/A	N/A	N/A	N/A	MS4 addressed in model and TMDL. This TMDL will not impose permit limits.
R&D Automotive	24329/ LAG470270	9/1/2014	STP	001	Into an unnamed drainage ditch then into unnamed parish drainage then into Bayou Liberty	Bayou Liberty	500	30		N/A	10	10	2	Not Modeled
Acts 1 Tax Service Inc	40483/ LAG530841	12/1/2012	STP	001	Local drainage to Bayou Paquet	Bayou Paquet	60	30		75	20	10	5	Modeled
NC Investments LLC-Mom & Dad's Consignment Store	43141/ LAG532804	12/1/2012	STP	001	Ditch to Bayou Paquet	Bayou Paquet	40	30		50	20	10	2	Modeled
Waste Management of LA LLC-St. Tam Hauling Ctr	76287/ LA0078778	6/1/2010	STP	001	Hwy 190 ditch to Bayou Paquet	Bayou Paquet	500	30		625	20	10	2	Modeled

FACILITY	AI NO./ PERMIT NO.	PERMIT EXP DATE (MM/DD/YY)	FACILITY TYPE	OUT-FALL NO.	OUTFALL DESCRIP-TION	RECEIVING WATER	CURRENT EXPECTED FLOW	CURRENT MONTHLY AVERAGE CONCENTRATION LIMITS		TMDL FLOW	INTERIM PHASE I MONTHLY AVERAGE CONCENTRATION LIMITS			
							GPD	BOD5/ CBOD5, mg/L	NH_3-N, mg/L	GPD	BOD5/ CBOD5, mg/L	NH_3-N, mg/L	DO, mg/L	MODELING COMMENTS
A-1 Remodeling & Building Inc	93349/ LAG531273	12/1/2012	STP	001	Hwy 190 ditch to Bayou Liberty	Bayou Liberty	200	30		250	20	10	2	Modeled
Bayou Liberty Marina	94269/ LAG531330	12/1/2012	STP	001	Ditch to Bayou Liberty	Bayou Liberty	20	30		25	20	10	2	Modeled
Timberland Trailer Park LLC	98284/ LAG531573	12/1/2012	STP	001	To local drainage then to W15 Canal then to Doubloon Bayou then to Fritchie Marsh	W15 Canal	4500	30		N/A	10	10	2	Not Modeled
A Bonfouca Marina	114175/ LAG531465	12/1/2012	STP	001	Directly to Bayou Liberty then into Bayou Bonfouca then into Lake Pontchartrain	Bayou Liberty	860	30		1,075	20	10	2	Modeled
Thompson Road Baptist Church-WWTP	138188/ LAG532165	12/1/2012	STP	001	Hwy 433 ditch to Bayou Liberty	Bayou Liberty	800	30		1,000	20	10	2	Modeled
Accurate Alignment	151364/ LAG470244	9/1/2014	STP	001	Ditch to Bayou Paquet	Bayou Paquet	20	30		25	20	10	2	Modeled
All American Cargo Elevators LLC WWTP	157614/ LAG532770	12/1/2012	STP	001	Highway 190 ditch to Bayou Liberty	Bayou Liberty	60	30		75	20	10	2	Modeled

FACILITY	AI NO./ PERMIT NO.	PERMIT EXP DATE (MM/DD/YY)	FACILITY TYPE	OUT-FALL NO.	OUTFALL DESCRIP-TION	RECEIVING WATER	CURRENT EXPECTED FLOW	CURRENT MONTHLY AVERAGE CONCENTRATION LIMITS		TMDL FLOW	INTERIM PHASE I MONTHLY AVERAGE CONCENTRATION LIMITS			
							GPD	BOD5/ CBOD5, mg/L	NH_3-N, mg/L	GPD	BOD5/ CBOD5, mg/L	NH_3-N, mg/L	DO, mg/L	MODELING COMMENTS
St. Genevieve Catholic Church-WWTP	157725/ LAG532800	12/1/2012	STP	001	Pipe to Bayou Liberty	Bayou Liberty	3000	30		3,750	20	10	2	Modeled
Mayfield Elementary School	161289/ LAG541758	7/1/2013	STP	001	Pipe then to ditch then to Bayou Bonfouca	Bayou Bonfouca	14250	10		N/A	10	10	2	Not Modeled
Broadway Inc: K-Bar-B Youth Ranch-Cabins & Admin Complex	164343/ LAG533161	12/1/2012	STP	001	Hwy 190 ditch to Bayou Paquet	Bayou Paquet	2300	30		2,875	20	10	2	Modeled

Table 10. Interim Limits for 040907 Point Sources

FACILITY	AI NO./ PERMIT NO.	PERMIT EXP DATE (MM/DD/YY)	FACILITY TYPE	OUT-FALL NO.	OUTFALL DESCRIP-TION	RECEIVING WATER	CURRENT EXPECTED FLOW	CURRENT MONTHLY AVERAGE CONCENTRATION LIMITS		TMDL FLOW	INTERIM PHASE I MONTHLY AVERAGE CONCENTRATION LIMITS			
							GPD	BOD5/ CBOD5, mg/L	NH_3-N, mg/L	GPD	BOD5/ CBOD5, mg/L	NH_3-N, mg/L	DO, mg/L	MODELING COMMENTS
St. Tammany Parish Stormwater	108405/ LAR041024	12/4/2012	Stormwater	N/A	Ditches to Bayou Bonfouca	Bayou Bonfouca	N/A	N/A		N/A	N/A	N/A	N/A	MS4 addressed in model and TMDL. This TMDL will not impose permit limits.
City of Slidell Stormwater	108410/ LAR041015	12/4/2012	Stormwater	N/A	Ditches to Bayou Bonfouca	Bayou Bonfouca	N/A	N/A		N/A	N/A	N/A	N/A	MS4 addressed in model and TMDL. This TMDL will not impose permit limits.
Cut-Rite, Inc. Cut Rite/Northshore Driveline	13288/ LAG533518	12/1/2012	STP	001	Local drainage then to Bayou Liberty	Bayou Liberty	500	30		N/A	10	10	2	Not Modeled
ExxonMobil Oil Corp #51367	13400/ LAG530198	12/1/2012	STP	001	Ditch to Bayou Vincent	Bayou Vincent	2500	30		3,125	10	10	2	Modeled
Advantage Tire & Wheel	14744/ LAG470293	9/1/2014	STP	001	Unnamed ditch then to Bayou Liberty	Bayou Liberty	1500	30		N/A	10	10	2	Not Modeled
Sunbelt Innovative Plastics Inc STP	17609/ LA0090409	2/1/2016	STP	001	Local drainage to Bayou Liberty	Bayou Liberty	2500	30		3,125	10	10	2	Modeled
Stones Throw Apartments	17938/ LAG570066	5/1/2014	STP	001	Pipe to Bayou Vincent	Bayou Vincent	19200	10		24,000	10	10	2	Modeled
Eagle Lake Mobile Home Park	19785/ LAG570120	5/1/2014	STP	001	Unnamed ditch to Bayou Vincent to Bayou Bonfouca	Bayou Vincent	63000	10		78,750	10	10	2	Modeled

FACILITY	AI NO./ PERMIT NO.	PERMIT EXP DATE (MM/DD/YY)	FACILITY TYPE	OUT-FALL NO.	OUTFALL DESCRIP-TION	RECEIVING WATER	CURRENT EXPECTED FLOW	CURRENT MONTHLY AVERAGE CONCENTRATION LIMITS		TMDL FLOW	INTERIM PHASE I MONTHLY AVERAGE CONCENTRATION LIMITS			
							GPD	BOD5/ CBOD5, mg/L	NH_3-N, mg/L	GPD	BOD5/ CBOD5, mg/L	NH_3-N, mg/L	DO, mg/L	MODELING COMMENTS
Western International Gas & Cylinder Inc-Slidell Facility	20072/ LA0096334	2/1/2016	STP	001	Pipe to an unnamed ditch then into an unnamed canal then into Bayou Liberty	Bayou Liberty	4480	30		N/A	10	10	2	Not Modeled
John's Automotive Machine Shop Inc	24697/ LAG530274	12/1/2012	STP	001	Roadside ditch to Hwy 11 ditch to Bayou Vincent	Bayou Vincent	40	30		50	10	10	2	Modeled
Jung's Automotive, Inc	25610/ LAG470303	9/1/2014	STP	001	To local drainage then to Bayou Liberty	Bayou Liberty	300	30		N/A	10	10	2	Not Modeled
CM Auto Repair Inc	27558/ LAG470149	9/1/2014	STP	001	Open ditch to US Highway 190W then to ditch above Hwy 190 then to Bayou Paquet	Bayou Paquet	500	30		N/A	10	10	2	Not Modeled
Randall A Evans DDS LLC	34988/ LAG533431	12/1/2012	STP	001	Local drainage then to Bayou Bonfouca	Bayou Bonfouca	500	30		N/A	10	10	2	Not Modeled
Rowland Duffour Clinic	36461/ LAG533501	12/1/2012	STP	001	By effluent pipe then into an unnamed ditch then into Bayou Paquet	Bayou Paquet	500	30		N/A	10	10	2	Not Modeled, No State Permit
Brown's Village Road Sand Pit	40412/ LAG490031	2/1/2015	STP	001	Local drainage then to Bayou Bonfouca	Bayou Bonfouca	100	30		N/A	10	10	2	Not Modeled

FACILITY	AI NO./ PERMIT NO.	PERMIT EXP DATE (MM/DD/YY)	FACILITY TYPE	OUT-FALL NO.	OUTFALL DESCRIP-TION	RECEIVING WATER	CURRENT EXPECTED FLOW	CURRENT MONTHLY AVERAGE CONCENTRATION LIMITS		TMDL FLOW	INTERIM PHASE I MONTHLY AVERAGE CONCENTRATION LIMITS			
							GPD	BOD5/ CBOD5, mg/L	NH_3-N, mg/L	GPD	BOD5/ CBOD5, mg/L	NH_3-N, mg/L	DO, mg/L	MODELING COMMENTS
Northshore Chemical LLC	41239/ LA0122459	4/1/2012	STP	001	Local drainage to Bayou Vincent	Bayou Vincent	55	30		69	10	10	2	Modeled
Factory Direct Furniture	41484/ LAG530200	12/1/2012	STP	001	Ditch to Bayou Vincent	Bayou Vincent	40	30		50	10	10	2	Modeled
Ernest Walder Sr	41768/ LAG530736	12/1/2012	STP	001	Local drainage to Bayou Vincent	Bayou Vincent	360	30		450	10	10	2	Modeled
LCR-M-Plumbing Supply	41993/ LAG530703	12/1/2012	STP	001	Local drainage to Bayou Vincent	Bayou Vincent	120	30		150	10	10	2	Modeled
J&K Management LLC	41995/ LAG532382	12/1/2012	STP	001	Directly to Bayou Vincent	Bayou Vincent	180	30		225	10	10	2	Modeled
Capitol Steel Inc-Slidell	42161/ LAG530763	12/1/2012	STP	001	By effluent pipe then into parish drainage ditch then to Bayou Bonfouca	Bayou Bonfouca	1400	30		N/A	10	10	2	Not Modeled
New Life Ministries	42622/ LAG530943	12/1/2012	STP	001	Local drainage to Bayou Liberty	Bayou Liberty	490	30		613	10	10	2	Modeled
Nu-Lite Electrical Wholesalers	42686/ LAG530397	12/1/2012	STP	001	I-12 Service Road Ditch to unnamed ditch to Bayou Bonfouca	Bayou Bonfouca	80	30		100	10	10	2	Modeled
Piney Ridge Mobile Home Park LLC	42841/ LAG540932	7/1/2013	STP	001	Ditch to Bayou Vincent	Bayou Vincent	9300	30		11,625	10	10	2	Modeled

FACILITY	AI NO./ PERMIT NO.	PERMIT EXP DATE (MM/DD/YY)	FACILITY TYPE	OUT-FALL NO.	OUTFALL DESCRIP-TION	RECEIVING WATER	CURRENT EXPECTED FLOW	CURRENT MONTHLY AVERAGE CONCENTRATION LIMITS		TMDL FLOW	INTERIM PHASE I MONTHLY AVERAGE CONCENTRATION LIMITS			
							GPD	BOD5/ CBOD5, mg/L	NH_3-N, mg/L	GPD	BOD5/ CBOD5, mg/L	NH_3-N, mg/L	DO, mg/L	MODELING COMMENTS
S&H Good Eats Café	42865/ LAG533440	12/1/2012	STP	001	Hwy 190 Ditch to Bayou Vincent	Bayou Vincent	490	30		613	10	10	2	Modeled
Coastal Property Holdings LLC-Shady Pines Mobile Home Park	43212/ LAG540642	7/1/2013	STP	001	Roadside ditch to Bayou Bonfouca	Bayou Bonfouca	10500	30		13,125	10	10	2	Modeled
Skater's Paradise II, Inc.	43242/ LAG530811	12/1/2012	STP	001	Hwy 190 ditch to Bayou Bonfouca	Bayou Bonfouca	540	30		675	10	10	2	Modeled
Slidell Welding Service Inc	43249/ LAG530660	12/1/2012	STP	001	Effluent pipe then to State Hwy 190 (Gause West Ditch) then into St. Tammany Ditch then to Bayou Bonfouca	Bayou Bonfouca	300	30		N/A	10	10	2	Not Modeled
Slidell Welding Service Inc	43249/ LAG530660	12/1/2012	STP	001	Effluent pipe then to State Hwy 190 (Gause West Ditch) then into St. Tammany Ditch then to Bayou Bonfouca	Bayou Bonfouca	100	30		N/A	10	10	2	Not Modeled

FACILITY	AI NO./ PERMIT NO.	PERMIT EXP DATE (MM/DD/YY)	FACILITY TYPE	OUT-FALL NO.	OUTFALL DESCRIP-TION	RECEIVING WATER	CURRENT EXPECTED FLOW	CURRENT MONTHLY AVERAGE CONCENTRATION LIMITS		TMDL FLOW	INTERIM PHASE I MONTHLY AVERAGE CONCENTRATION LIMITS			
							GPD	BOD5/ CBOD5, mg/L	NH_3-N, mg/L	GPD	BOD5/ CBOD5, mg/L	NH_3-N, mg/L	DO, mg/L	MODELING COMMENTS
South Seas Chinese Restaurant	43274/ LAG530987	12/1/2012	STP	001	Ditch to Bayou Vincent	Bayou Vincent	1950	30		2,438	10	10	2	Modeled
Ellis Recycling	43316/ LAG480553	8/1/2011	STP	001	Industrial Dr ditch to Bayou Vincent	Bayou Vincent	120	30		150	10	10	2	Modeled
St Tammany Parish School Board-Slidell Support Facility	43403/ LAG530531	12/1/2012	STP	001	Ditch to Bayou Vincent	Bayou Vincent	100	30		125	10	10	2	Modeled
Wadleigh Industries Inc-Offshore Equipment Solutions	52386/ LA0109495	5/1/2015	STP	001	Ditches to Bayou Vincent	Bayou Vincent	800	30		1,000	10	10	2	Modeled
Blue Bell Creameries Inc	68576/ LAG532783	12/1/2012	STP	001	Ditch to Bayou Bonfouca	Bayou Bonfouca	780	30		975	20	10	2	Modeled
I-12 Shell	71531/ LAG531734	12/1/2012	STP	001	Local drainage to Bayou Bonfouca	Bayou Bonfouca	160	30		200	10	10	2	Modeled
Jubilee #4815	74005/ LAG480587	8/1/2011	STP	001	Local drainage to Bayou Vincent	Bayou Vincent	1700	30		2,125	10	10	2	Modeled
Circle K #1689	75145/ LAG533633	12/1/2012	STP	001	Into local drainage then into Bayou Bonfouca	Bayou Bonfouca	1000	30		N/A	10	10	2	Not Modeled
Eagle LLC-Eagle Carwash	82445/ LAG750317	3/15/2014	STP	001	Local drainage then to Bayou Vincent	Bayou Vincent	500	30		N/A	10	10	2	Not Modeled

FACILITY	AI NO./ PERMIT NO.	PERMIT EXP DATE (MM/DD/YY)	FACILITY TYPE	OUT-FALL NO.	OUTFALL DESCRIP-TION	RECEIVING WATER	CURRENT EXPECTED FLOW	CURRENT MONTHLY AVERAGE CONCENTRATION LIMITS		TMDL FLOW	INTERIM PHASE I MONTHLY AVERAGE CONCENTRATION LIMITS			
							GPD	BOD5/ CBOD5, mg/L	NH_3-N, mg/L	GPD	BOD5/ CBOD5, mg/L	NH_3-N, mg/L	DO, mg/L	MODELING COMMENTS
Terminix-Home Estates Drive Office Project	90273/ LAG750602	3/15/2014	STP	001	Unnamed ditch then to Gum Bayou	Gum Bayou	320	30		N/A	10	10	2	Not Modeled
Charter Communications	96374/ LAG531494	12/1/2012	STP	001	Roadside ditch to Bayou Vincent	Bayou Vincent	120	30		150	10	10	2	Modeled
Adams Mobile Home Park	98300/ LAG541621	12/1/2012	STP	001	Local drainage to Bayou Vincent	Bayou Vincent	2100	30		2,625	10	10	2	Modeled
Tymeless Flooring Inc	99281/ LAG531318	12/1/2012	STP	001	Hwy 190 ditch to Bayou Bonfouca	Bayou Bonfouca	100	30		125	10	10	2	Modeled
Baker Sales Inc-Baker Sales Warehouse	103353/ LAG531763	12/1/2012	STP	001	Ditch to Bayou Liberty	Bayou Liberty	40	30		50	10	10	2	Modeled
Johnson Apartments	117172/ LAG531511	12/1/2012	STP	001	Local drainage to Bayou Vincent	Bayou Vincent	800	30		1,000	10	10	2	Modeled
Beau's Air Conditioning & Heating LLC	117735/ LAG531519	12/1/2012	STP	001	Local drainage to Hwy 190 ditch to unnamed canal to Bayou Liberty	Bayou Liberty	140	30		175	10	10	2	Modeled
Venson Harold Seal Apartments	117751/ LAG531526	12/1/2012	STP	001	To a pond to Bayou Vincent	Bayou Vincent	750	30		938	10	10	2	Modeled
Acadiana Stor-N-Lock	120264/ LAG531938	12/1/2012	STP	001	Ditch to Bayou Vincent	Bayou Vincent	40	30		50	10	10	2	Modeled

FACILITY	AI NO./ PERMIT NO.	PERMIT EXP DATE (MM/DD/YY)	FACILITY TYPE	OUT-FALL NO.	OUTFALL DESCRIP-TION	RECEIVING WATER	CURRENT EXPECTED FLOW	CURRENT MONTHLY AVERAGE CONCENTRATION LIMITS		TMDL FLOW	INTERIM PHASE I MONTHLY AVERAGE CONCENTRATION LIMITS			
							GPD	BOD5/ CBOD5, mg/L	NH_3-N, mg/L	GPD	BOD5/ CBOD5, mg/L	NH_3-N, mg/L	DO, mg/L	MODELING COMMENTS
CalWes Properties LLC-CalWes Center	126385/ LAG532174	12/1/2012	STP	001	Hwy 190 ditch to Bayou Bonfouca	Bayou Bonfouca	4145	30		5181	20	10	2	Modeled
Peace Lutheran Church-RV Units	133232/ LAG532329	12/1/2012	STP	001	Hwy ditch to Bayou Bonfouca	Bayou Bonfouca	2370	30		2693	10	10	2	Modeled
Jolly Investments LLC-Jolly Investments Apartments	133963/ LAG541455	7/1/2013	STP	001	Ditch to Bayou Bonfouca	Bayou Bonfouca	5700	30		7125	10	10	2	Modeled
United Medical Care Walk In Clinic	134229/ LAG532037	12/1/2012	STP	001	Ditch to Bayou Vincent	Bayou Vincent	200	30		250	20	10	2	Modeled
Good Shepherd Lutheran Church	148472/ LAG532580	12/1/2012	STP	001	Ditch to Bayou Bonfouca	Bayou Bonfouca	1100	30		1375	10	10	2	Modeled
RDG Properties-Platform Crane-Bldg 2	149820/ LAG532253	12/1/2012	STP	001	Local drainage to Bayou Vincent	Bayou Vincent	600	30		750	10	10	2	Modeled
GBR Properties Inc-Advance Auto	151898/ LAG532293	12/1/2012	STP	001	Hwy 190 ditch to canal to Bayou Liberty	Bayou Liberty	100	30		125	20	10	2	Modeled

FACILITY	AI NO./ PERMIT NO.	PERMIT EXP DATE (MM/DD/YY)	FACILITY TYPE	OUT-FALL NO.	OUTFALL DESCRIP-TION	RECEIVING WATER	CURRENT EXPECTED FLOW	CURRENT MONTHLY AVERAGE CONCENTRATION LIMITS		TMDL FLOW	INTERIM PHASE I MONTHLY AVERAGE CONCENTRATION LIMITS			
							GPD	BOD5/ CBOD5, mg/L	NH_3-N, mg/L	GPD	BOD5/ CBOD5, mg/L	NH_3-N, mg/L	DO, mg/L	MODELING COMMENTS
RDG Properties-SE LA Veterans Healthcare & Omni Eng	161936/ LAG530000	12/1/2012	STP	001	Pipe to local drainage to Bayou Vincent	Bayou Vincent	600	30		750	10	10	2	Modeled
St. Tammany Brake Tag Center-St Tammany Wholesale	165431/ LAG470290	9/1/2014	STP	001	Pipe to Hwy 190 ditch to Bayou Bonfouca	Bayou Bonfouca	40	30		50	10	10	2	Modeled
Coastal Marine Contractors LLC (CMC) - Main Yard - Ship & Barge Repair Facility	167032/ LA0124877	9/1/2015	STP	001	Bayou Bonfouca	Bayou Bonfouca	300	30		N/A	10	10	2	Not Modeled
Manuel Darby Property	167139/ LAG533313	12/1/2012	STP	001	By effluent pipe, then into Hwy 190 ditch then into Bayou Bonfouca	Bayou Bonfouca	490	30		N/A	10	10	2	Not Modeled
Guardian Angel Learning Center	167920/ LAG533301	12/1/2012	STP	001	Parish drainage, then into Bayou Bonfouca	Bayou Bonfouca	510	30		N/A	10	10	2	Not Modeled

FACILITY	AI NO./ PERMIT NO.	PERMIT EXP DATE (MM/DD/YY)	FACILITY TYPE	OUT-FALL NO.	OUTFALL DESCRIP-TION	RECEIVING WATER	CURRENT EXPECTED FLOW	CURRENT MONTHLY AVERAGE CONCENTRATION LIMITS		TMDL FLOW	INTERIM PHASE I MONTHLY AVERAGE CONCENTRATION LIMITS			
							GPD	BOD5/ CBOD5, mg/L	NH_3-N, mg/L	GPD	BOD5/ CBOD5, mg/L	NH_3-N, mg/L	DO, mg/L	MODELING COMMENTS
Slidell Masjid of Al-Islam	167945/ LAG533308	12/1/2012	STP	001	Parish drainage ditch, then into Bayou Vincent, then into Bayou Bonfouca	Bayou Vincent	15	30		N/A	10	10	2	Not Modeled
Ozone Aggregates	168041/ LAG533333	12/1/2012	STP	001	Effluent pipe to a drainage ditch then to Bonfouca Bayou, then to Lake Pontchartrain	Bayou Bonfouca	80	30		N/A	10	10	2	Not Modeled
Arian Nursery & Preschool	168045/ LAG533353	12/1/2012	STP	001	By effluent pipe then to unnamed ditch then to Bayou Bonfouca	Bayou Bonfouca	950	30		N/A	10	10	2	Not Modeled
Romar Services Inc-Warehouse	168139/ LAG533302	12/1/2012	STP	001	Unnamed ditch then into Bayou Bonfouca	Bayou Bonfouca	80	30		N/A	10	10	2	Not Modeled
Carolyn Draperies	168371/ LAG533343	12/1/2012	STP	001	Local drainage then to Bayou Bonfouca	Bayou Bonfouca	20	30		N/A	10	10	2	Not Modeled

FACILITY	AI NO./ PERMIT NO.	PERMIT EXP DATE (MM/DD/YY)	FACILITY TYPE	OUT-FALL NO.	OUTFALL DESCRIP-TION	RECEIVING WATER	CURRENT EXPECTED FLOW	CURRENT MONTHLY AVERAGE CONCENTRATION LIMITS		TMDL FLOW	INTERIM PHASE I MONTHLY AVERAGE CONCENTRATION LIMITS			
							GPD	BOD5/ CBOD5, mg/L	NH_3-N, mg/L	GPD	BOD5/ CBOD5, mg/L	NH_3-N, mg/L	DO, mg/L	MODELING COMMENTS
Pentecost Missionary Baptist Church of Slidell	169553/ LAG533559	12/1/2012	STP	001	By effluent pipe then into a parish drainage ditch then into Bayou Bonfouca then into Lake Pontchartrain	Bayou Bonfouca	1290	30		N/A	10	10	2	Not Modeled
Honaker Funeral Home & Cemeteries Inc-Honaker Funeral Home Forest Lawn Cemetery	169689/ LAG533399	12/1/2012	STP	001	Treatment plant effluent pipe then into State Hwy 190 (W Gause Ditch) then to St. Tammany ditch then into Bayou Bonfouca	Bayou Bonfouca	1800	30		N/A	10	10	2	Not Modeled
Coco's Auto/Truck Repair	169692/ LAG470301	9/1/2014	STP	005	To local drainage then to Bayou Liberty	Bayou Liberty	300	30		N/A	10	10	2	Not Modeled
Sparrows Offshore LLC	169789/ LA0125351	1/1/2016	STP	001	By effluent pipe then into Hwy 190 ditch then into Bayou Bonfouca	Bayou Bonfouca	500	30		N/A	10	10	2	Not Modeled

