



December 8, 2009
FINAL

October 2009 Update to the Texas Water Quality Management Plan

Prepared by the:
Office of Permitting & Registration, Water Quality Division

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

October 2009 Update to the Texas Water Quality Management Plan

Compiled and distributed by the
Water Quality Assessment Section
Water Quality Division
Texas Commission on Environmental Quality
P.O. Box 13087, MC-150
Austin, Texas 78711-3087

December 2009

WQMP updates are also available on the TCEQ web site at:
<www.tceq.state.tx.us/nav/eq/eq_wqmp.html>

Developed in accordance with Sections 205(j)
and 208 of the Federal Clean Water Act
and applicable regulations thereto.



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Introduction

The Texas Water Quality Management Plan (WQMP) is the product of a wastewater treatment facility planning process developed and updated in accordance with provisions of Sections 205(j), 208, and 303 of the federal Clean Water Act (CWA), as amended. The WQMP is an important part of the State's program for accomplishing its clean water goals.¹

The Texas Department of Water Resources, a predecessor agency of the Texas Commission on Environmental Quality (TCEQ), prepared the initial WQMP for waste treatment management during the late 1970s. The Clean Water Act mandates that the WQMP be updated as needed to fill information gaps and revise earlier certified and approved plans. Any updates to the plan need involve only the elements of the plan that require modification. The original plan and its subsequent updates are collectively referred to as the State of Texas Water Quality Management Plan.

The WQMP is tied to the State's water quality assessments that identify priority water quality problems. The WQMPs are used to direct planning for implementation measures that control and/or prevent water quality problems. Several elements may be contained in the WQMP, such as effluent limitations of wastewater facilities, total maximum daily loads (TMDLs), nonpoint source management controls, identification of designated management agencies, and ground water and source water protection planning. Some of these elements may be contained in separate documents which are prepared independently of the current WQMP update process, but may be referenced as needed to address planning for water quality control measures.

This document, as with previous updates², will become part of the WQMP after completion of its public participation process, certification by the TCEQ on behalf of the Governor of Texas, and approval by the Environmental Protection Agency (EPA).

The materials presented in this document revise only the information specifically addressed in the following sections. Previously certified and approved water quality management plans remain in effect.

The October 2009 WQMP update addresses the following topics:

1. Projected Effluent Limits Updates for water quality planning purposes
2. Service Area Population for Municipal Wastewater Facilities
3. Designation of Management Agencies for Municipal Wastewater Facilities
4. Total Maximum Daily Load Updates

The Projected Effluent Limit Update section provides information compiled from August 1, 2009 through October 31, 2009, and is based on water quality standards, and may be used for water quality planning purposes in Texas Pollutant Discharge Elimination System (TPDES) permit actions.

¹ A formal definition for a water quality management plan is found in 40 Code of Federal Regulations (CFR) 130.2(k).

² Fiscal Years 1980, 1981, 1982, 1983, 1984/85, 1986/88, 1989, 1990, 1991, 1992, 1993/94, 1995, 1996, 1997/98, 02/1999, 05/1999, 07/1999, 10/1999, 01/2000, 04/2000, 07/2000, 10/2000, 01/2001, 04/2001, 07/2001, 10/2001, 01/2002, 04/2002, 07/2002, 10/2002, 01/2003, 04/2003, 07/2003, 10/2003, 01/2004, 04/2004, 07/2004, 10/2004, 01/2005, 04/2005, 07/2005, 10/2005, 01/2006, 04/2006, 07/2006, 10/2006, 01/2007, 04/2007, 07/2007, 10/2007, 01/2008, 04/2008, 07/2008, 10/2008, 01/2009, 04/2009 and 07/2009.

The Service Area Population and Designation of Management Agencies sections for municipal wastewater facilities has been developed and evaluated by the TCEQ in cooperation with the Texas Water Development Board (TWDB) and regional water quality management planning agencies.

The Total Maximum Daily Load (TMDL) Update section provides information on proposed waste load allocations for new dischargers and revisions to existing TMDLs and has been developed by the Water Quality Planning Division, TMDL Program.

Projected Effluent Limit Updates

Table 1 reflects proposed effluent limits for new dischargers and preliminary revisions to original proposed effluent limits for preexisting dischargers (MGD-Million Gallons per Day, CBOD₅ – 5 Day Carbonaceous Biochemical Oxygen Demand, NH₃-N – Ammonia-Nitrogen, BOD₅ – 5 Day Biochemical Oxygen Demand and DO – Dissolved Oxygen).

