

APPENDIX A:
Tidal Influence in Selected Subsegments:
Information Provided by Max Forbes via
Personal Communication

From: Max Forbes
Sent: Tuesday, May 31, 2011 3:05 PM
To: Sievers, Mark -- FFX
Cc: Chuck Berger
Subject: Comments on LA streams experiencing tidal action

Following are comments on the listing of streams that you sent. Segments that were obviously not tidal (Comite River, Big Creek) were excluded.

040201—Bayou Manchac - When the Amite River is low, tidal action from Lake Maurepas can affect this Bayou.

040302 – Amite River – When the River is low, tidal action is discernible at Port Vincent; effect may fade out before the Denham Springs gage.

040303 – Amite River – Diversion Canal to Maurepas – tidal action much of the time; fading out if the River is high.

040304 – Gray’s Creek – tidal affected in lower reaches, estimated last three miles.

040401 – Blind River – Diversion Canal to Maurepas – tidal action most of the time, high Amite River stages may affect.

040403 – Blind River – Headwaters to Diversion Canal – likely tidal most of the time, high Amite River stages may affect

040305 – Colyell Creek – tidal affected in lower reaches, estimated south of about lat. 30 degrees, 22 minutes, 30 seconds.

040501 – Tickfaw River – Stateline to La 42 – estimate tidal south of about Springville

040503 – Natalbany River – estimate tidal south of I-12

040504 – Yellow Water River – estimate tidal south of La. 22.

040505 – Ponchatoula Creek and River – estimate tidal south of US 61

040603 – Selser’s Creek – estimate tidal south of local road about 1 mile south of La. 22.

040701 – Tangipahoa River – estimate tidal south of La. 22.

040801 – Tchefuncte River – estimate tidal south of US 190.

040903 – Bayou Cane – estimate tidal downstream of US 190.

040905—Bayou Liberty – estimate tidal south of I-12.

040906 – Bayou Liberty – estimate entirely tidal

040909 – W-14 Canal – estimate tidal south of Daney Street in Slidell. Call for specifics.

040910 – Salt Bayou – estimate entirely tidal

041201 – Bayou LaBranche – estimate entirely tidal

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041302 – Lake Pontchartrain Drainage Canals – the area is leveed and rainfall runoff is pumped when a specified water level is experienced within the leveed area. The boundaries were looked at with regard to free flow.

041401 – New Orleans East leveed waterbodies – as for 041302

041805 – Violet Canal – A gated structure exists where the Canal meets the MRGO and is operated to prevent high Gulf tides from reaching the area. Otherwise, the Canal is affected by tidal action from Lake Borgne.

Max J. Forbes Jr.

APPENDIX B: Point Source Discharges in Subsegments 040501 and 040504 in the Lake Pontchartrain Basin

Table B-1. Active point source discharge permit information for 040501	B-1
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Table B-1. Active point source discharge permit information for 040501

AI	Permit #	Outfall	Outfall type	Facility name	Facility type	Expiration date	Receiving waterbody
71	LA0111724	002	Equipment washing wastewater, groundwater infiltrate, air condensate	Gulf South Pipeline Co LP - Montpelier Compressor Station	Electric, Gas, And Sanitary Services	07/31/11	ditch to Bear Creek to Tickfaw River
2961	LA0121398	001	Shipping water, treated sanitary wastewater and storm water	MCM Plastics Inc - Sterling Inc	General Agency Interest	10/31/10	local drainage to Big Branch to Tickfaw River
6858	LA0051969	001	Process wastewater consisting of kitchen grease separation water, washdown wastewater from process area, boiler blowdown, and stormwater runoff	Griffin Industries Inc	Food And Kindred Products	03/31/12	unnamed ditch to Tickfaw River
18184	LAG540479	001	Treated sanitary wastewater	Holden High School	Educational Services	06/30/13	Mayhow Branch to Big Branch to Lizard Creek, to Blood River to Tickfaw River
19437	LA0039179	001	Treated sanitary wastewater	Livingston Town of - Sewage District Plant #1	General Agency Interest	01/31/16	Beaver Pond Branch- to Hog Branch to Tickfaw River
19872	LA0071137	001	Treated discharge of operational reactor and pad washwater, stormwater, cooling tower blowdown, boiler blowdown, laboratory wastewater, sanitary wastewater	Amerchol Corp	Chemicals And Allied Products	10/31/10	Bracheen Branch to Spring Branch to Richfaw River
19872	LA0071137	002	Low contamination potential stormwater runoff	Amerchol Corp	Chemicals And Allied Products	10/31/10	Bracheen Branch to Spring Branch to Richfaw River
19875	LA0056421	001	Treated sanitary wastewater	Weyerhaeuser NR Co - Holden Wood Products	Lumber And Wood Products, Except Furniture	05/31/13	dotch - Big Branch - Tickfaw River
19875	LA0056421	001	Noncontact cooling water	Weyerhaeuser NR Co - Holden Wood Products	Lumber And Wood Products, Except Furniture	05/31/13	dotch - Big Branch - Tickfaw River
19875	LAR05P075		Msgp	Weyerhaeuser NR Co - Holden Wood Products	Lumber And Wood Products, Except Furniture	04/30/11	ditch to Hog Branch
23946	LAG531198	001	Treated sanitary wastewater	Bayou Railcar Services Inc	Fab. Metal Prod., Exc. Mach. And Trans. Equip.	11/30/12	local drainage to Hog Branch to Ticfaw River to Lake Maurepas to Lake Pontchartrain
27615	LAR05M812		Stormwater	Action Oil Recovery Inc	Wholesale Trade-durable Goods	04/30/11	unnamed ditch to Tickfaw River
41640	LAG530225	001	Treated sanitary wastewater	Graceland Apartment Partnership	Hotels, Camps, And Other Lodging Places	11/30/12	unnamed ditch to Yellow Water Diversion Canal to Yellow Water Creek to Natalbany River to Lake Maurepas
41661	LA0038243	001	Treated sanitary wastewater	Greensburg Town of - WWTP	General Agency Interest	09/30/12	dtich to Joseph Branch to Tickfaw River

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AI	Permit #	Outfall	Outfall type	Facility name	Facility type	Expiration date	Receiving waterbody
43363	LAG540671	001	Treated sanitary wastewater	St Helena Central Elementary School	Educational Services	06/30/13	unnamed creek to Twelve Mile Creek to Tickfaw River
43364	LAG540672	001	Treated sanitary wastewater	St Helena Central Middle School	Educational Services	06/30/13	Creek-12 Mile Creek-Tickfaw River
74604	LAG750796	001	Exterior vehicle and equipment wash wastewater	LADOTD - Greensburg Maintenance Unit	State Agency	03/14/14	local drainage to Tickfaw River
84111	LAG541058	001	Treated sanitary wastewater	Lucky Magnolia Truck Plaza & Casino	Nonclassifiable Establishments	06/30/13	Through local drainage then to the Claibourne Branch
86156	LAG490014	001	Process wastewater and process area storm water discharges	Kentwood Brick & Tile Co Inc - Greensburg Plant	Stone, Clay, Glass, And Concrete Products	01/31/15	local drainage to Hoffman Creek
94326	LA0115894	001	Stormwater	Cal-Maine Farms Louisiana Complex - Cal-Maine Foods #52	Chicken Egg CAFO	01/31/16	Chandler Branch to Twelve-Mile Creek to Tickfaw River
94326	LA0115894	002	Stormwater	Cal-Maine Farms Louisiana Complex - Cal-Maine Foods #52	Chicken Egg CAFO	01/31/16	Chandler Branch to Twelve-Mile Creek to Tickfaw River
94326	LA0115894	004	Stormwater	Cal-Maine Farms Louisiana Complex - Cal-Maine Foods #52	Chicken Egg CAFO	01/31/16	Brushy Creek to Tickfaw River
94326	LA0115894	006	Stormwater	Cal-Maine Farms Louisiana Complex - Cal-Maine Foods #52	Chicken Egg CAFO	01/31/16	Brushy Creek to Tickfaw River
94326	LA0115894	007	Stormwater	Cal-Maine Farms Louisiana Complex - Cal-Maine Foods #52	Chicken Egg CAFO	01/31/16	Unnamed intermittent stream to Brush Creek to Tickfaw River
94326	LA0115894	008	Stormwater	Cal-Maine Farms Louisiana Complex - Cal-Maine Foods #52	Chicken Egg CAFO	01/31/16	Brushy Creek to Tickfaw River
94326	LA0115894	009	Stormwater	Cal-Maine Farms Louisiana Complex - Cal-Maine Foods #52	Chicken Egg CAFO	01/31/16	Unnamed intermittent stream to Brush Creek to Tickfaw River
94326	LA0115894	010	Stormwater	Cal-Maine Farms Louisiana Complex - Cal-Maine Foods #52	Chicken Egg CAFO	01/31/16	unnamed intermittent stream to West Hog Branch to Tickfaw River
94326	LA0115894	012	Stormwater	Cal-Maine Farms Louisiana Complex - Cal-Maine Foods #52	Chicken Egg CAFO	01/31/16	unnamed intermittent stream to West Hog Branch to Tickfaw River
94326	LA0115894	013	Stormwater	Cal-Maine Farms Louisiana Complex - Cal-Maine Foods #52	Chicken Egg CAFO	01/31/16	unnamed intermittent stream to West Hog Branch to Tickfaw River
94326	LA0115894	014	Stormwater	Cal-Maine Farms Louisiana Complex - Cal-Maine Foods #52	Chicken Egg CAFO	01/31/16	Davis Branch/Goodman Branch to West Hog Branch to Tickfaw River
94326	LA0115894	015	Stormwater	Cal-Maine Farms Louisiana Complex - Cal-Maine Foods #52	Chicken Egg CAFO	01/31/16	Goodman Branch to West Hog Branch to Tickfaw River

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AI	Permit #	Outfall	Outfall type	Facility name	Facility type	Expiration date	Receiving waterbody
94326	LA0115894	016	Stormwater	Cal-Maine Farms Louisiana Complex - Cal-Maine Foods #52	Chicken Egg CAFO	01/31/16	West Hog Branch to Goodman Branch to Tickfaw River
101455	LAG750433	001	Treated exterior vehicle wash wastewater	A&A Car Wash	Automotive Repair, Services, And Parking	03/14/14	local drainage to Tickfaw River
111326	LAR05N421		Stormwater	LADOTD - Montpelier Maintenance Yard	Motor Freight Transportation And Warehousing	04/30/11	Bear Creek
118113	LAG541356	001	Treated sanitary wastewater	Timothy J Cutrer LLC - Salem Street Mobile Home Court - WWTP	Electric, Gas, And Sanitary Services	06/30/13	local drainage to Joseph Branch to Tickfaw River
154896	LAG532541	001	Treated sanitary wastewater	US Postal Service - Holden Post Office	Federal Agency	11/30/12	unnamed ditch to unnamed creek to Tickfaw River
163785	LAG541732	001	Treated sanitary wastewater	Bebo's Casino	Nonclassifiable Establishments	06/30/13	effluent pipe to Creek lateral to Crittendon Creek to Tickfaw River
166585	LAG533233	001	Treated sanitary wastewater	J3 Investments LLC	Building Construction	11/30/12	effluent pipe to unnamed ditch to Beaver Pond Branch to hog Branch to Tickfaw River
168124	LAR10G118		Stormwater	Abita View Apartments - Abita View Apartments LLC	Nonclassifiable Establishments	09/30/14	pipe to Abita River to Lake Ponchartrain
172997	LAR10G680		Stormwater	Pike Electric Inc.	Business Corporation	11/2/2015	Middle Colyell Creek

Table B-2. Active point source discharge permit information for 040504

AI	Permit #	Outfall	Outfall type	Facility name	Facility type	Expiration date	Receiving waterbody
10041	LAR05M009	001	Process wastewater, boiler blowdown, treated sanitary wastewater, and stormwater	Sanderson Farms Inc - Hammond Processing Plant	Food And Kindred Products	06/30/15	Yellow Water River
10041	LAR05M009	003	Supernate, and stormwater	Sanderson Farms Inc - Hammond Processing Plant	Food And Kindred Products	06/30/15	Yellow Water River
10930	LAG470289	005	Treated sanitary wastewater	Fender Mender Paint & Body Shop	Nonclassifiable Establishments	08/31/14	pipe to Highway 190 roadside ditch to Yellow Water River Branch to Yellow Water River
12026	LAG110225	003A	Stormwater and aggregate spray from sand and gravel unloading areas and stockpiles of washed sand and gravel	Rogers Ready Mix Inc	General Agency Interest	03/14/14	drainage ditch, Yellow Water Branch to Yellow Water River