FACILITY	AI NO./ PERMIT NO.	PERMIT EXP DATE (MM/DD/YY)	FACILITY TYPE	OUT-FALL NO.	OUTFALL DESCRIP-TION	RECEIVING WATER	CURRENT EXPECTED FLOW	CURRENT MONTHLY AVERAGE CONCENTRATION LIMITS		TMDL FLOW	INTERIM PHASE I MONTHLY AVERAGE CONCENTRATION LIMITS			
							GPD	BOD5/ CBOD5, mg/L	NH_3-N, mg/L	GPD	BOD5/ CBOD5, mg/L	NH_3-N, mg/L	DO, mg/L	MODELING COMMENTS
James & Leonard Brown Commercial Property	169799/ LAG533457	12/1/2012	STP	001	Into an unnamed drainage ditch then into Bayou Vincent then into Bayou Bonfouca	Bayou Vincent	500	30		N/A	10	10	2	Not Modeled
RPM Pizza LLC	170122/ LAG533147	12/1/2012	STP	001	Into parish drainage then into Bayou Bonfouca	Bayou Bonfouca	1500	30		N/A	10	10	2	Not Modeled
Lee's Hamburgers	170398/ LAG533422	12/1/2012	STP	001	Unnamed ditches then into Lee St. Pumping Station then into Bayou Bonfouca	Bayou Bonfouca	1500	30		N/A	10	10	2	Not Modeled
Flowers Baking Co of New Orleans LLC	170858/ LAG533465	12/1/2012	STP	001	To Hwy 433 ditch then to Bayou Bonfouca	Bayou Bonfouca	500	30		N/A	10	10	2	Not Modeled
John L's Plumbing	171511/ LAG533505	12/1/2012	STP	001	Pipe then into Bayou Bonfouca	Bayou Bonfouca	900	30		N/A	10	10	2	Not Modeled

Table 11. Interim Limits for 040908 Point Sources

FACILITY	AI NO./ PERMIT NO.	PERMIT EXP DATE (MM/DD/YY)	FACILITY TYPE	OUT-FALL NO.	OUTFALL DESCRIP-TION	RECEIVING WATER	CURRENT EXPECTED FLOW	CURRENT MONTHLY AVERAGE CONCENTRATION LIMITS		TMDL FLOW	INTERIM PHASE I MONTHLY AVERAGE CONCENTRATION LIMITS			
							GPD	BOD5/ CBOD5, mg/L	NH_3-N, mg/L	GPD	BOD5/ CBOD5, mg/L	NH_3-N, mg/L	DO, mg/L	MODELING COMMENTS
St. Tammany Parish Stormwater	108405/ LAR041024	12/4/2012	Stormwater	N/A	Ditches to Bayou Bonfouca	Bayou Bonfouca	N/A	N/A		N/A	N/A	N/A	N/A	MS4 addressed in model and TMDL. This TMDL will not impose permit limits.
City of Slidell Stormwater	108410/ LAR041015	12/4/2012	Stormwater	N/A	Ditches to Bayou Bonfouca	Bayou Bonfouca	N/A	N/A		N/A	N/A	N/A	N/A	MS4 addressed in model and TMDL. This TMDL will not impose permit limits.
Slidell Easy Pay Tire Store	5931/ LAG470233	9/1/2014	STP	001	Unnamed ditch then to Bayou Liberty	Bayou Liberty	100	30		N/A	30			Not Modeled
Coin du Lestin Subdivision	19211/ LAG570065	5/1/2014	STP	001	Pipe to Bayou Bonfouca	Bayou Bonfouca	80000	10		100,000	10			Modeled
Pearl River Navigation Inc	24247/ LA0109461	3/1/2011	STP	001	Direct discharge to Bayou Bonfouca	Bayou Bonfouca	3500	30		4375	30			Modeled
Acadian Gardens Condominium Association	40443/ LAG540085	7/1/2013	STP	001	To an unnamed ditch then to Bayou Bonfouca	Bayou Bonfouca	7500	30		9375	30			Modeled
St. Tammany Parish-Oakwood Estates STP	43203/ LAG570166	5/1/2014	STP	001	Ditch to Bayou Bonfouca	Bayou Bonfouca	12400	10		15,500	10			Modeled
J&J Auto Brokers	104963/ LAG470178	9/1/2014	STP	001	Unnamed ditch to Bayou Liberty	Bayou Liberty	40	30		50	30			Modeled

FACILITY	AI NO./ PERMIT NO.	PERMIT EXP DATE (MM/DD/YY)	FACILITY TYPE	OUT-FALL NO.	OUTFALL DESCRIP-TION	RECEIVING WATER	CURRENT EXPECTED FLOW	CURRENT MONTHLY AVERAGE CONCENTRATION LIMITS		TMDL FLOW	INTERIM PHASE I MONTHLY AVERAGE CONCENTRATION LIMITS			
							GPD	BOD5/ CBOD5, mg/L	NH_3-N, mg/L	GPD	BOD5/ CBOD5, mg/L	NH_3-N, mg/L	DO, mg/L	MODELING COMMENTS
Brian Harris Autoplex	118103/ LAG470186	9/1/2014	STP	001	Pipe to the Sunset Drive roadside ditch then to the US Hwy 190 West roadside ditch then to Bayou Bonfouca	Bayou Bonfouca	120	30		N/A	30			Not Modeled
Slidell Marine Inc	124476/ LAG532176	12/1/2012	STP	001	Direct to Bayou Bonfouca	Bayou Bonfouca	3700	30		4625	30			Modeled
Carroll Road Building-STP Construction	124764/ LAG531773	12/1/2012	STP	001	Ditch to Bayou Bonfouca	Bayou Bonfouca	800	30		1,000	30			Modeled
JGILS-J&D Investments	125337/ LAG531786	12/1/2012	STP	001	Ditches to Bayou Bonfouca	Bayou Bonfouca	160	30		200	30			Modeled
ARC Mechanical Contractors Inc	138813/ LAG532075	12/1/2012	STP	001	Ditch to Bayou Bonfouca	Bayou Bonfouca	100	30		125	30			Modeled
Casadaban Marine Services	143036/ LAG533292	12/1/2012	STP	001	Local drainage then to Bayou Vincent	Bayou Vincent	500	30		N/A	30			Not Modeled

Table 12. Subsegment 040905 Total Maximum Daily Load (Sum of UCBOD[1], UNBOD, and SOD) for a 5.0 mg/L dissolved oxygen standard

ALLOCATIONS	SUMMER		WINTER	
	% Reduction Required	(MAY-OCT) (lbs/day)	% Reduction Required	(NOV-APR) (lbs/day)
Point Source Wasteload Allocation (WLA)	80% above Hwy 190 and 38% below Hwy 190 and 35% for Bayou Paquet	172	80% above Hwy 190 and 38% below Hwy 190 and 35% for Bayou Paquet	172
Point Source Reserve MOS (20%)		43		43
St. Tammany Parish MS4 WLA (Nonpoint Loads)	80% above Hwy 190 and 38% below Hwy 190 and 35% for Bayou Paquet	216	80% above Hwy 190 and 38% below Hwy 190 and 35% for Bayou Paquet	210
St. Tammany Parish MS4 MOS (Nonpoint Source Reserve MOS) (20%)		54		52
City of Slidell MS4 WLA (Nonpoint Loads)	80% above Hwy 190 and 38% below Hwy 190 and 35% for Bayou Paquet	102	80% above Hwy 190 and 38% below Hwy 190 and 35% for Bayou Paquet	99
City of Slidell MS4 MOS (Nonpoint Source Reserve MOS) (20%)		26		25
Nonpoint Loads	80% above Hwy 190 and 38% below Hwy 190 and 35% for Bayou Paquet	1351	80% above Hwy 190 and 38% below Hwy 190 and 35% for Bayou Paquet	1312
Nonpoint Source Reserve MOS (20%)		337		329
TMDL		2301		2242

***Note1: UCBOD as stated in this allocation is Ultimate CBOD.
UCBOD to $CBOD_5$ ratio = 2.3 for all treatment levels
Permit allocations are generally based on $CBOD_5$***

Table 13. Summary of MS4 loading for Bayou Liberty Subsegment 040905

Urban Area	Permit Number	MS4 Area (acres)	Summer MS4 (lbs/day)	Winter MS4 (lbs/day)
St.Tammany Parish	LAR041024/AI#108405	2,471.91	270	262
City of Slidell	LAR04105/AI#108410	1,171.44	128	124

Table 14. Subsegment 040906 Total Maximum Daily Load (Sum of UCBOD[1], UNBOD, and SOD) for a 4.0 mg/L dissolved oxygen standard

ALLOCATIONS	SUMMER		WINTER	
	% Reduction Required	(MAY-OCT) (lbs/day)	% Reduction Required	(NOV-APR) (lbs/day)
Point Source Wasteload Allocation (WLA)	80% above Hwy 190 and 38% below Hwy 190 and 35% for Bayou Paquet	11	80% above Hwy 190 and 38% below Hwy 190 and 35% for Bayou Paquet	11
Point Source Reserve MOS (20%)		3		3
St. Tammany Parish MS4 WLA (Nonpoint Loads)	80% above Hwy 190 and 38% below Hwy 190 and 35% for Bayou Paquet	314	80% above Hwy 190 and 38% below Hwy 190 and 35% for Bayou Paquet	299
St. Tammany Parish MS4 MOS (Nonpoint Source Reserve MOS) (20%)		78		75
City of Slidell MS4 WLA (Nonpoint Loads)	80% above Hwy 190 and 38% below Hwy 190 and 35% for Bayou Paquet	0	80% above Hwy 190 and 38% below Hwy 190 and 35% for Bayou Paquet	0
City of Slidell MS4 MOS (Nonpoint Source Reserve MOS) (20%)		0		0
Nonpoint Loads	80% above Hwy 190 and 38% below Hwy 190 and 35% for Bayou Paquet	1384	80% above Hwy 190 and 38% below Hwy 190 and 35% for Bayou Paquet	1322
Nonpoint Source Reserve MOS (20%)		345		330
TMDL		2135		2040

Table 15. Summary of MS4 loading for Bayou Liberty Subsegment 040906

Urban Area	Permit Number	MS4 Area (acres)	Summer MS4 (lbs/day)	Winter MS4 (lbs/day)
St.Tammany Parish	LAR041024/AI#108405	1,354.26	392	374
City of Slidell	LAR04105/AI#108410	0.00	0	0

Table 16. Subsegment 040907 Total Maximum Daily Load (Sum of UCBOD[1], UNBOD, and SOD) for a 5.0 mg/L dissolved oxygen standard

ALLOCATIONS	SUMMER		WINTER	
	% Reduction Required	(MAY-OCT) (lbs/day)	% Reduction Required	(NOV-APR) (lbs/day)
Point Source Wasteload Allocation (WLA)	77% above Hwy433 for Bayou Vincent and Bayou Bonfouca and 0% below Hwy 433.	46	77% above Hwy433 for Bayou Vincent and Bayou Bonfouca and 0% below Hwy 433	46
Point Source Reserve MOS (20%)		11		11
St. Tammany Parish MS4 WLA (Nonpoint Loads)	77% above Hwy433 for Bayou Vincent and Bayou Bonfouca and 0% below Hwy 433.	105	77% above Hwy433 for Bayou Vincent and Bayou Bonfouca and 0% below Hwy 433	72
St. Tammany Parish MS4 MOS (Nonpoint Source Reserve MOS) (20%)		26		18
City of Slidell MS4 WLA (Nonpoint Loads)	77% above Hwy433 for Bayou Vincent and Bayou Bonfouca and 0% below Hwy 433.	75	77% above Hwy433 for Bayou Vincent and Bayou Bonfouca and 0% below Hwy 433	51
City of Slidell MS4 MOS (Nonpoint Source Reserve MOS) (20%)		19		13
Nonpoint Loads	77% above Hwy433 for Bayou Vincent and Bayou Bonfouca and 0% below Hwy 433.	331	77% above Hwy433 for Bayou Vincent and Bayou Bonfouca and 0% below Hwy 433	226
Nonpoint Source Reserve MOS (20%)		83		57
TMDL		696		494

Table 17. Summary of MS4 loading for Bayou Bonfouca Subsegment 040907

Urban Area	Permit Number	MS4 Area (acres)	Summer MS4 (lbs/day)	Winter MS4 (lbs/day)
St.Tammany Parish	LAR041024/AI#108405	2,473.69	134	241
City of Slidell	LAR04105/AI#108410	1,771.84	96	172

Table 18. Subsegment 040908 Total Maximum Daily Load (Sum of UCBOD[1], UNBOD, and SOD) for a 4.0 mg/L dissolved oxygen standard

ALLOCATIONS	SUMMER		WINTER	
	% Reduction Required	(MAY-OCT) (lbs/day)	% Reduction Required	(NOV-APR) (lbs/day)
Point Source Wasteload Allocation (WLA)	77% above Hwy433 for Bayou Vincent and Bayou Bonfouca and 0% below Hwy 433.	68	77% above Hwy433 for Bayou Vincent and Bayou Bonfouca and 0% below Hwy 433.	68
Point Source Reserve MOS (20%)		18		18
St. Tammany Parish MS4 WLA (Nonpoint Loads)	77% above Hwy433 for Bayou Vincent and Bayou Bonfouca and 0% below Hwy 433.	1,100	77% above Hwy433 for Bayou Vincent and Bayou Bonfouca and 0% below Hwy 433.	1,004
St. Tammany Parish MS4 MOS (Nonpoint Source Reserve MOS) (20%)		275		251
City of Slidell MS4 WLA (Nonpoint Loads)	77% above Hwy433 for Bayou Vincent and Bayou Bonfouca and 0% below Hwy 433.	638	77% above Hwy433 for Bayou Vincent and Bayou Bonfouca and 0% below Hwy 433.	582
City of Slidell MS4 MOS (Nonpoint Source Reserve MOS) (20%)		159		146
Nonpoint Loads	77% above Hwy433 for Bayou Vincent and Bayou Bonfouca and 0% below Hwy 433.	3,448	77% above Hwy433 for Bayou Vincent and Bayou Bonfouca and 0% below Hwy 433.	3,148
Nonpoint Source Reserve MOS (20%)		862		787
TMDL		6,568		6,004

Table 19. Summary of MS4 loading for Bayou Bonfouca Subsegment 040908

Urban Area	Permit Number	MS4 Area (acres)	Summer MS4 (lbs/day)	Winter MS4 (lbs/day)
St.Tammany Parish	LAR041024/AI#108405	1,607.93	1,375	1,256
City of Slidell	LAR04105/AI#108410	7,578.64	797	728

Subsegment 041201 (Bayou Labranche)

TMDL for Dissolved Oxygen

Developed by Tetra Tech for EPA
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LDEQ EDMS Document Numbers 8355450 (Report)
and 8355451 (Appendices)

Subsegment 041401 (New Orleans East Leveed Waterbodies)

TMDL for Dissolved Oxygen

Developed by Tetra Tech for EPA
Approved by EPA on 3/28/2012
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LDEQ EDMS Document Numbers 8355453 (Report)
and 8355454 (Appendices)

Subsegment 041805 (Lake Borgne Canal, also called Violet Canal)

TMDL for Dissolved Oxygen

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LDEQ EDMS Document Number 8355452 (Report and Appendices)

EPA's Hg TMDL for Coastal Waters of Lake Pontchartrain Basin

http://www.epa.gov/earth1r6/6wq/npdes/tmdl/latmdl/2005tmdls/6hgtmdls605f.pdf

Subsegments

010901
021102
042209
070601
110701
120806

MERMENTAU RIVER BASIN

TMDLs/WLAs

BOD and Nutrients TMDLs
For
Mermentau River Basin Subsegments

050101 Bayou des Cannes
http://www.epa.gov/region6/water/ecopro/latmdl/bayoudesnutrients_f.pdf

050103 Bayou Mallet for BOD, Nutrients, and Ammonia
http://www.epa.gov/region6/water/ecopro/latmdl/ftnmallet.pdf

050201 Bayou Plaquemine Brule for Ammonia
http://www.epa.gov/region6/water/ecopro/latmdl/bayouplaqueminebrule_nh3_f.pdf

050301 Bayou Nezpique
http://www.epa.gov/region6/water/ecopro/latmdl/bayouneznutrients_f.pdf

050401 Mermentau River for Ammonia
http://www.epa.gov/region6/water/ecopro/latmdl/mermentau_nh3_f.pdf

050402, 050602, 050701, 050702 Lake Arthur, Grand Lake, GIWW
http://www.epa.gov/region6/water/ecopro/latmdl/ftnlakearthur.pdf

050603 Bayou Chene for BOD
http://www.epa.gov/region6/water/ecopro/latmdl/ftnchene.pdf

050802, 050901 Big Constance Lake and Mermentau Basin Coastal Waters
http://www.epa.gov/region6/water/ecopro/latmdl/ftnbigconstance.pdf

Fecal Coliform TMDLs
For
Mermentau River Basin Subsegments

050101 Bayou des Cannes

http://www.epa.gov/region6/water/ecopro/latmdl/bayoudescannesfecal_f.pdf

050102 Bayou Joe Marcel

http://www.epa.gov/region6/water/ecopro/latmdl/joemarcelfecal.pdf

050201 Bayou Plaquemine Brule

http://www.epa.gov/region6/water/ecopro/latmdl/bayouplaqueminebrulefecal_f.pdf

050301 Bayou Nezpique
050303 Bayou Castor

http://www.epa.gov/region6/water/ecopro/latmdl/bayounezpiquecastorfecal_f.pdf

Turbidity, TSS, TDS, Cl TMDLs
For
Mermentau River Basin Subsegments

Mermentau River Basin

http://www.epa.gov/region6/water/ecopro/latmdl/mermentautss_f.pdf

Subsegments

050101
050102
050103
050201
050301
050302
050402
050501
050602
050701
050702
050703
050901

050501 Bayou Queue de Tortue

http://www.epa.gov/region6/water/ecopro/latmdl/bayouqueuedetortueturbidity_f.pdf

050703 White Lake

http://www.epa.gov/region6/water/ecopro/latmdl/whitelaketds_f.pdf

http://www.epa.gov/region6/water/ecopro/latmdl/whitelakechloride_f.pdf

Mercury TMDL
For
Mermentau River Basin

Mermentau River Basin

http://www.epa.gov/region6/water/ecopro/latmdl/mercurytmdls_f.pdf

Subsegments

050101
050201
050702
050901
060203
061201

Pesticides TMDLs
For
Mermentau River Basin

Fipronil http://www.epa.gov/region6/water/ecopro/latmdl/fipronil_merm(f).pdf

Subsegments

050101
050201
050401
050501
050603

Carbofuran http://www.epa.gov/region6/water/ecopro/latmdl/carbofuran_mermvt(f).pdf

Subsegments

050101
050701
050702
050901
060901
060205
060207
060301
060401
060701
060801
060802
060803
060902
060903
060904
060906
060907
060910
060911
061101
061102

TMDL for BOD
Bayou des Cannes
050101, 050103, 050201

Total Maximum Daily Load (Sum of CBOD, NH3N, and SOD) for Bayou des Cannes

ALLOCATION	SUMMER (MAR-NOV) (lbs/day)	WINTER (DEC-FEB) (lbs/day)
Point Source WLA	228	228
Point Source Reserve MOS	57	57
Headwater/Tributary Loads	2,027	5,577
Benthic Loads	14,324	14,324
TMDL	16,636	20,186

Town of Iota (Summer/Mar-Nov) 10 mg/L $CBOD_5$/10 mg/L NH_3-N + post reaeration

10 mg/L $CBOD_5$/10 mg/L NH_3-N/2 mg/L DO (Winter/Dec-Feb)

TMDL for BOD
Bayou Plaquemine Brule and Tributaries
050201

Facility	Flow (mgd)	Permit limitations (BOD_5/NH_3-N/DO) Summer	Permit limitations (BOD_5/NH_3-N/DO) Winter	Projected limits (BOD_5/NH_3-N/DO) Summer	Projected limits (BOD_5/NH_3-N/DO) Winter
Church Point POTW	0.80	10/2/6	10/10/6	10/2/5	20/10/6
Atwood Acres STP	.046	20/-/-	---	10/5/5	30/15/6
Acadian Fine Foods STP	.025	20/-/-	---	20/10/2	30/15/2
North Rayne POTW	.020	20/-/-	---	20/10/2	30/15/2
Crowley High School POTW	.034	30/-/-	---	10/5/5	30/15/6
Crowley POTW	2.47	5/2/5	10/2/5	5/5/5	10/5/6
Rayne POTW	1.50	10/-/-	---	10/5/5	10/5/6
Estherwood POTW	.080	10/-/-	---	10/10/2	30/15/2

Total Maximum Daily Load (Sum of CBOD, NH3N, and SOD) for Bayou Plaquemine Brule

Point source allocations (WLA)	Summer season (Mar – Nov) Load	Summer season (Mar – Nov) % of TMDL	Winter season (Dec – Feb) Load	Winter season (Dec – Feb) % of TMDL
Church Point POTW	211 lbs/day		594 lbs/day	
Atwood Acres STP	17.1 lbs/day		51.3 lbs/day	
Acadian Fine Foods STP	18.6 lbs/day		28.0 lbs/day	
North Rayne POTW	25.6 lbs/day		38.4 lbs/day	
Crowley High School POTW	8.9 lbs/day		26.7 lbs/day	
Crowley POTW	680 lbs/day		917 lbs/day	
Rayne POTW	557 lbs/day		557 lbs/day	
Estherwood POTW	22.1 lbs/day		44.7 lbs/day	
Total point source allocations (WLA)	1540 lbs/day	7.3	2256 lbs/day	10.5
Point source margin of safety (MOS)	385 lbs/day	1.8	564 lbs/day	2.6
Nonpoint allocation (LA)	19303 lbs/day	90.9	18701 lbs/day	86.9
Reduction of man-made nonpoint	50 %		50 %	
Nonpoint source margin of safety (MOS)	0 %		0 %	
Total maximum daily load (TMDL)	21227 lbs/day		21522 lbs/day	

Subsegment 050301
Bayou Nezpique TMDL for Dissolved Lead
Developed by Tetra Tech for LDEQ
Approved by EPA on 3/7/2011
Document Date: 10/5/2010

http://www.deq.louisiana.gov/portal/portals/0/technology/tmdl/pdf/Final_LDEQ_Lead_050301.pdf

TMDL (lbs/day)	WLA (lbs/day)	LA (lbs/day)	MOS (lbs/day)
0.0213	0	0.0170	0.0043

Table 3-1. WLA summary for subsegment 050301

AI #	Permit #	Outfall	Facility name	Outfall type	Flow type	Flow (gpd)	Limit type	Total lead (µg/L)	Total lead (lb/d)	Dissolved lead (µg/L)	Dissolved lead (lb/d)
19422	LA0020125	001	Mamou, Town of - WWTP - Incinerator	treated sanitary wastewater	design	600,000	none		0		0
19356	LA0033430	001	Oakdale, City of - WWTP	treated sanitary wastewater	design	1,460,000	none		0		0
19535	LA0041769	001	Jennings, City of - Wastewater Treatment Facility	treated sanitary wastewater	design	2,500,000	none		0		0
19953	LA0044865	001	Basile, Town of - WWTP Bearcat Road	treated sanitary wastewater	design	500,000	none		0		0
31441	LA0079057	001	Pine Prairie, Village of - WWTP	treated sanitary wastewater	design	250,000	none		0		0
52277	LA0106585	001	IESI Corp - Timberlane Landfill	treated sanitary wastewater, treated landfill wastewater, stormwater	expected	315,000	none		0		0
		002		non-contact stormwater	expected	446,000	none		0[a]		0
		101		treated sanitary wastewater	expected	100	none		0		0
		201		stormwater	expected	290,000	monthly ave	2.4	0[a]	0.44	0[a]
		301		treated landfill wastewater and contact stormwater	expected	315,000	monthly ave	7	0[a]	1.30	0[a]
33093	LA0109452	001	Evangeline Parish Police Jury - Reddell STP	treated sanitary wastewater	design	68,000	none		0		0
104795	LA0118672	001	Natural Advantage	non-contact cooling water	expected	2,000	none		0		0

AI #	Permit #	Outfall	Facility name	Outfall type	Flow type	Flow (gpd)	Limit type	Total lead (µg/L)	Total lead (lb/d)	Dissolved lead (µg/L)	Dissolved lead (lb/d)
				and lab wastewater							
19479	LAG380014	001	Louisiana Water Co - Crowley Water Plant	wastewater (backwash water and blowdown sludge)	DMR average	64,038	none		0		0
52060	LAG380058	002	Jennings, City of - Water Plant	filter backwash	DMR 30-day max	38,154	none		0		0
92706	LAG531278	001	Bayou Cove Peaking Power LLC NRG - S Central Operation - Bayou Cove Peaking Power Plant	treated sanitary wastewater	design	500	none		0		0
92232	LAG531355	001	Hester Heath Elementary School	treated sanitary wastewater	expected	4,040	none		0		0
32086	LAG531537	001	Texas Gas Transmission LLC - Mamou Compressor Station	treated sanitary wastewater	expected	500	none		0		0
		002		stormwater	expected	16,156	none		0[a]		0[a]
		003		stormwater	expected	16,156	none		0[a]		0[a]
40429	LAG540033	001	Academy Mobile Village	treated sanitary wastewater	expected	13,200	none		0		0
17953	LAG540293	001	Evangeline Parish Police Jury - Crooked Creek Recreational Area	treated sanitary wastewater	DMR 30-day max	13,200	none		0		0
41953	LAG540397	001	Hathaway High School	treated sanitary wastewater	DMR 30-day max	7,453	none		0		0
101864	LAG541109	001	Bayou Chicot Elementary School	treated sanitary wastewater	expected	10,760	none		0		0
127640	LAG541389	001	Hathaway Village Mobile Home Park	treated sanitary wastewater	DMR average	7,000	none		0		0
33913	LAG560140	001	Turkey Creek, Village of - Municipal Treatment Plant	treated sanitary wastewater	DMR 30-day max	24,762	none		0		0
42088	LAG570174	001	LA Corrections Services Inc - Pine Prairie Correctional Facility	treated sanitary wastewater	DMR average	70,276	none		0		0
33100	LAG570259	001	Plaisance Development Corp - N Mamou Subdivision	treated sanitary wastewater	DMR 30-day max	9,900	none		0		0
158674	LAR05P009		Rolling Frito-Lay Sales LP - Mamou Bin	MSGP - stormwater	not avail.		none		0[a]		0[a]
92706	LAR10B695		Bayou Cove Peaking Power LLC NRG - S Central Operation - Bayou Cove Peaking Power Plant	stormwater CGP	not avail.		none		0[a]		0[a]
123347	LAR10D153		Pine Prairie Energy Center LLC - Pine Prairie Energy Center	stormwater CGP	not avail.		none		0[a]		0[a]

AI #	Permit #	Outfall	Facility name	Outfall type	Flow type	Flow (gpd)	Limit type	Total lead (µg/L)	Total lead (lb/d)	Dissolved lead (µg/L)	Dissolved lead (lb/d)
114563	LAU003097	001	CL&M #2 & 18 Production Facility - Pine Prairie Field		not avail.		n/a		0		0

Notes: n/a = not applicable (facility is not permitted)

[a] This TMDL is being developed for critical low-flow conditions (7Q10). Under low-flow conditions, the WLA for all stormwater discharges will be 0.0 lb/d because the flow will be 0.0 mgd. However, existing stormwater permits limits continue to apply to all stormwater discharges.

