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FINAL

April 2004 Update to the Texas Water Quality Management Plan

April 2004 Update to the Texas Water Quality Management Plan

Compiled by the

Water Quality Assessment Section
Water Quality Division
Texas Commission on Environmental Quality

June 2004

Developed in accordance with Section 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 total maximum daily loads (TMDLs), effluent limitations of wastewater facilities, 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 April 2004 WQMP update address the following topics:

1. Projected Effluent Limits Updates for water quality planning purposes.

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

²Fiscal Years 1980, 1981, 1982, 1983, 1984-5, 1986-8, 1989, 1990, 1991, 1992, 1993/94, 1995, 1996, 1997/98, 2/1999, 5/1999, 7/1999, 10/1999, 1/2000, 4/2000, 7/2000, 10/2000, 1/2001, 4/2001, 7/2001, 10/2001, 01/2002, 04/2002, 07/2002, 10/2002, 01/2003, 04/2003, 07/2003, 10/2003 and 01/2004.

The Projected Effluent Limit Updates section provides information compiled from February 1, 2004 through April 30, 2004, 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.

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.

Projected Effluent Limit Updates

Table 1 reflects preliminary revisions to the original proposed effluent limits for the indicated dischargers. Table 1 also reflects proposed effluent limits for new dischargers. 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 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

Water Quality Permit Number	Segment Number	NPDES Permit 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
10227-001	1602	0053287	City of Moulton Lavaca	0.242	10	20.18	3	6.06			4	
10306-001	2109	0023094	City of Uvalde Uvalde	0.97	10	80.90	2	16.18			6	Outfall 001
				0.50	10	41.70	2	8.34			6	Outfall 002
				0.97	10	80.90	2	16.18			6	Outfall 003
10395-010	0901	0126543	City of Baytown Harris	4.0					20	667.20	3	
10399-002	0506	0099112	City of Canton Van Zandt	1.30	10	108.42	3	32.53			4	
10434-001	1420	0107611	City of Cross Plains Callahan	0.0875	30	21.89	3	2.19			5	
10449-001	0307	0027936	City of Cooper Delta	0.48	10	40.03	2	8.01			4	
10463-001	1602	0026034	City of Yoakum Dewitt	0.99	10	82.57	3	24.77			5	
10514-001	0817	0020303	City of Malone Hill	0.05					20	8.34	2	
10540-001	0605	0062707	City of Brownsboro Henderson	0.156					30	39.03	4	
10704-001	0821	0026794	City of Trenton Fannin	0.165	20	27.52	5	6.88			2	
10862-001	0811	0026689	City of Runaway Bay Wise	0.40	5	16.68	1.5	5.00			6	

Water Quality Permit Number	Segment Number	NPDES Permit 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
10917-001	1242	0023442	City of Bremond Robertson	0.22	30	55.04	4	7.34			4	
10918-002	1220	0126551	City of Morgan's Point Resort Bell	0.024					10	2.00	4	
11060-001	1810	0057436	City of Buda Hays	1.5	5	62.55	2	25.02			4	
11071-001	1242	0026506	Cities of Waco, Woodway, Bellmead, Lacy-Lakeview and Robinson McLennan	37.8	10	3,152.52	3	945.76			4	Aug.-Sept.
				37.8	10	3,152.52	5	1,576.26			4	Oct.-July
11569-001	1012	0054364	Lake Conroe Hills MUD Montgomery	0.32	10	26.69	3	8.01			6	
12189-001	1014	0082830	Tex-Sun Parks, L.C. Harris	0.15	10	12.51	2	2.50			6	
12327-001	1009	0086011	Cypress Hill MUD No. 1 Harris	0.80	7	46.70	2	13.34			6	
12726-001	1014	0100161	Harris County MUD No. 155 Harris	1.55	10	129.27	2	25.85			6	
13048-001	1241	0001511	City of Post Garza	0.70					30	175.14	4	
13790-001	0506	0113999	Teen Mania Ministries, Inc. Smith	0.10					20	16.68	2	
13895-001	1206	0118834	Vernelle P. Ingram Parker	0.012					20	2.00	2	
14172-001	1009	0121126	Utilities Investment Co., Inc. Harris	0.183	10	15.26	3	4.58			4	
14231-001	1014	0123749	Grand Mission MUD No. 1 Fort Bend	1.00	10	83.40	2	16.68			6	

Water Quality Permit Number	Segment Number	NPDES Permit 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
14343-001	1014	0124851	Terrabrook Cinco Ranch Southwest, L.P. Fort Bend	1.25	10	104.25	2	20.85			6	
14466-001	0820	0126071	World Land Developers, L.P. Collin	0.246	5	10.26	2	4.10			4	
14468-001	1012	0126101	UA Holdings 1994-5 Montgomery	0.36	5	15.01	2	6.01			6	
14477-001	1250	0126195	Lower Colorado River Authority & Brazos River Authority Williamson	1.20	5	50.04	2	20.02			5	
14489-001	0702	0126276	James Nicholas Vratiss Galveston	0.005					20	0.834	2	
14490-001	1202	0126284	Pecan Grove 20, L.P. Fort Bend	0.040	10	3.34	3	1.00			4	
14495-001	1014	0126624	Gaston 1093, A Texas Joint Venture Fort Bend	0.25	10	20.85	2	4.17			6	
14497-001	1108	0126365	Gulf Coast Utility Co., Inc. Brazoria	0.099					10	8.26	4	
14498-001	0802	0126373	Dr. James Donald Smith, Jr. Liberty	0.035	10	2.92	3	0.88			4	
14500-001	0902	0126381	Jas M Properties No. 3 L.L.C. Harris	0.02	10	1.67	3	0.500			4	
14505-001	0819	0126454	2219 Kaufman Partners, L.P. Kaufman	0.72	7	42.03	2	12.01			5	
14512-001	1202	0123438	Long Point Estates, Inc. Fort Bend	0.03	10	2.50	3	0.75			4	
14514-001	1014	0126624	Richfield Investment Corp. Fort Bend	1.36	10	113.42	2	22.68			6	