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AI	Permit #	Outfall	Outfall type	Facility name	Facility type	Expiration date	Receiving waterbody
12026	LAG110225	003B	Stormwater and aggregate spray from sand and gravel unloading areas and stockpiles of washed sand and gravel	Rogers Ready Mix Inc	General Agency Interest	03/14/14	ditch
12026	LAG110225	005	Treated sanitary wastewater	Rogers Ready Mix Inc	General Agency Interest	03/14/14	pipe to drainage ditch to Yellow Water River branch to Yellow Water River
12026	LAG110225	006	Washrack and shop floor washdown wastewater discharges from cement, concrete, and asphalt facilities	Rogers Ready Mix Inc	General Agency Interest	03/14/14	drainage ditch, Yellow Water Branch to Yellow Water River
18546	LAG540565	001	Treated sanitary wastewater	Mo-Dad Utilities LLC - Pine Hill Subdivision	Electric, Gas, And Sanitary Services	06/30/13	Unnamed ditch to Yellow Water River to Ponchatoula Creek
19094	LAG540623	001	Treated sanitary wastewater	Rosewood Mobile Home Park	General Agency Interest	06/30/13	ditch-canal- Yellow Water River
19580	LA0077984	001	Treated sanitary wastewater	Electroless Nickel Plating of Louisiana Inc	Fab. Metal Prod., Exc. Mach. And Trans. Equip.	05/31/14	Yellow Water River
19580	LA0077984	002	Treated process wastewater	Electroless Nickel Plating of Louisiana Inc	Fab. Metal Prod., Exc. Mach. And Trans. Equip.	05/31/14	ditch to Yellow Water River to Natalbany River
19580	LA0077984	003	Stormwater	Electroless Nickel Plating of Louisiana Inc	Fab. Metal Prod., Exc. Mach. And Trans. Equip.	05/31/14	ditch to Yellow Water River to Natalbany River
19580	LA0077984	004	Stormwater	Electroless Nickel Plating of Louisiana Inc	Fab. Metal Prod., Exc. Mach. And Trans. Equip.	05/31/14	ditch to Yellow Water River to Natalbany River
19580	LA0077984	005	Stormwater	Electroless Nickel Plating of Louisiana Inc	Fab. Metal Prod., Exc. Mach. And Trans. Equip.	05/31/14	ditch to Yellow Water River to Natalbany River
22203	LAG560076	001	Treated sanitary wastewater	Tangi Village Apartments	General Agency Interest	05/31/14	ditch to Yellow Water River and Ponchatoula River to the Tickfaw River
23688	LAG470288	005	Treated sanitary wastewater	Rocky's Body Shop	Electric, Gas, And Sanitary Services	08/31/14	effluent pipe to Yellow Water river Branch to Yellow Water River
27264	LAG533476	001	Treated sanitary wastewater	BDD LLC	Nonclassifiable Establishments	11/30/12	Unnamed drainage ditch-Yellow Water River
42309	LAG560022	001	Treated sanitary wastewater	Lionsway LLC - Lions Way Apartments	Real Estate	05/31/14	Yellow Water Diversion Canal to yellow Water River to Ponchatoula Creek
42309	LAG560022	002	Treated sanitary wastewater	Lionsway LLC - Lions Way Apartments	Real Estate	05/31/14	Yellow Water Diversion Canal to yellow Water River to Ponchatoula Creek

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AI	Permit #	Outfall	Outfall type	Facility name	Facility type	Expiration date	Receiving waterbody
43482	LAG570140	001	Treated sanitary wastewater	Tangipahoa Parish Sewerage District #1 - Tillman Park Subdivision STP	Electric, Gas, And Sanitary Services	04/30/14	local drainage to Yellow Water River
43998	LAG540795	001	Treated sanitary wastewater	Woodland Town Home Subdivision	Real Estate	06/30/13	local drainage to Yellow Water River
68833	LAG750800	001	Exterior vehicle wash wastewater	Jeff's Grocery	General Agency Interest	03/14/14	local drainage to Yellow Water River
68833	LAG750800	002	Treated sanitary wastewater	Jeff's Grocery	General Agency Interest	03/14/14	local drainage to Yellow Water River
73850	LAG532246	001	Treated sanitary wastewater	Ryan's Convenience Store & Deli	Eating And Drinking Places	11/30/12	effluent pipe to roadside ditch to Yellow Water River
74009	LAG830225	001	Wastewaters associates with the cleanup of PUST sites	Former Pilot Store #80	Auto dealers and gasoline service stations	12/14/12	drainage ditch to Yellow Water River
78663	LAG750421	001	Exterior vehicle and equipment washwater	Happywoods Market & Deli	Food Stores	03/14/14	local drainage to Yellow Water Creek
78663	LAG750421	002	Treated sanitary wastewater	Happywoods Market & Deli	Food Stores	03/14/14	local drainage to Yellow Water Creek
83756	LAG540979	001	Treated sanitary wastewater	Mo-Dad Utilities LLC - Emerald Gardens Subdivision	Electric, Gas, And Sanitary Services	06/30/13	local drainage to Ponchatoula Creek
86145	LAG531185	001	Treated sanitary wastewater	Lamonica Apartments	Real Estate	11/30/12	Yellow Water River
86149	LAG531192	001	Treated sanitary wastewater	Greco Rentals	Real Estate	11/30/12	Yellow Water Creek
86946	LAG531202	001	Treated sanitary wastewater	Stein Road Apartments	Real Estate	11/30/12	unnamed ditch to Yellow Water River
86950	LAG532178	001	Treated sanitary wastewater	Country Oaks Apartments	Real Estate	11/30/12	roadside ditch into Yellow Water River
86951	LAG541525	001	Treated sanitary wastewater	Lakeview Apartments	Real Estate	06/30/13	Parish drainage ditch- Yellow Water River
86955	LAG541467	001	Treated sanitary wastewater	Waste Water Treatment System & Operations - Yorkshire Park II	Real Estate	06/30/13	local drainage into Yellow Water River
86959	LAG531209	001	Treated sanitary wastewater	Crystal Lake Apartments	Real Estate	11/30/12	Yellow Water River
86960	LAG532168	001	Treated sanitary wastewater	Alvarez Properties LLC - Tri-Way Apartments	Real Estate	11/30/12	Roadside ditch- Yellow Water River
86961	LAG533011	001	Treated sanitary wastewater	Collura Trailer 1&2 - Apartments	Real Estate	11/30/12	effluent pipe to local drainage ditch to Yellow Water Creek
86961	LAG533011	002	Treated sanitary wastewater	Collura Trailer 1&2 - Apartments	Real Estate	11/30/12	effluent pipe to local drainage ditch to Yellow Water Creek
86971	LAG531186	001	Treated sanitary wastewater	Lingo Mobile Home Park	Real Estate	11/30/12	Yellow Water River
86972	LAG531321	001	Treated sanitary wastewater	West View Apartments	Electric, Gas, And Sanitary Services	11/30/12	roadside ditch to Yellow Water River
86974	LAG560228	001	Treated sanitary wastewater	Tangi Mobile Home Park LLC	Real Estate	05/31/14	drainage canal to Yellow Water River

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86977	LAG541057	001	Treated sanitary wastewater	Sandra Apartments	Real Estate	06/30/13	Unnamed ditch- Yellow Water River
90335	LAG541044	001	Treated sanitary wastewater	Calloway RV & Campground - Calloway RV & Campground Facility	Amusement And Recreation Services	06/30/13	Yellow Water River
92403	LAG560217	001	Treated sanitary wastewater	Mo-Dad Utilities LLC - Azalea Woods Subdivision	Electric, Gas, And Sanitary Services	05/31/14	Yellow Water River to Ponchatoula Creek
93265	LAG541073	001	Treated sanitary wastewater	Chief Investments LLC - Seven Oaks Villas	Hotels, Camps, And Other Lodging Places	06/30/13	Yellow Water River
93359	LAG533612	001	Treated sanitary wastewater	R J Design LLC	Conveyors and Conveying Equipment	11/30/12	effluent pipe to drainage ditch on Hwy 55 to Yellow Water River
103326	LAG480295	001	Treated exterior vehicle wash wastewater	Grand Prix Car Wash	Automotive Repair, Services, And Parking	07/31/06	Local drainage- Yellow Water River
118149	LAG531561	001	Treated sanitary wastewater	R I Campground Holdings LLC	Electric, Gas, And Sanitary Services	11/30/12	roadside ditch to unnamed canal to Yellow Water River
119193	LAG531891	001	Treated sanitary wastewater	Salena Apartments	Real Estate	11/30/12	local drainage to Yellow Water River
119697	LA0119466	001	Treated sanitary wastewater	Tangipahoa Parish Sewer District # 1 - NW Hammond Treatment Facility	Nonclassifiable Establishments	08/31/11	parish drainage ditch to Yellow Water River to Lake Maurepas
119697	LAR10C504		Construction stormwater	Tangipahoa Parish Sewer District # 1 - NW Hammond Treatment Facility	Nonclassifiable Establishments	09/30/14	parish drainage ditch to Yellow Water River to Lake Maurepas
124107	LAG541236	001	Treated sanitary wastewater	Tangipahoa Parish Sewerage District #1 - Deer Creek Subdivision WWTP - Construction	Nonclassifiable Establishments	06/30/13	Unnamed ditch- unnamed slough- Yellow Water River- Ponchatoula Creek
129865	LAG532039	001	Treated sanitary wastewater	Franjo LLC - Franjo Apartments	Nonclassifiable Establishments	11/30/12	parish drainage to Yellow Water river
129926	LAG532038	001	Treated sanitary wastewater	Hollywood Estates South Apartments	Real Estate	11/30/12	roadside ditch to unnamed creek to Yellow Water River
132753	LAG570370	001	Treated sanitary wastewater	Mo-Dad Utilities LLC - Belle Foret IV Subdivision	Electric, Gas, And Sanitary Services	03/14/09	Unnamed ditch to Yellow Water River
134307	LAG570360	001	Treated sanitary wastewater	Mo-Dad Utilities LLC - Krogen Kove - STP	Real Estate	03/14/09	Unnamed ditch- unnamed creek- Yellow Water River- Ponchatoula Creek
136841	LAG532953	001	Treated sanitary wastewater	Ruth Cook Computer & Medical Schools Inc	Electric, Gas, And Sanitary Services	11/30/12	effluent pipe to unnamed ditch to Yellow Water Creek
136842	LAG533146	001	Treated sanitary wastewater	Brandon G Thompson Funeral Home Inc	Personal Services	11/30/12	Local drainage- Yellow Water River

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141207	LAG533315	001	Treated sanitary wastewater	Rosebrooks Apartments - Reliance Developments LLC	Electric, Gas, And Sanitary Services	11/30/12	effluent pipe to unnamed ditch to Yellow Water River
141218	LAG532158	001	Treated sanitary wastewater	Stanley's Apartments	Real Estate	11/30/12	ditch to roadside ditch to Yellow Water River
141219	LAG533288	001	Treated sanitary wastewater	Studio Lane Apartments	Real Estate	11/30/12	effluent pipe to Yellow Water river Branch to Yellow Water River
141264	LAG541813	001	Treated sanitary wastewater	Country Manor Apartments	Nonclassifiable Establishments	06/30/13	parish drainage ditch to Yellow Water River
141269	LAG533496	001	Treated sanitary wastewater	Starscape Inc - Twin Oaks Apartments	Nonclassifiable Establishments	11/30/12	effluent pipe to roadside ditch to parish drainage ditch to Yellow Water River
142790	LAG532151	001	Treated sanitary wastewater	Emile Joseph Mayeaux III - Magnolia Place Apartments	Real Estate	11/30/12	parish drainage ditch to unnamed ditch to Yellow Water river
142988	LAG541742	001	Treated sanitary wastewater	Pecan Grove Trailer Court PDA Brian Mayeaux - Pecan Grove Trailer Court	Nonclassifiable Establishments	06/30/13	Yellow Water Creek into Yellow Water River
149360	LAG533298	001	Treated sanitary wastewater	Hoover Family Dentistry LLC	Health Services	11/30/12	Highway ditch-unnamed tributary-Yellow Water River
149918	LAG532273	001	Treated sanitary wastewater	Eloise Tantillo - ET Apartments	Real Estate	11/30/12	unnamed ditch to unnamed creek to Yellow Water River
159461	LAG532959	001	Treated sanitary wastewater	Little Hands Preschool	Social Services	11/30/12	effluent pipe to unnamed ditch to Yellow Water Creek
159938	LAG541672	001	Treated sanitary wastewater	Density Utilities of Louis - Arbor Trace Subdivision Sewarge Treatment Facility	Electric, Gas, And Sanitary Services	06/30/13	unnamed ditch to parish drainage to Yellow Water river
160028	LAG533275	001	Treated sanitary wastewater	Ed's Plumbing Service	Business Services	11/30/12	local drainage to a Yellow Water River Branch
160028	LAG533275	002	Treated sanitary wastewater	Ed's Plumbing Service	Business Services	11/30/12	local drainage to a Yellow Water River Branch
160045	LAG533070	001	Treated sanitary wastewater	Binner Properties LLC – The Way Church	Real Estate	11/30/12	unnamed ditch to Yellow Water River
160046	LAG533071	001	Treated sanitary wastewater	Binner Properties LLC –Lifetouch	Real Estate	11/30/12	effluent pipe to Wardline Rd ditch to Yellow Water Creek
160047	LAG533072	001	Treated sanitary wastewater	Binner Properties LLC –Regiomantana	Real Estate	11/30/12	effluent pipe to Wardline Rd ditch to Yellow Water Creek
161271	LAG533027	001	Treated sanitary wastewater	Magnolia Place	Electric, Gas, And Sanitary Services	11/30/12	effluent pipe to unnamed ditch to Yellow Water Creek