TMDL for BOD
Bayou Nezpique and Tributaries
050301, 050302, 050303, 050304

PERMIT NO.	FACILITY	CURRENT FLOW, MGD	CURRENT LIMITS, mg/l	MODELED FLOW, MGD	SUMMER PROJECTION LIMITS, mg/l	WINTER PROJECTION LIMITS, mg/l
LA0033430	OAKDALE, CITY OF (WWTP)	1.46	10BOD5/15TSS	1.83	10BOD5/10NH3/6DO	10BOD5/10NH3/5DO
LA0079057	PINE PRAIRIE, VILLAGE OF (STP)	0.1	10BOD5/15TSS	0.13	10BOD5/10NH3/6DO	10BOD5/10NH3/5DO
LA0109452	REDDELL STP	0.068	10BOD5/15TSS/5NH3/5DO-SUMMER 20BOD5/15TSS/10NH3/5DO-WINTER	0.084	5BOD5/5NH3/6DO	10BOD5/5NH3/5DO
LAG560049	EVANGELINE SEWER CO INC	0.0364	20BOD5/20TSS	0.05	10BOD5/5NH3/6DO	20BOD5/10NH3/5DO
LA0020125	MAMOU, TOWN OF (WWTP)	0.6	10BOD5/15TSS/2NH3/5DO	0.75	10BOD5/2NH3/5DO	10BOD5/2NH3/5DO
LA0020087	OBERLIN, TOWN OF (STP)	0.363	10BOD5/15TSS	0.45	5BOD5/2NH3/6DO	10BOD5/10NH3/5DO
LA0061719	ELTON, TOWN OF (WWTP)	0.193	10BOD5/15TSS	0.24	5BOD5/2NH3/6DO	10BOD5/10NH3/5DO
LA0044865	BASILE WWTP	0.5	10BOD5/15TSS	0.63	5BOD5/2NH3/6DO	10BOD5/7.5NH3/5DO
LA0041769	JENNINGS, CITY OF (STP)	2.5	10BOD5/15TSS	3.13	5BOD5/2NH3/6DO	5BOD5/5NH3/6DO

Total Maximum Daily Load (Sum of CBOD, NH3N, and SOD) for Bayou Nezpique

ALLOCATION	SUMMER (MAR-NOV) (lbs/day)	WINTER (DEC-FEB) (lbs/day)
Point Source WLA	1,646.13	2294.95
Point Source Reserve MOS	411.53	573.75
Natural Nonpoint Source LA	12,394.65	9,446.57
Natural Nonpoint Source Reserve MOS	3,098.66	2,361.64
Manmade Nonpoint Source LA	959.80	1,011.28
Manmade Nonpoint Source Reserve MOS	239.95	252.82
TMDL	18,750.73	15,940.97

Subsegment 050303
Castor Creek TMDL for Dissolved Lead
Developed by Tetra Tech for LDEQ
Approved by EPA on 3/7/2011
Document Date: 10/5/2010

http://www.deq.louisiana.gov/portal/portals/0/technology/tmdl/pdf/Final_LDEQ_Lead_050303.pdf

TMDL (lbs/day)	WLA (lbs/day)	LA (lbs/day)	MOS (lbs/day)
0.000372	0	0.000298	0.000074

Subsegment 050304
Bayou Blue TMDL for Dissolved Lead
Developed by Tetra Tech for LDEQ
Approved by EPA on 3/7/2011
Document Date: 10/5/2010

http://www.deq.louisiana.gov/portal/portals/0/technology/tmdl/pdf/Final_LDEQ_Lead_050304.pdf

TMDL (lbs/day)	WLA (lbs/day)	LA (lbs/day)	MOS (lbs/day)
0.000121	0	0.000097	0.000024

Table 3-1. WLA summary for subsegment 050304 for total lead

AI #	Permit #	Outfall	Facility name	Outfall type	Flow type	Flow (GPD)	Lead limit type	Limit (µg/L)	Load (lb/day)
19353	LA0020087	001	Oberlin, Town of – STP	treated sanitary wastewater	design	400,000	none		0
19649	LA0061719	001	Elton Town, of - WWTP	treated sanitary wastewater	design	333,000	none		0
153980	LAG532440	001	LaTex Organic LLC - Hope Agri Products	treated sanitary wastewater	expected	160	none		0
89417	LAR05N008		Allied Waste BFI - Oberlin Facility	MSGP - stormwater	DMR 30-day max	40,333	none		0[a]
74679	LAR05N324		LADOTD - Oberlin Maintenance Unit	MSGP - stormwater	not avail.		none		0[a]

[a] This TMDL is being developed for critical low-flow conditions (7Q10). Under low-flow conditions, the WLA for all stormwater discharges will be 0.0 lb/d because the flow will be 0.0 mgd. However, existing stormwater permits limits continue to apply to all stormwater discharges.

TMDL for BOD
Mermentau River
050401

Facility Discharge Limits

PERMIT NO.	FACILITY	CURRENT FLOW, MGD	CURRENT LIMITS, mg/l	MODELED FLOW, MGD	SUMMER PROJECTION LIMITS, mg/l	WINTER PROJECTION LIMITS, mg/l
	Village of Mermentau	0.085	10BOD5/15TSS	0.106	10BOD5/10NH3	10BOD5/10NH3
	BCI LA / Shepherd Oil ethanol plant	1.4	20BOD5/30TSS	1.75	10BOD5/10NH3	20BOD5/10NH3

Total Maximum Daily Load for Mermentau River

ALLOCATION	SUMMER (MAR-NOV) (lbs/day)	WINTER (DEC-FEB) (lbs/day)
Point Source WLA	817	1085
Point Source Reserve MOS	204	271
Natural/Manmade Nonpoint Source LA	37,702	35,981
Headwater/Tributary Source LA	2188	5412
TMDL = WLA + LA + MOS	40,910	42,749

TMDL for BOD

050501

Bayou Queue de Tortue

City of Duson 0.190 MGD 10 $CBOD_5$/5 NH_3-N/6 DO (Summer/Mar-Nov)

30 $CBOD_5$/15 NH_3-N/5 DO (Winter/Dec-Feb)

TMDL for Bayou Queue de Tortue

	Summer season (Mar – Nov)		Winter season (Dec – Feb)	
Point source allocations (WLA)	Load (lbs./day)	% of TMDL	Load (lbs./day)	% of TMDL
Total point source allocations (WLA)	79.8	0.16	239.5	0.63
Point source margin of safety (MOS)	20.0	0.04	59.9	0.16
Headwater/Tributary Loads	4.5	0.009	45.0	0.12
Benthic Loads	48,339.9	99.8	37,857.3	99.10
Reduction of man-made nonpoint	60 %		60 %	
Nonpoint source margin of safety (MOS)	0 %		0 %	
Total maximum daily load (TMDL)	48,444	100.0	38,202	100.0

Subsegment 050601
Lacassine Bayou TMDL for Dissolved Lead
Developed by Tetra Tech for LDEQ
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http://www.deq.louisiana.gov/portal/portals/0/technology/tmdl/pdf/Final_LDEQ_Lead_050601.pdf

TMDL (lbs/day)	WLA (lbs/day)	LA (lbs/day)	MOS (lbs/day)
0.830	0	0.664	0.166

Table 3-1. WLA summary for subsegment 050601

AI #	Permit #	Outfall	Facility name	Outfall type	Flow type	Flow (GPD)	Lead limit type	Total lead limit (µg/L)	Total lead load (lb/d)	Dis. lead limit (µg/L)	Dis. lead load (lb/d)
43909	LA0020591	001	Welsh, Town of - WWTP	treated sanitary wastewater	design	700,000	none		0		0
41115	LA0105970	001	ConocoPhillips Pipelne Co - Manchester Station - LA Gathering System	intermittent discharge of stormwater runoff from the main containment area	design	600	none		0		0
		002			design	600	none		0		0
85341	LA0115592	001	Jefferson Davis Parish - Water & Sewer Commission #1	Iron and manganese filter and softener backwash wastewater and previously treated sanitary wastewater (101)	design	56,000	none		0		0
		101		treated sanitary wastewater	design	80	none		0		0
167744	LA0124974	001	Zagis USA - Zagis USA LLC	minor industrial wastewater	DMR average	5,760	none		0		0
134724	LAG33A299	001	Chalkley-Garrison Production Facility - Sweet Lake Field	dewatering effluent	not avail.		none		0		0
		002		deck drainage	not avail.		none		0		0
		003		formation test fluids	not avail.		none		0		0
		005		domestic wastewater	not avail.		none		0		0
		006		hydrostatic test water	not avail.		daily max.	50	0	8.92	0
		007		Misc. Discharges	not avail.		none		0		0

AI #	Permit #	Outfall	Facility name	Outfall type	Flow type	Flow (GPD)	Lead limit type	Total lead limit (µg/L)	Total lead load (lb/d)	Dis. lead limit (µg/L)	Dis. lead load (lb/d)
		04A		treated sanitary wastewater	not avail.		none		0		0
		04B		treated sanitary wastewater	not avail.		none		0		0
31817	LAG33A421	001	Lakeside Field Production Facility	dewatering effluent	DMR average	0	none		0		0
		002		deck drainage	DMR average	167	none		0		0
		003		formation test fluids	DMR average	0	none		0		0
		005		domestic wastewater	DMR average	0	none		0		0
		006		hydrostatic test water	DMR average	0	daily max.	50	0	8.92	0
		007		Misc. Discharges	DMR average	0	none		0		0
		04A		treated sanitary wastewater	DMR average	0	none		0		0
		04B		treated sanitary wastewater	DMR average	0	none		0		0
135858	LAG33A432	001	Walker #9 Facility	dewatering effluent	not avail.		none		0		0
		002		deck drainage	DMR average	6	none		0		0
		003		formation test fluids	not avail.		none		0		0
		005		domestic wastewater	not avail.		none		0		0
		006		hydrostatic test water	not avail.		daily max.	50	0	8.92	0
		007		Misc. Discharges	not avail.		none		0		0
		04A		treated sanitary wastewater	not avail.		none		0		0
		04B		treated sanitary wastewater	not avail.		none		0		0
164858	LAG533156	001	Calcasieu Parish Police Jury - Lorrain Park	treated sanitary wastewater	DMR average	1,050	none		0		0
155068	LAG533402	001	Brandt A National Oilwell Varco LP Co - Lake Arthur Facility	treated sanitary wastewater	design	800	none		0		0
40915	LAG540206	001	Bell City High School	treated sanitary wastewater	DMR 30-day max	12,195	none		0		0
3880	LAG540398	001	Lacassine Elementary High School	treated sanitary wastewater	design	9,200	none		0		0
42185	LAG540446	001	Broussard Middle School	treated sanitary wastewater	DMR average	9,257	none		0		0
43445	LAG750244	001	C&A Holdings LLC	exterior vehicle and equipment wash wastewater	DMR average	1,900	none		0		0
12389	LAR05N014	001	Jefferson Davis Parish Sanitary	MSGP - stormwater	DMR average	685,000	none		0		0

AI #	Permit #	Outfall	Facility name	Outfall type	Flow type	Flow (GPD)	Lead limit type	Total lead limit (µg/L)	Total lead load (lb/d)	Dis. lead limit (µg/L)	Dis. lead load (lb/d)
		002	Landfill Commission	MSGP - stormwater	DMR average	263,000	none		0		0
		003		MSGP - stormwater	DMR average	260,000	none		0		0
		004		MSGP - stormwater	DMR average	200,000	none		0		0
		005		treated sanitary wastewater	DMR average	250	none		0		0
		006		MSGP - stormwater	DMR average	31,000	none		0		0
155068	LAR05N390		Brandt A National Oilwell Varco LP Co - Lake Arthur Facility	MSGP – stormwater	not avail.		none		0		0
162772	LAR05P074		Sweet Lake Land & Oil Co C-9 - Bell City East Field	MSGP - stormwater	not avail.		none		0		0
166694	LAR05P223		Welsh Central Facility # 2 - Wagner Oil Co	MSGP - stormwater	not avail.		none		0		0
84155	LAR10B198	001	Lake Charles Cane - Lacassine Mill LLC - Lacassine Mill	wastewaters and stormwater	design	5,000	none		0		0
		002		stormwater	expected	9,000	none		0		0
		003		stormwater	expected	9,000	none		0		0
152245	LAR10E296		MBO LLC - Lacassine Oilfield Service	stormwater	estimated	2,300,000	daily max.	275	0[a]	49.1	0[a]
152055	LAR10F052	001/ 003/ 004	Louisiana Green Fuels LLC - Lacassine Ethanol Plant	washwaters, non-contact cooling, stormwater, Internal 10A/10B	permit max	2,000,000	none		0		0
		002		non-process stormwater	average	45,000	none		0		0
156743	LAU005690		A NEW Rock Co Inc		not avail.		n/a		0		0
1939	LAU009268		Lyons Flying Service Inc		not avail.		n/a		0		0

Note: n/a = not applicable. (This facility is not permitted.)

[a] This TMDL is being developed for critical low-flow conditions (7Q10). Under low-flow conditions, the WLA for all stormwater discharges will be 0.0 lb/d because the flow will be 0.0 mgd. However, existing stormwater permits limits continue to apply to all stormwater discharges.

TMDL for BOD
Bayou Lacassine
050601

Facility Discharge Limits

Town of Welsh	10 $CBOD_5$/2 NH_3-N/5 DO (Summer/ Mar-Nov) 10 $CBOD_5$/15 NH_3-N/2 DO (Winter/Dec-Feb)

Lacassine Syrup Mill *

Winter Season Limits:	CBOD5 (maximum) 10.0 mg/l Dissolved Oxygen (minimum) 5.0mg/L Monitor dissolved oxygen in receiving Stream
Summer Season Limits:	CBOD5 (maximum) 5.0 mg/l Dissolved Oxygen (minimum) 5.0mg/L 22% Reduction of nonpoint source load Monitor dissolved oxygen in receiving Stream

* These effluent limitations are. contingent upon the 22% reduction of man-made nonpoint source loading. Best management practices must be implemented to achieve a 22% reduction of man-made nonpoint loading in the West Bayou Lacassine watershed. Compliance with the required nonpoint reduction will be verified by monitoring dissolved oxygen (in-stream) year-round for compliance with the criteria in the tributary at Abell Road and in both the tributary and West Bayou Lacassine at Ardoin Cove Road.

Subsegment 050603
Bayou Chene TMDL for Dissolved Lead
Developed by Tetra Tech for LDEQ
Approved by EPA on 3/7/2011
Document Date: 10/5/2010

http://www.deq.louisiana.gov/portal/portals/0/technology/tmdl/pdf/Final_LDEQ_Lead_050603.pdf

TMDL (lbs/day)	WLA (lbs/day)	LA (lbs/day)	MOS (lbs/day)
0.0997	0	0.0199	0.0798

Table 3-1. WLA summary for subsegment 050603 for total lead

AI #	Permit #	Outfall	Facility name	Outfall type	Flow type	Flow (gpd)	Lead limit type	Total lead limit (µg/L)	Total lead load (lb/d)
159621	LA0124290	001	Jefferson Davis Parish Police Jury - Jefferson Davis Parish Water District #4	backwash and wastewater	expected	38,300	none		0
		002		treated sanitary wastewater	expected	40	none		0
1639	LAG110196	001	Angelle Concrete Group LLC - Jennings Plant	stormwater and wastewater	DMR average	0	none		0[a]
6691	LAG470021	001	Bubba Oustalet Chevrolet-Cadillac Inc	washrack wastewater	DMR average	2,350	none		0
		002		floor washwater	not avail.		none		0
		003		washdown and wastewater	not avail.		none		0
154902	LAG532539	001	US Postal Service - Roanoke Post Office	treated sanitary wastewater	expected	40	none		0
5239	LAG540399	001	Welsh Roanoke Jr High School	treated sanitary wastewater	DMR 30-day max	3,300	none		0
164006	LAG541731	001	Petos I-10 - Petos I-10 LLC	treated sanitary wastewater	expected	10,080	none		0
118476	LAG750472	001	Bungalow Bill's Super Clean	wash wastewater	DMR average	2,500	none		0
74507	LAG750534	001	Diamond Shamrock #619	wash wastewater	not avail.		none		0
117845	LAG750553	001	Russell Dupuis Carwash	wash wastewater	not avail.		none		0
74621	LAR05N309		LADOTD - Jennings Maintenance Unit	MSGP - stormwater	not avail.		none		0[a]
23456	LAR05N465		T-3 Energy Services	MSGP - stormwater	DMR average	0	none		0[a]
158578	LAR05N992		South Jennings Commercial SWD Facility - Charles Holston Inc	MSGP - stormwater	not avail.		none		0[a]
77237	LAU004095		Buddy's Chevron	vehicle wastewater	not avail.		n/a		0

n/a = not applicable (facility is not permitted)
[a] This TMDL is being developed for critical low-flow conditions (7Q10). Under low-flow conditions, the WLA for all stormwater discharges will be 0.0 lb/d because the flow will be 0.0 mgd. However, existing stormwater permits limits continue to apply to all stormwater discharges.

VERMILION-TECHE RIVER BASIN

TMDLs/WLAs

060102 Cocodrie Lake for Cl, SO_4, TDS
http://www.epa.gov/region6/water/ecopro/latmdl/cocodrielk_cl_sulf_tds_f.pdf

060201, 060202 Bayou Cocodrie for TDS
http://www.epa.gov/region6/water/ecopro/latmdl/bayoucocodrietds_201-202_f.pdf

TMDL for BOD and Nutrients
Bayou Cocodrie/Cocodrie Lake/Chicot Lake
060201, 060202, 060101, 060102, 060203

Facility Discharge Limits

Facility	Flow (mgd)	Projected limits (BOD_5/NH_3-N /DO) Summer	Winter
City of Glenmora WWTP	0.30	10/15	10/15
Village of Forest Hill WWTP	0.08	10/15	10/15
CLECO Coughlin Power Station	118	2.7/0	2.7/0.09
Chicot State Park	0.01	30/15	30/15
Plaquemines Alligator Farm	0.10	10/5	10/50

060102 Cocodrie Lake for Ammonia
http://www.epa.gov/region6/water/ecopro/latmdl/cocodrielk_nh3_nap_f.pdf

060201 TMDL for Copper Bayou Cocodrie

4th Revision, December 6, 2007, developed by LDEQ:
http://www.deq.louisiana.gov/portal/portals/0/technology/tmdl/pdf/12062007CocodrieTMDLcopperrevised12-06-2007.pdf

A mass balance model was developed which addresses the headwater conditions, the CLECO outfalls from Mountain Bayou Lake and the CLECO cooling water intake on Bayou Cocodrie. The model was based on maintaining the copper criterion at the downstream from the cooling water intake. Since the CLECO plant is a merchant peak power plant with a wide variety of flows, an effluent discharge flow-based equation was developed to determine the permissible loading from CLECO.

CLECO Effluent Load in lbs/day = 0.0158*(CLECO flow in MGD) + 0.5108

Table 1. Total Maximum Daily Load of Dissolved Copper at CLECO Total Discharge Flow = 350 MGD

ALLOCATION		
	% Reduction Required	TMDL lbs/day
Point Source WLA	0	6.06
Point Source Reserve MOS =50%		6.06
Nonpoint Source LA	0	0.06
Nonpoint Source Reserve MOS (not used)		0
TMDL		12.18

060202 Bayou Cocodrie for Nutrients

http://www.epa.gov/region6/water/ecopro/latmdl/bayoucoconutrients_f.pdf

060203 Chicot Lake for Nutrients

http://www.epa.gov/region6/water/ecopro/latmdl/chicotnutrients_f.pdf

TMDL for BOD
Bayou Courtableau
060204

Loads	Summer season (May- Oct)		Winter season (Nov - Apr)	
	Load (lbs/day)	% of TMDL	Load (lbs/day)	% of TMDL
Headwater/Tributary Loads	6,374	21	9,095	28
Benthic Loads	23,369	79	23,369	72
Reduction of man-made nonpoint	30%		30%	
Nonpoint source margin of safety (MOS)	0		0	
Total maximum daily load (TMDL)	29,743	100	32,464	100

TMDL for Ammonia
Bayou Courtableau
060204

http://www.epa.gov/region6/water/ecopro/latmdl/bayoucourtableau_nh3_f.pdf

TMDL for Salinity, TDS
Bayou Teche
060205

http://www.epa.gov/region6/water/ecopro/latmdl/techetds_f.pdf

Fecal Coliform TMDLs
For
Vermilion-Teche River Basin Subsegments

060205 Bayou Teche
http://www.epa.gov/region6/water/ecopro/latmdl/bayoutechefecal_f.pdf

060208 Bayou Boeuf
http://www.epa.gov/region6/water/ecopro/latmdl/bayouboeuffecal_f.pdf

060801, 060802 Vermilion River
http://www.epa.gov/region6/water/ecopro/latmdl/vermilionfecal_f.pdf

Turbidity, TSS, TDS, Cl, SO_4 TMDLs
For
Vermilion-Teche River Basin Subsegments

TMDL for Total Suspended Solids (TSS), Turbidity, and Siltation in the Vermilion River Basin

http://www.epa.gov/region6/water/ecopro/latmdl/vermiliontss_f.pdf

Subsegments

060801
060802
060803
060804
060901
060902
060903
060904
060905
060909
060910
060911
061101
061102
061103

TMDL for TSS, Turbidity, and Siltation for the Bayou Teche Watershed

http://www.epa.gov/region6/water/ecopro/latmdl/techetss_f.pdf

Subsegments

060101
060102
060201
060202
060203
060204
060205
060301
060401
060501
060207
060208
060210
060211
060212
060601
060701
060702
060703
060906
060907

TMDL for BOD
Bayou Teche
060205, 060301, 060401

Permit Limits for facilities discharging to Bayou Teche (to meet DO criterion of 5 mg/L):

FACILITY	**CURRENT PERMIT LIMITS ($CBOD_5$/NH_3-N/DO), mg/L**	**PROPOSED PERMIT LIMITS ($CBOD_5$/NH_3-N/DO), mg/L**
Port Barre, Town of; Port Barre Wastewater Treatment Plant	10/*/*	10/10/2
St. Landry Parish Sewer District #1, Linwood Subdivision	10/*/*	10/10/2
CBS Enterprises, CBS Mobile Home Park (east pond)	30/*/*	30/15/2
St. Landry Parish School Board, Leonville High School	30/*/*	30/15/2
St. Martin Parish School Board, Teche Elementary School	30/*/*	30/15/2
Acadiana Treatment Sys Inc, Magenta Plantation Townhomes Subdivision	45/*/*	45/15/2
Dallas Trailer Park	45/*/*	45/15/2
LA Sugar Cane Coop Inc, Breaux Bridge Branch	*/*/*	0/0/2 (once-through non-contact cooling water)
Bent Oak Trailer Park	30/*/*	30/15/2
St. Martin Parish Police Jury, St.Martinville Industrial Park Wastewater Treatment Plant	10/*/*	5/2/2
Loreauville, Village of	10/*/*	10/10/2
Breaux's Bay Craft Inc	45/*/*	45/15/2
Iberia Parish Sewerage Dist #1, Breaux Estates Subdivision	30/*/*	30/15/2
Cajun Sugar Coop., Inc.; Cajun Sugar Factory	15/*/* (calculated from mass limit)	5/0/5 (Sugar mills are not a source of ammonia)

TMDL for BOD
Bayou Teche
060205, 060301, 060401

Permit Limits for facilities discharging to Bayou Teche (to meet DO criterion of 5 mg/L)(continued):

Louisiana Water Co.-New Iberia Water Treatment Plant	*/*/*	2/1/2
Iberia Sugar Coop., Inc.	Outfall 004: 18/*/* (calculated from mass limit) Outfall 006: */*/*	18/0/2 (Sugar mills are not a source of ammonia) 0/0/2 (once-through non-contact cooling water)
Bayou Side Trailer Park	45/*/*	45/15/2
Mosquito Control Contractors Inc. (MCCI)	45/*/*	45/15/2
Iberia Parish Sewer District #1 POTW		10 CBOD5/5 NH3-N/2 mg/L DO
Iberia Parish Government, Rosedale Subdivision	30/*/*	30/15/2
Iberia Parish School Board, Jeanerette Sr. High School	30/*/*	30/15/2
Yellow Bowl Restaurant	45/*/*	45/15/2
Cypress Bayou Casino	10/*/*	10/10/2

*Currently not permitted for this parameter

TMDL for BOD
Bayou Teche
060205, 060301, 060401

Calculation of the TMDL, Winter, 5 mg/L DO			
Load description	WLA (lbs/day)	LA (lbs/day)	Reserve/ MOS Load (lbs/day)
Point Source loads	3,157		789
Headwater / Tributary loads		23,922	
Benthic loads		5,314	
SUB-TOTAL	**3,157**	**29,236**	**789**
TMDL = WLA + LA + MOS		***33,183***	

Calculation of the TMDL, Summer, 5 mg/L DO			
Load description	WLA (lbs/day)	LA (lbs/day)	Reserve/ MOS Load (lbs/day)
Point Source loads	1,624		406
Headwater / Tributary loads		25,100	
Benthic loads		9,441	
SUB-TOTAL	**1,624**	**34,541**	**406**
TMDL = WLA + LA + MOS		***36,572***	

Temperature TMDL
For
Vermilion-Teche River Basin Subsegments

060206 Indian Creek and Indian Creek Reservoir

http://www.epa.gov/region6/water/ecopro/latmdl/indiancreektemp_f.pdf

TMDL for BOD
Bayou Boeuf
060208

http://www.epa.gov/region6/water/ecopro/latmdl/bayouboeufnutrient.pdf

BOD and Nutrients TMDLs
For
Vermilion-Teche River Basin Subsegments

060209 Irish Ditch/Big Bayou
http://www.epa.gov/region6/water/ecopro/latmdl/ftnirishditch.pdf

060210 Bayou Carron
http://www.epa.gov/region6/water/ecopro/latmdl/ftncarron.pdf

060212, 060207 Chatlin Lake Canal/Bayou du Lac and Bayou des Glaises Diversion Channel
http://www.epa.gov/region6/water/ecopro/latmdl/ftnchatlin.pdf

060211 West Atchafalaya Borrow Pit Canal
http://www.epa.gov/region6/water/ecopro/latmdl/ftnborrowpit.pdf

060601, 061001 Charenton Drainage Canal and West Cote Blanche Bay
http://www.epa.gov/region6/water/ecopro/latmdl/ftncharenton.pdf

060701 Tete Bayou
http://www.epa.gov/region6/water/ecopro/latmdl/ftntete.pdf

060703 Bayou du Portage
http://www.epa.gov/region6/water/ecopro/latmdl/ftnduportage.pdf

060803 Vermilion River Cutoff
http://www.epa.gov/region6/water/ecopro/latmdl/ftnvermcutoff.pdf

060901 Bayou Petite Anse
http://www.epa.gov/region6/water/ecopro/latmdl/ftnpetiteanse.pdf

060903 Bayou Tigre
http://www.epa.gov/region6/water/ecopro/latmdl/ftntigre.pdf

060904 New Iberia Southern Drainage Canal
http://www.epa.gov/region6/water/ecopro/latmdl/ftnnewiberia.pdf

060907 Franklin Canal
http://www.epa.gov/region6/water/ecopro/latmdl/ftnfranklin.pdf

060908 Spanish Lake
http://www.epa.gov/region6/water/ecopro/latmdl/ftnspanishlake.pdf

060909 Lake Peigneur

http://www.epa.gov/region6/water/ecopro/latmdl/ftnlakepeigneur.pdf

060911 Dugas Canal

http://www.epa.gov/region6/water/ecopro/latmdl/ftndugas.pdf

061103 Freshwater Bayou Canal

http://www.epa.gov/region6/water/ecopro/latmdl/ftnfreshwaterbayou.pdf

TMDL for BOD
Lake Fausse Pointe/Lake Dauterive
060702

Total Maximum Daily Load (Sum of CBOD, NH_3N, and SOD).