Effluent flows indicated in Table 1 reflect future needs and do not reflect current permits for these facilities. These revisions may be useful for water quality management planning purposes. The effluent flows and constituent limits indicated in the table have been preliminarily determined to be appropriate to satisfy the stream standards for dissolved oxygen in their respective receiving waters. These flow volumes and effluent sets may be modified at the time of permit action. These limits are based on water quality standards effective at the time of the TCEQ production of this update. Water Quality Standards are subject to revision on a triennial basis.

Table 1. Projected Effluent Limit Updates

State Permit Number	Segment Number	EPA ID Number	Permittee Name County	Flow (MGD)	CBOD ₅ (mg/L)	CBOD ₅ (lbs/day)	NH ₃ -N (mg/L)	NH ₃ -N (lbs/day)	BOD ₅ (mg/L)	BOD ₅ (lbs/day)	DO (mg/L)	Months/ Comments
10023-001	0810	0023787	City of Chico Wise	0.15	20	25.02	5	6.26			4	
10082-001	0506	0026328	City of Emory Rains	0.30	10	25.02	3	7.51			6	
10196-001	1601	0027669	Jackson County WCID No. 2 Jackson	0.045					20	7.51	2	
10234-001	1803	0070785	City of Nixon Gonzales	0.73	5	30.44	1.8	10.96			4	
10875-001	0601	0023795	Orange County WCID No. 1 Orange	3.00	10	250.20	1	25.02			6	Mar. - Oct.
				3.00	10	250.20	4	100.08			6	Nov.-Feb.
11091-001	001	0020257	Bell County WCID No. 2 Bell	0.16					20	26.69	2	
11183-003	0809	0023116	City of Azle, Parker/Tarrant Outfall 004	1.01	5	42.12	1.8	15.16			6	May -Sept.
				1.01	7	58.96	3	25.27			6	Oct. - Apr.
11822-001	1903	0074331	City of Somerset Bexar	0.38					10	31.69	4	
11845-005	1434	0132021	City of Pflugerville Travis	15.75	5	656.78	2	262.71			6	
14343-001	1014	0132063	Cinco Southwest MUD No. 1 Fort Bend	2.25	10	187.65	2	37.53			6	
14538-001	1017	0020788	Harris County WCID No. 133 Harris	3.00	10	250.20	3	75.06			4	April-Oct.
				3.00	10	250.20	4	100.08			4	Nov.-Mar.

State Permit Number	Segment Number	EPA ID Number	Permittee Name County	Flow (MGD)	CBOD ₅ (mg/L)	CBOD ₅ (lbs/day)	NH ₃ -N (mg/L)	NH ₃ -N (lbs/day)	BOD ₅ (mg/L)	BOD ₅ (lbs/day)	DO (mg/L)	Months/ Comments
14576-001	1009	0127311	Harris County MUD No. 434 Harris	0.25	10	20.85	3	6.26			6	
14943-001	1014	0132063	Katy 884 Partners, Ltd. Waller	0.75	10	62.55	2	12.51			6	
14944-001	1202	0132071	1446 Waller Partners, Ltd. Waller	1.50	10	125.10	3	37.53			4	
14948-001	1302	0132098	CNT/KCS Rosenberg JV, L.L.C. Fort Bend	0.30	10	25.02	3	7.51			4	
14950-001	2491	0132101	Hidalgo County MUD No. 1 & Martin Valley Ranches, Inc. Hidalgo	0.95	10	79.23	3	23.77			4	
14954-001	1014	0132161	Mischer Investments, L.P. Harris	0.30	10	25.02	2	5.00			6	
14955-001	1202	0132225	Greatwood Hospitality, Inc. Fort Bend	0.0125	10	1.04	3	0.31			6	

Planning Information Summary

The Water Quality Planning Division of the TCEQ coordinated with the TWDB and regional planning agencies to compile the wastewater facility information in this section. Domestic facility financing decisions under the State Revolving Loan Fund (SRF) program must be consistent with the certified and approved WQMP.