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161673	LAG533035	001	Treated sanitary wastewater	Colton Giluso Rental Properties	Real Estate	11/30/12	unnamed ditch into Yellow Water River
162065	LAG533103	001	Treated sanitary wastewater	God's Tabernacle of Deliverance	Membership Organizations	11/30/12	roadside ditch to Yellow Water river Branch to Yellow Water river
162283	LAG533262	001	Treated sanitary wastewater	Tractor Supply Co #135 I	Nonclassifiable Establishments	11/30/15	effluent pipe to Hwy 190 ditch to Yellow Water River branch to Yellow Water River
162476	LAG533531	001	Treated sanitary wastewater	Pat Tantillo - Olivia's Place	Nonclassifiable Establishments	11/30/12	parish drainage ditch to Yellow Water river Branch to Yellow Water River
162476	LAG533531	002	Treated sanitary wastewater	Pat Tantillo - Olivia's Place		11/30/12	pipe to drainage ditch to Yellow Water River branch to Yellow Water River
162476	LAG533531	003	Treated sanitary wastewater	Pat Tantillo - Olivia's Place		11/30/12	pipe to drainage ditch to Yellow Water River branch to Yellow Water River
162908	LAG533081	001	Treated sanitary wastewater	Abundant Life Church	Real Estate	11/30/12	effluent pipe to unnamed ditch to Yellow Water River
164253	LAG533434	001	Treated sanitary wastewater	190 Motel	Hotels, Camps, And Other Lodging Places	11/30/12	Effluent pipe-0.03 miles into Yellow Water River
164467	LAG533220	001	Treated sanitary wastewater	Graphics on the Spot	Printing, Publishing, And Allied Industries	11/30/12	local drainage to a Yellow Water River branch to the Yellow Water River
166506	LAG533223	001	Treated sanitary wastewater	Carter Construction Unlimited LLC - Carter's Apartment Complex	Nonclassifiable Establishments	11/30/12	Parish drainage ditch-Ponchatoula Creek-Natalbany River
166556	LAR10F900		Construction stormwater	Tri-Way Rentals II Apartments - Vic Alvarez	Nonclassifiable Establishments	02/27/15	Roadside ditch on Herbert Kyzar- roadside ditch on Wardline Road- Yellow Water River
166812	LAG533253	001	Treated sanitary wastewater	Ken's Tropical Fish & Pet Supplies	Nonclassifiable Establishments	11/30/12	parish drainage ditch to Yellow Water River
167046	LAG533265	001	Treated sanitary wastewater	Little Debbie's Lounge	Eating And Drinking Places	11/30/12	LA Hwy 190 ditch to Yellow Water River
167277	LAG533395	001	Treated sanitary wastewater	Harold Wager - STP	Electric, Gas, And Sanitary Services	11/30/12	LA Hwy 190 ditch to Yellow Water River Branch to Yellow Water river
167734	LAG533293	001	Treated sanitary wastewater	PMC Machinery		11/30/12	effluent pipe to Hwy 190 W ditch to Natalbany River

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AI	Permit #	Outfall	Outfall type	Facility name	Facility type	Expiration date	Receiving waterbody
169070	LAG533370	001	Treated sanitary wastewater	Louisiana Real Estate Appraisers Board	Nonclassifiable Establishments	11/30/12	Effluent pipe-LA Highway 190 ditch-Yellow Water River Branch-Yellow Water River
169240	LAG533368	001	Treated sanitary wastewater	Real Estate - Notary Office - Timber Office	Nonclassifiable Establishments	11/30/12	LA HWY 190 ditch to Little Natabany Creek to Yellow Water River to Tangipahoa River
170874	LAG533622	001	Treated sanitary wastewater	BDD LLC		11/30/12	Drainage ditch to Yellow Water River
170958	LAG533525	001	Treated sanitary wastewater	Charter Communication	Communications	11/30/12	Effluent pipe-0.06 miles into an unnamed ditch-0.16 miles into Hwy 1040 ditch-Yellow Water River
171459	LAG533513	001	Treated sanitary wastewater	SAJA LLC - The Oak Apartments	Nonclassifiable Establishments	11/30/12	Unnamed drainage ditch-Yellow Water River
171614	LAG533542	001	Treated sanitary wastewater	Home Certification Services of LA Inc	Nonclassifiable Establishments	11/30/12	roadside ditch to Yellow Water River
171884	LAG533511	001	Treated sanitary wastewater	IBC Sales Corp - Holsum Depot	Nonclassifiable Establishments	11/30/12	unnamed canal to Yellow Water River
171929	LAG533519	001	Treated sanitary wastewater	Oak Villa Apartments	Nonclassifiable Establishments	11/30/12	unnamed canal to Yellow Water River
172291	LAG541823	001	Treated sanitary wastewater	Lake View Washateria/Laundromat	Personal Services	06/30/13	Local drainage-Yellow Water River
175843	LAG533741	001	Treated sanitary wastewater	Statewide Transportation - D&K Properties LLC		5/25/16	Drainage ditch to Yellow Water River

Table B-3. Terminated point source discharge permits for 040504

AI	Permit #	Facility name	Facility type	Expiration date
6316	LAG470297	Jones Glass & Radiator	Nonclassifiable Establishments	Terminated
22878	LAG480280	Tuthill Transfer Systems Inc	General Agency Interest	Terminated 06/01/11
27729	LAR10B224	Winn Dixie #9015	Food Stores	Terminated 06/24/2004
43484	LAG560133	Tangipahoa Parish Sewerage District #1 - Kintally STP	General Agency Interest	Terminated 1/20/06
84704	LAR10B240	Lowe's of Hammond 1070	Build.Matls., Hardware, And Garden Supply	Terminated 2/17/04
86978	LAG531240	Landing Condominiums 901	Real Estate	Terminated 12/3/10
142295	LAG830226	Former Speedway Store #9049	Auto dealers and gasoline service stations	Terminated 03/27/2007
157747	LAR10F085	RSC Hammond - KACO Constructors LLC	Nonclassifiable Establishments	Terminated 04/07/11
157849	LAR10F100	Kaco Inc - RSC Hammond - RS Hammond LA 1 LP	Nonclassifiable Establishments	Terminated 8/20/10
168787	LAR10G197	Hornbeck Offshore Warehouse Facility - Hornbeck Offshore Operators LLC - John S Cook	Nonclassifiable Establishments	Terminated 8/29/10

Appendix C: TDS Water Quality Data

Table C-1. Water quality observations for LDEQ station 116 in subsegment 040501.....	C-1
Table C-2. Water quality observations for LDEQ station 299 in subsegment 040504.....	C-7

Table C-1. Water quality observations for LDEQ station 116 in subsegment 040501.

Site	Collection Date	Result	Units
116	4/10/1978	34	ppm
116	5/8/1978	54	ppm
116	6/12/1978	34	ppm
116	7/10/1978	12	ppm
116	8/14/1978	50	ppm
116	9/11/1978	50	ppm
116	1/8/1979	42	ppm
116	10/13/1980	26	ppm
116	12/8/1980	34	ppm
116	1/12/1981	94	ppm
116	2/9/1981	58	ppm
116	3/9/1981	42	ppm
116	4/13/1981	48	ppm
116	5/11/1981	98	ppm
116	6/8/1981	94	ppm
116	7/13/1981	40	ppm
116	8/10/1981	52	ppm
116	9/14/1981	52	ppm
116	10/12/1981	20	ppm
116	11/16/1981	64	ppm
116	12/14/1981	26	ppm
116	1/11/1982	82	ppm
116	2/8/1982	78	ppm
116	3/8/1982	80	ppm
116	4/13/1982	56	ppm
116	5/11/1982	60	ppm
116	6/15/1982	67	ppm
116	8/10/1982	58	ppm
116	9/15/1982	49	ppm
116	10/11/1982	43	ppm
116	11/15/1982	45.5	ppm
116	12/14/1982	96	ppm
116	1/11/1983	43	ppm
116	2/7/1983	84	ppm
116	4/12/1983	67	ppm
116	5/9/1983	50	ppm
116	6/13/1983	69	ppm
116	7/11/1983	62	ppm
116	8/8/1983	80	ppm
116	9/12/1983	42	ppm
116	10/10/1983	61	ppm
116	11/14/1983	56	ppm
116	12/12/1983	38	ppm
116	1/9/1984	50	ppm
116	2/13/1984	100	ppm
116	3/14/1984	68	ppm
116	4/9/1984	110	ppm
116	5/14/1984	52	ppm

TMDLs for TDS for Selected Subsegments in the Lake Pontchartrain Basin, LA

Site	Collection Date	Result	Units
116	7/9/1984	58	ppm
116	9/10/1984	47	ppm
116	10/9/1984	56	ppm
116	11/13/1984	34	ppm
116	12/10/1984	58	ppm
116	1/14/1985	64	ppm
116	2/11/1985	113	ppm
116	3/11/1985	112	ppm
116	4/8/1985	71	ppm
116	5/13/1985	16	ppm
116	6/10/1985	35	ppm
116	7/8/1985	63	ppm
116	8/12/1985	62	ppm
116	9/9/1985	102	ppm
116	10/14/1985	50	ppm
116	12/9/1985	78	ppm
116	1/13/1986	84	ppm
116	2/18/1986	82	ppm
116	3/18/1986	62	ppm
116	4/15/1986	24	ppm
116	5/13/1986	30	ppm
116	7/15/1986	64	ppm
116	8/12/1986	40	ppm
116	9/9/1986	70	ppm
116	11/17/1986	88	ppm
116	12/8/1986	34	ppm
116	1/12/1987	66	ppm
116	2/16/1987	102	ppm
116	3/9/1987	18	ppm
116	4/13/1987	24	ppm
116	5/11/1987	90	ppm
116	7/13/1987	81	ppm
116	8/10/1987	87	ppm
116	9/14/1987	54	ppm
116	10/12/1987	30	ppm
116	11/16/1987	86	ppm
116	12/14/1987	35	ppm
116	1/11/1988	73	ppm
116	2/8/1988	66	ppm
116	3/14/1988	58	ppm
116	4/11/1988	62	ppm
116	5/9/1988	60	ppm
116	6/13/1988	58	ppm
116	7/11/1988	44	ppm
116	9/12/1988	42	ppm
116	10/10/1988	50	ppm
116	11/14/1988	56	ppm
116	12/12/1988	90	ppm
116	1/9/1989	130	ppm

TMDLs for TDS for Selected Subsegments in the Lake Pontchartrain Basin, LA

Site	Collection Date	Result	Units
116	2/13/1989	54	ppm
116	4/10/1989	80	ppm
116	5/8/1989	82	ppm
116	6/13/1989	68	ppm
116	7/11/1989	66	ppm
116	8/15/1989	50	ppm
116	9/12/1989	38	ppm
116	10/9/1989	78	ppm
116	11/13/1989	96	ppm
116	12/11/1989	24	ppm
116	1/8/1990	114	ppm
116	2/12/1990	76	ppm
116	3/12/1990	57	ppm
116	4/9/1990	78	ppm
116	5/14/1990	50	ppm
116	6/11/1990	68	ppm
116	7/9/1990	39	ppm
116	8/13/1990	57	ppm
116	9/10/1990	94	ppm
116	10/15/1990	47	ppm
116	11/13/1990	74	ppm
116	12/10/1990	34	ppm
116	1/14/1991	68	ppm
116	3/11/1991	58	ppm
116	5/13/1991	88	ppm
116	7/15/1991	82	ppm
116	9/9/1991	62	ppm
116	11/18/1991	64	ppm
116	1/6/1992	68	ppm
116	3/9/1992	14	ppm
116	5/11/1992	60	ppm
116	9/14/1992	62	ppm
116	11/16/1992	74	ppm
116	1/11/1993	86.1	ppm
116	3/8/1993	58	ppm
116	5/10/1993	62	ppm
116	7/12/1993	108	ppm
116	11/15/1993	80	ppm
116	1/10/1994	96	ppm
116	3/15/1994	64	ppm
116	5/9/1994	82	ppm
116	7/12/1994	94	ppm
116	9/13/1994	76	ppm
116	11/15/1994	4	ppm
116	1/10/1995	120	ppm
116	3/14/1995	106	ppm
116	5/8/1995	58	ppm
116	7/11/1995	34	ppm
116	9/11/1995	34	ppm

TMDLs for TDS for Selected Subsegments in the Lake Pontchartrain Basin, LA

Site	Collection Date	Result	Units
116	11/13/1995	50	ppm
116	1/9/1996	92	ppm
116	3/11/1996	10	ppm
116	5/13/1996	2	ppm
116	7/8/1996	120	ppm
116	9/9/1996	96	ppm
116	11/18/1996	98.1	ppm
116	1/6/1997	78	ppm
116	5/12/1997	66.1	ppm
116	9/8/1997	42.1	ppm
116	11/17/1997	42	ppm
116	1/13/1998	128	ppm
116	3/9/1998	92	ppm
116	5/11/1998	28.1	ppm
116	6/8/1998	47.9	ppm
116	7/13/1998	280	ppm
116	8/10/1998	24	ppm
116	9/14/1998	54	ppm
116	10/12/1998	124	ppm
116	11/16/1998	38	ppm
116	12/14/1998	50	ppm
116	1/12/1999	52	ppm
116	2/9/1999	43.9	ppm
116	3/9/1999	156	ppm
116	4/13/1999	60.1	ppm
116	5/11/1999	11.9	ppm
116	6/15/1999	45	ppm
116	7/13/1999	67	ppm
116	8/10/1999	98	ppm
116	9/14/1999	44	ppm
116	10/12/1999	92	ppm
116	11/8/1999	27	ppm
116	12/6/1999	27.5	ppm
116	1/3/2000	34	ppm
116	2/8/2000	29	ppm
116	3/14/2000	32	ppm
116	4/11/2000	64	ppm
116	5/9/2000	38	ppm
116	6/13/2000	36	ppm
116	7/11/2000	47	ppm
116	8/8/2000	39	ppm
116	9/12/2000	39	ppm
116	10/10/2000	34	ppm
116	10/31/2000	35	ppm
116	1/9/2001	52.7	ppm
116	2/13/2001	84	ppm
116	3/13/2001	56	ppm
116	4/9/2001	53.3	ppm
116	6/12/2001	54.7	ppm