Source	**Summer (kg/day)**	**Summer (lbs/day)**	**Winter (kg/day)**	**Winter (lbs/day)**
Fausse Pointe State Park WWTP	6.9	15.1	6.9	15.1
City of New Iberia WWTP	1,477.0	3,256.2	1,477.0	3,256.2
St. Mary Sugar Coop	99.4	219.1	99.4	219.1
Total Point Source allocations (WLA)	1,583.2	3,490.4	1,583.2	3,490.4
Point Source MOS	395.8	872.6	395.8	872.6
Natural Nonpoint Source LA	59,438.3	131,038.9	31,892.2	70,310.4
Natural Nonpoint Source MOS	0.0	0.0	0.0	0.0
Manmade Nonpoint Source LA	195,756.4	431,569.0	195,808.8	431,684.6
Manmade Nonpoint Source MOS	48,939.1	107,892.3	48,952.2	107,921.2
TMDL	306,112.7	674,863.2	278,632.3	614,279.1

Current point source discharge limits can be maintained as follows:

PERMIT NO.	**FACILITY**	**CURRENT FLOW (MGD)**	**CURRENT LIMITS (mg/L)**	**MODELED FLOW (MGD)**	**SUMMER PROJECTION LIMITS (mg/L)**	**WINTER PROJECTION LIMITS (mg/L)**

LAG540415	Lake Fausse Pointe State Park	0.01	30 BOD/ 30 TSS	0.0125	Same	Same
LA0065251	City of New Iberia	2.5	10 BOD/ 15 TSS	3.125	Same	Same
LA0005410	St. Mary Sugar Cooperative	1.4	15 BOD/ 50 TSS	1.75	Same	Same

Vermilion River TMDLs for Dissolved Oxygen and Nitrogen

<u>Subsegments include</u>:
060801 – Vermilion River from headwaters to LA-3073
060802 – Vermilion River from LA-3073 bridge to ICWW

Developed by USEPA
Approved by EPA on 4/5/2001
Document Date: 1/19/2001

LDEQ EDMS Document Number 6599783

060904

Rodere Canal

WLA for Proposed New Iberia STP

New Iberia STP (New Admiral Doyle Plant)

Projected Flow: 6.0 MGD

Receiving Stream: Rodere Canal

Summer Limitations: 10 mg/L CBOD / 2 mg/L NH_3-N/ 3 mg/L DO

Winter Limitations: 10 mg/L CBOD/10 mg/L NH_3-N/ 3 mg/L DO

Vermilion-Teche River Basin

Pesticide (Carbofuran) TMDL

http://www.epa.gov/earth1r6/6wq/ecopro/latmdl/carbofuran_mermvt(f).pdf

Subsegments

050101
050701
050702
050901
060901
060205
060207
060301
060401
060701
060801
060802
060803
060902
060903
060904
060906
060907
060910
060911
061101
061102

061201

Vermilion-Teche River Basin Coastal Waters

EPA's Hg TMDL

http://www.epa.gov/earth1r6/6wq/npdes/tmdl/latmdl/2005tmdls/6hgtmdls605f.pdf

Subsegments

010901
021102
042209
070601
110701
120806

MISSISSIPPI RIVER BASIN

TMDLs/WLAs

Fecal Coliform BacteriaTMDLs for Selected Subsegments in the Mississippi River Basin

<u>Subsegments include</u>:
070401 – Mississippi River Passes
070502 – Thompson Creek
070503 – Capitol Lake

Developed by Tetra Tech for EPA
Approved by EPA on 3/28/2011
Document Date: May 2010

LDEQ EDMS Document Number 8409936

070501

Bayou Fountain

City of St. Francisville (Summer/May-Oct)	0.3 MGD	20 $CBOD_5$/10 NH_3-N/5 DO
		30 BOD_5/5 DO (Winter/Nov-April)

070601

EPA's Hg TMDL for Coastal and Gulf Waters

http://www.epa.gov/earth1r6/6wq/npdes/tmdl/latmdl/2005tmdls/6hgtmdls605f.pdf

Subsegments
010901
021102
042209
070601
110701
120806

OUACHITA RIVER BASIN

TMDLs/WLAs

TMDLs for Toxic Pollutants
For
Ouachita River Basin Subsegments

080101 Ouachita River for Mercury

http://www.epa.gov/region6/water/ecopro/latmdl/ouarmercury(f).pdf

080901, 080903, 081001, 081002, 081201 for Selected Pesticides

http://www.epa.gov/region6/water/ecopro/latmdl/ouapesticides(f).pdf

080904, 080912 for Dioxin

http://www.epa.gov/region6/water/ecopro/latmdl/ouadioxin(f).pdf

080101

Ouachita River

TMDL for BOD

Summer Allocations and TMDLs

PARAMETER	WLA (lbs/day)	LA (lbs/day)	MOS (lbs/day)	TMDL (lbs/day)
UCBOD	17,821	107,719	16,424	141,964
ORG-N	6,769	22,901	4,237	33,907
NH_3-N	2,841	676	785	4,302
SOD	0	5.0	0.6	5.6
TOTAL	27,430	131,301	21,447	180,177

Winter Allocations and TMDLs

PARAMETER	WLA (lbs/day)	LA (lbs/day)	MOS (lbs/day)	TMDL (lbs/day)
UCBOD	21,228.8	139,056.8	20,621.4	180,906.9
ORG-N	7,305.8	27,779.3	4,891.5	39,976.6
NH_3-N	3,110.8	765.2	851.9	4,727.8
SOD	0	2.8	0.3	3.1
TOTAL	31,645.3	167,604.0	26,365.1	225,614.4

Dischargers in subsegment 080101 are listed on the following page..

Ouachita River Dischargers

Dischargers					Permit limits		
Facility	Outfall no.	Permit no.	Outfall ORM	Design flow (mgd)	Temp (^oF)	$CBOD_5$	NH_3-N
Ouachita Power	001,002	LA0112780	192.90	2.324	99		
Entergy Sterlington	001,002	LA0007579	192.46	159	112		
Town of Sterlington POTW	001	LA0046809	191.81	0.225	30	30 mg/L	
Koch Nitrogen	001	LA0094846	191.36	2.49			342 lb/d
Angus Chemical	002	LA0007854	189.24	0.75		288 lb/d	
Entergy Monroe	001,002	LA0007765	169.29	116	106		
Graphic Packaging International*	001	LA0007617	160.91	31.72		Hydrograph Limited[1]	
West Monroe POTW	*	LA0043982		6.87		30 mg/L	
City of Monroe POTW	001	LA0038741	159.56	12.0		10 mg/L	2 mg/l

1. Calculated from the 7-day running average of the Ouachita River flow in cfs.

The calculated daily maximum allocations are, for summer season and the current production rate;

For Q ≤ 802 cfs, daily maximum BOD_5 = 4,532 lbs/day
For 802 cfs ≤ Q ≤ 5,200 cfs, daily maximum BOD_5 = 5.73124Q – 64
For Q ≥ 5,200 cfs, daily maximum BOD_5 = 0.63Q + 26,462

for the summer season and the requested increase in production;

For Q ≤ 802 cfs, daily maximum BOD_5 = 4,532 lbs/day
For 802 cfs ≤ Q ≤ 5,800 cfs, daily maximum BOD_5 = 6.82573Q – 942
For Q ≥ 5,800 cfs, daily maximum BOD_5 = 0.63Q + 34,993

for the winter season and the current production rate;

For $Q \leq 1231$ cfs, daily maximum BOD_5 = 6,991 lbs/day

For 1231 cfs $\leq Q \leq$ 5,200 cfs, daily maximum $BOD_5 = 5.73124Q - 64$

For $Q \geq$ 5,800 cfs, daily maximum $BOD_5 = 0.63Q + 26{,}462$

and for the winter season and the requested increase in production;

For $Q \leq 1231$ cfs, daily maximum BOD_5 = 7,460 lbs/day

For 1231 cfs $\leq Q \leq$ 5,800 cfs, daily maximum $BOD_5 = 6.82573Q - 942$

For $Q \geq$ 5,800 cfs, daily maximum $BOD_5 = 0.63Q + 34{,}993$

080102

Bayou Chauvin

TMDL for BOD

Total Maximum Daily Load (Sum of CBOD, NH_3-N, and SOD) for Bayou Chauvin, 080102

Allocation	Summer (May-Oct)		Winter (Nov-Apr)	
	Kgm/day	Lbs/day	Kgm/day	Lbs/day
Point Source WLA	210	463	584	1288
Point Source Reserve MOS	53	117	146	322
Natural Nonpoint Source LA	97	214	67	148
Natural Nonpoint Source Reserve MOS	0	0	0	0
Manmade Nonpoint Source LA	53	117	100	221
Manmade Nonpoint Source Reserve MOS	15	33	25	55
TMDL	428	944	922	2034

Benthic Load Reductions and Wasteload Allocations/Effluent Limitations Table 1. Benthic Load Reductions and Wasteload Allocations

Model reach	Percent summer reduction of man-made benthic load	Percent winter reduction of man-made benthic load	Facility name	WLA as CBOD5/NH3-N/DO	
				Summer	Winter
1	100	60			
2	100	60			
4	100	60			
5	80	60			
6	80	60	Leisure Village	16/8/5	Secondary
7	80	60	Oakwood Pond #2	8/4/5	20/10/5
8	80	60			
10	80	60			
11	80	60			
13	80	60	North Monroe SD #1	Secondary	Secondary
14	0	0			
16	0	0			
18	0	0			

Model	Percent	Percent	Facility name	WLA as CBOD5/NH3-N/DO

reach	summer reduction of man-made benthic load	winter reduction of man-made benthic load		Summer	Winter
1	100	60			
2	100	60			
4	100	60			
5	80	60			
6	80	60	Leisure Village	16/8/5	Secondary
7	80	60	Oakwood Pond #2	8/4/5	20/10/5
8	80	60			
10	80	60			
11	80	60			
13	80	60	North Monroe SD #1	Secondary	Secondary
14	0	0			
16	0	0			
18	0	0			

Bayou Chauvin TMDL
For Noxious Aquatic Plants

Subsegment 080102

http://www.epa.gov/region6/water/ecopro/latmdl/napchauvin(f).pdf

080603

Bayou D'Arbonne

TMDL for BOD

TMDL for Bayou D'Arbonne (Sum of CBOD, Organic N, Ammonia N, and SOD)

	Summer (July-Sept)		**Winter (Oct-June)**	
	Reduction	**Load (kg/day)**	**Reduction**	**Load (kg/day)**
Point Source WLA	none	25	none	46
Point Source Reserve MOS (20%)	--	6	--	11
Natural Nonpoint Source LA	0%	401	0%	971
Natural Nonpoint Source MOS (0%)	--	0	--	0
Man-made Nonpoint Source LA	95%	13	85%	132
Man-made Nonpoint Source MOS (20%)	--	5	--	35
TMDL	--	450	--	1195

Dischargers:

City of Dubach (West Pond)
Advanced Treatment

Subsegment 080606
Cypress Creek TMDL for Fecal Coliform Bacteria
Developed by Tetra Tech for LDEQ
Approved by EPA on 3/7/2011
Document Date: 10/5/2010

http://www.deq.louisiana.gov/portal/portals/0/technology/tmdl/pdf/Final_LDEQ_Fecal_080606_110210.pdf

Table ES-1. Summary of fecal coliform bacteria TMDL for Cypress Creek

Season	TMDL (MPN/day)	WLA (MPN/day)	LA (MPN/day)	Explicit MOS (MPN/day)	Percent reduction
Winter	5.87E+12	4.77E+10	4.65E+12	1.17E+12	0%
Summer	3.50E+11	4.77E+10	2.32E+11	7.00E+10	75%

Note: MPN = most probable number.

Table 3-2. WLA summary for subsegment 080606

AI #	Permit #	Outfall	Facility name	Outfall type	Flow type	Flow (GPD)	FCB limit type[1]	Limit (MPN/ 100 mL)	Load (MPN/d)
4666	LA0036323	001	Ruston, City of - Northside Wastewater Treatment Plant	treated sanitary wastewater	design	6,000,000	weekly ave.	400	9.08E+10
							monthly ave.	200	4.54E+10
31141	LAG110007	001	Century Ready Mix Corp	wastewater and stormwater	not avail.		none		
		002		stormwater	not avail.		none		
		003		stormwater and aggregate spray	not avail.		none		
		004		stormwater	not avail.		none		
		005		treated sanitary wastewater	not avail.		none		
		006		washrack and washdown wastewaters	not avail.		none		
119840	LAG110143	001	TXI Operations LP - TXI Ruston Ready Mix Plant	wastewaters and stormwater	average	8,549	none		
		002		stormwater	not avail.		none		
		003		stormwater and aggregate spray	not avail.		none		
		004		stormwater	not avail.		none		
		005		treated sanitary wastewater	average	500	weekly ave.	400	7.57E+06
							monthly ave.	none	
		006		washrack and washdown wastewaters	average	15,819	none		

AI #	Permit #	Outfall	Facility name	Outfall type	Flow type	Flow (GPD)	FCB limit type[1]	Limit (MPN/ 100 mL)	Load (MPN/d)
52342	LAG380004	001	Ruston, City of - Water Well #9 Plt	treated sanitary wastewater	30-day max	78,000	weekly ave.	400	1.18E+09
							monthly ave.	none	
40592	LAG480311	001	James Construction Group LLC - Construction Support Facility	wash waters	expected	1,000	none		
		002		industrial storm water runoff	not avail.		none		
10070	LAG480329	001	United Parcel Service Inc (UPS)	vehicle washwater and stormwater	design	800	none		
		002		treated sanitary wastewater	design	500	weekly ave.	400	7.57E+06
							monthly ave.	none	
118928	LAG480362	001	Enterprise Rent-A-Car - Construction	washrack wastewater	average	2,705	none		
119281	LAG490056	002a	Alstro LLC	stormwater	not avail.		none		
		002b		stormwater	not avail.		none		
		002c		stormwater	not avail.		none		
163496	LAG490094	005	Amethyst Construction Inc - Asphalt Plant Mining Operation	stormwater	not avail.		none		
134967	LAG531987	001	Aron & Laverne Kirbow - Oakwood Mobile Home Park	treated sanitary wastewater	expected	4,500	weekly ave.	400	6.81E+07
							monthly ave.	200	3.41E+07
142520	LAG532111	001	Rouge 33 Grill	treated sanitary wastewater	30-day max	1,253	weekly ave.	400	1.90E+07
							monthly ave.	200	9.49E+06
143936	LAG532156	001	Beverly Wyatt Rozelle Babcock - WWTP	treated sanitary wastewater	expected	1,200	weekly ave.	400	1.82E+07
							monthly ave.	200	9.08E+06
147998	LAG532199	001	Lincoln Parish Police Jury - Lincoln Parish Park - RV Campground WWTP	treated sanitary wastewater	expected	4,125	weekly ave.	400	6.25E+07
							monthly ave.	200	3.12E+07
149845	LAG532243	001	Lots & Blocks LLC - WWTP	treated sanitary wastewater	expected	800	weekly ave.	400	1.21E+07
							monthly ave.	200	6.06E+06
153578	LAG532465	001	M L Smith Jr Inc - WWTP	treated sanitary wastewater	expected	720	weekly ave.	400	1.09E+07
							monthly ave.	200	5.45E+06
145660	LAG532654	001	North Louisiana Exhibition Center	treated sanitary wastewater	design	5,000	weekly ave.	400	7.57E+07
							monthly ave.	200	3.79E+07
158033	LAG532856	001	PM Co - Serenity II	treated sanitary wastewater	expected	600	weekly ave.	400	9.08E+06
							monthly ave.	200	4.54E+06
166683	LAG533280	001	Hogan Plaza - Paul Hogan	treated sanitary wastewater	design	4,000	weekly ave.	400	6.06E+07
							monthly	200	3.03E+07

AI #	Permit #	Outfall	Facility name	Outfall type	Flow type	Flow (GPD)	FCB limit type[1]	Limit (MPN/ 100 mL)	Load (MPN/d)
							ave.		
42837	LAG540567	001	Pine Ridge Mobile Home Park	treated sanitary wastewater	average	6,789	weekly ave.	400	1.03E+08
							monthly ave.	200	5.14E+07
43818	LAG540773	001	Village Green Mobile Home Park	treated sanitary wastewater	expected	24,900	weekly ave.	400	3.77E+08
							monthly ave.	200	1.89E+08
52340	LAG540881	001	Cactus Jack's Restaurant Inc	treated sanitary wastewater	design	5,457	weekly ave.	400	8.26E+07
							monthly ave.	200	4.13E+07
86759	LAG541131	001	Town & Country Village Mobile Home Park	treated sanitary wastewater	average	3,866	weekly ave.	400	5.85E+07
							monthly ave.	200	2.93E+07
121780	LAG541368	001	American Water & Wastewater Management LLC - Camellia Estates Subdivision	treated sanitary wastewater	expected	11,200	weekly ave.	400	1.70E+08
							monthly ave.	200	8.48E+07
135010	LAG541395	001	Jaxco LLC - Tall Timbers Mobile Home Park	treated sanitary wastewater	expected	10,500	weekly ave.	400	1.59E+08
							monthly ave.	200	7.95E+07
137599	LAG541446	001	Wanda C Moseley - North Village Mobile Home Park	treated sanitary wastewater	average	1,184	weekly ave.	400	1.79E+07
							monthly ave.	200	8.96E+06
		002		treated sanitary wastewater	average	2,009	weekly ave.	400	3.04E+07
							monthly ave.	200	1.52E+07
147175	LAG541518	001	Hilly Junction Mobile Home Park	treated sanitary wastewater	expected	6,000	weekly ave.	400	9.08E+07
							monthly ave.	200	4.54E+07
158614	LAG541679	001	LGE Properties LLC - North Pointe Subdivision	treated sanitary wastewater	expected	19,600	weekly ave.	400	2.97E+08
							monthly ave.	200	1.48E+08
							weekly ave.	400	1.82E+08
169902	LAG541797	001	Scott's Catfish & Seafood	treated sanitary wastewater	design	12,000	monthly ave.	none	
119175	LAG750711	001	Hogan Hardwoods & Moulding Inc - Ruston Distribution Yard	exterior equipment washwater	expected	20	none		
		002		treated sanitary wastewater	expected	600	weekly ave.	400	9.08E+06
							monthly ave.	none	
		002B		treated sanitary wastewater	expected	600	weekly ave.	400	9.08E+06
							monthly ave.	none	
42306	LAG780025	001	Lincoln Parish Police Jury -	stormwater from	average	75,391	none		

AI #	Permit #	Outfall	Facility name	Outfall type	Flow type	Flow (GPD)	FCB limit type[1]	Limit (MPN/ 100 mL)	Load (MPN/d)
			Construction Debris Landfill	construction/demolition debris landfill					
14832	LAG830230	001	Burt's Chevron Service Center LLC	underground storage tank cleanup	expected	50,400	none		
153880	LAG830248	001	Black & Gold Facilities Corp - Tiger Village Building 700	UST - cleanup	expected	5,760	none		
43069	LAR05M015		Robert B McDonald	MSGP - stormwater	not avail.		none		
10070	LAR05M566		United Parcel Service Inc (UPS)	MSPG permit	not avail.		none		
86764	LAR05N326		LADOTD - Ruston	MSGP - stormwater	not avail.		none		
41727	LAR05N793		Coastal Chemical Co LLC	MSGP - stormwater	not avail.		none		
119175	LAR05P044		Hogan Hardwoods & Moulding Inc - Ruston Distribution Yard	MSGP - stormwater	not avail.		none		
119749	LAR10C486		Grand Cinema - Construction	stormwater CGP	not avail.		none		
120787	LAR10C493		Creekwood Subdivision - Construction	stormwater CGP	not avail.		none		
158494	LAR10F175		North Village - Malone Properties Inc	stormwater CGP	not avail.		none		
163440	LAR10F611		Willow Glen Extension - Ruston City of	stormwater CGP	not avail.		none		
167202	LAR10F996		Nest Development - Nest of Ruston LLC	stormwater CGP	not avail.		none		
170310	LAR10G377		Lagniappe Subdivision - Ruston Homes LLC	stormwater CGP	not avail.		none		

[1] Individual WLAs are calculated using the most stringent limit. Other limits and loads are presented for the reader's information only.
Note: MPN = most probable number.

080609

Corney Bayou

TMDL for BOD

TMDL for Corney Bayou (Sum of CBOD, Organic N, Ammonia N, and SOD)

	Summer (July-Sept)		**Winter (Oct-June)**	
	Reduction	**Load (kg/day)**	**Reduction**	**Load (kg/day)**
Point Source WLA	None	17	None	17
Point Source Reserve MOS (20%)	--	4	--	4
Natural Nonpoint Source LA	0% - 50%	3972	0%	4066
Natural Nonpoint Source MOS (0%)	--	0	--	0
Man-made Nonpoint Source LA	75% - 100%	1524	60% - 80%	2456
Man-made Nonpoint Source MOS (20%)	--	381	--	619
TMDL	--	5898	--	7162

080610

Middle Fork Bayou D'Arbonne

TMDL for BOD

TMDL for Middle Fork for summer DO standard (Sum of CBOD, Organic N, Ammonia N, and SOD)

	Summer (July-Sept)	
	Reduction	**Load (kg/day)**
Point Source WLA	Upgrade 2 facilities to advanced treatment	262
Point Source Reserve MOS (20%)	--	65
Natural Nonpoint Source LA	0%	1902
Natural Nonpoint Source MOS (0%)	--	0
Man-made Nonpoint Source LA	70%	367
Man-made Nonpoint Source MOS (20%)	--	93
TMDL	--	2689

Dischargers:

City of Bernice
Upgrade to Advanced Treatment

David Wade Correctional Center
Outfall 003
Upgrade to Advanced Treatment

David Wade Correctional Center
Outfalls 001, 002
Advanced Treatment

City of Haynesville
Advanced Treatment

080901

Boeuf River

TMDL for BOD

Total Maximum Daily Load (Sum of CBOD, NBOD, and SOD) for Boeuf River, 080901

ALLOCATION	SUMMER		WINTER	
	% Reduction Required	(MAY-OCT) (lbs/day)	% Reduction Required	(NOV-APR) (lbs/day)
Point Source WLAs		1790		1934
Point Source Reserve MOS @ 20%		447		483
Nonpoint Source LA	90% in Middle and Lower Sections	82971	20% in Middle Section	161907
Nonpoint Source Reserve MOS @ 10% of Man-Made	10	2358	10	24294
TMDL		87566		188618

Dischargers:

Town of Rayville
Upgrade from effluent limits of 10 mg/l BOD_5/5 mg/l NH_3N to effluent limits of 5 mg/l BOD_5/5 mg/l NH_3N

All other dischargers remain at their current permit limits.

080903

Big Creek

TMDL for BOD

Total Maximum Daily Load (Sum of CBOD, NBOD, and SOD) for Big Creek, 080903
Current Standard: 5.0 mg/l

TMDL component loads	Critical summer season (May - Oct) BOD Loading (lbs/day)	% of TMDL
Headwater/Tributary Loads	33	0.13
Benthic Loads	22,317	89.73
Point Source Loads*	891	3.60
Margin Of Safety	1,634	6.54
Reduction of man-made nonpoint	35% - 75%	
Total maximum daily load (TMDL)	24,875	100

* Dischargers listed on following page.

080903

Big Creek

Dischargers				Proposed Permit Limits	
Pt. Source / Facility Description and Reach #	Receiving Stream	Included in the Projection Model (Yes/No)	Anticipated/ design flow (cms)	$CBOD_5$ (mg/l)	NH_3N (mg/l)
Mangham Wastewater Treatment Plant - LA0032115	Big Creek	Yes	0.0028	10.0	10.0
Allen Canning Company - Vegetable canning plant - LA000781 - Outfall 001 & 004	Unnamed drainage canal, thence into Deer Creek, thence into Little Hurricane Creek, thence into Colewa Bayou	No	0.0006573	30.0	15.0
Allen Canning Company - Vegetable canning plant - LA000781 - Outfall 002 & 003	Unnamed drainage canal, thence into Deer Creek, thence into Little Hurricane Creek, thence into Colewa Bayou	No	0.0153361	45.0	15.0
Oak Grove Wastewater Treatment Facility - LA0043648	Unnamed ditch, thence into Little Colewa Bayou, thence into Big Creek, Thence into Boeuf River	No	0.0131453	15.0	10.0
EPPS Compressor Station #66 - LA0007625	Unnamed highway ditch; thence into Big Colewa Creek; thence into Big Creek	No	0.0001315	45.0	15.0
Elysian Fields WWTP - LAG540290	Unnamed ditch, thence into Hwy 135 roadside ditch, thence into Little Creek, thence into Big Creek	No	0.0021909	45.0	15.0
Sugar Hill Community - LAG540138	Unnamed ditch, thence into Big Creek, thence into Bayou Boeuf	No	0.0009859	45.0	15.0
Bee Bayou Truck Stop - LA0111741	Unnamed ditch, thence into Cow Bayou, thence into Big Creek	No	0.0001315	45.0	15.0
Mangham Square Apartment - LAG540492	Unnamed ditch, thence into Buzzard Creek, thence into Big Creek	No	0.0009859	45.0	15.0
Branch Crossing STP - LAG530224	unnamed ditch, thence into Burns Bayou, thence into Bee Bayou.	No	0.0001928	45.0	15.0
LI Ready Mix Plant #27 - LAG110071	Unnamed ditch, thence into Little Creek, thence into Big Creek	No	0.0002191	45.0	15.0

Subsegment 080906
Turkey Creek TMDL for Fecal Coliform Bacteria
Developed by Tetra Tech for LDEQ
Approved by EPA on 3/7/2011
Document Date: 10/5/2010

http://www.deq.louisiana.gov/portal/portals/0/technology/tmdl/pdf/Final_LDEQ_Fecal_080906_100110.pdf

Table ES-1. Summary of fecal coliform bacteria TMDL for Turkey Creek

Season	TMDL (MPN/day)	WLA (MPN/day)	LA (MPN/day)	Explicit MOS (MPN/day)	Percent reduction
Winter	3.89E+12	7.31E+09	3.10E+12	7.77E+11	49%
Summer	2.01E+11	7.31E+09	1.53E+11	4.01E+10	0%

Note: MPN = most probable number.