The purpose of this section is to present data reflecting facility planning needs, including previous water quality management plan needs requiring revision. Data are also presented to update other plan information for the TWDB's SRF projects. Table 2 contains the updated Service area population information. The table is organized in alphabetical order and includes the following 10 categories of information:

1. Planning Area – Area for which facility needs are proposed. The facility planning areas are subject to change during the facility planning process and any such changes will be documented in a later water quality management plan update. All planning areas listed are also designated management agencies (DMAs) unless otherwise noted in the “Comments” column.
2. Service Area – Area that receives the provided wastewater service.
3. Needs – A “T” indicates a need for either initial construction of a wastewater treatment plant, additional treatment capacity, or the upgrading of a wastewater treatment plant to meet existing or more stringent effluent requirements. A “C” indicates a need for improvements to, expansion of, rehabilitation of, or the initial construction of a wastewater collection system in the facility planning area. “T/C” indicates a need for both treatment and collection system facilities. More detailed facility planning conducted during a construction project may define additional needs and those needs will be reflected in a future update to the WQMP.
4. Needs Year – The year in which the needs were identified for the planning area.
5. Basin Name – The river basin or designated planning area where the entity is located. The seven water quality management planning areas designated by the Governor are Corpus Christi [Coastal Bend Council of Governments (CBCOG)], Killeen-Temple [Central Texas Council of Governments (CTCOG)], Texarkana [Ark-Tex Council of Governments (ATCOG)], Southeast Texas [South East Texas Regional Planning Council (SETRPC)], Lower Rio Grande Valley [Lower Rio Grande Valley Development Council (LRGVDC)], Dallas-Fort Worth [North Central Texas Council of Governments (NCTCOG)] and Houston [Houston-Galveston Area Council (H-GAC)]. Basin names are shown for agencies outside one of these areas.
6. Segment – The classified stream segment or tributary into which any recommended facility may discharge existing or projected wastewater. In the case of no-discharge facilities, this is the classified stream segment drainage area in which the facilities are located.
7. County – The county in which the facility planning area is located.
8. Date – The date the planning information was reviewed by the TCEQ.

9. *Comments* – Additional explanation or other information concerning the facility planning area.
10. *Population* – The base year and projected populations for each facility planning area. Population projections presented are consistent with the latest available statewide population projections or represent the most current information obtained from facility planning analyses.

The facility information in this section is intended to be utilized in the preparation of facility plans and the subsequent design and construction of wastewater facilities. Design capacities of the treatment and collection systems will be based upon the population projections contained in this document plus any additional needed capacity established for commercial/industrial flows and documented infiltration/inflow volumes (treatment or rehabilitation). The probable needs shown under the “Needs” heading are preliminary findings; specific needs for an area shall be as established in the completed and certified detailed engineering studies conducted during facility planning under the SRF and other state loan programs.

Specific effluent quality for any wastewater discharges resulting from any of the facilities recommended in this document will be in accordance with the rule on the Texas Surface Water Quality Standards in effect at the time of permit issuance for the specific facility.

Table 2. Service Area Population Updates

Planning Agency	Service Area	Needs	Needs Year	Basin Name / COG	Segment	County	WQMP Date	Comments	Year	Population
Alice, City of	Alice, City of	T/C	2009	Bays and Estuaries Basin	2492	Jim Wells	9/3/2009	Rehabilitate the wastewater treatment system.	2000	19,010
									2010	20,512
									2020	21,899
									2030	22,792
Austin, City of	Austin, City of	T/C	2009	Colorado River Basin	1428	Travis	9/18/2009	Rehabilitate and improve the Hornsby Bend Biosolids Management Plant.	2000	815,124
									2010	878,670
									2020	1,050,991
									2030	1,263,254
Bonham, City of	Bonham, City of	T/C	2009	Red River Basin	0202	Fannin	9/22/2009	Replace the existing sewer mains.	2000	9,990
									2010	10,660
									2020	12,000
									2030	14,500
Brownsville, City of	Brownsville, City of	T/C	2009	Bays and Estuaries Basin /LRGVDC	2494	Cameron	9/22/2009	Rehabilitate the existing wastewater pump stations.	2005	183,027
									2010	199,107
									2020	240,962
									2030	284,228
Burnet, City of	Burnet, City of	T/C	2009	Brazos River Basin	1404	Burnet	10/5/2009	Test all sewer lines in the City.	2005	6,591
									2010	8,843
									2020	12,923
									2030	17,004
El Paso, City of	El Paso, City of	T/C	2009	Rio Grande Basin	2307	El Paso	10/5/2009	Rough grade an existing earthen channel.	2000	305,547
									2010	341,557
									2020	387,969
									2030	408,158
El Paso, City of	El Paso, City of	T/C	2009	Rio Grande Basin	2307	El Paso	10/5/2009	Excavate the Featherlake II basin to the same level as the adjacent Featherlake basin.	2000	305,547
									2010	341,557
									2020	387,969
									2030	408,158
Elsa, City of	Elsa, City of	T/C	2009	Bays and Estuaries Basin /LRGVDC	2491	Hidalgo	10/23/2009	Rehabilitate the existing wastewater treatment plant and the associated collection system.	2005	5,712
									2010	6,167
									2020	6,938
									2030	7,806