TMDLs for TDS for Selected Subsegments in the Lake Pontchartrain Basin, LA

Site	Collection Date	Result	Units
116	7/17/2001	70	ppm
116	8/14/2001	62.5	ppm
116	9/10/2001	55.3	ppm
116	10/9/2001	44.7	ppm
116	11/6/2001	39.3	ppm
116	12/3/2001	47.3	ppm
116	4/9/2002	64.7	ppm
116	6/11/2002	47.3	ppm
116	3/19/2002	51.3	ppm
116	2/19/2002	38.7	ppm
116	5/14/2002	39.3	ppm
116	1/8/2002	67.3	ppm
116	10/14/2002	50	ppm
116	9/17/2002	38	ppm
116	1/21/2003	33.3	ppm
116	11/18/2002	47.3	ppm
116	12/9/2002	67.3	ppm
116	5/20/2003	35.3	ppm
116	8/13/2002	67.3	ppm
116	7/22/2003	61.3	ppm
116	2/18/2003	73.3	ppm
116	3/25/2003	52	ppm
116	9/23/2003	46	ppm
116	8/19/2003	48	ppm
116	4/22/2003	47.3	ppm
116	10/21/2003	47.3	ppm
116	12/16/2003	12	ppm
116	11/18/2003	36.7	ppm
116	6/24/2003	78	ppm
116	4/13/2004	52	ppm
116	3/9/2004	62	ppm
116	5/4/2004	76	ppm
116	1/6/2004	67.3	ppm
116	2/9/2004	80.7	ppm
116	7/27/2004	53.3	ppm
116	6/2/2004	64.7	ppm
116	6/29/2004	62	ppm
116	11/16/2004	45.3	ppm
116	2/2/2005	76	ppm
116	1/11/2005	70.7	ppm
116	8/24/2004	45.3	ppm
116	10/5/2004	41.3	ppm
116	10/19/2004	42.7	ppm
116	4/5/2005	64.7	ppm
116	7/9/2007	71.3	mg/L
116	3/1/2005	63.3	ppm
116	5/3/2005	48.7	ppm
116	6/7/2005	67.3	ppm
116	6/28/2005	48.7	ppm

TMDLs for TDS for Selected Subsegments in the Lake Pontchartrain Basin, LA

Site	Collection Date	Result	Units
116	7/12/2005	55.3	ppm
116	8/2/2005	61.3	ppm
116	6/10/1986	64	ppm
116	9/13/1993	78	ppm
116	1/10/2006	46	ppm
116	3/7/2006	58	ppm
116	3/21/2006	43.3	ppm
116	4/4/2006	46.7	ppm
116	2/7/2006	80.7	ppm
116	4/18/2006	39.3	ppm
116	5/1/2006	72.7	ppm
116	5/24/2006	40.7	ppm
116	7/16/2002	42.6	ppm
116	3/14/1983	73	ppm
116	3/14/1989	55	ppm
116	7/14/1997	79.9	ppm
116	7/31/2006	45.3	ppm
116	12/5/2000	53	ppm
116	7/13/1982	98	ppm
116	11/18/1985	64	ppm
116	8/8/1988	54	ppm
116	7/13/1992	90	ppm
116	3/10/1997	94	ppm
116	11/15/2006	72	mg/L
116	9/6/2006	42.7	mg/L
116	12/18/2006	44	mg/L
116	1/29/2007	76.7	mg/L
116	2/2/2010	102	mg/L
116	4/30/2007	60.7	mg/L
116	4/9/2007	52.7	mg/L
116	5/21/2007	48.7	mg/L
116	6/11/2007	46	mg/L
116	2/26/2007	50	mg/L
116	3/19/2007	49.3	mg/L
116	9/17/2007	52.7	mg/L
116	10/30/2007	52.7	mg/L
116	10/1/2007	40	mg/L
116	8/13/2007	50.7	mg/L
116	12/19/2007	41.3	mg/L
116	7/23/2007	66.7	mg/L
116	1/17/2008	84.7	mg/L
116	11/28/2007	34.7	mg/L
116	3/26/2008	40.7	mg/L
116	4/29/2008	33.3	mg/L
116	2/26/2008	70.7	mg/L
116	5/28/2008	49.3	mg/L
116	6/24/2008	42.7	mg/L
116	8/26/2008	60.7	mg/L
116	10/9/2008	41.3	mg/L

TMDLs for TDS for Selected Subsegments in the Lake Pontchartrain Basin, LA

Site	Collection Date	Result	Units
116	11/18/2008	36.7	mg/L
116	7/29/2008	38.7	mg/L
116	4/14/2009	105	mg/L
116	12/9/2008	36	mg/L
116	6/9/2009	47.5	mg/L
116	9/22/2009	47.5	mg/L
116	3/10/2009	60	mg/L
116	8/11/2009	57.5	mg/L
116	5/12/2009	65	mg/L
116	7/14/2009	45	mg/L
116	1/13/2009	70.7	mg/L
116	2/10/2009	46	mg/L
116	1/5/2010	65	mg/L
116	10/6/2009	97.5	mg/L
116	11/3/2009	57.5	mg/L
116	12/1/2009	20	mg/L
116	6/8/2010	50	mg/L
116	7/13/2010	22.5	mg/L
116	4/6/2010	25	mg/L
116	5/4/2010	10	mg/L
116	10/5/2010	15	mg/L
116	9/7/2010	30	mg/L
116	8/10/2010	87.5	mg/L

Table C-2. Water quality observations for LDEQ station 299 in subsegment 040504

Site	Collection Date	Result	Units
299	1/12/1998	162	ppm
299	3/9/1998	136	ppm
299	5/11/1998	138	ppm
299	6/29/1998	256	ppm
299	1/9/2001	216	ppm
299	2/13/2001	161	ppm
299	3/13/2001	88	ppm
299	4/9/2001	182	ppm
299	5/8/2001	494	ppm
299	6/12/2001	110	ppm
299	8/14/2001	142	ppm
299	9/10/2001	108	ppm
299	10/9/2001	194	ppm
299	11/6/2001	205	ppm
299	12/3/2001	177	ppm
299	1/14/1991	114	ppm
299	3/11/1991	222	ppm
299	5/13/1991	142	ppm
299	7/15/1991	254	ppm
299	9/9/1991	202	ppm
299	11/18/1991	346	ppm
299	1/6/1992	344	ppm
299	3/9/1992	94	ppm

TMDLs for TDS for Selected Subsegments in the Lake Pontchartrain Basin, LA

Site	Collection Date	Result	Units
299	5/12/1992	184	ppm
299	7/13/1992	218	ppm
299	9/14/1992	208	ppm
299	11/17/1992	202	ppm
299	1/11/1993	118	ppm
299	3/8/1993	134	ppm
299	5/10/1993	184	ppm
299	7/12/1993	140	ppm
299	9/13/1993	260	ppm
299	11/15/1993	240	ppm
299	1/10/1994	234	ppm
299	3/15/1994	176	ppm
299	5/9/1994	164	ppm
299	9/13/1994	178	ppm
299	11/15/1994	256	ppm
299	1/10/1995	194	ppm
299	3/13/1995	136	ppm
299	5/8/1995	192	ppm
299	7/11/1995	198	ppm
299	9/11/1995	232	ppm
299	11/13/1995	168	ppm
299	1/9/1996	286	ppm
299	3/11/1996	318	ppm
299	7/8/1996	242	ppm
299	9/9/1996	256	ppm
299	11/18/1996	234	ppm
299	1/6/1997	208	ppm
299	3/10/1997	178	ppm
299	5/12/1997	166	ppm
299	7/14/1997	104	ppm
299	9/8/1997	246	ppm
299	11/17/1997	178	ppm
299	5/13/1996	122	ppm
299	3/7/2006	20	ppm
299	3/21/2006	247	ppm
299	2/7/2006	179	ppm
299	1/10/2006	281	ppm
299	4/18/2006	294	ppm
299	5/1/2006	134	ppm
299	5/24/2006	314	ppm
299	4/4/2006	236	ppm
299	7/31/2006	192	ppm
299	7/12/1994	120	ppm
299	7/17/2001	179	ppm
299	11/15/2006	140	mg/L
299	9/6/2006	334	mg/l
299	12/18/2006	300	mg/L
299	2/2/2010	175	mg/L
299	1/5/2010	158	mg/L

TMDLs for TDS for Selected Subsegments in the Lake Pontchartrain Basin, LA

Site	Collection Date	Result	Units
299	10/6/2009	132	mg/L
299	11/3/2009	145	mg/L
299	12/1/2009	145	mg/L
299	3/2/2010	120	mg/L
299	6/8/2010	110	mg/L
299	7/13/2010	108	mg/L
299	5/4/2010	168	mg/L
299	4/6/2010	182	mg/L
299	9/7/2010	152	mg/L
299	8/10/2010	160	mg/L

APPENDIX D: TDS TMDL Calculation for Subsegments 040501 and 040504 in the Lake Pontchartrain Basin

Table D-1. TDS concentrations before and after reductions for subsegment 040501 station 116	D-2
Table D-2. TDS TMDL summary table for subsegment 040501	D-2
Table D-3. TDS concentrations before and after reductions for subsegment 040504 station 299	D-3
Table D-4. TDS TMDL summary table for subsegment 040504	D-5

Table D-1. TDS concentrations before and after reductions for subsegment 040501 station 116

Date	TDS concentration before reduction (mg/L)	TDS concentration after reduction (mg/L)	TDS loading before reduction (lb/d)	TDS loading after reduction (lb/d)
4/10/1978	34	6.679	158,080.028	31,051.434
5/8/1978	54	10.607	251,068.280	49,316.983
6/12/1978	34	6.679	158,080.028	31,051.434
7/10/1978	12	2.357	55,792.951	10,959.330
8/14/1978	50	9.821	232,470.630	45,663.873
9/11/1978	50	9.821	232,470.630	45,663.873
Most of the cells in this spreadsheet have been hidden for brevity.				
2/10/2009	46	9.036	213,872.979	42,010.763
1/5/2010	65	12.768	302,211.818	59,363.035
10/6/2009	97.5	19.152	453,317.728	89,044.552
11/3/2009	57.5	11.295	267,341.224	52,513.454
12/1/2009	20	3.929	92,988.252	18,265.549
6/8/2010	50	9.821	232,470.630	45,663.873
7/13/2010	22.5	4.420	104,611.783	20,548.743
4/6/2010	25	4.911	116,235.315	22,831.937
5/4/2010	10	1.964	46,494.126	9,132.775
10/5/2010	15	2.946	69,741.189	13,699.162
9/7/2010	30	5.893	139,482.378	27,398.324
8/10/2010	87.5	17.187	406,823.602	79,911.778

Table D-2. TDS TMDL summary table for subsegment 040501

Average water budget (mm/day)	2.509	
Subsegment area (acres)	207,706	
Calculated flow (cfs)	862.0	
Criterion (mg/L)	55.0	
Criterion as loading (lb/d)	255,718	
Wasteload allocation (lb/d)	2,586.83	
Percent reduction	80.4	
Point source flow (MGD)	5.64	
	Before reduction	After reduction
Average concentration (mg/L)	59.43	11.67
Average loading (lb/d)	276,298.7	54,273
TMDL (lb/d)	258,304.5	258,304.5

Table D-3. TDS concentrations before and after reductions for subsegment 040504 station 299

Date	TDS concentration before reduction (mg/L)	TDS concentration after reduction (mg/L)	TDS loading before reduction (lb/d)	TDS loading after reduction (lb/d)
1/12/1998	162	49.2	40,034	12,156
3/9/1998	136	41.3	33,609	10,205
5/11/1998	138	41.9	34,103	10,355
6/29/1998	256	77.7	63,264	19,210
1/9/2001	216	65.6	53,379	16,208
2/13/2001	161	48.9	39,787	12,081
3/13/2001	88	26.7	21,747	6,603
4/9/2001	182	55.3	44,977	13,657
5/8/2001	494	150.0	122,080	37,069
6/12/2001	110	33.4	27,184	8,254
8/14/2001	142	43.1	35,092	10,655
9/10/2001	108	32.8	26,690	8,104
10/9/2001	194	58.9	47,943	14,557
11/6/2001	205	62.2	50,661	15,383
12/3/2001	177	53.7	43,741	13,282
1/14/1991	114	34.6	28,172	8,554
3/11/1991	222	67.4	54,862	16,659
5/13/1991	142	43.1	35,092	10,655
7/15/1991	254	77.1	62,770	19,060
9/9/1991	202	61.3	49,920	15,158
11/18/1991	346	105.1	85,506	25,963
1/6/1992	344	104.5	85,011	25,813
3/9/1992	94	28.5	23,230	7,054
5/12/1992	184	55.9	45,471	13,807
7/13/1992	218	66.2	53,874	16,358
9/14/1992	208	63.2	51,402	15,608
11/17/1992	202	61.3	49,920	15,158
1/11/1993	118	35.8	29,161	8,855
3/8/1993	134	40.7	33,115	10,055
5/10/1993	184	55.9	45,471	13,807
7/12/1993	140	42.5	34,598	10,505
9/13/1993	260	78.9	64,253	19,510
11/15/1993	240	72.9	59,310	18,009
1/10/1994	234	71.1	57,828	17,559
3/15/1994	176	53.4	43,494	13,207
5/9/1994	164	49.8	40,529	12,306
9/13/1994	178	54.0	43,988	13,357
11/15/1994	256	77.7	63,264	19,210
1/10/1995	194	58.9	47,943	14,557
3/13/1995	136	41.3	33,609	10,205
5/8/1995	192	58.3	47,448	14,407
7/11/1995	198	60.1	48,931	14,858
9/11/1995	232	70.4	57,333	17,409
11/13/1995	168	51.0	41,517	12,606