Table 3-2. WLA summary for subsegment 080906

AI #	Permit #	Outfall	Facility name	Outfall type	Flow type	Flow (gpd)	FCB limit type[1]	Limit (MPN/100 mL)	Load (MPN/d)
43990	LA0020281	001	Winnsboro City of - Oxidation Lagoon	treated sanitary wastewater	expected	800,000	weekly ave.	400	1.21E+10
							monthly ave.	200	6.06E+09
43989	LA0038253	001	Winnsboro Town of - Industrial Park	treated sanitary wastewater	design	100,000	weekly ave.	400	1.51E+09
							monthly ave.	200	7.57E+08
153533	LA0124630	001	LADAF - District Office Winnsboro	vehicle and equipment washwater	not avail.		none		
153533	LA0124630	002	LADAF - District Office Winnsboro	treated sanitary wastewater	expected	500	weekly ave.	400	7.57E+06
							monthly ave.	200	3.79E+06
26304	LAG470107	001	Dennis Crain Dodge Chrysler Inc	washrack wastewater	expected	857	none		
91084	LAG531191	001	Jimmy Wilhite Trailer Park	treated sanitary wastewater	expected	4,500	weekly ave.	400	6.81E+07
							monthly ave.	200	3.41E+07
30309	LAG532441	001	Macon Ridge Propane Service Inc - Winnsboro Branch	treated sanitary wastewater	expected	20	weekly ave.	400	3.03E+05
							monthly ave.	200	1.51E+05
153669	LAG532482	001	Abundant Life Evangelistic Ministry	treated sanitary wastewater	expected	1,000	weekly ave.	400	1.51E+07
							monthly ave.	200	7.57E+06

AI #	Permit #	Outfall	Facility name	Outfall type	Flow type	Flow (gpd)	FCB limit type[1]	Limit (MPN/100 mL)	Load (MPN/d)
153747	LAG532504	001	Franklin Parish Police Jury - Road Barn	treated sanitary wastewater	expected	800	weekly ave.	400	1.21E+07
							monthly ave.	200	6.06E+06
76027	LAG532553	001	Rick's Best Stop	treated sanitary wastewater	expected	140	weekly ave.	400	2.12E+06
							monthly ave.	200	1.06E+06
156912	LAG532699	001	Unnamed Trailer Park - James C Donnell - WWTP	treated sanitary wastewater	expected	1,500	weekly ave.	400	2.27E+07
							monthly ave.	200	1.14E+07
76026	LAG532944	001	Cupit's Corner	treated sanitary wastewater	expected	340	weekly ave.	400	5.15E+06
							monthly ave.	200	2.57E+06
164011	LAG533113	001	Rons Warehouse Furniture - Re:RWF LLC	treated sanitary wastewater	expected	80	weekly ave.	400	1.21E+06
							monthly ave.	200	6.06E+05
121228	LAG541693	001	Winnsboro Church of the Nazarene Inc - Family Community Christian School	treated sanitary wastewater	expected	8,250	weekly ave.	400	1.25E+08
							monthly ave.	200	6.25E+07
41565	LAG570148	001	Franklin Parish Police Jury - Horace White Sewage District	treated sanitary wastewater	expected	48,000	weekly ave.	400	7.27E+08
							monthly ave.	200	3.63E+08

[1] Individual WLAs are calculated using the most stringent limit. Other limits and loads are presented for the reader's information only.
Note: MPN = most probable number.

080909

Crew Lake

TMDL for BOD

Total Maximum Daily Load (Sum of CBOD, NH_3-N, and SOD)

ALLOCATION	Annual	
	% Reduction Required	(Jan-Dec) (lbs/day)
Point Source WLA*	0	18
Point Source Reserve MOS	0	4
Natural Nonpoint Source LA	0	891
Natural Nonpoint Source Reserve MOS	0	0
Manmade Nonpoint Source LA	95	357
Manmade Nonpoint Source Reserve MOS	0	40
TMDL		1310

* A facility review was performed at the time this TMDL was developed. Most of the dischargers in this watershed are small and located on tributaries or ditches to the 303(d) listed waterbody. These were not included in the TMDL model. It is unlikely that they will have an impact on the targeted waterbody due to the small load and/or the distance from the waterbody named on the 303(d) lists. These dischargers are included in the TMDL load calculations using their current state policy based permit limits along with their anticipated flows. Thus, they can continue to be permitted based on the State effluent limitations policy.

080912

Tisdale Brake/Staulkinghead Creek

Town of Bastrop (Main Plant)	0.7 MGD	10 BOD_5/15 TSS/5 NH_3-N/5 DO
Town of Bastrop (West Pond)	0.4 MGD	20 BOD_5/20 TSS/10 NH_3-N/5 DO

081003

Deer Creek

Town of Wisner 0.2034 MGD 10 BOD_5/15 TSS/5 NH_3-N/5 DO

081501

Castor Creek

TMDL for BOD

TMDL to meet DO Standard of 5 mg/L	Summer season (May - Oct)		Winter season (Nov - Apr)	
	BOD Loading (lbs/day)	% of TMDL	BOD Loading (lbs/day)	% of TMDL
Total point source allocations	0	0	0	0
(WLA)	0	0	0	0
Point source margin of safety (MOS)	2	0.03	25	0.01
Headwater/Tributary Loads				
Benthic Loads	4,807	79.77	2,442	98.52
Incremental Loads	12	0.20	12	0.47
Nonpoint source margin of safety (MOS)	1,205	20.00	619	20.00
Total maximum daily load (TMDL)	6,026	100	3,098	100

Dischargers:

Several point sources fall within the Castor Creek subsegment. These facilities were deemed either intermittent stormwater or minor discharges on unnamed tributaries and were not included in this model. Limits for these small facilities are generally set by state policy or guidelines and can continue as such.

081504

Flat Creek

TMDL for BOD

Calculation of the TMDL for the current DO criterion of 5.0 mg/L year-round			
Load description	WLA (lbs/day) (oxygen-demanding pollutants)	LA (lbs/day) (oxygen-demanding pollutants)	Reserve/ MOS Load (lbs/day)
Point Source loads	22		6
Headwater / Tributary loads		10	
Benthic loads		2,171	0
SUB-TOTAL	**22**	**2,181**	**6**
TMDL = WLA + LA + MOS		***2,209***	

Dischargers:

Village of Sikes (LAG540647) discharges 20,000 gallons per day into a tributary of Flat Creek. The Village of Sikes will receive monthly average effluent limits of 30 mg/L BOD_5 and 15 mg/L NH_3-N (Statewide Sanitary Effluent Limitations Policy).

Subsegment 081607
Trout Creek TMDL for Fecal Coliform Bacteria
Developed by Tetra Tech for LDEQ
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http://www.deq.louisiana.gov/portal/portals/0/technology/tmdl/pdf/Final_LDEQ_Fecal_081607_093010.pdf

Table ES-1. Summary of fecal coliform bacteria TMDL for Trout Creek

Season	TMDL (MPN/day)	WLA (MPN/day)	LA (MPN/day)	Explicit MOS (MPN/day)	Percent reduction
Winter	3.09E+12	3.75E+07	2.47E+12	6.18E+11	0%
Summer	2.90E+11	3.75E+07	2.32E+11	5.80E+10	0%

Note: MPN = most probable number.

Table 3-2. WLA summary for subsegment 081607

AI #	Permit #	Outfall	Facility name	Outfall type	Flow type	Flow (gpd)	FCB limit type[1]	Limit (MPN/100 mL)	Load (MPN/d)
86170	LAG490012	001	TXI Operations LP - Jena Aggregates Plant	process waste and stormwater	average	73,719	none		
		002		process waste and stormwater	not avail.		none		
		003		process waste and stormwater	not avail.		none		
		004		treated sanitary wastewater	average	833	weekly ave.	400	1.26E+07
							monthly ave.	none	
		005		stormwater	not avail.		none		
101374	LAG531341	001	Fellowship Elementary School	treated sanitary wastewater	expected	3,280	weekly ave.	400	4.97E+07
							monthly ave.	200	2.48E+07
165213	LAR05P135		Kepco Operating Inc - Strozier #1 Lease	MSGP - stormwater	not avail.		none		

[1] Individual WLAs are calculated using the most stringent limit. Other limits and loads are presented for the reader's information only.
Note: MPN = most probable number.

Subsegment 081608
Big Creek TMDL for Fecal Coliform Bacteria
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http://www.deq.louisiana.gov/portal/portals/0/technology/tmdl/pdf/Final_LDEQ_Fecal_081608_093010.pdf

Table ES-1. Summary of fecal coliform bacteria TMDL for Big Creek

Season	TMDL (MPN/day)	WLA (MPN/day)	LA (MPN/day)	Explicit MOS (MPN/day)	Percent reduction
Winter	6.82E+12	5.75E+08	5.45E+12	1.36E+12	0
Summer	6.40E+11	5.75E+08	5.11E+11	1.28E+11	49

Table 3-2. WLA summary for subsegment 081608

AI #	Permit #	Outfall	Facility name	Outfall type	Flow type	Flow (MGD)	FCB limit type[1]	Limit (MPN/100 mL)	Load (MPN/d)
51913	LA0064963	001	Dry Prong, Village of	treated sanitary wastewater	design	0.076	weekly ave.	400	1.15E+09
							monthly ave.	200	5.75E+08
3133	LA0047546	002	Vanguard Synfuels LLC - Vanguard Biodiesel Plant	stormwater	DMR average	0.3712	none		
		004		stormwater	DMR average	0.0827	none		
		005		hydrostatic test water	DMR average	0	none		
66332	LAG750288	001	Grant One Stop	vehicle and equipment washwater	DMR 30-day average	0.0002	none		
111313	LAR05N427		LADOTD - Dry Prong Maintenance Yard	MSGP - stormwater	not avail.		none		

[1] Individual WLAs are calculated using the most stringent limit. Other limits and loads are presented for the reader's information only.
Note: MPN = most probable number.

081608

Big Creek

Town of Dry Prong	0.14 MGD	10 $CBOD_5$/5 NH_3-N /6 DO (Summer/April-Oct) 10 $CBOD_5$/10 NH_3-N /6 DO (Winter/Nov-March)
Town of Pollock	0.108 MGD	30 BOD_5/15 NH_3-N (year-round)

BOD and Nutrients TMDLs
For
Ouachita River Basin Subsegments

080201 Ouachita River
http://www.epa.gov/region6/water/ecopro/latmdl/ouachitado(f).pdf

080302 Black River
http://www.epa.gov/region6/water/ecopro/latmdl/blackdo(f).pdf

080501 Bayou de L'Outre
http://www.epa.gov/region6/water/ecopro/latmdl/deloutredo(f).pdf

080607 Corney Bayou
http://www.epa.gov/region6/water/ecopro/latmdl/corneydo(f).pdf

080902 Bayou Bonne Idee
http://www.epa.gov/region6/water/ecopro/latmdl/bonneideedo(f).pdf

080904 Bayou Lafourche
http://www.epa.gov/region6/water/ecopro/latmdl/lafourchedo(f).pdf

080910 Clear Lake
http://www.epa.gov/region6/water/ecopro/latmdl/clearlakedo(f).pdf

081002 Joes Bayou
http://www.epa.gov/region6/water/ecopro/latmdl/joesdo(f).pdf

081201 Tensas River
http://www.epa.gov/region6/water/ecopro/latmdl/tensasdo(f).pdf

081202 Lake St. Joseph
http://www.epa.gov/region6/water/ecopro/latmdl/stjosephdo(f).pdf

Fecal Coliform TMDLs
For
Ouachita River Basin Subsegments

080102 Bayou Chauvin
http://www.epa.gov/region6/water/ecopro/latmdl/fcchauvin(f).pdf

080610 Middle Fork Bayou D'Arbonne
http://www.epa.gov/region6/water/ecopro/latmdl/fcmfbdarbonne(f).pdf

080905 Turkey Creek
http://www.epa.gov/region6/water/ecopro/latmdl/fcturkeycr(f).pdf

080910 Clear Lake
http://www.epa.gov/region6/water/ecopro/latmdl/fcclearlake(f).pdf

081001 Bayou Macon
http://www.epa.gov/region6/water/ecopro/latmdl/fcmacon(f).pdf

081602 Little River
http://www.epa.gov/region6/water/ecopro/latmdl/fclittler(f).pdf

Turbidity, TSS, TDS, Cl, SO_4 TMDLs
For
Ouachita River Basin Subsegments

Ouachita River Basin (13 subsegments) for TSS, Turbidity
http://www.epa.gov/region6/water/ecopro/latmdl/ouachitatss(f).pdf

080102
080202
080401
080901
080903
080904
080910
081001
081002
081201
081202
081601
081602

081501 Castor Creek for Cl, TDS/Salinity
http://www.epa.gov/region6/water/ecopro/latmdl/castorcl_tds(f).pdf

PEARL RIVER BASIN

TMDLs

TMDLs for DO (090105, 090204, 090207)
TMDL developed by Tetra Tech for EPA; dated 3/25/2008 and revised 9/10/2008.
http://www.epa.gov/region6/water/npdes/tmdl/2008/louisiana/final/pearl_dotmdls_08f.pdf

TMDLs for Mercury (090101, 090102, 090103, 090105, 090106, 090107, 090201, 090202-05126, 090203, 090204, 090205, 090206, 090207, 090207-5112, and 090501)
TMDL developed by Tetra Tech for EPA; dated 9/17/2007.
http://www.epa.gov/regionhttp://www.deq.louisiana.gov/portal/portals/0/technology/tmdl/pdf/12062007CocodrieTMDLcopperrevised12-06-2007.pdf6/water/npdes/tmdl/2008/louisiana/final/pearl_hgtmdls_08f.pdf

TMDLs for Fecal Coliform (090101, 090104, 090301, 090401, 090502, 090505, and 090506)
TMDL developed by FTN Associates for EPA; dated 3/31/2008.
http://www.epa.gov/region6/water/npdes/tmdl/2008/louisiana/final/pearl_fctmdls_08f.pdf

TMDLs for Turbidity (090106, 090201, 090202, 090501)
TMDL developed by FTN Associates for EPA; dated 3/31/2008.
http://www.epa.gov/region6/water/npdes/tmdl/2008/louisiana/final/pearl_turtmdls_08f.pdf

Subsegment 090207
Middle and West Middle Pearl River TMDL for Fecal Coliform Bacteria
Developed by Tetra Tech for LDEQ
Approved by EPA on 3/7/2011
Document Date: 12/3/2010

http://www.deq.louisiana.gov/portal/portals/0/technology/tmdl/pdf/Final_LDEQ_Fecal_TMDL_090207_12032010.pdf

Table ES-1. Summary of fecal coliform bacteria TMDL for Middle Pearl River and West Middle Pearl River

Season	TMDL (MPN/day)	WLA (MPN/day)	LA (MPN/day)	Explicit MOS (MPN/day)	Percent reduction
Winter	7.41E+13	0.00E+00	5.92E+13	1.48E+13	0%
Summer	5.50E+12	0.00E+00	4.40E+12	1.10E+12	81%

Note: MPN = most probable number.

Subsegment 090502
Big Silver Creek TMDL for Fecal Coliform Bacteria
Developed by Tetra Tech for LDEQ
Approved by EPA on 3/7/2011
Document Date: 10/5/2010

http://www.deq.louisiana.gov/portal/portals/0/technology/tmdl/pdf/Final_LDEQ_Fecal_090502_093010.pdf

Table ES-1. Summary of fecal coliform bacteria TMDL for Big Silver Creek

Season	TMDL (MPN/day)	WLA (MPN/day)	LA (MPN/day)	Explicit MOS (MPN/day)	Percent reduction
Winter	3.19E+12	8.30E+07	2.55E+12	6.37E+11	90%
Summer	3.44E+11	8.30E+07	2.75E+11	6.88E+10	98%

Note: MPN = most probable number.

Table 3-2. WLA summary for subsegment 090502

AI #	Permit #	Outfall	Facility name	Outfall type	Flow type	Flow (gpd)	FCB limit type[1]	Limit (MPN/100 mL)	Load (MPN/d)
94405	LAG541177	001	Mt Hermon School	treated sanitary wastewater	expected	10,960	weekly ave.	400	1.66E+08
							monthly ave.	200	82,976,255

[1] Individual WLAs are calculated using the most stringent limit. Other limits and loads are presented for the reader's information only.

Subsegment 090503
Little Silver Creek TMDL for Fecal Coliform Bacteria
Developed by Tetra Tech for LDEQ
Approved by EPA on 3/7/2011
Document Date: 10/5/2010

http://www.deq.louisiana.gov/portal/portals/0/technology/tmdl/pdf/Final_LDEQ_Fecal_090503_093010.pdf

Table ES-1. Summary of fecal coliform bacteria TMDL for Little Silver Creek

Season	TMDL (MPN/day)	WLA (MPN/day)	LA (MPN/day)	Explicit MOS (MPN/day)	Percent reduction
Winter	4.29E+12	0.00E+00	3.43E+12	8.57E+11	68%
Summer	4.63E+11	0.00E+00	3.70E+11	9.25E+10	98%

Note: MPN = most probable number.

RED RIVER BASIN

TMDLs/WLAs

100101

Posey Branch

City of Coushatta	0.185 MGD	30 BOD_5/90 TSS/6 DO

100305

Mahlin Bayou/McCain Creek

Discharger	Design Flow (MGD)	Effluent Limits (BOD_5/TSS/NH_3-N/DO)
Caddo Sewer District #7	1.0	30/30/15/5
Town of Blanchard POTW	0.5	20/20/10/5
Hillside Mobile Home Park	0.0309	20/20 *
Country Aire MHP	0.0204	30/30 *
Northwood MHP	0.0168	30/30 *

* Based on the Statewide Sanitary Effluent Limitations Policy, ammonia (NH3) limitations are assumed to be one half the BOD_5 loading.

100402

Red Chute Bayou

Effluent Limits:

20 $CBOD_5$/10 NH_3-N/2 DO May-October
30 $CBOD_5$/15 NH_3-N/2 DO November-April

Discharger	Design Flow (MGD)
Dogwood North	0.175
East Highland	0.030
Espanita Forest	0.059
Dogwood South	0.299

100404 and 100405

TMDLs for DO in Cypress Bayou Reservoir and Black Bayou including Black Bayou Reservoir

Developed by FTN Associates for EPA; dated 3/25/2008

http://www.epa.gov/region6/water/npdes/tmdl/2008/louisiana/final/3cypre_blk_dotmdlf.pdf

100406

TMDLs for DO and Nutrients in Flat River

Developed by FTN Associates for EPA; dated 3/24/2008

http://www.epa.gov/region6/water/npdes/tmdl/2008/louisiana/final/6flat_donutf_tmdl.pdf

100501

TMDL for DO in Bayou Dorcheat

Developed by FTN Associates for EPA; dated 3/25/2008

http://www.epa.gov/region6/water/npdes/tmdl/2008/louisiana/final/7dorcheat_dof_tmdl.pdf

TMDL for Mercury in Bayou Dorcheat

Developed by FTN Associates for EPA; dated 3/26/2008

http://www.epa.gov/region6/water/npdes/tmdl/2008/louisiana/final/8dorcheat_hgf_tmdl.pdf

100601

TMDLs for DO and Nutrients in Bayou Pierre

Developed by FTN Associates for EPA; dated 3/21/2008

http://www.epa.gov/region6/water/npdes/tmdl/2008/louisiana/final/9bpierre_donutf_tmdl.pdf

100602

TMDLs for DO and Nutrients in Boggy Bayou

Developed by FTN Associates for EPA; dated 3/24/2008

http://www.epa.gov/region6/water/npdes/tmdl/2008/louisiana/final/10boggyb_donutf_tmdl.pdf

100605

Lake Edwards/Smithport Lake Watershed

TMDL for DO and Nutrients

Developed by LDEQ; dated 6/13/2007

http://www.deq.louisiana.gov/portal/portals/0/technology/tmdl/pdf/Final_100605LakeEdwardsSmithportLakeTMDL_083107.pdf

Total Maximum Daily Load (Sum of UCBOD, UNBOD, and SOD)

ALLOCATION	SUMMER		WINTER	
	% Reduction Required	(MAR-NOV) (lbs/day)	% Reduction Required	(DEC-FEB) (lbs/day)
Point Source WLA	0	86	0	415
Point Source Reserve MOS (20%)		22		104
Natural Nonpoint Source LA	40	2,953	40	2,650
Natural Nonpoint Source Reserve MOS (20%)		0		0
Manmade Nonpoint Source LA	100	0	100	0
Manmade Nonpoint Source Reserve MOS (20%)		0		0
TMDL		3,061		3,169

***Note1: UCBOD as stated in this allocation is Ultimate CBOD.
UCBOD to $CBOD_5$ ratio = 2.3 for all treatment levels
Permit allocations are generally based on $CBOD_5$***

The results of the projection modeling for subsegment 100605 show that the water quality standard for dissolved oxygen can be maintained during the winter critical season with the same 100% reduction of man-made nonpoint source pollution and 40% reduction in natural background pollution. The minimum DO is 5.08 mg/l. Subsegment 100605 has a year round water quality standard for dissolved oxygen of 5.0 mg/l.

Lake Edwards/Smithport Lake Dischargers Subsegment 100605

FACILITY	AI NUM	FILE_NUM	OUTFALL_DESCRIPTION	FAC_TYPE	FLOW_PATH	EXPECTED FLOW, GPD	BOD, mg/L	Ammonia Limits	MODELING COMMENTS
FRIERSON PLAZA APARTMENTS, PTNRS.	18984	17933236; 32568315	Treated Sanitary Wastewater; Apartment Complex	Apartments	To Rambin Bayou thence to Clear Lake	9200	30	2	Too Far Away
TWIN CORNERS MOBILE HOME PARK	22119	18110484; 32567773	Treated sanitary wastewater from oxidation ponds; Mobile Home park	Mobile Home Park	an unnamed ditch thence to Brushy Bayou, thence to Rambin bayou, thence to Clear Lake	18600	30	2	Too Far Away
N DESOTO HIGH SCHOOL	41247	17972704; 32567599	Treated Sanitary Wastewater; School	Public School	an unnamed ditch thence to Brushy Bayou, thence to Rambin bayou, thence to Clear Lake	12000	30	2	Too Far Away
AJ WILLIAMS SUBDIVISION	18031	12226032; 12225951	Oxidation Pond; Subdivision	Subdivision	an unnamed ditch thence to Rambin Bayou thence to Clear Lake	4800	30	2	Too Far Away
BOBBY DYSON MOBILE HOME PARK	18028	17530012; 25135151	Treated sanitary wastewater from oxidation ponds; Mobile Home park	Mobile Home Park	an unnamed ditch thence to an unnamed creek thence to Brushy Bayou thence to Rsmbin Bayou thence to Clear Lake	22500	30	2	Too Far Away
Bridstone Apartments	18722	17856412; 32569997	Treated Sanitary Wastewater	Apartment Complex	PVC Pipe to Edwards Bayou then five miles to Rambin Bayou thence to Clear Lake	12000	30	2	Too Far Away
SOUTH STONEWALL MOBILE ESTATES, INC	18922	18059107; 34023134	Treated Sanitary Wastewater	Mobile Home Park	an unnamed ditch thence to Brushy Bayou, thence to Rambin bayou, thence to Clear Lake	16200	30	2	Too Far Away
AIRPORT TRAILER PARK	38639	17996087; 32569665	Treated sanitary wastewater from oxidation ponds; Mobile Home park	Mobile Home Park	Natural drainage thence to Elam Branch, thence to Bayou Na Bonchasse, thence to clear lake.	7500	30	2	Too Far Away
LI READY MIX PLANT 17	42106	31987320	Permit Canceled			-	-	-	Permit Canceled
MANSFIELD CITY OF (STP)	4677	34064589	Treated Sanitary Wastewater	STP	unnamed ditch thence to Na Bonchasse Bayou thence to Clear lake	750000	10		Modeled
BOBBY DYSON MOBILE HOME PARK	18030	17530106; 25170401	Treated Sanitary Wastewater	Mobile Home Park	an unnamed ditch, thence to Cypress Bayou, thence to Wallace Lake	4500	45		Too Far Away

BOD and Nutrients TMDL

100606

Bayou Pierre

Total Maximum Daily Load (Sum of UCBOD, UNBOD, and SOD)

ALLOCATION	SUMMER		WINTER	
	% Reduction Required	March – November (lbs/day)	% Reduction Required	December-February (lbs/day)
Natural nonpoint source LA	30	8,198	30	7,312
Natural nonpoint source MOS		0		0
Manmade nonpoint source LA	100	0	100	0
Manmade nonpoint source MOS (20%)		0		0
TMDL		8,198		7,312

Note1: UCBOD as stated in this allocation is Ultimate CBOD.
UCBOD to $CBOD_5$ ratio = 2.3 for all treatment levels
Permit allocations are generally based on $CBOD_5$

Bayou Pierre Dischargers, Subsegment 100606

		Current Expected Flow	Current Monthly Average Concentration Limits		TMDL Monthly Average Concentration Limits		TMDL Monthly Average Mass Limits	
Facility	**AI #**	**GPD**	**BOD_5/ $CBOD_5$, mg/L**	**NH_3-N, mg/L**	**BOD_5/ $CBOD_5$, mg/L**	**NH_3-N, mg/L**	**$CBOD_5$, lbs./day**	**NH_3-N, lbs./day**
International Paper: Bayou Pierre Woodyard	84371	479000	N/A	N/A	N/A	N/A	N/A	N/A
ConAgra Poultry: Robeline Truck Shop	10883	500	30	15	30	15	0.12521	0.0626
Robeline Sanitary Sewerage System	43068	36000	20	10	20	10	6.00984	3.00492
Bayou Pierre Alligator Farm Inc.	40736	4000	30	15	30	15	1.00164	0.50082
Oak Grove Apartments	19049	8800	30	15	30	15	2.20361	1.1018
DeSoto Parish Police Jury Mundy Sanitary Landfill	19803	17.4	N/A	N/A	N/A	N/A	N/A	N/A
Dolet Hills Lignite Company, LLC	11541	Intermittent	30	15	30	15	N/A	N/A

100702, 100703, 100803

TMDLs for DO in Black Lake Bayou, Black Lake and Clear Lake, and Saline

Developed by FTN Associates for EPA; dated 3/25/2008

http://www.epa.gov/region6/water/npdes/tmdl/2008/louisiana/final/11blkclrsalin_dof_tmdl.pdf

100710

Unnamed Tributary to Grand Bayou

Town of Hall Summit	0.056 MGD	10 $CBOD_5$/15 TSS/10 NH_3-N

100801

Saline Bayou

Village of Saline	0.034 MGD	20 $CBOD_5$/20 TSS

100804

Unnamed Tributary to Saline Bayou

City of Arcadia	0.85 MGD	10 $CBOD_5$/2 NH_3-N/6 DO

Subsegment 101101
Cane River TMDL for Fecal Coliform Bacteria
Developed by Tetra Tech for LDEQ
Approved by EPA on 3/7/2011
Document Date: 10/8/2010

http://www.deq.louisiana.gov/portal/portals/0/technology/tmdl/pdf/Final_LDEQ_Fecal_101101_100110.pdf

Table ES-1. Summary of fecal coliform bacteria TMDL for Cane River

Season	TMDL (MPN/day)	WLA (MPN/day)	LA (MPN/day)	Explicit MOS (MPN/day)	Percent reduction
Winter	2.97E+13	5.78E+11	2.32E+13	5.95E+12	0%
Summer	2.08E+12	8.61E+10	1.57E+12	4.15E+11	0%

Note: MPN = most probable number.