Planning Agency	Service Area	Needs	Needs Year	Basin Name / COG	Segment	County	WQMP Date	Comments	Year	Population
Galveston, City of	Galveston, City of	T/C	2009	Bays and Estuaries Basin HGAC	2439	Galveston	10/14/2009	Rehabilitate the damaged wastewater collection system.	2005	57,247
									2010	57,247
									2020	57,247
									2030	57,247
Harris Co. Municipal Utility District No. 36	Harris Co. Municipal Utility District No. 36	T/C	2009	San Jacinto River Basin/ HGAC	1006	Harris	10/27/2009	Rehabilitate or replace the existing wastewater collection system and lift stations.	2005	9,427
									2010	9,895
									2020	12,603
									2030	15,671
Harris County Municipal Utility District No. 148	Harris County Municipal Utility District No. 148	C	2009	San Jacinto River Basin/ HGAC	1016	Harris	7/16/2009	Rehabilitate or replace the existing wastewater collection system.	2005	2,466
									2010	3,568
									2020	6,720
									2030	8,420
Ingram, City of	Ingram, City of	T/C	2009	Guadalupe River Basin	1806	Kerr	9/14/2009	Modify the wastewater collection system.	2000	1,740
									2010	1,953
									2020	2,133
									2030	2,273
Lake Worth, City of	Lake Worth, City of	T/C	2009	Trinity River Basin/NCTCOG	0807	Tarrant	9/24/2009	Improve the wastewater collection system.	2000	4,618
									2010	5,127
									2020	5,347
McAllen, City of	McAllen, City of	T/C	2009	Bays and Estuaries Basin / LRGVDC	2491	Hidalgo	10/27/2009	Upgrade and expand the McAllen North wastewater treatment plant.	2005	53,830
									2010	71,997
									2020	124,907
									2030	141,744
Mercedes, City of	Mercedes, City of	T/C	2009	Nueces-Rio Grande Coastal Basin / LRGVDC	2202	Hidalgo	9/28/2009	Expand the wastewater treatment plant.	2000	13,649
									2010	18,840
									2020	26,270
									2030	36,446
Munday, City of	Munday, City of	T/C	2009	Brazos River Basin	1208	Knox	9/18/2009	Enhance the lagoon stabilization of the water throughout the treatment plant.	2000	1,527
									2010	1,520
									2020	1,534
									2025	1,535
Port Arthur, City of	Port Arthur, City of	T/C	2009	Neches-Trinity Coastal Basin	0703	Jefferson	9/14/2009	Replace approximately 45 miles of the collection system.	2000	57,755
									2010	57,755
									2020	57,755
									2030	57,755

Planning Agency	Service Area	Needs	Needs Year	Basin Name / COG	Segment	County	WQMP Date	Comments	Year	Population
Presidio, City of	Presidio, City of	T/C	2009	Rio Grande Basin	2306	Presidio	8/27/2009	Rehabilitate the collection system and build a new wastewater treatment plant.	2000	5,242
									2010	6,033
									2020	7,615
									2030	9,200
Presidio, City of	Presidio, City of	T/C	2009	Rio Grande Basin	2306	Presidio	10/13/2009	Expand the collection system to provide first time service to Colonia Pueblo Nuevo.	2000	5,242
									2010	6,033
									2020	7,615
									2030	9,200
Raymondville, City of	Raymondville, City of	T/C	2009	Bays and Estuaries Basin /LRGVDC	2491	Willacy	10/23/2009	Upgrade the existing wastewater treatment plant.	2000	9,733
									2010	10,094
									2020	13,345
									2030	10,595
Rosenberg, City of	Rosenberg, City of	T/C	2009	Brazos River Basin/HGAC	1202	Fort Bend	9/17/2009	Rehabilitate the existing sanitary sewer system.	2005	28,700
									2010	33,100
									2020	42,000
									2030	50,200
Sherman, City of	Sherman, City of	T/C	2009	Red River Basin	0202	Grayson	9/3/2009	Rehabilitate the wastewater treatment plant digester.	2005	37,935
									2010	41,976
									2020	46,446
									2030	50,600
Valentine, City of	Valentine, City of	T/C	2009	Rio Grande Basin	2300	Jeff Davis	9/14/2009	Build a new wastewater treatment plant to provide sewer service.	2000	185
									2010	200
									2020	233
									2030	250
Wilson, City of	Wilson, City of	T/C	2009	Brazos River Basin	1241	Lynn	10/26/2009	Build a new wastewater treatment plant to replace the existing plant.	2000	185
									2010	200
									2020	233
									2030	250