TMDLs for TDS for Selected Subsegments in the Lake Pontchartrain Basin, LA

Date	TDS concentration before reduction (mg/L)	TDS concentration after reduction (mg/L)	TDS loading before reduction (lb/d)	TDS loading after reduction (lb/d)
1/9/1996	286	86.8	70,678	21,461
3/11/1996	318	96.6	78,586	23,862
7/8/1996	242	73.5	59,805	18,159
9/9/1996	256	77.7	63,264	19,210
11/18/1996	234	71.1	57,828	17,559
1/6/1997	208	63.2	51,402	15,608
3/10/1997	178	54.0	43,988	13,357
5/12/1997	166	50.4	41,023	12,456
7/14/1997	104	31.6	25,701	7,804
9/8/1997	246	74.7	60,793	18,459
11/17/1997	178	54.0	43,988	13,357
5/13/1996	122	37.0	30,149	9,155
3/7/2006	20	6.1	4,943	1,501
3/21/2006	247	75.0	61,040	18,534
2/7/2006	179	54.4	44,236	13,432
1/10/2006	281	85.3	69,442	21,086
4/18/2006	294	89.3	72,655	22,061
5/1/2006	134	40.7	33,115	10,055
5/24/2006	314	95.3	77,598	23,562
4/4/2006	236	71.7	58,322	17,709
7/31/2006	192	58.3	47,448	14,407
7/12/1994	120	36.4	29,655	9,005
7/17/2001	179	54.4	44,236	13,432
11/15/2006	140	42.5	34,598	10,505
9/6/2006	334	101.4	82,540	25,063
12/18/2006	300	91.1	74,138	22,512
2/2/2010	175	53.1	43,247	13,132
1/5/2010	158	48.0	39,046	11,856
10/6/2009	132	40.1	32,621	9,905
11/3/2009	145	44.0	35,833	10,881
12/1/2009	145	44.0	35,833	10,881
3/2/2010	120	36.4	29,655	9,005
6/8/2010	110	33.4	27,184	8,254
7/13/2010	108	32.8	26,690	8,104
5/4/2010	168	51.0	41,517	12,606
4/6/2010	182	55.3	44,977	13,657
9/7/2010	152	46.2	37,563	11,406
8/10/2010	160	48.6	39,540	12,006

Table D-4. TDS TMDL summary table for subsegment 040504

Average water budget (mm/day)	2.509	
Subsegment area (acres)	11,040	
Calculated flow (cfs)	45.8	
Criterion (mg/L)	150.0	
Criterion as loading (lb/d)	37,069	
Wasteload allocation (lb/d)	2,957	
Percent reduction	69.6	
Point source flow (MGD)	2.36	
	Before reduction	After reduction
Average concentration (mg/L)	192.27	58.38
Average loading (lb/d)	47,514.6	14,427.49
TMDL (lb/d)	40,025.59	40,025.59

APPENDIX E: TDS Wasteload Allocations for Point Sources in Subsegments 040501 and 040504 in the Lake Pontchartrain Basin

Table E-1. WLAs for active point source discharge permits in subsegment 040501.....E-1
Table E-2. WLAs for active point source discharge permits in subsegment 040504.....E-2

Table E-1. WLAs for active point source discharge permits in subsegment 040501

AI	Permit #	Facility name	Outfall	Flow type	Flow (gpd)	TDS WQ target (mg/L)	TDS (lb/d)
71	LA0111724	Gulf South Pipeline Co LP - Montpelier Compressor Station	002	Expected	1,410	55	0.647
2961	LA0121398	MCM Plastics Inc - Sterling Inc	001	Expected	1,440	55	0.661
6858	LA0051969	Griffin Industries Inc	001	Expected	17,000	55	7.803
18184	LAG540479	Holden High School	001	Expected	12,040	55	5.526
19437	LA0039179	Livingston Town of - Sewage District Plant #1	001	Design	300,000	55	137.699
19872	LA0071137	Amerchol Corp	001	Average	44,000	55	20.196
19872	LA0071137	Amerchol Corp	002	Average	50,000	55	22.950
19875	LA0056421	Weyerhaeuser NR Co - Holden Wood Products	001	Expected	2,100	55	0.964
19875	LA0056421	Weyerhaeuser NR Co - Holden Wood Products	001	Expected	2,800	55	1.285
19875	LAR05P075	Weyerhaeuser NR Co - Holden Wood Products		Not found		55	
23946	LAG531198	Bayou Railcar Services Inc	001	Expected	500	55	0.229
27615	LAR05M812	Action Oil Recovery Inc		Not found		55	
27615	LAR05M812	Action Oil Recovery Inc		Not found		55	
41640	LAG530225	Graceland Apartment Partnership	001	Expected	3,600	55	1.652
41661	LA0038243	Greensburg Town of - WWTP	001	Design	90,000	55	41.310
43363	LAG540671	St Helena Central Elementary School	001	Expected	12,885	55	5.914
43364	LAG540672	St Helena Central Middle School	001	Expected	11,200	55	5.141
74604	LAG750796	LADOTD - Greensburg Maintenance Unit	001	Not found		55	
84111	LAG541058	Lucky Magnolia Truck Plaza & Casino	001	Expected	10,000	55	4.590
86156	LAG490014	Kentwood Brick & Tile Co Inc - Greensburg Plant	001	Not found		55	
94326	LA0115894	Cal-Maine Farms Louisiana Complex - Cal-Maine Foods #52 is not included	001	Average	95,000	55	43.605
94326	LA0115894	Cal-Maine Farms Louisiana Complex - Cal-Maine Foods #52 is not included	002	Average	272,000	55	124.847
94326	LA0115894	Cal-Maine Farms Louisiana Complex - Cal-Maine Foods #52 is not included	004	Average	177,000	55	81.243
94326	LA0115894	Cal-Maine Farms Louisiana Complex - Cal-Maine Foods #52 is not included	006	Average	483,000	55	221.696
94326	LA0115894	Cal-Maine Farms Louisiana Complex - Cal-Maine Foods #52 is not included	007	Average	100,000	55	45.900
94326	LA0115894	Cal-Maine Farms Louisiana Complex - Cal-Maine Foods #52 is not included	008	Average	96,000	55	44.064
94326	LA0115894	Cal-Maine Farms Louisiana Complex - Cal-Maine Foods #52 is not included	009	Average	374,000	55	171.665
94326	LA0115894	Cal-Maine Farms Louisiana Complex - Cal-Maine Foods #52 is not included	010	Average	339,000	55	155.600
94326	LA0115894	Cal-Maine Farms Louisiana Complex - Cal-Maine Foods #52 is not included	012	Average	254,000	55	116.585
94326	LA0115894	Cal-Maine Farms Louisiana Complex - Cal-Maine Foods #52 is not included	013	Average	64,000	55	29.376
94326	LA0115894	Cal-Maine Farms Louisiana Complex - Cal-Maine Foods #52 is not included	014	Average	804,000	55	369.034
94326	LA0115894	Cal-Maine Farms Louisiana Complex - Cal-Maine Foods #52 is not included	015	Average	127,000	55	58.293
94326	LA0115894	Cal-Maine Farms Louisiana Complex - Cal-Maine Foods #52 is not included	016	Average	1,870,000	55	858.325
101455	LAG750433	A&A Car Wash	001	Not found		55	
111326	LAR05N421	LADOTD - Montpelier Maintenance Yard		Not found		55	
118113	LAG541356	Timothy J Cutrer LLC - Salem Street Mobile Home Court - WWTP	001	Expected	7,500	55	3.442

TMDLs for TDS for Selected Subsegments in the Lake Pontchartrain Basin, LA

AI	Permit #	Facility name	Outfall	Flow type	Flow (gpd)	TDS WQ target (mg/L)	TDS (lb/d)
154896	LAG532541	US Postal Service - Holden Post Office	001	Expected	160	55	0.073
163785	LAG541732	Bebo's Casino	001	Design	11,000	55	5.049
166585	LAG533233	J3 Investments LLC	001	Expected	3,200	55	1.469
168124	LAR10G118	Abita View Apartments - Abita View Apartments LLC		Not found		55	
172997	LAR10G680	Pike Electric Inc.		Not found		55	

Table E-2. WLAs for active point source discharge permits in subsegment 040504

AI	Permit #	Facility name	Outfall	Flow type	Flow (gpd)	TDS WQ target (mg/L)	TDS (lb/d)
10041	LAR05M009	Sanderson Farms Inc - Hammond Processing Plant	001	Average	1,500,000	150	1,877.717
10041	LAR05M009	Sanderson Farms Inc - Hammond Processing Plant	003	Average	22,000	150	27.540
10930	LAG470289	Fender Mender Paint & Body Shop	005	DMR	200	150	0.250
12026	LAG110225	Rogers Ready Mix Inc	005	Design	500	150	0.626
12026	LAG110225	Rogers Ready Mix Inc	006	Not found		150	
12026	LAG110225	Rogers Ready Mix Inc	003A	Not found		150	
12026	LAG110225	Rogers Ready Mix Inc	003B	Not found		150	
18546	LAG540565	Mo-Dad Utilities LLC - Pine Hill Subdivision	001	Expected	500	150	0.626
19094	LAG540623	Rosewood Mobile Home Park	001	DMR	33,120	150	41.460
19580	LA0077984	Electroless Nickel Plating of Louisiana Inc	001	Average	350	150	0.438
19580	LA0077984	Electroless Nickel Plating of Louisiana Inc	002	Expected	0	150	0.000
19580	LA0077984	Electroless Nickel Plating of Louisiana Inc	003	Not found		150	
19580	LA0077984	Electroless Nickel Plating of Louisiana Inc	004	Not found		150	
19580	LA0077984	Electroless Nickel Plating of Louisiana Inc	005	Not found		150	
22203	LAG560076	Tangi Village Apartments	001	Average	27,500	150	34.425
23688	LAG470288	Rocky's Body Shop	005	Design	1,000	150	1.252
27264	LAG533476	BDD LLC	001	Average	40	150	0.050
42309	LAG560022	Lionsway LLC - Lions Way Apartments	001	Expected	24,000	150	30.043
42309	LAG560022	Lionsway LLC - Lions Way Apartments	002	Expected	12,600	150	15.773
43482	LAG570140	Tangipahoa Parish Sewerage District #1 - Tillman Park Subdivision STP	001	Design	50,000	150	62.591
43998	LAG540795	Woodland Town Home Subdivision	001	Expected	540	150	0.676
68833	LAG750800	Jeff's Grocery	001	Expected	300	150	0.376
68833	LAG750800	Jeff's Grocery	002	Expected	957	150	1.198
73850	LAG532246	Ryan's Convenience Store & Deli	001	Design	2,000	150	2.504
74009	LAG830225	Former Pilot Store #80	001	Average	4,300	150	5.383
78663	LAG750421	Happywoods Market & Deli	001	Not found		150	
78663	LAG750421	Happywoods Market & Deli	002	DMR	1,549	150	1.939
83756	LAG540979	Mo-Dad Utilities LLC - Emerald Gardens Subdivision	001	Design	25,000	150	31.295
86145	LAG531185	Lamonica Apartments	001	Expected	0	150	0.000
86149	LAG531192	Greco Rentals	001	Expected	1,600	150	2.003
86946	LAG531202	Stein Road Apartments	001	Expected	1,200	150	1.502
86950	LAG532178	Country Oaks Apartments	001	Expected	1,750	150	2.191
86951	LAG541525	Lakeview Apartments	001	Average	10,300	150	12.894
86955	LAG541467	Waste Water Treatment System & Operations - Yorkshire	001	Expected	18,000	150	22.533

TMDLs for TDS for Selected Subsegments in the Lake Pontchartrain Basin, LA

AI	Permit #	Facility name	Outfall	Flow type	Flow (gpd)	TDS WQ target (mg/L)	TDS (lb/d)
		Park II					
86959	LAG531209	Crystal Lake Apartments	001	Average	3,000	150	3.755
86960	LAG532168	Alvarez Properties LLC - Tri-Way Apartments	001	Average	4,500	150	5.633
86961	LAG533011	Collura Trailer 1&2 - Apartments	001	Average	800	150	1.001
86961	LAG533011	Collura Trailer 1&2 - Apartments	002	Average	120	150	0.150
86971	LAG531186	Lingo Mobile Home Park	001	Expected	1,800	150	2.253
86972	LAG531321	West View Apartments	001	Expected	3,500	150	4.381
86974	LAG560228	Tangi Mobile Home Park LLC	001	Average	40,500	150	50.698
86977	LAG541057	Sandra Apartments	001	Average	6,300	150	7.886
90335	LAG541044	Calloway RV & Campground - Calloway RV & Campground Facility	001	Average	9,950	150	12.456
92403	LAG560217	Mo-Dad Utilities LLC - Azalea Woods Subdivision	001	Expected	36,800	150	46.067
93265	LAG541073	Chief Investments LLC - Seven Oaks Villas	001	Average	8,550	150	10.703
93359	LAG533612	R J Design LLC	001	Average	0	150	0.000
103326	LAG480295	Grand Prix Car Wash	001	Expected	500	150	0.626
118149	LAG531561	R I Campground Holdings LLC	001	Expected	2,400	150	3.004
119193	LAG531891	Salena Apartments	001	Design	2,500	150	3.130
119697	LA0119466	Tangipahoa Parish Sewer District # 1 - NW Hammond Treatment Facility	001	Design	300,000	150	375.543
119697	LAR10C504	Tangipahoa Parish Sewer District # 1 - NW Hammond Treatment Facility		Not found		150	
124107	LAG541236	Tangipahoa Parish Sewerage District #1 - Deer Creek Subdivision WWTP - Construction	001	Average	8,800	150	11.016
129865	LAG532039	Franjo LLC - Franjo Apartments	001	Design	3,000	150	3.755
129926	LAG532038	Hollywood Estates South Apartments	001	Expected	1,500	150	1.878
132753	LAG570370	Mo-Dad Utilities LLC - Belle Foret IV Subdivision	001	Average	69,600	150	87.126
134307	LAG570360	Mo-Dad Utilities LLC - Krogen Kove - STP	001	Average	31,600	150	39.557
136841	LAG532953	Ruth Cook Computer & Medical Schools Inc	001	Design	1,000	150	1.252
136842	LAG533146	Brandon G Thompson Funeral Home Inc	001	Design	1,500	150	1.878
141207	LAG533315	Rosebrooks Apartments - Reliance Developments LLC	001	Design	3,000	150	3.755
141218	LAG532158	Stanley's Apartments	001	Expected	1,650	150	2.065
141219	LAG533288	Studio Lane Apartments	001	Expected	250	150	0.313
141264	LAG541813	Country Manor Apartments	001	Expected	10,450	150	13.081
141269	LAG533496	Starscape Inc - Twin Oaks Apartments	001	Expected	3,000	150	3.755
142790	LAG532151	Emile Joseph Mayeaux III - Magnolia Place Apartments	001	Expected	3,600	150	4.507
142988	LAG541742	Pecan Grove Trailer Court PDA Brian Mayeaux - Pecan Grove Trailer Court	001	Average	6,800	150	8.512
149360	LAG533298	Hoover Family Dentistry LLC	001	Design	1,500	150	1.878
149918	LAG532273	Eloise Tantillo - ET Apartments	001	Design	5,000	150	6.259
157747	LAR10F085	RSC Hammond - KACO Constructors LLC		Not found		150	
159461	LAG532959	Little Hands Preschool	001	Expected	1,070	150	1.339
159938	LAG541672	Density Utilities of Louis - Arbor Trace Subdivision Sewerage Treatment Facility	001	Expected	10,400	150	13.019
160028	LAG533275	Ed's Plumbing Service	001	Average	400	150	0.501
160028	LAG533275	Ed's Plumbing Service	002	Average	500	150	0.626
160045	LAG533070	Binner Properties LLC - The Way Church	001	Expected	340	150	0.426
160046	LAG533071	Binner Properties LLC -Lifetouch	001	Expected	0	150	0.000
160047	LAG533072	Binner Properties LLC -Regiomantana	001	Average	0	150	0.000