Table 3-2. WLA summary for subsegment 101101

AI #	Permit #	Outfall	Facility name	Outfall type	Flow type	Flow (GPD)	FCB limit type[1]	Limit (MPN/100 mL)	Load (MPN/d)
3782	LA0038482	001	Weyerhaeuser Co - Natchitoches Plant	treated sanitary wastewater	design	3,800	weekly ave.	400	5.75E+07
							monthly ave.	none	
19002	LA0076686	001	Natchez Village of - Wastewater Treatment Facility	treated sanitary wastewater	design	350,000	weekly ave.	400	5.30E+09
							monthly ave.	200	2.65E+09
38060	LA0095222	001	Natchitoches City of - Municipal WWTP	treated sanitary wastewater	design	4,900,000	weekly ave.		7.42E+10
							monthly ave.	200	3.71E+10
32484	LA0097961	001	Martco Limited Partnership - Chopin Mill	log spray pond overflow	DMR average	2,200	none		
		002		treated sanitary wastewater	DMR average	10,600	weekly ave.	400	1.61E+08
							monthly ave.	200	8.03E+07
		003		stormwater	DMR average	125,600	none		
		004		stormwater and landfill leachate	DMR average	20,400	none		
83648	LAG480184	001	IESI Natchitoches Hauling	vehicle wash wastewater	DMR 30-day max	7,200	none		
42142	LAG480461	001	LADOTD - Natchitoches Parish Maintenance Unit	treated sanitary wastewater	expected	1,100	weekly ave.	400	1.67E+07
							monthly ave.	none	
		002		equipment wash water	expected	450	none		
40973	LAG540047	001	Total Environmental Solutions Inc - Cedar Bend Villas Subdivision	treated sanitary wastewater	permit max	25,000	weekly ave.	400	3.79E+08
							monthly ave.	200	1.89E+08
40668	LAG540168	001	South Park Mobile Home Community	treated sanitary wastewater	DMR average	9,528	weekly ave.	400	1.44E+08
							monthly ave.	200	7.21E+07
19890	LAG540220	001	Cane River	treated sanitary	DMR 30-day	2,280	weekly ave.	400	3.45E+07

AI #	Permit #	Outfall	Facility name	Outfall type	Flow type	Flow (GPD)	FCB limit type[1]	Limit (MPN/100 mL)	Load (MPN/d)
			Apartments	wastewater	max		monthly ave.	200	1.73E+07
43954	LAG540789	001	Whispering Pines Trailer Park	treated sanitary wastewater	DMR average	2,686	weekly ave.	400	4.07E+07
							monthly ave.	200	2.03E+07
41770	LAG540969	001	Highway 6 Trailer Park	treated sanitary wastewater	design	6,000	weekly ave.	400	9.08E+07
							monthly ave.	200	4.54E+07
83633	LAG540975	001	Northwestern Recreational Complex	treated sanitary wastewater	expected	6,500	weekly ave.	400	9.84E+07
							monthly ave.	200	4.92E+07
		002		treated sanitary wastewater	expected	6,500	weekly ave.	400	9.84E+07
							monthly ave.	200	4.92E+07
91030	LAG541069	001	Pecan Grove Estates Mobile Home Park	treated sanitary wastewater	expected	15,000	weekly ave.	400	2.27E+08
							monthly ave.	200	1.14E+08
111826	LAG541459	001	Cloutierville Elementary & Junior High	treated sanitary wastewater	design	8,040	weekly ave.	400	1.22E+08
							monthly ave.	200	6.09E+07
43965	LAG560013	001	Total Environmental Solutions Inc - Point Place Subdivision	treated sanitary wastewater	permit max	50,000	weekly ave.	400	7.57E+08
							monthly ave.	200	3.79E+08
43966	LAG570099	001	Total Environmental Solutions Inc - Payne Subdivision	treated sanitary wastewater	design	112,600	weekly ave.	400	1.70E+09
							monthly ave.	200	8.52E+08
38241	LAG570231	001	Total Environmental Solutions Inc - Cedar Grove Subdivision	treated sanitary wastewater	DMR average	23,700	weekly ave.	400	3.59E+08
							monthly ave.	200	1.79E+08
155863	LAG750663	001	S&S Car Wash - Tommy Steele III	exterior vehicle wash wastewater	not avail.		none		
20260	LAG750700	001	Grenard E Wamber - Premier Carwash & Detail	vehicle wash wastewater	not avail.		none		
		002		treated sanitary wastewater	permit max	5,000	weekly ave.	400	7.57E+07
							monthly ave	none	
		003		treated sanitary wastewater	permit max	25,000	weekly ave.	400	3.79E+08
							monthly ave.	200	1.89E+08
		004		vehicle wash and sanitary wastewater	permit max	25,000	weekly ave.	400	3.79E+08
							monthly ave	none	
		005		wastewaters	not avail.		none		
161268	LAG750715	001	Oasis Car Wash - Kick Ice LLC	vehicle wash wastewater	not avail.		none		
73143	LAG839012	001	Moore Oil Company, Inc., Stop-N-Save No. 7	groundwater remediation for UST removal	not avail.		none		
104052	LAR041029		Natchitoches, City of - Municipal Separate Storm Sewer System	MS4	not avail.		none		See Table 3-3
40531	LAR05N338		Alliance Compressors	MSGP - stormwater	not avail.		none		
27951	LAR05N528		Pilgrim's Pride Corp - Natchitoches Processing Plant	process waste and stormwater	DMR average	1,026,608	weekly ave.	400	1.55E+10
							monthly ave.	200	7.77E+09
124852	LAR05N593		Rolling Frito-Lay Sales LP - Natchitoches Bin	MSGP - stormwater	not avail.		none		
76968	LAR05N849		Natchitoches Regional Airport	MSGP - stormwater	not avail.		none		
117210	LAR10C346		Hidden Hills Mobile Home Park - Phase 2 Construction	stormwater	not avail.		none		

AI #	Permit #	Outfall	Facility name	Outfall type	Flow type	Flow (GPD)	FCB limit type[1]	Limit (MPN/100 mL)	Load (MPN/d)
119746	LAR10C432		Frog Pond Apartments	stormwater	not avail.		none		
154308	LAR10E600		Specialty Contractors - Le Plaisance	stormwater	not avail.		none		
157851	LAR10F102		Beau Riviera Subdv - Beau Riviera LLC	stormwater CGP	not avail.		none		
163578	LAR10F623		Freedom Life Church	stormwater	not avail.		none		
159414	LAR10F645		Versailles Blvd Ext Phase 1 Package 2 Rdwy & Utility Improvements - Progressive Const	stormwater CGP	not avail.		none		
167250	LAR10F981		LDAF Natchitoches - Petron LLC	stormwater CGP	not avail.		none		
30011	LAU009441	001	Alliance Compressors	wastewater	not avail.		n/a		

[1] Individual WLAs are calculated using the most stringent limit. Other limits and loads are presented for the reader's information only.
Notes: MPN = most probable number. n/a = not applicable (facility is not permitted)

101301, 101302

TMDLs for DO in Bayou Rigolette and Iatt Lake

Developed by FTN Associates for EPA; dated 3/25/2008

http://www.epa.gov/region6/water/npdes/tmdl/2008/louisiana/final/12iattrigol_dof_tmdl.pdf

BOD and Nutrients TMDL

101303

Iatt Creek

Total Maximum Daily Load (Sum of UCBOD, UNBOD, and SOD)

ALLOCATION	SUMMER (MAR-NOV)	WINTER (DEC-FEB)	% Reduction
Point Source WLA	84 (lbs/day)	84 (lbs/day)	0
Point Source MOS (20%)	20	20	
Natural Nonpoint Source LA	553	622	60
Natural Nonpoint Source Reserve MOS (20%)	82	86	
Manmade Nonpoint Source LA	2185	1563	60
Manmade Nonpoint Source Reserve MOS (20%)	31	42	
TMDL	2955 (lbs/day)	2417(lbs/day)	

Point Source Summary
FACILITY: Winn Correctional Facility

Permit Number: LA 0107000

TMDL PERMIT LIMITS: 10 mg/l BOD5

***Note1: UCBOD as stated in this allocation is Ultimate CBOD.
UCBOD to CBOD5 ratio = 2.3 for all treatment levels
Permit allocations are generally based on CBOD5***

101604

TMDL for DO in Lake Concordia

Developed by FTN Associates for EPA; dated 3/25/2008

http://www.epa.gov/region6/water/npdes/tmdl/2008/louisiana/final/13lconcordia_dof_tmdl.pdf

BOD and Nutrients TMDL

101605

Bayou Cocodrie

Total Maximum Daily Load (Sum of UCBOD, UNBOD, and SOD)

ALLOCATION	SUMMER (MAY-OCT)	WINTER (NOV-APR)	% Reduction
Point Source WLA*	0 (lbs/day)	0 (lbs/day)	0
Nonpoint Source LA	474	472	95
MOS (10%)	0	0	
TMDL	474 (lbs/day)	472 (lbs/day)	

* There are currently no point source dischargers in this waterbody.

SABINE RIVER BASIN

TMDLs/WLAs

110401

TMDL for DO in Bayou Toro

Developed by FTN Associates for EPA; dated 3/21/2008

http://www.epa.gov/region6/water/npdes/tmdl/2008/louisiana/final/14btoro_dof_tmdl.pdf

Subsegment 110402
Bayou Toro TMDL for Dissolved Lead
Developed by Tetra Tech for LDEQ
Approved by EPA on 3/7/2011
Document Date: 10/5/2010

http://www.deq.louisiana.gov/portal/portals/0/technology/tmdl/pdf/Final_LDEQ_Lead_110402.pdf

TMDL (lbs/day)	WLA (lbs/day)	LA (lbs/day)	MOS (lbs/day)
0.00126	0	0.00101	0.00025

110501

TMDL for DO and Nutrients in West Anacoco Creek

Developed by LDEQ; dated 11/15/2007

http://www.deq.louisiana.gov/portal/portals/0/technology/tmdl/pdf/Final_West_Anacoco_Creek_110501_TMDL_11-15-07.pdf

The results of the projection modeling for subsegment 110501 show that the water quality standard of 5.0 mg/l for dissolved oxygen cannot be maintained even at background conditions. The No Load Scenario for summer without reduction in natural background pollution yields a minimum DO of 4.39 mg/l. Kisatchie Bayou was the reference stream used to calculate background conditions. Projections for a dissolved oxygen criteria of 4.0 mg/L and 3.0 mg/L were run and the resulting allocations are presented in Table 1 and Table 2.

Table 1. Total Maximum Daily Load (Sum of UCBOD[1], UNBOD, and SOD) for a 4.0 mg/L dissolved oxygen standard

ALLOCATION	SUMMER		WINTER	
	% Reduction Required	(MAR-NOV) (lbs/day)	% Reduction Required	(DEC-FEB) (lbs/day)
Point Source WLA	0	0	0	0
Point Source Reserve MOS (20%)		0		0
Natural Nonpoint Source LA	0	778	0	551
Natural Nonpoint Source Reserve MOS (20%)				
Manmade Nonpoint Source LA	70	560	70	330
Manmade Nonpoint Source Reserve MOS (20%)		139		82
TMDL		1,477		841

***Note1: UCBOD as stated in this allocation is Ultimate CBOD.
UCBOD to $CBOD_5$ ratio = 2.3 for all treatment levels
Permit allocations are generally bas ed on $CBOD_5$***

Table 2. Total Maximum Daily Load (Sum of UCBOD[1], UNBOD, and SOD) for a 3.0 mg/L dissolved oxygen standard

ALLOCATION	SUMMER		WINTER	
	% Reduction Required	(MAR-NOV) (lbs/day)	% Reduction Required	(DEC-FEB) (lbs/day)
Point Source WLA	0	0	0	0

Point Source Reserve MOS (20%)		0		0
Natural Nonpoint Source LA	0	778	0	551
Natural Nonpoint Source Reserve MOS (20%)				
Manmade Nonpoint Source LA	30	1,308	30	767
Manmade Nonpoint Source Reserve MOS (20%)		326		187
TMDL		2,412		1,505

***Note1: UCBOD as stated in this allocation is Ultimate CBOD.
UCBOD to $CBOD_5$ ratio = 2.3 for all treatment levels
Permit allocations are generally based on $CBOD_5$***

110501 Discharger Inventory

							MONTHLY AVERAGE CONCENTRATION LIMITS		MONTHLY AVERAGE MASS LIMITS		
FACILITY	**FILE No.**	**Out-fall No.**	**OUTFALL DESCRIP-TION**	**FACILITY TYPE**	**RECEIVING WATER**	**EXPECTED FLOW GPD**	**BOD5/ CBOD5, mg/L**	**NH_3-N, mg/L**	**BOD, lbs./day**	**NH_3-N, lbs./day**	**MODELING COMMENTS**
Town of Hornbeck	**18805**	**001**	**Point of discharge from oxidation pond**	**Municipality**	**Unnamed ditch, thence into Brushy Creek, thence into West Anacoco Creek**	**43,000**	**20**		**0.032**		**Not Modeled – too far from the named waterbody and Brushy Creek not flowing during the time of the survey.**

EPA's Hg TMDL for Coastal and Gulf Waters

http://www.epa.gov/earth1r6/6wq/npdes/tmdl/latmdl/2005tmdls/6hgtmdls605f.pdf

Subsegments

010901
021102
042209
070601
110701
120806

TERREBONNE BASIN

TMDLs/WLAs

BOD and Nutrients TMDL
(EPA TMDL)

Upper Terrebonne Basin

(120102, 120103, 120105, 120106, 120107, 120109, 120110)

Developed by Tetra Tech for EPA; dated 3/14/2008 and revised 9/30/2008

http://www.epa.gov/region6/water/npdes/tmdl/2008/louisiana/final/upter_tmdldonut_sept08f.pdf

Subsegment 120104

Bayou Grosse Tete
TMDL for Biochemical Oxygen-Demanding Substances
Revised by FTN due to Criteria Change
Approved by EPA on 4/18/2011
Document Date: 11/22/2010

http://www.deq.louisiana.gov/portal/portals/0/technology/tmdl/pdf/Final_Revised_Bayou_Gross_Tete_120104_DO_TMDL_11-22-10_wcb.pdf

Table 1. Total Maximum Daily Load (Sum of UBOD and SOD) for Bayou Grosse Tete

ALLOCATION	SUMMER		WINTER	
	% Reduction Required	(MAY-OCT) (lbs/day)	% Reduction Required	(NOV-APR) (lbs/day)
Point Source WLA	0	1,471	0	1,471
Point Source Reserve MOS = 20%		368		368
Natural Nonpoint Source LA	0	7,270	0	5,627
Manmade Nonpoint Source LA	65	4,668	60	4,055
Manmade Nonpoint Source Reserve MOS Summer = 20% Winter = 20%		1,166		1,014
TMDL		14,943		12,535

***Note 1: UBOD as stated in this allocation is Ultimate BOD.
UBOD to BOD_5 ratio = 2.3 for all treatment levels
Permit allocations are generally based on BOD_5***

Table 2. Point Source TMDL Summary for Subsegment 120104, Bayou Grosse Tete

FACILITY	AI No / PERMIT No	PERMIT EXPIRATION DATE	Out-fall No.	CURRENT EXPECTED FLOW	CURRENT MONTHLY AVERAGE CONCENTRATION LIMITS		TMDL FLOW (GPD)	MOS FLOW (GPD)	TMDL MONTHLY AVERAGE CONCENTRATION LIMITS*		MODELING COMMENTS
				GPD	BOD5/ CBOD5, mg/L	NH3-N, mg/L			BOD5/ CBOD5, mg/L	NH_3-N, mg/L	
Town of Livonia STP	167102/ 0124851	4/30/2015	1	155,000	10		NA	NA	NA		Not included in model but included in TMDL as part of the MOS
Town of Maringouin STP	42398 / LA0086771	09/01/2013	1	150,000	10		187,500	37,500	10		Included in model and TMDL
Union Pacific Railroad Co.	43693 / LAG530567	12/01/2012	1	3,080	30		3,850	770	30		Included in model and TMDL
David's Catering	87854 / LAG531142	12/01/2012	1	1,050	30		1,313	263	30		Included in model and TMDL
North Iberville Elementary and High School	41876 / LAG540386	07/01/2013	1	15,575	30		19,469	3,894	30		Included in model and TMDL
Louisiana Laborer's T&A Fund	38607 / LAG540442	07/01/2013	1	6,770	30		8,463	1,693	30		Included in model and TMDL
Lodging Enterprises Inc - Oak Tree Inn	42324 / LAG540485	07/01/2013	1	7,050	30		8,813	1,763	30		Included in model and TMDL
Valverda Elementary	42869 / LAG540583	07/01/2013	1	9,030	30		11,288	2,258	30		Included in model and TMDL
Bayou Truck Stop	20040 / LAG541027	07/01/2013	1	12,300	30		15,375	3,075	30		Included in model and TMDL
Village of Morganza STP	38208 / LA0020028	09/01/2009	1	125,000	10		156,250	31,250	10		Not in model but included in the TMDL

*NOTE: No permit limits need to be modified as a result of this TMDL.

Table 2 Continued. Point Source TMDL Summary for Subsegment 120104, Bayou Grosse Tete

FACILITY	AI No / PERMIT No	PERMIT EXPIRATION DATE	Out-fall No.	CURRENT EXPECTED FLOW	CURRENT MONTHLY AVERAGE CONCENTRATION LIMITS		TMDL FLOW (GPD)	MOS FLOW (GPD)	TMDL MONTHLY AVERAGE CONCENTRATION LIMITS*		MODELING COMMENTS
				GPD	BOD5/ CBOD5, mg/L	NH3-N, mg/L			BOD5/ CBOD5, mg/L	NH_3-N, mg/L	
Reliable Prod Serv Ind - Livonia	25491 / LA0063941	03/01/2010	001 & 002	150,000	30		187,500	37,500	30		Not in model but included in the TMDL
LaBarre Elementary	19324 / LAG530425	12/01/2012	1	4,680	30		5,850	1,170	30		Not in model but included in the TMDL
Grosse Tete Welcome Center	166611 / LAG533251	12/01/2012	1	60	45		75	15	45		Not in model but included in the TMDL
Pointe Coupee Central High School	42868 / LAG540580	07/01/2013	1	22,980	30		28,725	5,745	30		Not in model but included in the TMDL
Ewing's of Livonia LLC - LA Express #11	75773 / LAG541060	07/01/2013	1	7,680	30		9,600	1,920	30		Not in model but included in the TMDL
Livonia Travel Plaza	126000 / LAG541399	07/01/2013	1	9,020	30		11,275	2,255	30		Not in model but included in the TMDL
Village of Grosse Tete STP	41668 / LAG560105	06/01/2014	1	30,000	20		37,500	7,500	20		Not in model but included in the TMDL
Delta Place Subdivision STP	18928 / LAG570185	05/01/2014	1	70,000	10		87,500	17,500	10		Not in model but included in the TMDL
Pointe Coupee Parish Police Jury - Mandela WWTP	84033 / LAG570304	03/15/2009	1	35,000	10		43,750	8,750	10		Not in model but included in the TMDL
Cajun Land Properties LLC # 1	168380 / LAG533304	12/01/2012	1	3,000	30		3,750	750	30		Not in model but included in the TMDL
Wildgame Innovations LLC	168130 / LAG533411	11/30/2012	001 & 002	1,400	30		1,750	350	30		Not in model but included in the TMDL

*NOTE: No permit limits need to be modified as a result of this TMDL.

Subsegment 120111
Bayou Maringouin TMDL for Biochemical Oxygen-Demanding Substances
Revised by FTN due to Criteria Change
Approved by EPA on 4/18/2011
Document Date: 11/22/2010

http://www.deq.louisiana.gov/portal/portals/0/technology/tmdl/pdf/Final_Revised_BAYOU_MARINGOUIN_120111_11-22-2010.pdf

Table 1. Total Maximum Daily Load (Sum of UCBOD, UNBOD, and SOD)

ALLOCATION	SUMMER (Mar. – Nov.)		WINTER (Dec. – Feb.)	
	% Reduction Required	Load (lbs/day)	% Reduction Required	Load (lbs/day)
Point Source WLA	0	0	0	0
Point Source Reserve MOS	0	0	0	0
Natural Nonpoint Source LA	0	1,369	0	890
Natural Nonpoint Source Reserve MOS	0	0	0	0
Manmade Nonpoint Source LA	98	18	88	62
Manmade Nonpoint Source Reserve MOS	0	4	0	15
TMDL		1,391		967

***Note1: UCBOD as stated in this allocation is Ultimate CBOD.
UCBOD to $CBOD_5$ ratio = 2.3 for all treatment levels
Permit allocations are generally based on $CBOD_5$***

BOD and Nutrients TMDL

120201

Lower Grand and Belle River

Total Maximum Daily Load (Sum of UCBOD, UNBOD, and SOD)

ALLOCATION	**SUMMER**		**WINTER**	
	% Reduction Required	March – November (lbs/day)	% Reduction Required	December-February (lbs/day)
Point source WLA	0	302	0	919
Point source MOS	0	75	0	229
Manmade nonpoint source LA	65	46,078	65	38,330
Manmade nonpoint source MOS	0	11,519	0	9,583
TMDL		57,974		49,061

Note: UCBOD as stated in this allocation is ultimate CBOD. Permit limitations are generally based on $CBOD_5$. UCBOD to $CBOD_5$ ration is 2.3 for all treatment levels.

BOD and Nutrients TMDL

120201

Lower Grand and Belle River

Point Source TMDL Summary 120201

		CURRENT EXPECTED FLOW	CURRENT MONTHLY AVERAGE CONCENTRATION LIMITS		MOS FLOW	TMDL MONTHLY AVERAGE CONCENTRATION LIMITS		TMDL MONTHLY MASS LIMITS	
FACILITY	**FILE NO.**	**GPD**	**BOD_5/$CBOD_5$ (mg/L)**	**NH_3-N (mg/L)**	**GPD**	**BOD_5/$CBOD_5$ (mg/L)**	**NH_3-N (mg/L)**	**$CBOD_5$ (lbs/day)**	**NH_3-N (lbs/day)**
Bayou Pigeon Bridge	98434	500	30	15	599.14	30	15	0.13	0.06
Oak Grove Apartments	42708	25,000	30	15	31,383.65	30	15	9.39	3.13
Belle River STP	19218	60,000	10	10	74,179.53	10	10	5.01	5.00
The Oaks at Belle River Subdivision	84826	34,000	20	10	42,795.88	20	10	5.67	2.84
Stephensville STP	19217	390,000	10	10	487,873.03	10	10	32.55	32.55

BOD and Nutrients TMDL
(EPA TMDL)

120202, 120204, 120304, 120403, 120604

Middle Terrebonne Basin

Developed by Tetra Tech for EPA; dated 3/14/2008 and revised 9/30/2008

http://www.epa.gov/region6/water/npdes/tmdl/2008/louisiana/final/midter_tmdldonut_sept08f.pdf

120205, 120402

TMDLs for pH in Lake Palourde and Bayou Chene

Developed by FTN Associates for EPA; dated 3/25/2008

http://www.epa.gov/region6/water/npdes/tmdl/2008/louisiana/final/17lpalour_bchene_ph_tmdlf.pdf

Subsegment 120206
Grand Bayou and Little Grand Bayou
Revised by FTN due to Criteria Change
Approved by EPA on 4/18/2011
Document Date: 11/22/2010

http://www.deq.louisiana.gov/portal/portals/0/technology/tmdl/pdf/Final_Revised_Grand_Bayou_120206_DO_TMDL_11-22-10.pdf

Table 1. Total Maximum Daily Load (Sum of UBOD and SOD) for Grand Bayou

ALLOCATION	SUMMER (Mar. – Nov.)		WINTER (Dec. – Feb.)	
	% Reduction Required	Load (lbs/day)	% Reduction Required	Load (lbs/day)
Point Source WLA	0	5,689	0	5,689
Point Source Reserve MOS = 20%		1,422		1,422
Natural Nonpoint Source LA	0	6,370	0	4,450
Manmade Nonpoint Source LA	89	1,446	92	811
Manmade Nonpoint Source Reserve MOS Summer = 20% Winter = 20%		362		203
TMDL		15,289		12,575

***Note 1: UBOD as stated in this allocation is Ultimate BOD.
UBOD to BOD_5 ratio = 2.3 for all treatment levels
Permit allocations are generally based on BOD_5***

Table 2. Total Maximum Daily Load (Sum of UBOD and SOD) for Little Grand Bayou

ALLOCATION	SUMMER (Mar. – Nov.)		WINTER (Dec. – Feb.)	
	% Reduction Required	Load (lbs/day)	% Reduction Required	Load (lbs/day)
Point Source WLA	0	1,669	0	1,669
Point Source Reserve MOS = 20%		417		417
Natural Nonpoint Source LA	0	1,001	0	900
Manmade Nonpoint Source LA	89	1,153	92	783
Manmade Nonpoint Source Reserve MOS Summer = 20% Winter = 20%		289		196
TMDL		4,529		3,965

***Note 1: UBOD as stated in this allocation is Ultimate BOD.
UBOD to BOD_5 ratio = 2.3 for all treatment levels
Permit allocations are generally based on BOD_5***

Table 3. Point Source TMDL Summary for Subsegment 120206, Grand Bayou

FACILITY	AI No / PERMIT No	PERMIT EXPIRATION DATE	Out-fall No.	CURRENT EXPECTED FLOW	CURRENT MONTHLY AVERAGE CONCENTRATION LIMITS		TMDL FLOW	MOS FLOW	TMDL MONTHLY AVERAGE CONCENTRATION LIMITS*		MODELING COMMENTS
				GPD	BOD5 / CBOD5, mg/L	NH3-N, mg/L	GPD	GPD	BOD5 / CBOD5, mg/L	NH_3-N, mg/L	
Super Stop Enterprises – Gator Super Stop Truck Stop	93668 / LAG541081	07/01/2013	001	7,760	30		9,700	1,940	30		Included in Grand Bayou model
Chevron Pipe Line Co - Napoleonville Storage Facility	27281 / LAG531936	12/01/2012	001	245	45		306	61	45		Included in Grand Bayou model
Texas Eastern Transmission Corp – White Castle Compressor Station	7359 / LA0107212	11/01/2010	002	10	45 (Daily Max)		13	3	45 (Daily Max)		No impact – Not modeled but included in TMDL
Southern Natural Gas Co. – White Castle Compressor Station	4197 / LAG480530	08/01/2006	002	140	45		175	35	45		No impact – Not modeled but included in TMDL
Gulf South Pipeline Co. – Rodrigue Compressor Station	98149 / LAG531262	12/01/2012	001	120	45		150	30	45		No impact – Not modeled but included in TMDL
Assumption Parish Police Jury – Belle Rose Lane Sewerage District	98165 / LAG540954	07/01/2013	001	14,300	30		17,875	3,575	30		No impact – Not modeled but included in TMDL
Bayou Corne Sewer Co. Inc. – Sportsman's Paradise Subdivision	41241 / LAG540036	08/28/2002	001	15,200	30		19,000	3,800	30		No impact – Not modeled but included in TMDL

*NOTE: No permit limits need to be modified as a result of this TMDL.