Designated Management Agencies

In order to be designated as a management agency for wastewater collection or treatment, an entity must demonstrate the legal, institutional, managerial and financial capability necessary to carry out the entity's responsibilities in accordance with Section 208 (c) of the Clean Water Act (see below list of requirements). Before an entity can apply for a state revolving fund loan, it must be recommended for designation as the management agency in the approved WQMP. Designation as a management agency does not require the designated entity to provide wastewater services, but enables it to apply for grants and loans to provide the services. The facilities listed in Table 3 have submitted Designated Management Agencies (DMA) resolutions to the TCEQ. The TCEQ submits this DMA information to the EPA for approval as an update to the WQMP.

Section 208 (c)(2) Requirements for Management Agency:

208(c)(2)(A): to carry out portions of an area-wide waste treatment plan.

208(c)(2)(B): to manage waste treatment works.

208(c)(2)(C): directly or by contract to design and construct new works.

208(c)(2)(D): to accept and utilize grants.

208(c)(2)(E): to raise revenues, including assessment of waste treatment charges.

208(c)(2)(F): to incur short and long term indebtedness.

208(c)(2)(G): to assure community pays proportionate cost.

208(c)(2)(H): to refuse to receive waste from non-compliant dischargers.

208(c)(2)(I): to accept for treatment industrial wastes.

Table 3. Designated Management Agencies Updates

Planning Agency	Service Area	DMA Needs	DMA Date	DMA Area/Comments
Ames, City of	Ames, City of	T/C	9/14/2009	Liberty County
Hardin, City of	Hardin, City of	T/C	9/14/2009	Liberty County
Liberty, City of	Liberty, City of	T/C	9/8/2009	Liberty County
Presidio, City of	Presidio, City of	T/C	8/27/2009	Presidio County
Rosenburg, City of	Rosenburg, City of	T/C	8/18/2009	Fort Bend County

Total Maximum Daily Load Updates

The Total Maximum Daily Load (TMDL) Program works to improve water quality in impaired or threatened waters bodies in Texas. The program is authorized by and created to fulfill the requirements of Section 303(d) of the federal Clean Water Act.

The goal of a TMDL is to restore the full use of a water body that has limited quality in relation to one or more of its uses. The TMDL defines an environmental target and based on that target, the State develops an implementation plan with waste load allocations for point source dischargers to mitigate anthropogenic (human-caused) sources of pollution within the watershed and restore full use of the water body.

The development of TMDLs is a process of intensive data collection and analysis. After adoption by the TCEQ, TMDLs are submitted to the U.S. Environmental Protection Agency for review and approval.

The attached appendixes may reflect proposed waste load allocations for new dischargers and revisions to TMDLs. To be consistent, updates will be provided in the same units of measure used in the original TMDL document. And note that for bacteria TMDLs, loads may be expressed in counts for day, organisms per day, colony forming units per day, or similar expressions. These typically reflect different lab methods, but for the purposes of the TMDL program, these terms are considered synonymous.

Appendix I. One Total Maximum Daily Load for Bacteria in Gilleland Creek (Segment 1428C)

TMDL Update to the WQMP: Gilleland Creek, Segment 1428C.

The document *One Total Maximum Daily Load for Bacteria in Gilleland Creek: Segment 1428C* was adopted by the TCEQ on 8/08/2007 and approved by EPA on 04/21/09, and became an update to the state's Water Quality Management Plan. The TMDL document did not include individual Waste Load Allocations (WLAs) for wastewater treatment facilities (WWTFs). Those were provided in a memo dated 2/7/08 and updated on 5/1/09. Since that time, the TMDL Program was asked to provide clarification for an additional facility in the watershed.

Table 1 - Permitted Bacteria Allocations

State Permit Number	Segment Number	Permittee Name	Flow (MGD)	Waste Load Allocation (WLA) – <i>E. coli</i> cfu/day	TMDL/ Comments
01887-000	1428C	City of Austin / Decker Creek Power Plant	725.0	N/A	One Total Maximum Daily Load for Bacteria in Gilleland Creek p. 16

As no individual load for *E. coli* has been allocated, there is no change to the overall TMDL equation.