TMDLs for TDS for Selected Subsegments in the Lake Pontchartrain Basin, LA

AI	Permit #	Facility name	Outfall	Flow type	Flow (gpd)	TDS WQ target (mg/L)	TDS (lb/d)
161271	LAG533027	Magnolia Place	001	Design	1,000	150	1.252
161673	LAG533035	Colton Giluso Rental Properties	001	Average	2,500	150	3.130
162065	LAG533103	God's Tabernacle of Deliverance	001	Expected	610	150	0.764
162283	LAG533262	Tractor Supply Co #135 I	001	Design	2,500	150	3.130
162476	LAG533531	Pat Tantillo - Olivia's Place	001	Design	2,500	150	3.130
162476	LAG533531	Pat Tantillo - Olivia's Place	002	Design	3,500	150	4.381
162476	LAG533531	Pat Tantillo - Olivia's Place	003	Expected	1,500	150	1.878
162908	LAG533081	Abundant Life Church	001	Design	1,000	150	1.252
164253	LAG533434	190 Motel	001	Average	1,640	150	2.053
164467	LAG533220	Graphics on the Spot	001	Expected	440	150	0.551
166506	LAG533223	Carter Construction Unlimited LLC - Carter's Apartment Complex	001	Average	1,200	150	1.502
166556	LAR10F900	Tri-Way Rentals II Apartments - Vic Alvarez		Not found		150	
166812	LAG533253	Ken's Tropical Fish & Pet Supplies	001	Design	500	150	0.626
167046	LAG533265	Little Debbie's Lounge	001	Expected	875	150	1.095
167277	LAG533395	Harold Wager - STP	001	Design	1,000	150	1.252
167734	LAG533293	PMC Machinery	001	Design	500	150	0.626
169070	LAG533370	Louisiana Real Estate Appraisers Board	001	Average	20	150	0.025
169240	LAG533368	Real Estate - Notary Office - Timber Office	001	Average	40	150	0.050
170874	LAG533622	BDD LLC		Expected	700	150	0.876
170958	LAG533525	Charter Communication	001	Average	40	150	0.050
171459	LAG533513	SAJA LLC - The Oak Apartments	001	Average	1,200	150	1.502
171614	LAG533542	Home Certification Services of LA Inc	001	Average	60	150	0.075
171884	LAG533511	IBC Sales Corp - Holsum Depot	001	Average	180	150	0.225
171929	LAG533519	Oak Villa Apartments	001	Design	4,000	150	5.007
172291	LAG541823	Lake View Washateria\Laundromat	001	Average	8,400	150	10.515
175843	LAG533741	Statewide Transportation - D&K Properties LLC		Expected	500	150	0.626

Red bold target = existing permit limit

APPENDIX F:
Original Public Comment Letters



State of Louisiana
DEPARTMENT OF ENVIRONMENTAL QUALITY
ENVIRONMENTAL SERVICES

December 21, 2011

Mrs. Diane Smith (6WQ)
Water Quality Protection Division
U. S. Environmental Protection Agency, Region 6
1445 Ross Avenue
Dallas, TX 75202-2733

RE: Comments on Federal Register: December 12, 2011 (Volume 76, Number 238) [FRC-9505-4]
Clean Water Act Section 303(d): TMDLs for Mercury, Total Dissolved Solids (TDS), Total
Suspended Solids, Sediment, Turbidity, and Fecal Coliform Bacteria for Selected Subsegments in
the Lake Pontchartrain Basin

Dear Mrs. Smith:

The Louisiana Department of Environmental Quality hereby submits comments on the TMDLs prepared for EPA Region 6 for TMDLs for Mercury in Selected Subsegments in the Lake Pontchartrain Basin, Louisiana (Subsegments 040303, 040401, 040403, 040501, 040701, 040801, 040905, 040906); TMDLs for Total Dissolved Solids (TDS) for Selected Subsegments in the Lake Pontchartrain Basin, Louisiana (Subsegments 040501 and 040504); TMDLs for Total Suspended Solids, Sediment, and Turbidity for Selected Subsegments in the Lake Pontchartrain Basin, Louisiana (Subsegments 040301, 040401, and 040903); and DRAFT TMDLs for Fecal Coliform Bacteria for Selected Subsegments in the Lake Pontchartrain Basin (040102, 040103, 040201, 040302, 040304, 040305, 040503, 040504, 040505, 040603, 040703, 040909, 040910, 041302, 041401).

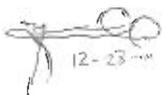
LDEQ appreciates the opportunity that EPA provided for review of these draft TMDLs.

If you have any questions or comments, please contact Mr. William C. Berger, Jr. of my staff at 225-219-3366.

Sincerely,


12-22-11

William C. Berger, Jr., P.E.
TMDL/Water Quality Manager


12-23-11

Attachment

Ec with attachment:

Melvin Mitchell, LDEQ

Yvonne Baker, LDEQ

Claudia Hosch, EPA (6WQ)

Richard Wooster, EPA (6SF)

Brian Mueller, EPA (6WQ)

LDEQ Comments Concerning the following TMDLs submitted to EPA by Tetra Tech:

TMDLs for Mercury in Selected Subsegments in the Lake Pontchartrain Basin, Louisiana (Subsegments 040303, 040401, 040403, 040501, 040701, 040801, 040905, 040906)

By – Tetra Tech, Inc., November 2, 2011

General Comments

- LDEQ will be responsible for the implementation of this TMDL and future updates to this TMDL. Therefore, LDEQ requests that complete documentation, including all appendices be provided to LDEQ upon approval of the TMDL.
- LDEQ recommends that before reducing the allocation of any point source discharge, either to air or to surface waters, it should be determined that the point source, alone or in combination with other dischargers, has a significant impact on mercury levels in the surface waters of a watershed or in the coastal waters.
- LDEQ noticed that the data presented in this TMDL does not evaluate the percent of total mercury loading to the referenced subsegments that is from Louisiana sources, either by point source or atmospheric deposition. What percent of the loading is from LA sources? What percent of LA contribution is from point sources?
- It was assumed that a linear relationship exists between fish tissue concentration and methyl mercury concentrations in the water column. This relationship is variable and does not strongly support these TMDLs. Studies of the fish tissue concentrations of mercury in fresh water species does not indicate a linear relationship between water column or sediment concentrations and fish tissue concentrations. These relationships are likely to be complex and difficult to determine.
- Louisiana does not agree that fish tissue data should be used in the development of in-stream water quality based TMDLs. In-stream water quality does not directly correlate to fish tissue values due to the fact that mercury (methyl mercury) accumulates in different species at different rates. Accumulation may occur over long periods of time and as a result, older fish may contain higher levels of mercury.

Specific Comments

- Section 2.5 Point Sources, Table 2-4, page 2-5: LDEQ requests that the EPA add a note at the end of Table 2-4 to say “Note b. Only facilities that demonstrate a reasonable potential to discharge mercury may be required to develop a mercury minimization program or received a mercury limit or monitoring requirement.”

- Page ii, Table ES-2: LDEQ has reviewed the calculations and determined there were some errors. LDEQ recommends that EPA correct the values provided as the sum of the WLAs (Σ WLAs) for subsegments 040701 and 040801 to match the values provided in Table 4-1, page 4-3.

TMDLs for Total Dissolved Solids (TDS) for Selected Subsegments in the Lake Pontchartrain Basin, Louisiana (Subsegments 040501 and 040504)

By – Tetra Tech, Inc., November 2, 2011

General Comments:

- LDEQ will be responsible for the implementation of this TMDL and future updates to this TMDL. Therefore, LDEQ requests that complete documentation, including all appendices be provided to LDEQ upon approval of the TMDL.
- LDEQ requests that the phased approach should not be used for this TMDL. Please remove the phased approach and keep the following statements in Section 4.2.1, “To avoid any unnecessary permitting process or unintended monitoring requirements for a number of sources that may not be discharging the pollutants of concern, LDEQ will review these WLAs during the permitting process on a case-by-case basis. LDEQ will determine if a permit limit is appropriate or if the permittee reasonably could cause or contribute to a water quality violation (with LDEQ ensuring that the goals of the TMDL are still being met.”
- Remove any references to chloride and sulfate since this TMDL is a TDS TMDL. It is not a Chloride, Sulfate and TDS TMDL.

Specific Comments:

- Section 4.2 states, “To be conservative, the facilities were assigned WLAs using a water quality target, and no point source has been given a reduction from that level.” However, please be aware that the WLA established in the TMDL is a reduction from estimated discharge values.
- Delete Section 5.2, Phased LDEQ TMDL Approach.
- **NOTE:** If phased implementation remains in the TMDL report, please adjust the following:
 1. Section 5.2.1, 1, delete chlorides and sulfates from the first sentence. It should read: New discharges of TDS loads.
 2. Section 5.2.1, 1, second sentence should read: However, before the subsequent renewal of each permit, an assessment of TDS monitoring data from

designated outfalls could be conducted to determine if permit limits are appropriate during Phase I.

3. Section 5.2.1, 1, third sentence should read: Permit limits will be established on the basis of regulatory guidelines and in accordance with LDEQ's *Permitting Guidance Document for Implementing Louisiana Surface Water Quality Standards*, WQMP Volume 3 and LAC33:IX.1115.C.8 (LDEQ 2008)
 4. Section 5.2.1, 1, last sentence should read: Applicable General Permit schedules will be updated to meet the requirements of the TMDL upon the first renewal of each series following the TMDL approval date. Examples of facility outfalls that may be considered are provided below.
 5. Section 5.2.1, 1.a, second sentence: Where are the reference values?
 6. Section 5.2.1, 2, second sentence should read: Permit limits will be established on the basis of regulatory guidelines and in accordance with LDEQ's *Permitting Guidance Document for Implementing Louisiana Surface Water Quality Standards*, WQMP Volume 3 (LDEQ 2008) and LAC33:IX.1115.C.8 (LDEQ 2008).
- A review of LDEQ's TEMPO database indicated the following information in items 1 and 2 below. **These items should be reviewed and considered in the TMDL. After reviewing these items and revising the TMDL as needed, the WLA tables in Appendix D should be adjusted accordingly.**
 1. Table D-1. Subsegment 040501 Facility List
 - a. AI 18546, Mo-Dad Utilities, LLC – Pine Hill Subdivision is not included.
 - b. AI 43472, Sumner High School is not included.
 - c. AI 94326, Cal-Maine Farms Louisiana Complex - Cal-Maine Foods #52 is not included (Outfalls 002, 004, 006-016).
 - d. AI 27615, Action Oil Recovery Inc is not active.
 2. Table D-2. Subsegment 040504 Facility List
 - 2.1 The following facility is listed in Table D-2, but may not be located within Subsegment 040504. It should be evaluated and adjusted accordingly.
 - a. AI 157747, RSC Hammond – KACO Constructors LLC – Permit terminated on 2/14/2010.
 - 2.2 The following facilities are not listed Table D-2, but are in Subsegment 040504:
 - a. AI 19580, Electroless Nickel Plating of Louisiana Inc; Outfall 002 is not included
 - b. AI 42309, Lionsway LLC - Lions Way Apartments (Outfalls 001-002)
 - c. AI 43998, Woodland Town Home Subdivision
 - d. AI 73850, Ryan's Convenience Store & Deli
 - e. AI 86145, Lamonica Apartments
 - f. AI 86961, Collura Trailer 1&2 - Apartments
 - h. AI 93359, R J Design LLC
 - i. AI 141219, Studio Lane Apartments

- j. AI160045, Binner Properties LLC - The Way Church
- k. AI 160046, Binner Properties LLC - Lifetouch
- l. AI 160047, Binner Properties LLC – Regiomantana
- m. AI 162283, Tractor Supply Co #1351
- n. AI 162476, Pat Tantillo - Olivia's Place (Outfalls 002-003)
- o. AI 162908, Abundant Life Church
- p. AI 164502, Rocky's Body Shop
- q. AI 166812, Ken's Tropical Fish & Pet Supplies
- r. AI 167734, PMC Machinery

DRAFT TMDLs for Total Suspended Solids, Sediment, and Turbidity for Selected Subsegments in the Lake Pontchartrain Basin, Louisiana (Subsegments 040301, 040401, and 040903)

By – Tetra Tech, Inc., September 30, 2011

General Comments

- The LDEQ will be responsible for the implementation of this TMDL and future updates to this TMDL. Therefore, LDEQ requests that complete documentation, including all appendices, notes documenting assumptions, and live spreadsheets be provided to the LDEQ upon approval of the TMDL.
- LDEQ objects to establishing a TMDL for a constituent which does not have a numerical water quality criterion such as TSS. LDEQ object to the use of a surrogate parameter to develop a TMDL “endpoint” for parameters for which LDEQ does not have numerical criteria.