Table 3 Continued. Point Source TMDL Summary for Subsegment 120206, Grand Bayou

FACILITY	AI No / PERMIT No	PERMIT EXPIRATION DATE	Out-fall No.	CURRENT EXPECTED FLOW	CURRENT MONTHLY AVERAGE CONCENTRATION LIMITS		TMDL FLOW	MOS FLOW	TMDL MONTHLY AVERAGE CONCENTRATION LIMITS*		MODELING COMMENTS
				GPD	BOD5 / CBOD5, mg/L	NH3-N, mg/L	GPD	GPD	BOD5 / CBOD5, mg/L	NH_3-N, mg/L	
No Problem Raceway Park	86479 / LAG541191	07/01/2013	001	23,860	30		29,825	5,965	30		No impact – Not modeled but included in TMDL
St. Elizabeth School	87130 / LAG531143	12/01/2012	001	4,050	30		5,063	1,013	30		No impact – Not modeled but included in TMDL
Lowery Elementary School	154685 / LAG541616	07/01/2013	001	9,000	30		11,250	2,250	30		No impact – Not modeled but included in TMDL
Lula Westfield LLC – Westfield Raw Sugar Factory	42344 / LA0000485	05/01/2015	001	4,430,000	10		5,537,500	1,107,500	10		Not discharging at time of survey or during critical conditions – Not modeled but included in TMDL
Lula Westfield LLC – Lula Raw Sugar Factory	4182 / LA0007382	05/01/2015	001 & 002	6,460,000 (combined)	10		8,075,000	1,615,000	10		Discharges into a tributary that had no measureable flow during survey – Not modeled but included in TMDL
Cora-Texas Manufacturing Co.	1306 / LA0001295	09/01/2015	002	13,000,000	10		16,250,000	3,250,000	10		Not discharging at time of survey or during critical conditions – Not modeled but included in TMDL
Acadian Gas Storage Facility	25004 / LAG531692	12/01/2012	001	60	45		75	15	45		No impact –Not modeled but included in TMDL
Grant Loop Community Sewer System	116873 / LAG541277	07/01/2013	001	17,200	30		21,500	4,300	30		No impact – Not modeled but included in TMDL

*NOTE: No permit limits need to be modified as a result of this TMDL.

120206

TMDL for TSS in Grand Bayou and Little Grand Bayou

Developed by Tetra Tech for EPA; dated 3/14/2008

http://www.epa.gov/region6/water/npdes/tmdl/2008/louisiana/final/16_120206_tss_tmdlf.pdf

BOD and Nutrients TMDL

120301

Bayou Terrebonne

Developed by LDEQ; dated 3/19/2008

http://www.deq.louisiana.gov/portal/portals/0/technology/tmdl/pdf/Final_BayouTerrebonne_03312008.pdf

Total Maximum Daily Load for Upper and Lower Terrebonne (Sum of CBOD, NH3-N, and SOD)

ALLOCATION	SUMMER		WINTER	
	% Reduction Required	(May-Oct) (lbs BOD/day)	% Reduction Required	(Nov-Apr) (lbs BOD/day)
Point Source WLA		29		29
Point Source Reserve MOS = 20%		7		7
Total Nonpoint Source LA	80 / 70	1,479	80 / 70	1,164
Total Nonpoint Source MOS Summer = 10% upstream/10% downstream Winter = 10% upstream/10% downstream		165		130
TMDL		1,680		1,330

***Note1: UCBOD as stated in this allocation is Ultimate CBOD.
UCBOD to $CBOD_5$ ratio = 2.3 for all treatment levels
Permit allocations are generally based on $CBOD_5$***

Point Source TMDL Summary, Subsegment 120301

FACILITY	AI Number/ LPDES Number	CURRENT EXPECTED FLOW	CURRENT MONTHLY AVERAGE CONCENTRATION LIMITS (unless otherwise indicated)		TMDL FLOW	MOS FLOW	TMDL MONTHLY AVERAGE CONCENTRATION LIMITS (unless otherwise indicated)		
		GPD	BOD5, mg/L	NH_3-N, mg/L	GPD	GPD	BOD5, mg/L	NH_3-N, mg/L	MODELING COMMENTS
Schriever School	19162/ LAG540733	10,650	30		25,000	6250	30		Included in the model
City of Thibodaux Munisipal Separate Storm Sewer System (MS4)*	108472/ LAR041011								Not included in the model-stormwater
Terrebonne Parish Munisipal Separate Storm Sewer System (MS4)*	108407/ LAR041023								Not included in the model-stormwater
Andrew Price School*	51973/ LAG531000	3,880	45 (weekly average)						Not included in the model-too small
Partek Laboratories*	42776/ LAG530409	220	45 (weekly average)						Not included in the model-too small, too far from Bayou Terrebonne
Chevron Jubilee 4606*	41775/ LAG750205	360	45 (weekly average)						Not included in the model-too small
North Branch of the Terrebonne Parish Library*	38494/ LAG531241	1,000	45 (weekly average)						Not included in the model-too small
United Parcel Service, Houma Center*	83322/ LA0096547	480	45 (weekly average)						Not included in the model-too small

FACILITY	AI Number/ LPDES Number	CURRENT EXPECTED FLOW	CURRENT MONTHLY AVERAGE CONCENTRATION LIMITS (unless otherwise indicated)		TMDL FLOW	MOS FLOW	TMDL MONTHLY AVERAGE CONCENTRATION LIMITS (unless otherwise indicated)		
		GPD	BOD5, mg/L	NH_3-N, mg/L	GPD	GPD	BOD5, mg/L	NH_3-N, mg/L	MODELING COMMENTS
Jubilee Exxon 4608*	41774/ LAG750289	360	45 (weekly average)						Not included in the model-too small
Plug and Abondonment Division*	27338/ LA0106291	200	45 (weekly average)						Not included in the model-too small
Burger King Restaurant*	43458/ LAG530804	3,200	30						Not included in the model-too small
Best Western Houma Inn*	33840/ LAG540951	8,300	30						Not included in the model-too small
Colonel's Truck Stop and Casino*	95797/ LAG541061	10,000	30						Not included in the model-too small
McDonald's*	42440/ LAG530363	2,300	45 (weekly average)						Not included in the model-too small
Big Boy Seafood*	12197/ LA119814	980	45 mg/L (weekly average)						Not included in the model-too small
A-1 Used Cars*	11737/ LAG470200	80	45 mg/L (weekly average)						Not included in the model-too small
McDonalds #12185*	42440/ LAG530363	2,600	45 mg/L (weekly average)						Not included in the model-too small
Burger King #11942*	43458/ LAG530804	3,200	45 mg/L (weekly average)						Not included in the model-too small

FACILITY	AI Number/ LPDES Number	CURRENT EXPECTED FLOW	CURRENT MONTHLY AVERAGE CONCENTRATION LIMITS (unless otherwise indicated)		TMDL FLOW	MOS FLOW	TMDL MONTHLY AVERAGE CONCENTRATION LIMITS (unless otherwise indicated)		
		GPD	BOD5, mg/L	NH_3-N, mg/L	GPD	GPD	BOD5, mg/L	NH_3-N, mg/L	MODELING COMMENTS
Bayou Cane Hall, LLC*	98444/ LAG531400	985	45 mg/L (weekly average)						Not included in the model-too small
Gray Self Serve*	77717/ LAG531410	2,120	45 mg/L (weekly average)						Not included in the model-too small
Domino's Pizza Store #5243*	125829/ LAG531744	100	45 mg/L (weekly average)						Not included in the model-too small
Bayou Cane Sport's Bar*	128480/ LAG531801	600	45 mg/L (weekly average)						Not included in the model-too small
Andrew Price Recreation Center*	129740/ LAG531865	750	45 mg/L (weekly average)						Not included in the model-too small
BNSF Railway Co-Schriever Yard STP*	137313/ LAG532018	140	45 mg/L (weekly average)						Not included in the model-too small
Gray Truck Stop and Casino*	137529/ LAG541411	7,790	30 mg/L (monthly average)						Not included in the model-too small
Major Suds Car Wash*	139326/ LAG75055	500	45 mg/L (weekly average)						Not included in the model-too small
Excell Crane and Hydraulics, Inc.*	23738/ LAG480230	100	45 mg/L (weekly average)						Not included in the model-too small
Schlumberger Facility*	2184/ LAG480002	50	45 mg/L (weekly average)						Not included in the model-too small

FACILITY	AI Number/ LPDES Number	CURRENT EXPECTED FLOW	CURRENT MONTHLY AVERAGE CONCENTRATION LIMITS (unless otherwise indicated)		TMDL FLOW	MOS FLOW	TMDL MONTHLY AVERAGE CONCENTRATION LIMITS (unless otherwise indicated)		
		GPD	BOD5, mg/L	NH_3-N, mg/L	GPD	GPD	BOD5, mg/L	NH_3-N, mg/L	MODELING COMMENTS
UPS Houma Center*	**83322/ LAG480327**	**480**	45 mg/L (weekly average)						**Not included in the model-too small**
Paul's Auto Salvage	**25789/ LAG531899**	**160**	**45 mg/L (weekly average)**						**Not included in model-discharges to St. Louis Bayou**
Willowdale Subdiviaion	**43627/ LAG560015**	**37,200**	**20**						**Not included in model-discharges to St. Louis Bayou**
Country Boy Trailer Park	**19835/ LAG540243**	**<10,000**	**30**						**Not included in model-discharges to Cypress Co. Canal to St. Louis Banal to ICWW**
Fairlane Bayou	**41486/ LAG540029**	**18,400**	**30**						**Not included in model-discharges to Ouiski Bayou to Bayou Cane**
Schlumberger Well Services, Houma Operations	**19631/ LA0081094**	2,000	45 mg/L (weekly average)						**Outfall 002-Not included in model-discharges to St. Louis Canal or Bayou Blue**
		4,500	45 mg/L (weekly average)						**Outfall 006-Not included in model-discharges to St. Louis Canal or Bayou Blue**
Schlumberger Well Services, Houme Open Hole	**22427/ LA0084921**	**275**	**45 mg/L (weekly average)**						**Not included in model-discharges to Caro Canal to Houma Navigation Canal**
North Treatment Plant-Terrebonne Parish Consolidated Gov't.	**19176/ LA0040207**	**6,730,000**	**10**						**Not included in model-discharges to St. Louis Canal**

FACILITY	AI Number/ LPDES Number	CURRENT EXPECTED FLOW	CURRENT MONTHLY AVERAGE CONCENTRATION LIMITS (unless otherwise indicated)		TMDL FLOW	MOS FLOW	TMDL MONTHLY AVERAGE CONCENTRATION LIMITS (unless otherwise indicated)		
		GPD	BOD5, mg/L	NH_3-N, mg/L	GPD	GPD	BOD5, mg/L	NH_3-N, mg/L	MODELING COMMENTS
Caldwell Middle School-Terrebonne Parish School Board	19172/ LAG540722	12,020	30						Not included in model-discharges to Ouiski Bayou to Bayou Black
Coteau Bayou Blue Elementary School-Terrebonne Parish School Board	19171/ LAG540723	14,000	30						Not included in model-discharges to Bayou Little Coteau to St. Louis Bayou
Eureka Heights Subdivision	41432/ LAG570018	39,360	10						Not included in model-discharges to St. Louis Canal
Lumen Christ Retreat Center	18944/ LAG540272	870	30						Not included in model-discharges to Ouiski Bayou to Bayou Black
Suburban Estates Subdivision	43626/ LAG560240	57,600	10						Not included in model-discharges to St. Louis Bayou
Schreiver Water Plant & STP	27838/ LAG530566	327	45 mg/L (weekly average)						Not included in model-discharges to Bayou Blue or St. Louis Canal
Tara Subdivision	18673/ LAG570131	67,440	10						Not included in model-discharges to Little Bayou Coteau
Danny and Clyde Food Store # 23	40772/ LAG531133	500	45 mg/L (weekly average)						Not included in model-discharges to Little Bayou Black
Capri Court	19887/ LAG540221	<25,000	30						Not included in the model-discharges to St. Louis Canal
Computalog Wireless Services, Inc.	12646/ LAG480406	151	45 mg/L (weekly average)						Not included in model-discharges to Hollywood Canal or Bayou Blue

FACILITY	AI Number/ LPDES Number	CURRENT EXPECTED FLOW	CURRENT MONTHLY AVERAGE CONCENTRATION LIMITS (unless otherwise indicated)		TMDL FLOW	MOS FLOW	TMDL MONTHLY AVERAGE CONCENTRATION LIMITS (unless otherwise indicated)		
		GPD	BOD5, mg/L	NH_3-N, mg/L	GPD	GPD	BOD5, mg/L	NH_3-N, mg/L	MODELING COMMENTS
Johnson Ridge Community Improvements	**43509/ LAG560136**	**45,000**	**20**						**Not included in model- discharges to St. Louis Canal**
Mobil Estatees Subdivision	**42540/ LAG570214**	**74,800**	**10**						**Not included in model- discharges to St. Louis Canal**
South Electric Cooperative Assn.	**9181/ LAG750272**	**600**	45 mg/L (weekly average)						**Not included in model- discharges to St. Louis Canal**
Coteau Trailer Park	**41101/ LAG540238**	**<25,000**	**30**						**Not included in model- discharges to Lake Coteau to Lake Houma**
Little Bayou Black Soc J3307	**40759/ LAG530991**	**480**	45 mg/L (weekly average)						**Not included in model- discharges to Little Bayou Black**
West Building Materials	**43928/ LAG530909**	**100**	45 mg/L (weekly average)						**Not included in model- discharges to Little Bayou Black**
Matherne Development	**33902/ LA0113255**	**114,200**	**10**						**Not included in model- discharges to Bayou Cane**
EXXON Jubilee #624	**82058/ LAG540958**	**<10,000**	**30**						**Not included in model- discharges to Little Bayou Coteau**
Chateau Audobon	**87935/ LAG531130**	**<2,500**	45 mg/L (weekly average)						**Not included in model- discharges to St. Louis Canal**
Levytown STP- Terrebonne Parish Consolidated Gov't	**43510/ LAG560135**	**30,000**	**20**						**Not included in model- discharges to Ouiski Bayou to Little Bayou Black**

FACILITY	AI Number/ LPDES Number	CURRENT EXPECTED FLOW	CURRENT MONTHLY AVERAGE CONCENTRATION LIMITS (unless otherwise indicated)		TMDL FLOW	MOS FLOW	TMDL MONTHLY AVERAGE CONCENTRATION LIMITS (unless otherwise indicated)		
		GPD	BOD5, mg/L	NH_3-N, mg/L	GPD	GPD	BOD5, mg/L	NH_3-N, mg/L	MODELING COMMENTS
Lake Houmas Inn	**42237/ LAG540466**	**6,500**	**30**						**Not included in the model-discharges to St. Louis Canal to ICWW**
Sub District 02 Headquarters	**18410/ LAG530166**	**1,000**	45 mg/L (weekly average)						**Not included in the model-discharges to a ditch to Bayou Cane**
Frank's Casing Crew and Rental Tools, Inc.	**41566/ LAG480590**	**80**	45 mg/L (weekly average)						**Not included in the model-discharges to a ditch to ICWW**
Circle K-Quality Food Store, Inc	**75400/ LAG531619**	**910**	45 mg/L (weekly average)						**Not included in the model-discharges to ICWW**
Eager Eagle Productions, LLC	**141935/ LAG532104**	**100**	45 mg/L (weekly average)						**Not included in the model-discharges to a ditch to Bayou Cane to Bayou Black**
Kenneth Rembert Mobile Home Park	**42035/ LAG540823**	**12,800**	30						**Not included in the model-discharges to a ditch to ICWW**
Olsen Securities Corp.	**42718/ LAG540847**	**12,000**	30						**Not included in the model-discharges to a ditch to St. Louis Bayou**
Coteau 90 Exxon and Casino	**68924/ LAG541041**	**<17,000**	30						**Not included in the model-discharges to a ditch Caro Canal to St. Louis Bayou to ICWW**
Bayou Blue Mobile Home Court WWTP	**121640/ LAG541228**	**20,000**	30						**Not included in the model-discharges to St. Louis Bayou to ICWW**
Ferantello Estates WWTP	**123218/ LAG570261**	**27,600**	10						**Not included in the model-discharges to local drainage to Ouiski Bayou**

FACILITY	AI Number/ LPDES Number	CURRENT EXPECTED FLOW	CURRENT MONTHLY AVERAGE CONCENTRATION LIMITS (unless otherwise indicated)		TMDL FLOW	MOS FLOW	TMDL MONTHLY AVERAGE CONCENTRATION LIMITS (unless otherwise indicated)		
		GPD	BOD5, mg/L	NH_3-N, mg/L	GPD	GPD	BOD5, mg/L	NH_3-N, mg/L	MODELING COMMENTS
Quiet Oaks Subdivision WWTp	**128702/ LAG570354**	**36,800**	10						**Not included in the model-discharges to St. Louis Bayou to ICWW**
The Landing on Bayou Cane	**106649/ LAG570258**	**69,280**	10						**Not included in the model-discharges to Bayou Cane**
Jollie Oaks Subdivision*	**99377/ LAG541113**	**20,000**	**30 mg/L (monthly average)**						**Not included in the model-discharges to St. Louis Bayou**
Baker Atlas	**19378/ LAG480081**	**200**	45 mg/L (weekly average)						**Not included in the model-discharges to St. Louis Bayou**
Security Boulevard Rentals, LLC	**119160/ LAG480380**	**760**	45 mg/L (weekly average)						**Not included in the model-discharges to Little Bayou Black**
Southern Technology and Services, Inc.	**29921/ LAG480390**	**1,500**	45 mg/L (weekly average)						**Not included in the model-discharges to Bayou Little Coteau**
Wood Group Logging Services	**12646/ LAG480406**	**151**	45 mg/L (weekly average)						**Not included in the model-discharges to Hollywood Canal or Bayou Blue**
Weatherford US, LP	**12878/ LAG480486**	**500**	45 mg/L (weekly average						**Not included in the model-discharges to Black Bayou**
T3 Energy Services	**11155/ LAG530142**	**880 (outfall 001)** **298 (outfall 002)** **182 (outfall 003)**	45 mg/L (weekly average						**Not included in the model-discharges to Little Black Bayou**

FACILITY	AI Number/ LPDES Number	CURRENT EXPECTED FLOW	CURRENT MONTHLY AVERAGE CONCENTRATION LIMITS (unless otherwise indicated)		TMDL FLOW	MOS FLOW	TMDL MONTHLY AVERAGE CONCENTRATION LIMITS (unless otherwise indicated)		
		GPD	BOD5, mg/L	NH_3-N, mg/L	GPD	GPD	BOD5, mg/L	NH_3-N, mg/L	MODELING COMMENTS
Geri Leblanc Pontiac Buick GMC Truck	30020/ LAG470143								Not included in the model; connected to the City of Thibodaux STP
Trapp Chevrolet Oldsmobile Cadillac	10182/ LAG470041								Not included in the model-connected to parish sewage system
Robichaux Ford	91037/ LAG470117								Not included in the model-conntected to the City of Thibodaux STP
Acadia Woods Subdivision	38187/ LAG540083								Not included in model-connected to the City of Thibodaux STP
Eschete Trailer Park	105179								Not included in the model-discharges to parish sewage
Baywash	41208/ LAG750220								Not included in the model-discharges to parish sewage
Enterprise Rent-a-Car	41392/ LAG750229								Not included in the model-no sanitary discharge

* Notes: While this source is not specifically modeled, its residual impact is accounted for in the nonpoint source load component of the model, and that the permit conditions should continue in effect.

BOD and Nutrients TMDL

120302

Bayou Folse

Developed by LDEQ; dated 3/31/2008

http://www.deq.louisiana.gov/portal/portals/0/technology/tmdl/pdf/FINAL_BAYOUFOLSE120302TMDL_033108.pdf

The existing point sources have little to no impact on the main stem of Bayou Folse and require no changes to their permitted discharges.

The results of the projection modeling for subsegment 120302 show that the water quality standard of 5.0 mg/l for dissolved oxygen cannot be maintained even with a 90% reduction in non-point sources. There were no appropriate reference streams available to calculate background conditions. Allocations are presented in Table 1.

Table 2. Total Maximum Daily Load (Sum of UCBOD[1], UNBOD, and SOD)

ALLOCATION	SUMMER		WINTER	
	% Reduction Required	(MAR-NOV) (lbs/day)	% Reduction Required	(DEC-FEB) (lbs/day)
Point Source WLA	0	346	0	346
Point Source Reserve MOS (20%)		86		86
Nonpoint Source LA	90	320	90	260
Nonpoint Source Reserve MOS (20%)		79		64
TMDL		831		756

***Note1: UCBOD as stated in this allocation is Ultimate CBOD.
UCBOD to $CBOD_5$ ratio = 2.3 for all treatment levels
Permit allocations are generally bas ed on $CBOD_5$***

Bayou Folse WLA Allocations	
Facility	WLA(lbs/day)
Lafourche SD#1	99
Lafourche PH WD #1	119
Lafourche Par SD #14	29
Community Sewer Service	24
Grand Marnier Subdivision	46
Thoroughbred Park Subdivision	29
TOTAL	**346**

***Note1: UCBOD as stated in this allocation is Ultimate CBOD.
UCBOD to $CBOD_5$ ratio = 2.3 for all treatment levels
Permit allocations are generally bas ed on $CBOD_5$***

120302 Discharger Inventory

FACILITY	FILE No.	NPDES No.	FACILITY TYPE	RECEIVING WATER	EXPECTED FLOW GPD	BOD5/ CBOD5, mg/L	MODELING COMMENTS
Caro Foods Inc - PFG Caro	19877	LA0072231	Produce Distribution	Hollywood Canal	10,000	30	Not Modeled – too far from the named waterbody.
St. Patrick St.	19454	LAG540362	Public Housing	unnamed ditch to Bayou Cut Off to 40 Arpent Canal to Company Canal	12,000	30	Not Modeled – too far from the named waterbody.
Elmwood Estates	19194	LAG540702	Subdivision	unnamed ditch to Bayou Cut Off to Fourty Arpent Canal to Company Canal	24,000	30	Not Modeled – too far from the named waterbody.
LAFOURCHE PAR SEW DIST #1 (Country Club Subdivision)	43666	LA0049344	Subdivision	Fourty Arpent Canal to Company Canal	180,000	10	Modeled
Harlan's Trailer Park	41725	LAG540344	Trailer Park	28 Arpent Canal to 40 Arpent Canal to Bayou Terrebonne	10,000	30	No Modeled – too far from the named waterbody.
Thoroughbred Park Subdivision	43543	LAG570091	Subdivision	unnamed ditch to Bayou Cutoff	50,400	10	Modeled as Throughbred Ditch
Drachenberg Mobile Home Park	31060	LAG540274	Trailer Park	Unnamed ditch to 40 Arpent Canal to Company Canal	15,300	30	Not Modeled – too far from the named waterbody.
Country Village Estates	18544	LAG560043	Subdivision	local drainage to 40 Arpent Canal to Bayou Lafourche to Company Canal	32,000	20	Not Modeled – too far from the named waterbody.
Martin Trailer Park	18257	LAG530354	Trailer Park	Pipe to street drainage ditch to Hollywood Canal to Company Canal SW of Lake Fields	4,500	30	Not Modeled – too far from the named waterbody.