Appendix II. One Total Maximum Daily Load for Dissolved Oxygen in Lake O' the Pines (Segments 0403 & 0404)

TMDL Update to the WQMP: One Total Maximum Daily Load for Dissolved Oxygen in Lake O' the Pines, Segments 0403 & 0404.

The document *One Total Maximum Daily Load for Dissolved Oxygen in Lake O' the Pines: For Segment 0403* was adopted by the TCEQ on 4/12/2006 and approved by EPA on 7/7/2006, and became an update to the state's Water Quality Management Plan. Its corresponding Implementation Plan was approved by the TCEQ on 7/9/2008. A memo providing individual Waste Load Allocations (WLAs) for permitted facilities (WWTFs) was provided on 12/19/2008. Since that time, the TMDL Program was asked to provide an update for one facility in the watershed which is amending its permit to increase its discharge.

Table 1 - Loading Allocations for Point Source Dischargers in the Lake O' the Pines Watershed

State Permit Number	Segment Number	Permittee Name	Flow (MGD)	Waste Load Allocation (WLA)	TMDL/ Comments			
				Total Phosphorus lb/yr	Total Phosphorus lb/day	Total Phosphorus kg/yr	Total Phosphorus kg/day	
03017-000	0404	Pilgrim's Pride Corporation	3.75	52,920	144.89	24,000	65.71	Phosphorus in the Lake O' the Pines TMDL. Updates pages 25-26.

The total loading for this facility will remain the same.

Appendix III. Six Total Maximum Daily Loads for Bacteria in Waters of the Upper Gulf Coast (Segments 2421, 2422, 2423, 2424, 2432, and 2439)

TMDL Updates to the WQMP: Six Total Maximum Daily Loads for Bacteria in Waters of the Upper Gulf Coast, Segments 2421, 2422, 2423, 2424, 2432, and 2439.

The document *Six Total Maximum Daily Loads for Bacteria in Waters of the Upper Gulf Coast: Segments 2421, 2422, 2423, 2424, 2432, and 2439* was adopted by the TCEQ on 8/20/2008 and approved by EPA on 02/04/2009, and became an update to the state's Water Quality Management Plan (WQMP). Two subsequent memos have updated the list of individual waste load allocations (WLAs) found in the original TMDL document, adding some permitted facilities, and removing others.

The TMDL team was notified that four of the facilities that received individual WLAs have amended their permits to alter their discharges. An additional facility's permit has expired. The purpose of this memo is to update those individual WLAs to reflect these changes (Table 1). Note that this is a concentration-based TMDL, and therefore there are no final TMDL equations to be affected by these changes.

Table 1 - Daily Loads for WWTF based on Concentration Allocations

State Permit Number	Segment Number	Permittee Name	Flow (MGD)	Waste Load Allocation (WLA) Fecal Coliform (org/day)*	Waste Load Allocation (WLA) <i>E. coli</i> (org/day) *	Waste Load Allocation (WLA) Enterococcus (org/day) *	TMDL/Comments
10688-001	2439	CITY OF GALVESTON	13.0	98,420,706,280	62,005,044,956	17,223,623,599	Six TMDLs for Bacteria in Waters of the Upper Gulf Coast (p. A-1)
10688-002	2424	CITY OF GALVESTON	4.76	36,037,120,146	22,703,385,692	6,306,496,025	Six TMDLs for Bacteria in Waters of the Upper Gulf Coast (p. A-1)
10688-004**	2439	CITY OF GALVESTON	N/A	N/A	N/A	N/A	Six TMDLs for Bacteria in Waters of the Upper Gulf Coast (p. A-1)
10688-005	2424	CITY OF GALVESTON	1.0	7,570,823,560	4,769,618,843	1,324,894,123	Six TMDLs for Bacteria in Waters of the Upper Gulf Coast (p. A-1)
12039-001	2421	GALVESTON COUNTY WCID 12	1.0	7,570,823,560	4,769,618,843	1,324,894,123	Six TMDLs for Bacteria in Waters of the Upper Gulf Coast (p. A-1)

*Concentrations limits will be based on the applicable indicator bacteria criterion geometric means (Fecal coliform or *E. coli* or Enterococcus) .

**The permit for this facility expired in November 2008.