Specific Comments:

- Section 1. Introduction, Table 1-1 Section 303(d) listing information for subsegments included in this report, Page 1-2: The 2010 303(d) lists Subsegment 040401 as being impaired for both the FWP and ONR designated uses with Turbidity being the suspected cause of impairment. The suspected sources are Drainage/Filling/Loss of Wetlands and Site Clearance (Land Development or Redevelopment). It also lists Sedimentation/Siltation as a suspected cause of impairment for the ONR designated use in Subsegment 040401. However Table 1-1 shows sediment as the impairment for both the ONR and FWP designated used. Table 1-1 should be corrected to properly indicate the impairments for Subsegment 040401, as listed in the 2010 303(d) list.
- Section 2.4 Hydrologic Setting, second paragraph, page 2-5: Documentation of the Max Forbes personal communication cited in the second paragraph should be provided in the appendices of the report. This documentation should include calculation made by Max Forbes.
- Table 2-5 Active point source discharge permit information for 040301, page 2-11: The table does not include AI# 19894 Cambridge Partnership and AI# 76494

Romero's Food Mart #2. The table should be corrected to show all active facilities in Subsegment 040301, including AI# 19894 and AI# 76494.

- Table 2-6 Active point source discharge permit information for 040401, page 2-11. The table does not include AI# 1276 LA Sugar Refinery and AI# 38152 Martin Subdivision. The table should be corrected to show all active facilities in Subsegment 040401, including the AI# 1276 and AI# 38152.
- Section 4.1.1 Regression Analysis of Turbidity and TSS in Subsegment 040301, page 4-1 and Section 4.1.2 Regression Analysis of Turbidity and TSS in Subsegment 040401, page 4-2 and Section 4.1.3 Regression Analysis of Turbidity and TSS in Subsegment 040903, page 4-3- EPA/FTN used weak correlations between TSS and turbidity to develop linear regression equations. The R^2 values associated with the correlations would be considered unacceptable for any valid scientific analysis. From turbidity's numeric criteria, these equations were used to determine numeric criteria for TSS (resulting in EPA assigning numeric criteria for TSS to Louisiana streams, which conflicts with LDEQ's regulatory intentions). LDEQ takes exception to EPA's continued use of a TMDL "endpoint" in the absence of promulgated water quality criteria. TMDL's seriously impact both point and nonpoint sources and as such should not be capriciously developed for substances for which no numerical water quality criteria exists. While the methodology used for developing the endpoint is the methodology LDEQ uses for establishing water quality criteria, use of this number as the basis for a TMDL without promulgation is unacceptable.
- Appendix C TSS TMDL Calculations for Selected Subsegments in the Lake Pontchartrain Basin, Table C-2 Lead TMDL summary table for subsegment 040301: The title of the table appears to be incorrect. It should be changed to "TSS TMDL summary table for subsegment 040301".
- Appendix C TSS TMDL Calculations for Selected Subsegments in the Lake Pontchartrain Basin, Table C-4 Lead TMDL summary table for subsegment 040401: The title of the table appears to be incorrect. It should be changed to "TSS TMDL summary table for subsegment 040401".
- Appendix C TSS TMDL Calculations for Selected Subsegments in the Lake Pontchartrain Basin, Table C-6 Lead TMDL summary table for subsegment 040903: The title of the table appears to be incorrect. It should be changed to "TSS TMDL summary table for subsegment 040903".
- Appendix C TSS TMDL Calculations for Selected Subsegments in the Lake Pontchartrain Basin, Table C-6 Lead TMDL summary table for subsegment 040903: The title of the table appears to be incorrect. It should be changed to "TSS TMDL summary table for subsegment 040903".

DRAFT TMDLs for Fecal Coliform Bacteria for Selected Subsegments in the Lake Pontchartrain Basin (040102, 040103, 040201, 040302, 040304, 040305, 040503, 040504, 040505, 040603, 040703, 040909, 040910, 041302, 041401)

LDEQ has reviewed the report and has no additional comments at this time.

January 6, 2012

Diane Smith
Environmental Protection Specialist
Water Quality Protection Division
U.S. Environmental Protection Agency, Region 6
1445 Ross Ave., Dallas, TX 75202-2733

RE: DRAFT TMDLs for Total Dissolved Solids in Selected Subsegments in the Lake Pontchartrain Basin, Louisiana (040501 and 040504)

Dear Ms. Smith,

The Lake Pontchartrain Basin Foundation (LPBF) has reviewed the above referenced document and would like to submit the following comments into the public record.

The above-referenced draft TMDL proposes total dissolved solids (TDS) reductions for the Tickfaw River (040501) and Yellow Water River (040504) watersheds.

1) Potential TDS sources are defined as land development issues yet wastewater plants are given limits in these TMDLs

In the introduction, the TMDL states that from the 2010 draft Impaired Waterbodies List: "Suspected causes of the TDS impairment in subsegment 040501 are *drainage/filling/loss of wetlands*. Suspected causes of the TDS impairment in subsegment 040504 are *drought-related impacts and site clearance (land development or redevelopment)*." Section 2.5.2 discusses each of these in more detail.

However, given this, these TMDLs list wastewater treatment plants as point sources, even though they are NOT one of the suspected causes of impairment. The TMDLs seek to place TDS limits on all wastewater treatment plants in the two watersheds. No justification is presented to show that wastewater treatment plants contribute significantly to the TDS load. LPBF assists small wastewater treatment plants on a daily basis and to the best of our knowledge, no wastewater treatment plants currently test for total dissolved solids. We are also not aware of a process that will reduce TDS, especially in small plants. ***Small wastewater treatment plants are not listed as a suspected cause of impairment, it is incorrect and unfair to put TDS limits on them.***

LPBF recommends that these TMDLs focus on the suspected causes of impairments given in the Impaired Waterbodies List. The TMDL acknowledges that these parishes are rapidly developing and that land clearing and site development are suspected sources of impairment. The TMDL should focus on the enforcement of regulations in regard to these activities. Unfortunately, the parishes and state have been less than vigilant on stormwater issues. The photographs below show a development in Tangipahoa Parish with no stormwater BMPs and the impact on the adjacent stream.

Construction Site with no BMPs (in Tangipahoa Parish)



Adjacent Stream



2) Influence of groundwater (as the potable water) on TDS

In Section 2.5.1, the TMDL states “Groundwater quality analysis in a nearby subsegment (040201) within the Lake Pontchartrain has indicated significant concentrations of TDS (LDEQ 2011a). Potable water used by homes, businesses, and public agencies is sent to sewage treatment plants, which are then responsible for treating the additional pollutant loadings.” Groundwater is the only source of potable water in these two watersheds. While the TMDL acknowledges that the use of groundwater is a likely source of the high TDS, no quantifications are made as to the potential input from this source.

LPBF recommends that the groundwater be analyzed for similarity with the stream water. Preliminary analyses performed by LPBF and Southeastern Louisiana University have found that the groundwater and stream water are similar in character, indicating that the groundwater is present in the streams. In particular, Yellow Water River is a small river in the heart of the City of Hammond. It is densely populated, all potable water is groundwater, and many businesses and homes are on individual wastewater treatment plants. LPBF testing has shown that the character of Yellow Water and Ponchatoula Creek (into which Yellow Water River flows) are quite different from other streams in the area due to the dense groundwater use and discharge.

3) Clear-cutting in Yellow Water and excess erosion

Tangipahoa Parish practices stream clear cutting for drainage purposes. Stream beds and banks are scraped to the exposed soil and are not covered with anything. This has occurred in Yellow Water River and likely contributes to the continually increased TDS. LPBF has spoken with Tangipahoa Parish, its contractors, and the Louisiana Department of Environmental Quality (LDEQ) about this practice but there has not been a change as of yet. LPBF would like to see this stream clearing practice addressed in the TMDL.

Yellow Water River cleared



4) Using monthly/daily discharge when flow data is available

Even though there are multiple USGS stream gauges on the Tickfaw River, the TMDL utilized monthly/daily discharge data (calculated from climate records) in the TMDL. The justification for this is that the river is tidal. The very downstream portion of the river is tidal, but the vast majority of it is not. If monthly discharge is going to be used, LPBF recommends calculations showing its correlation to the well-established flow data. Is monthly/daily discharge an acceptable surrogate for flow data?

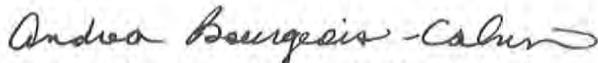
5) Phased Approach?

The TMDLs state that the phased approach will be utilized for implementation. LDEQ instituted the phased TMDL implementation approach for the dissolved oxygen (D.O.) in southern Louisiana waterways. In the phased approach, waterways are assumed to meet the national 5 mg/l D.O. standard until a "Use Attainability Analysis" (UAA) can be performed. In the UAA's summer D.O. is measured in pristine streams, bayous, and wetlands so that an accurate assessment of summer D.O. levels can be made for these unique environments. This has already been performed in the Barataria Basin and is being performed in the Pontchartrain Basin. Based on the results of the Pontchartrain Basin UAA, summer D.O. values may be lowered to 2-3 mg/L, more indicative of the wetland environments. The D.O. TMDLs will then be recalculated accordingly. Why is the D.O. phased approach mentioned in these TMDLs? Is there a relationship to TDS?

The Lake Pontchartrain Basin Foundation is strongly in favor of the TMDL program as a means to clean our waterways. However, the TMDLs must be based on good science and a statistically viable data set actually collected from the streams and sources in question. The TMDL must also be written to directly address the sources of the impairment. As the watershed environmental group of the Pontchartrain Basin, we would support a TDS TMDL that adequately does all of the above. We ask that EPA and Tetra Tech perform more data collection for this TMDL and produce a TMDL to directly address the sources.

The LPBF thanks EPA for the opportunity to comment on this draft TMDL and look forward to our continued cooperation in cleaning the Pontchartrain Basin's waterways.

Sincerely,



Andrea Bourgeois-Calvin, PhD
Water Quality Program Director

APPENDIX G: EPA Responses to Public Comments

Table G-1. Comments received by LDEQ	G-1
Table G-2. Responses to LDEQ Specific Comment 7b-d.....	G-3
Table G-3. Comments received by Lake Pontchartrain Basin Foundation.....	G-4

NOTE: Full public comment letters are included in Appendix F.

Table G-1. Comments received by LDEQ

#	Comment	EPA response
General comments		
1	LDEQ will be responsible for the implementation of this TMDL, and future updates to this TMDL. Therefore, LDEQ requests that complete documentation, including all appendices be provided to LDEQ upon approval of the TMDL.	EPA will provide LDEQ with the documentation once the TMDL has been finalized and approved.
2	LDEQ requests that the phased approach should not be used for this TMDL, Please remove the phased approach and keep the following statements in Section 4.2.1, "To avoid any unnecessary permitting process or unintended monitoring requirements for a number of sources that may not be discharging the pollutants of concern, LDEQ will review these WLAs during the permitting process on a case-by-case basis. LDEQ will determine if a permit limit is appropriate or if the permittee reasonably could cause or contribute to a water quality violation (with LDEQ ensuring that the goals of the TMDL are still being met."	This section was added <i>verbatim</i> , with minor editorial changes, as per request of LDEQ. It will be removed.
3	Remove any references to chloride and sulfate since this TMDL is a TDS TMDL, It is not a Chloride, Sulfate and TDS TMDL.	These references were part of the <i>verbatim</i> phased approach text added as requested by LDEQ. As per the previous response, the section will be removed.
Specific comments		
4	Section 4.2 states, "To be conservative, the facilities were assigned WLAs using a water quality target, and no point source has been given a reduction from that level." However, please be aware that the WLA established in the TMDL is a reduction from estimated discharge values.	Comment noted. Please note the existing text in section 4.2.1. "To avoid an unnecessary permitting process or unintended monitoring requirements for a number of sources that may not be discharging the pollutants of concern, LDEQ will review these WLAs during the permitting process on a case-by-case basis. LDEQ then will determine if a permit limit is appropriate or if the permittee reasonably could cause or contribute to a water quality violation (with LDEQ ensuring that the goals of the TMDL are still being met). ... Although the derived WLAs are for TDS, meeting the WLAs might not be necessary if alternative remediation and future monitoring indicate control of TDS concentrations without reduction of WLAs. The decision to specify a WLA for those point sources does not reflect any EPA determination of a required effluent limit in their respective NPDES permits."
5	Delete Section 5.2, Phased LDEQ TMDL Approach.	This section was added <i>verbatim</i> , with minor editorial changes, as per request of LDEQ. It will be removed.
6	NOTE: if phased implementation remains in the TMDL., report, please adjust the following:	This section was added <i>verbatim</i> , with minor editorial changes, as