Marcel's Trailer Rental	**18020**	**LAG530351**	**Trailer Park**	**Extended aeration package plant to Hwy 316 ditch to St Louis Canal to Hollywood Canal to Company Canal**	**2,000**	**30**	**Not Modeled – too far from the named waterbody.**
Community Sewer Service (Dugas Subdivision)	**41103**	**LAG540239**	**Subdivision**	**Ex Aer Plt to drainage ditch to unnamed canal to junction of Hollywood Canal and Bayou Cut-off. B Cut-off to Bayou Folse to Lake Fields and Company Canal. Hollywood Canal to St. Louis Canal and Company Canal.**	**20,800**	**30**	**Modeled as part of Dugas Canal**
Bailey's Apartments	**42075**	**LAG530285**	**Apartment Complex**	**Unnamed ditch to Bayou Cutoff**	**4,400**	**30**	**Not Modeled – too far from the named waterbody.**
Tools and Testing Department	**22714**	**LA0097268**	**Drilling Co.**	**Local drainage to Hollywood Canal**	**363**	**30**	**Not Modeled – too far from the named waterbody.**
LAFOURCHE PAR SEW DIST #14 (Dugas Subivision with addendum treatment plant)	**42222**	**LAG560113**	**STP**	**local Drainage to Company Canal**	**27,200**	**20**	**Modeled as part of Dugas Canal**
Richard Ledet's Trailer Park	**43045**	**LAG530461**	**Trailer Park**	**Unnamed ditch, 40 Arpent, Company Canal, Bayou Lafourche**	**900**	**30**	**Not Modeled – too far from the named waterbody.**
St. Charles Elementary School	**5153**	**LAG540463**	**Public School**	**Ditch to Bayou Cutoff to Bayou Folse**	**5,565**	**30**	**Not Modeled – too far from the named waterbody.**
Central Lafourche School	**42217**	**LAG540454**	**Public School**	**Bayou Lafourche**	**21,960**	**30**	**Not Modeled – too far from the named waterbody.**

Economy Inn	**41346**	**LAG530185**	**Motel**	**Bayou Lafourche via Company Canal**	**1,600**	**30**	**Not Modeled – too far from the named waterbody.**
Raceland Store #3	**43092**	**LAG530679**	**Grocery Store**	**Bayou Lafourche**	**1,000**	**30**	**Not Modeled – too far from the named waterbody.**
Suard Barge	**43434**	**LA0103683**	**Barge Company/Shipyard**	**Company Canal, Intracoastal Waterway, Houma Deepwater Channel, Gulf of Mexico**	**8,500**	**30**	**Not Modeled – too far from the named waterbody.**
Grand Marnier Subdivison	**42293**	**LAG570171**	**Subdivision**	**Forty Arpent Canal to Bayou Cut-Off (to Hollywood Canal to (St Louis Canal to ICWW) to Company Canal) to Company Canal**	**84,400**	**10**	**Modeled**
Transitional Education Center	**81801**	**LAG531038**	**Training Center**	**unnamed canal to Hollywood Canal to ICWW**	**2,300**	**30**	**Not Modeled – too far from the named waterbody.**
Big Wheels Travel Center	**80700**	**LAG540986**	**Travel Center**	**US 90 ditch into Hollywood Canal (to St Louis Canal to the ICWW) to Company Canal**	**13,450**	**30**	**Not Modeled – too far from the named waterbody.**
Shady Park	**18487**	**LAG540640**	**Trailer Park**	**Ditch, bayou cut off, l field**	**12,000**	**30**	**Not Modeled – too far from the named waterbody.**
Woodgroup Logging Services	**12646**	**LA0103411**	**Logging Service**	**Local drainage to Hollywood Canal**	**151**	**30**	**Not Modeled – too far from the named waterbody.**
LAFOURCHE PH WATER DIST #1	**8170**	**LA0072621**	**North Water Plant**	**drainage ditch to Bayou Cutoff to Bayou Folse to Lake Fields**	**108,000**	**10**	**Modeled as part of Dugas Canal**

BOD and Nutrients TMDL

120303

Bayou L'Eau Bleu BOD and Nutrients TMDL

Developed by LDEQ; dated 3/31/2008

http://www.deq.louisiana.gov/portal/portals/0/technology/tmdl/pdf/FINAL_BayouLeauBleu120303TMDL_033108.pdf

Total Maximum Daily Load (Sum of UCBOD[1], UNBOD, and SOD)

ALLOCATION	Summer	Winter
	May – Oct (lbs/day)	Nov - Apr (lbs/day)
Total Nonpoint Source LA	3,586	3,164
MOS (10%)	1,404	792
TMDL	**4,972**	**3,956**
Total Nonpoint Reduction Required	80%	80%

***Note1: UCBOD as stated in this allocation is Ultimate CBOD.
UCBOD to $CBOD_5$ ratio = 2.3 for all treatment levels
Permit allocations are generally based on $CBOD_5$***

120303 Discharger Inventory

							MONTHLY AVERAGE CONCENTRATION LIMITS		MONTHLY AVERAGE MASS LIMITS		
FACILITY	**FILE No.**	**Out-fall No.**	**OUTFALL DESCRIP-TION**	**FACILITY TYPE**	**RECEIVING WATER**	**EXPECTED FLOW GPD**	**BOD5/ CBOD5, mg/L**	**NH_3-N, mg/L**	**BOD, lbs./day**	**NH_3-N, lbs./day**	**MODELING COMMENTS**
Town of Lockport	**19435**	**001**	**Effluent Pipe**	**Municipality**	**Forty Arpent Canal, to Tom Foret Canal, into Bayou L'Eau Bleu**	**900,000**	**10**		**75.123**		**Not Modeled – too far from the named waterbody.**

BOD and Nutrients TMDL

(120401, 120404, 120405, 120406)

Lower Terrebonne Basin

Developed by Tetra Tech for EPA; dated 3/14/2008 and revised 9/30/2008

http://www.epa.gov/region6/water/npdes/tmdl/2008/louisiana/final/loter_tmdldonut_sept08f.pdf

120501

Bayou Grand Caillou

Total Maximum Daily Load (Sum of UCBOD, UNBOD, and SOD)

ALLOCATION	**SUMMER**		**WINTER**	
	% Reduction Required	March – November (lbs/day)	% Reduction Required	December-February (lbs/day)
Point source WLA	0	7	0	7
Point source MOS	0	2	0	2
Manmade nonpoint source LA	80	732	80	626
Manmade nonpoint source MOS	0	183	0	157
TMDL		924		792

Note: UCBOD as stated in this allocation is ultimate CBOD. Permit limitations are generally based on $CBOD_5$. UCBOD to $CBOD_5$ ration is 2.3 for all treatment levels.

Point Source TMDL Summary 120501

FACILITY	**FILE NO.**	**CURRENT EXPECTED FLOW (GPD)**	**CURRENT CONCENTRATION LIMITS**	**MOS FLOW (GPD)**	**TMDL CONCENTRATION LIMITS**
Weatherford Petco Inc	LA0083178	540	30 mg/l BOD_5	135	30 mg/l BOD_5
McDonald's Corp	LAG531165	3280	30 mg/l BOD_5	820	30 mg/l BOD_5
Hill City Oil Co. of Miss.	LAG750227	1500	30 mg/l BOD_5	375	30 mg/l BOD_5
Smith Intl Inc.	LAG531003	500	30 mg/l BOD_5	125	30 mg/l BOD_5

BOD and Nutrients TMDL

120503

Bayou Petit Caillou

Total Maximum Daily Load (Sum of UCBOD, UNBOD, and SOD)

ALLOCATION	**SUMMER**		**WINTER**	
	% Reduction Required	May – October (lbs/day)	% Reduction Required	November-April (lbs/day)
Total nonpoint source LA	75	1,674	75	1,340
MOS (10%)		208		167
Future Growth Reserve (10%)		208		168
TMDL		2,090		1,675

BOD and Nutrients TMDL

120504

Bayou Petit Caillou

Developed by LDEQ; dated 3/31/2008

http://www.deq.louisiana.gov/portal/portals/0/technology/tmdl/pdf/Final_PetitCaillou120504TMDLReport_033108.pdf

Total Maximum Daily Load (Sum of UCBOD[1], UNBOD, and SOD)

ALLOCATION	Summer	Summer	Winter	Winter
	% Reduction Required	May – Oct (lbs/day)	% Reduction Required	Nov - Apr (lbs/day)
Point Source WLA	0%	1206	0%	1206
Point Source Reserve MOS (20%)		302		302
Total Nonpoint Source LA	70%	8,141	70%	7,753
Total Nonpoint Source Reserve MOS (20%)		2,035		1,938
TMDL		11,684		11,199

***Note1: UCBOD as stated in this allocation is Ultimate CBOD.
UCBOD to $CBOD_5$ ratio = 2.3 for all treatment levels
Permit allocations are generally based on $CBOD_5$***

120504 Discharger Inventory

							MONTHLY AVERAGE CONCENTRATION LIMITS		MONTHLY AVERAGE MASS LIMITS		
FACILITY	FILE No.	Out-fall No.	OUTFALL DESCRIP-TION	FACILITY TYPE	RECEIVING WATER	EXPECTED FLOW GPD	BOD5/ CBOD5, mg/L	NH_3-N, mg/L	BOD, lbs./day	NH_3-N, lbs./day	MODELING COMMENTS
Price Seafood	19047	LA0077461	Discharge to process wastewater, and washdown wastewater.	Shrimp Processor	Petite Caillou	9,500	Report		Report		Modeled
Indian Ridge Shrimp Co.	41891	LA0004073	Discharge to process wastewater, washdown water, and hand sink wastewater	Shrimp Processor	Petite Caillou	144,000			500		Modeled
Indian Ridge STP	43511	LAG560177	Discharge treated sanitary wastewater	STP	Bayou La Cache	30,000	20		5.01		This discharger is located in this subsegment but does not discharge to Petite Caillou.
Triple T Enterprises	43639	LA0091278	Discharge treated process wastewater, wash down water, and previously monitored sanitary wastewater.	Shrimp Processor	Petite Caillou	192,000	Report		Report		Modeled
Sarah Bridge	18955	LAG530311	Discharge Sanitary Wastewater	Traffic Bridge	Petite Caillou	20	30		0.005		Modeled

							MONTHLY AVERAGE CONCENTRATION LIMITS		MONTHLY AVERAGE MASS LIMITS		
FACILITY	**FILE No.**	**Out-fall No.**	**OUTFALL DESCRIP-TION**	**FACILITY TYPE**	**RECEIVING WATER**	**EXPECTED FLOW GPD**	**BOD5/ CBOD5, mg/L**	**NH_3-N, mg/L**	**BOD, lbs./day**	**NH_3-N, lbs./day**	**MODELING COMMENTS**
Piggly Wiggly	**81084**	**LAG531035**	**Discharge treated wastewater**	**Supermarket**	**Unnamed ditch to Unnamed bayou to Boudreaux Canal**	**1200**	**30**		**0.30**		**This discharger is located in this subsegment but does not discharge to Petite Caillou.**

BOD and Nutrients TMDL

120505

Bayou Du Large

Developed by LDEQ; dated 5/11/2007

http://www.deq.louisiana.gov/portal/portals/0/technology/tmdl/pdf/Final_BAYOUDULARGEWATERSHEDTMDL_071807.pdf

Total Maximum Daily Load (Sum of UBOD and SOD)

ALLOCATION	SUMMER		WINTER	
	% Reduction Required	(MAY-OCT) (lbs/day)	% Reduction Required	(NOV-APR) lbs/day)
Point Source WLA	0	0	0	0
Point Source Reserve MOS (20%)	0	0	0	0
Manmade Nonpoint Source LA	85	611	85	481
Manmade Nonpoint Source Reserve MOS(20%)	0	152	0	119
TMDL		763		600

Discharger Inventory for 120505

							MONTHLY AVERAGE CONCENTRATION LIMITS		MONTHLY AVERAGE MASS LIMITS		
FACILITY	**FILE No.**	**Out-fall No.**	**OUTFALL DESCRIP-TION**	**FACILITY TYPE**	**RECEIVING WATER**	**EXPECTED FLOW GPD**	**BOD5/ CBOD5, mg/L**	**NH_3-N, mg/L**	**BOD, lbs./day**	**NH_3-N, lbs./day**	**MODELING COMMENTS**
Terrebonne Parish Library	**91032**	**001**	**Treated sanitary wastewater**	**Library**	**Unnamed ditch; thence into Bayou Du Large**	**190**	**30**	**15**	**0.0476**	**0.0238**	**Due to insignificant impact, this discharger was not included in the model.**

BOD and Nutrients TMDL

120507

Bayou Chauvin

Developed by LDEQ; dated 7/18/2007

http://www.deq.louisiana.gov/portal/portals/0/technology/tmdl/pdf/Final_120507BayouChauvinTMDLReport_071807.pdf

The results of the projection modeling for subsegment 120507 show that the water quality standard of 4.0 mg/l for dissolved oxygen can be maintained during the summer critical season with a 43% reduction of total nonpoint pollution. The minimum DO is 4.39 mg/l. Background loading could not be calculated because there were no reference stream studies available for this area.

Table 1. Total Maximum Daily Load (Sum of UCBOD[1], UNBOD, and SOD)

ALLOCATION	SUMMER		WINTER	
	% Reduction Required	(MAR-NOV) (lbs/day)	% Reduction Required	(DEC-FEB) (lbs/day)
Point Source WLA	0	0	0	0
Point Source Reserve MOS (20%)	0	0	0	0
Manmade Nonpoint Source LA	43	21,106	43	18,282
Manmade Nonpoint Source Reserve MOS(20%)	0	5,277	0	4,571
TMDL		26,383		22,853

***Note1: UCBOD as stated in this allocation is Ultimate CBOD.
UCBOD to $CBOD_5$ ratio = 2.3 for all treatment levels
Permit allocations are generally based on $CBOD_5$***

BOD and Nutrients TMDL

120605

Bayou Pointe au Chien

Total Maximum Daily Load (Sum of CBOD, NH3-N, and SOD)

ALLOCATION	SUMMER		WINTER	
	% Reduction Required	March – November (lbs/day)	% Reduction Required	December-February (lbs/day)
Point source WLA	0	11	0	11
Point source MOS		2		2
Total nonpoint source LA	80	465	80	370
Total nonpoint source MOS		112		88
TMDL		590		471

Point Source TMDL Summary 120605

		CURRENT EXPECTED FLOW	CURRENT MONTHLY AVERAGE CONCENTRATION LIMITS		MOS FLOW	TMDL MONTHLY AVERAGE CONCENTRATION LIMITS	
FACILITY	FILE NO.	GPD	$BOD_5/CBOD_5$ (mg/L)	NH_3-N (mg/L)	GPD	$BOD_5/CBOD_5$ (mg/L)	NH_3-N (mg/L)
Ponte au Chien School	LAG540732	9,000	30	NA	2,250	30	NA

120606

TMDL for DO and Nutrients for Bayou Blue within the Terrebonne Basin

Developed by Tetra Tech for EPA; dated 3/14/2008

http://www.epa.gov/region6/water/npdes/tmdl/2008/louisiana/final/18_bblue_donut_tmdlf.pdf

120708

TMDLs for DO and Nutrients in Lost Lake and Four League Bay

Developed by FTN Associates for EPA; dated 3/25/2008

http://www.epa.gov/region6/water/npdes/tmdl/2008/louisiana/final/4lostl_4leag_donut_tmdlf.pdf

120709

TMDLs for DO and Nutrients in Bayou Petite Caillou

Developed by FTN Associates for EPA; dated 3/24/2008

http://www.epa.gov/region6/water/npdes/tmdl/2008/louisiana/final/5bpcaillou_donutf_tmdl.pdf

EPA's Hg TMDL for Coastal and Gulf Waters

http://www.epa.gov/earth1r6/6wq/npdes/tmdl/latmdl/2005tmdls/6hgtmdls605f.pdf

Subsegments

010901
021102
042209
070601
110701
120806

APPENDIX A AREAWIDE POLICIES

AREAWIDE POLICY FOR LOWER LAKE PONTCHARTRAIN BASIN SEGMENT 0401

This areawide policy applies to all sanitary wastewater treatment facilities located in the following *listed* named waterbodies or those waterbodies which contribute to and are contained within the drainage area of the listed waterbodies in the lower half of Segment 0401 of the Lake Pontchartrain Basin[1]:

Draughan Creek
Beaver Bayou
Airforce Depot Canal
Shoe Creek
Hurricane Creek
Jones Bayou
Blackwater Bayou
Cypress Bayou (below Baker Canal)
White Bayou (below Baker Canal)
South Canal
Saunders Bayou
Redwood Creek

This areawide effluent limitations policy is as follows:

1. All Publicly Owned Treatment Works (POTW) having a design capacity of 100,000 gallons per day (gpd) or greater or all other facilities having an expected flow of 100,000 gpd or greater shall be assigned effluent limitations as follows:

   $CBOD_5$ 10 mg/l (avg) / 15 mg/l (max)

   NH_3-N 5 mg/l (avg) / 10 mg/l (max)

2. All POTW's having a design capacity greater than or equal to 25,000 gpd and less than 100,000 gpd or all other facilities having a expected flow greater than or equal to 25,000 gpd and less than 100,000 gpd will be assigned effluent limitations as follows:

   BOD_5 10 mg/l (avg) 15 mg/l (max)

3. Effluent limitations for POTW's having a design capacity of less than 25,000 gpd or all other facilities having an expected flow of less than 25,000 gpd will be decided on a case-by-case basis.

4. Disinfection will be required.

[1] The Baker Canal, upper White Bayou, and upper Cypress Bayou and their tributaries are excluded.

5. Appropriate TSS limitations shall be assigned by the Administrative Authority on a case-by-case basis. However, at no time shall final TSS effluent limitations be less stringent than the secondary treatment levels defined in LAC 33:IX.709.

AREAWIDE POLICY FOR LAKE PONTCHARTRAIN BASIN SEGMENT 0402

This areawide policy applies to all sanitary wastewater treatment facilities located in the following areas:

Ascension Parish
East Baton Rouge Parish
Iberville Parish

and which discharge directly into Bayou Manchac or any other waterbodies which contribute to and are contained in the Bayou Manchac drainage area in Segment 0402 of the Lake Pontchartrain Basin. This includes but is not limited to the following waterbodies:

Bayou Fountain
Wards Creek
Dawson Creek
Alligator Bayou
Welsh Gully
Cotton Bayou
Muddy Creek

This areawide effluent limitations policy is as follows:

1. All Publicly Owned Treatment Works (POTW) having a design capacity of 100,000 gallons per day (gpd) or greater or all other facilities having an expected flow of 100,000 gpd or greater will be assigned effluent limitations as follows:

   $CBOD_5$ 10 mg/l (avg) / 15 mg/l (max)

   NH_3-N 5 mg/l (avg) / 10 mg/l (max)

2. All POTW's having a design capacity greater than or equal to 25,000 gpd and less than 100,000 gpd or all other facilities having an expected flow greater than or equal to 25,000 gpd and less than 100,000 gpd will be assigned effluent limitations as follows:

   BOD_5 10 mg/l (avg) 15 mg/l (max)

3. Effluent limitations for POTW's having a design capacity of less than 25,000 gpd or all other facilities having an expected flow of less than 25,000 gpd will be decided on a case-by-case basis.

4. Disinfection will be required.

5. Appropriate TSS limitations shall be assigned by the Administrative Authority on a case-by-case basis. However, at no time shall final TSS effluent limitations be less stringent than the secondary treatment levels defined in LAC 33:IX.709.

AREAWIDE POLICY FOR LAKE PONTCHARTRAIN BASIN SEGMENT 0403

This areawide policy applies to all sanitary wastewater treatment facilities discharging directly into the Amite River or any of the following waterbodies or tributaries to these waterbodies (includes but is not limited to) in segment 0403 as follows:

East Baton Rouge Parish

Redman Lake
Clay Cut Bayou
Jones Creek
Honey Cut Bayou
Hub Bayou
Sandy Creek
Kidds Creek
Whittten Creek

Northwest Livingston Parish

Spillers Creek
Clayton Creek
Beaver Creek
Colton Creek
Long Slash
Gray's Creek
Colyell Bay

The areawide effluent limitations policy is as follows:

1. All Publicly Owned Treatment Works (POTW) having a design capacity of 100,000 gallons per day (gpd) or greater or all other facilities having an expected flow of 100,000 gpd or greater will be limited as follows:

   $CBOD_5$ 10 mg/l (avg) / 15 mg/l (max)

   NH_3-N 5 mg/l (avg) / 10 mg/l (max)

2. All POTW's having a design capacity greater than or equal to 25,000 gpd and less than 100,000 gpd or all other facilities having an expected flow greater than or equal to 25,000 gpd and less than 100,000 gpd will be limited as follows:

   BOD_5 10 mg/l (avg) / 15 mg/l (max)

3. Limitations for POTW's having a design capacity of less than 25,000 gpd or all other facilities having an expected flow of less than 25,000 gpd will be decided on a case-by-case basis.

4. Disinfection will be required.

5. Appropriate TSS limitations shall be assigned by the Administrative Authority on a case-by-case basis. However, at no time shall final TSS effluent limitations be less stringent than the secondary treatment levels defined in LAC 33:IX.709.

AREAWIDE POLICY FOR ST. TAMMANY PARISH

This areawide policy applies to all sanitary wastewater treatment facilities in the following area:

St. Tammany Parish

All sanitary wastewater treatment facilities which discharge directly into any of the following waterbodies or into waterbodies which contribute to and are contained within the drainage area of both the Lake Pontchartrain Basin and the Pearl River Basin. These waterbodies include, but are not limited to the following:

West Pearl River
Bayou Lacombe
Tchefuncte River
Bogue Falaya River
Abita River
Bayou Bonfouca
Bayou Liberty
Lake Pontchartrain

This areawide effluent limitations policy is as follows:

1. All Publicly Owned Treatment Works (POTW) having a design capacity of 100,000 gallons per day (gpd) or greater or all other facilities having an expected flow of 100,000 gpd or greater will be limited as follows:

   $CBOD_5$ 10 mg/l (avg) / 15 mg/l (max)

   NH_3-N 5 mg/l (avg) / 10 mg/l (max)

2. All POTW's having a design capacity greater than or equal to 10,000 gpd and less than 100,000 gpd or all other facilities having an expected flow greater than or equal to 10,000 gpd and less than 100,000 gpd will be limited as follows:

   BOD_5 10 mg/l (avg) / 15 mg/l (max)

3. Limitations for POTW's having a design capacity of less than 10,000 gpd or all other facilities having an expected flow of less than 10,000 gpd will be decided on a case-by-case basis.

4. Disinfection will be required.

5. Post-aeration with an effluent dissolved oxygen limit of 5 mg/l may be required on a case-by-case basis.

6. Appropriate TSS limitations shall be assigned by the Administrative Authority on a case-by-case basis. However, at no time shall final TSS effluent limitations be less stringent than the secondary treatment levels defined in LAC 33:IX.709.

AREAWIDE POLICY FOR VERMILION RIVER BASIN SEGMENT 0608

This areawide policy applies to all facilities discharging directly into the Vermilion River or into any named or unnamed waterbodies which contribute to and are contained within the drainage area of the Vermilion River in Segment 0608 of the Vermilion River Basin[1] .

This areawide effluent limitations policy is as follows:

Sanitary Wastewater Treatment Facilities

1. All Publicly Owned Treatment Works (POTW) having a design capacity greater than 25,000 gallons per day (gpd) or any other facility having an expected flow greater than 25,000 gpd will be limited as follows:

April through November

$CBOD_5$ 10 mg/l (avg) / 15 mg/l (max)
NH_3-N 5 mg/l (avg) / 10 mg/l (max)
Dissolved Oxygen 5 mg/l (minimum)

December through March

$CBOD_5$ 20 mg/l (avg) / 30 mg/l (max)
NH_3-N 10 mg/l (avg) / 20 mg/l (max)
Dissolved Oxygen 5 mg/l (minimum)

2. All POTW's having a design capacity less than or equal to 25,000 gpd or all other facilities having an expected flow less than or equal to 25,000 gpd will be limited as follows:

BOD_5 30 mg/l (avg) / 45 mg/l (max)

3. Specific concentration limits for the City of Lafayette POTW's[1] will be established through consultation with local representatives.

4. Disinfection will be required for all sanitary wastewater dischargers.

5. Appropriate TSS limitations shall be assigned by the Administrative Authority on a case-by-case basis. However, at no time shall final TSS effluent limitations be less stringent than the secondary treatment levels defined in LAC 33:IX.709.

Industrial Dischargers

[1] The above effluent limitations were established based upon the wasteload allocation model developed for the Vermilion River (Wasteload Allocation for the Vermilion River, 1987)..
[1] Flows of these plants may be adjusted such that total Wasteload allocation limitations are not exceeded.

Industrial dischargers will be required to treat to equivalent levels.

APPENDIX B STATEWIDE SANITARY EFFLUENT LIMITATIONS POLICY

STATEWIDE SANITARY EFFLUENT LIMITATIONS POLICY

1. Dischargers given specific limits in a final TMDL shall be assigned those limits.

2. The Atchafalaya, Red, and Mississippi Rivers are river systems which because of flow or dispersion would not be significantly impacted by a secondary discharge of the largest size to be reasonably expected from these areas. Sanitary wastewater treatment facilities discharging into these systems will be assigned *SECONDARY TREATMENT.*

3. Areawide policies adopted by the Department for establishment of effluent limits in specified area of the State, will supersede limits assigned in the original 1980 Basin Plans.

4. Remaining sanitary dischargers will be assigned effluent limits according to the following schedule:

FLOW	TREATMENT LEVEL MG/L
<25,000 GPD	30 BOD_5/30 OR 90 TSS Secondary*
25,000 – 50,000 GPD	20 BOD_5/20 TSS Advanced Secondary
>50,000 GPD	10 BOD_5/15 TSS Advanced

5. Individual dischargers may request alternate permit limits by performing an individual analysis which is supervised and approved by the Department.

NOTE: The LDEQ reserves the right to assign an effluent limitation based upon an individual discharge analysis, regardless of any previously established effluent limitation.

+ Whenever NH_3 limits are assigned to a facility, $CBOD_5$ will be required rather than BOD_5.
* Louisiana Administrative Code: Volume 14, 33:IX.711D
    - Mechanical Treatment Systems = 30 TSS
    - Oxidation Ponds = 90 TSS

APPENDIX C HAULED DOMESTIC SEPTAGE POLICY

Acceptance of Hauled Domestic Septage at Sanitary Wastewater Treatment Facilities

This policy has been established to provide guidelines for the development of LPDES permit conditions for those sanitary wastewater treatment facilities (both public and private) that accept hauled domestic septage into the treatment system.

Louisiana's water quality regulations define domestic septage as the liquid and solid material pumped from a septic tank, cesspool, portable toilet, Type III marine sanitation device, any similar domestic sewage treatment system, or a holding tank when the system is cleaned or maintained that receives only domestic sewage. Domestic sewage includes waste and wastewater from humans or household operations that are discharged to or otherwise enter a treatment works.

The acceptance of hauled domestic septage into any sanitary wastewater treatment system is prohibited unless proper notification procedures have been met. This includes notification to the Office of Environmental Services as outlined at LAC 33IX.2703 or by representation in the permit application. A general prohibition will be placed into Part II of all LPDES sanitary wastewater permits, unless the applicant has properly notified the Department.

The Department shall establish and maintain a strategy for the development and implementation of LPDES permit requirements for those facilities receiving hauled domestic septage containing at minimum conditions for the development of a manifest system, vehicle log, recordkeeping and reporting requirements.