#	Comment	EPA response
	<ol style="list-style-type: none"> 1. Section 5.2.1, 1, delete chlorides and sulfates from the first sentence. It should read: New discharges of TDS loads. 2. Section 5.2.1, 1, second sentence should read: However, before the subsequent renewal of each permit, an assessment of TDS monitoring data from designated outfalls could be concluded to determine if permit limits are appropriate during Phase 1. 3. Section 5.2.1, 1, third sentence should read: Permit limits will be established on the basis of regulatory guidelines and in accordance with LDEQ's Permitting Guidance Document for Implementing Louisiana Surface Water Quality Standards, WQMP Volume 3 and LAC33:IX.1115.C.8 (LDEQ 2008) 4. Section 5.2.1, 1, last sentence should read: Applicable General Permit schedules will be updated to meet the requirements of the MIDI, upon the first renewal of each series following the TMDL approval date. Examples of facility outfalls that may be considered are provided below. 5. Section 5.2.1, 1.a, second sentence: Where are the reference values? 6. Section 5.2.1, 2, second sentence should read: Permit limits will be established on the basis of regulatory guidelines and in accordance with LDEQ's Permitting Guidance Document for Implementing Louisiana Surface Water Quality Standards, WQMP Volume 3 (LDEQ 2008) and LAC33:IX.1115.C.8 (LDEQ 2008). 	per request of LDEQ. It will be removed per request.
7a	A review of LDEQ's TEMPO database indicated the following information in comments 7b-d below. These items should be reviewed and considered in the TMDL. After reviewing these items and revising the TMDL as needed, the WLA tables in Appendix D should be adjusted accordingly.	See responses in the table G-2 below for responses to individual permits.
7b	<p>Table D-1. Subsegment 040501 Facility List</p> <ul style="list-style-type: none"> • AI 18546, Mo-Dad Utilities, LLC – Pine Hill Subdivision is not included. • AI 43472, Sumner High School is not included. • AI 94326, Cal-Maine Farms Louisiana Complex - Cal-Maine Foods #52 is not included (Outfalls 002, 004, 006-016). • AI 27615, Action Oil Recovery Inc is not active. 	See responses in the table G-2 below for responses to individual permits.
7c	<p>Table D-2. Subsegment 040504 Facility List</p> <p>The following facility is listed in Table D-2, but may not be located within Subsegment 040504. It should be evaluated and adjusted accordingly.</p> <ul style="list-style-type: none"> • AI 157747, RSC Hammond – KACO Constructors LLC. – <u>Permit terminated on 2/14/2010.</u> 	See responses in the table G-2 below for responses to individual permits.
7d	<p>The following facilities are not listed Table D-2, but are in Subsegment 040504:</p> <ul style="list-style-type: none"> • AI 19580, Electroless Nickel Plating of Louisiana Inc; Outfall 002 is not included • AI 42309, Lionsway LLC - Lions Way Apartments (Outfalls 001-002) • AI 43998, Woodland Town Home Subdivision • AI 73850, Ryan's Convenience Store & Deli • AI 86145, Lamonica Apartments • AI 86961, Collura Trailer 1&2 - Apartments • AI 93359, R J Design LLC • AI 141219, Studio Lane Apartments 	See responses in the table G-2 below for responses to individual permits.

#	Comment	EPA response
	<ul style="list-style-type: none"> • AI 160045, Binner Properties LLC - The Way Church • AI 160046, Binner Properties LLC - Lifetouch • AI 160047, Binner Properties LLC – Regiomantana • AI 162283, Tractor Supply Co #135 F • AI 162476, Pat Tantillo - Olivia's Place (Outfalls 002-003) • AI 162908, Abundant Life Church • AI 164502, Rocky's Body Shop • AI 166812, Ken's Tropical Fish & Pet Supplies • AI 167734, PMC Machinery 	

Table G-2. Responses to LDEQ Specific Comment 7b-d

AI No.	Facility Name	Permit No.	EPA response
18546	Mo-Dad Utilities, LLC — Pine Hill Subdivision	LAG540565	This facility was not in the original list of permits that LDEQ supplied. The permit will be added and receive a WLA.
43472	Sumner High School	LAG540713	Based on information from LDEQ's EDMS, this facility discharges to subsegment 040701 (Document ID 4915722).
94326	Cal-Maine Farms Louisiana Complex - Cal-Maine Foods #52	LA0115894	Permit issued in 2011, after initial permit research was completed. Facility has 13 stormwater outfalls discharging to subsegment 040501 (001-002, 004, 006-010, 012-016) (Document ID 7660970) . The permit will be added and receive a WLA.
27615	Action Oil Recovery Inc	LAR05M812	Based on information in LDEQ's EDMS, there is no available document indicating inactivation/termination or reissuance. No flow information available to assign a WLA.
157747	RSC Hammond — KACO Constructors LLC	LAR10F085	Permit terminated on 04/07/11. Will transfer facility to "terminated permits" table.
19580	Electroless Nickel Plating of Louisiana Inc;	LA0077984	Outfall 002 will be added to the report and receive a WLA. Permit listed outfalls 003, 004, and 005 as stormwater outfalls however; no flow information is available so a WLA cannot be assigned for those outfalls.
42309	Lionsway LLC - Lions Way Apartments	LAG560022	This facility was not in the original list of permits that LDEQ supplied. The permit will be added and receive a WLA.
43998	Woodland Town Home Subdivision	LAG540795	This facility was not in the original list of permits that LDEQ supplied. The permit will be added and receive a WLA.
73850	Ryan's Convenience Store & Deli	LAG532246	This permit was originally not included because information in LDEQ's EDMS system (Document ID 5857727 and cover letter in Document 5763640) identified that it discharges to subsegment 040404. Facility listed as discharging to subsegment 040504 in Statement of Basis in Document 5763640 and map in Document 5751356. The permit will be

AI No.	Facility Name	Permit No.	EPA response
			added to the report and receive a WLA.
86145	Lamonica Apartments	LAG531185	This facility was not in the original list of permits that LDEQ supplied. The permit will be added and receive a WLA.
86961	Collura Trailer 1&2 - Apartments	LAG533011	This facility was not in the original list of permits that LDEQ supplied. The permit will be added and receive a WLA.
93359	R J Design LLC	LAG533612	This facility was not in the original list of permits that LDEQ supplied. The permit will be added and receive a WLA.
141219	Studio Lane Apartments	LAG533288	This facility was not in the original list of permits that LDEQ supplied. The permit will be added and receive a WLA.
160045	Binner Properties LLC – The Way Church	LAG533070	This facility was not in the original list of permits that LDEQ supplied. The permit will be added and receive a WLA.
160046	Binner Properties LLC –Lifetouch	LAG533071	This facility was not in the original list of permits that LDEQ supplied. The permit will be added and receive a WLA.
160047	Binner Properties LLC –Regiomantana	LAG533072	This facility was not in the original list of permits that LDEQ supplied. The permit will be added and receive a WLA.
162283	Tractor Supply Co #135 F	LAG533262	This facility was not in the original list of permits that LDEQ supplied. The permit will be added and receive a WLA.
162476	Pat Tantillo - Olivia's Place	LAG533531	Permit was modified in mid-2011, after initial permit research was completed and during preliminary report development. The additional outfalls will be added to the report and receive a WLA.
162908	Abundant Life Church	LAG533081	This facility was not in the original list of permits that LDEQ supplied. The permit will be added and receive a WLA.
164502 (23688)	Rocky's Body Shop	LAG533152 (LAG470288)	Facility has two AI numbers and active permits for one location. AI 23688 was included in the original report. WLAs will be revised using additional information found in Statement of Basis
166812	Ken's Tropical Fish & Pet Supplies	LAG533253	This facility was not in the original list of permits that LDEQ supplied. The permit will be added and receive a WLA.
167734	PMC Machinery	LAG533293	This facility was not in the original list of permits that LDEQ supplied. The permit will be added and receive a WLA.

Table G-3. Comments received by Lake Pontchartrain Basin Foundation

#	Comment	Response/Notes
1a	<p>Potential TDS sources are defined as land development issues yet wastewater plants are given limits in these TMDLs</p> <p>In the introduction, the TMDL states that from the 2010 draft Impaired Waterbodies List: "Suspected causes of the TDS impairment in subsegment 040501 are drainage/filling/loss of wetlands. Suspected causes of the TDS impairment in subsegment 040504 are drought-related impacts and site clearance (land development or redevelopment)." Section 2.5.2 discusses each of these in more detail.</p>	<p>Thank you for the photographs showing your concerns.</p> <p>See response to comment 4 in Table G-1.</p>

#	Comment	Response/Notes
	<p>However, given this, these TMDLs list wastewater treatment plants as point sources, even though they are NOT one of the suspected causes of impairment. The TMDLs seek to place TDS limits on all wastewater treatment plants in the two watersheds. No justification is presented to show that wastewater treatment plants contribute significantly to the TDS load. LPBF assists small wastewater treatment plants on a daily basis and to the best of our knowledge, no wastewater treatment plants currently test for total dissolved solids. We are also not aware of a process that will reduce TDS, especially in small plants. <i>Small wastewater treatment plants are not listed as a suspected cause of impairment, it is incorrect and unfair to put TDS limits on them.</i></p> <p>LPBF recommends that these TMDLs focus on the suspected causes of impairments given in the Impaired Waterbodies List. The TMDL acknowledges that these parishes are rapidly developing and that land clearing and site development are suspected sources of impairment. The TMDL should focus on the enforcement of regulations in regard to these activities. Unfortunately, the parishes and state have been less than vigilant on stormwater issues. The photographs below show a development in Tangipahoa Parish with no stormwater BMPs and the impact on the adjacent stream.</p>	
1b	<p>Construction Site with no BMPs (in Tangipahoa Parish)</p>  <p>Adjacent Stream</p>	See above response.

#	Comment	Response/Notes
		
2	<p>Influence of groundwater (as the potable water) on TDS In Section 2.5.1, the TMDL states "Groundwater quality analysis in a nearby subsegment (040201) within the Lake Pontchartrain has indicated significant concentrations of TDS (LDEQ 2011a). Potable water used by homes, businesses, and public agencies is sent to sewage treatment plants, which are then responsible for treating the additional pollutant loadings." Groundwater is the only source of potable water in these two watersheds. While the TMDL acknowledges that the use of groundwater is a likely source of the high TDS, no quantifications are made as to the potential input from this source.</p> <p>LPBF recommends that the groundwater be analyzed for similarity with the stream water. Preliminary analyses performed by LPBF and Southeastern Louisiana University have found that the groundwater and stream water are similar in character, indicating that the groundwater is present in the streams. In particular, Yellow Water River is a small river in the heart of the City of Hammond. It is densely populated, all potable water is groundwater, and many businesses and homes are on individual wastewater treatment plants. LPBF testing has shown that the character of Yellow Water and Ponchatoula Creek (into which Yellow Water River flows) are quite different from other streams in the area due to the dense groundwater use and discharge.</p>	<p>EPA will make note of your findings in the TMDL. Currently, it is not within EPAs resources to conduct groundwater sampling in support of TMDLs.</p>
3	<p>Clear-cutting in Yellow Water and excess erosion Tangipahoa Parish practices stream clear cutting for drainage purposes. Stream beds and banks are scraped to the exposed soil and are not covered with anything. This has occurred in Yellow Water River and likely contributes to the continually increased TDS. LPBF has spoken with Tangipahoa Parish, its contractors, LDEQ about this practice but there has not been a change as of yet. LPBF would like to see this stream clearing practice addressed in the TMDL.</p>	<p>EPA will add text to Section 2.5.2 (Nonpoint Sources) regarding this practice.</p>

#	Comment	Response/Notes
		
4	<p>Using monthly/daily discharge when flow data is available Even though there are multiple USGS stream gauges on the Tickfaw River, the TMDL utilized monthly/daily discharge data (calculated from climate records) in the TMDL. The justification for this is that the river is tidal. The very downstream portion of the river is tidal, but the vast majority of it is not. If monthly discharge is going to be used, LPBF recommends calculations showing its correlation to the well-established flow data. Is monthly/daily discharge an acceptable surrogate for flow data?</p>	<p>As stated in the TMDL report, the monthly water yield was obtained from the Louisiana Office of State Climatology and is assumed to be accurate. Monthly water yield was used for subsegments where a load duration curve could not be used to represent the entire subsegment. The water yield represents the overland flow of water and edge-of-stream loadings, so it does not include groundwater sources. Point source loads and flows are added into the TMDL calculation separately. EPA feels that this is an acceptable alternative to USGS flow data and has been used in previously approved TMDLs.</p>
5	<p>Phased Approach? The TMDLs state that the phased approach will be utilized for implementation. LDEQ instituted the phased TMDL implementation approach for the dissolved oxygen (D.O.) in southern Louisiana waterways. In the phased approach, waterways are assumed to meet the national 5 mg/1 D.O. standard until a "Use Attainability Analysis" (UAA) can be performed. In the UAA's summer D.O. is measured in pristine streams, bayous, and wetlands so that an accurate assessment of summer D.O. levels can be made for these unique environments. This has already been performed in the Barataria Basin and is being performed in the Pontchartrain Basin. Based on the results of the Pontchartrain Basin UAA, summer D.O. values may be lowered to 2-3 mg/L, more indicative of the wetland environments. The D.O. TMDLs will then be recalculated accordingly. Why is the D.O. phased approach mentioned in these TMDLs? Is there a relationship to TDS?</p>	<p>The phased approach was added at the request of LDEQ prior to the public comment period. During the public comment period they have requested that it be removed from the final TMDL. EPA will remove the text.</p>

