



September 7, 2004  
FINAL

# July 2004 Update to the Texas Water Quality Management Plan



# **July 2004 Update to the Texas Water Quality Management Plan**

Compiled by the

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

September 2004

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



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Published and distributed  
by the  
Texas Commission on Environmental Quality  
Water Quality Division  
Post Office Box 13087  
Austin, Texas 78711-3087  
(512) 239-4671

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# Table of Contents

Introduction .....	1
Projected Effluent Limit Updates .....	3

## Tables

Table 1. Projected Effluent Limit Updates .....	4
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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.<sup>1</sup>

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 updates<sup>2</sup>, 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 July 2004 WQMP update address the following topics:

1. Projected Effluent Limits Updates for water quality planning purposes

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

<sup>2</sup>Fiscal Years 1980, 1981, 1982, 1983, 1984/85, 1986/88, 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, 01/2004 and 04/2004.

The Projected Effluent Limit Updates section provides information compiled from May 1, 2004 through July 31, 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 <sub>5</sub> (mg/L)	CBOD <sub>5</sub> (lbs/day)	NH <sub>3</sub> -N (mg/L)	NH <sub>3</sub> -N (lbs/day)	BOD <sub>5</sub> (mg/L)	BOD <sub>5</sub> (lbs/day)	DO (mg/L)	Months/ Comments
10237-002	2482	0126641	City of Odem San Patricio	0.475	20	79.23	4	15.85			4	
10493-002	0504	0060801	City of Hemphill Sabine	0.40					20	66.72	4	
10834-001	0819	0024929	City of Crandall Kaufman	0.90	7	52.54	2	15.01			5	
10840-001	1402	0055077	City of Fayetteville Fayette	0.099	10	8.26	3	2.48			4	
10875-001	0601	0023795	Orange County WCID #1 Orange	0.75	10	62.55	3	18.77			4	
11076-002	1434	0126705	City of Bastrop Bastrop	5.0	10	417.00	2	83.40			5	
11142-002	1009	0046680	Timber Lane Utility District Harris	2.62	7	152.96	2	43.70			6	Mar.-Oct.
				2.62	10	218.51	3	65.55			5	Nov.-Feb.
11521-002	1012	0126721	City of Montgomery Montgomery	0.40	5	16.68	2	6.67			6	
11883-001	1014	0071625	Castlewood MUD Harris	2.360	10	196.82	2	39.37			6	
12780-001	1108	0093823	Southwood Estates, Inc. Brazoria	0.40	10	33.36	3	10.01			4	
13630-001	2107	0032387	City of Poteet Atascosa	0.64	5	26.69	1.5	8.01			4	

Water Quality Permit Number	Segment Number	NPDES Permit Number	Permittee Name/ County	Flow (MGD)	CBOD <sub>5</sub> (mg/L)	CBOD <sub>5</sub> (lbs/day)	NH <sub>3</sub> -N (mg/L)	NH <sub>3</sub> -N (lbs/day)	BOD <sub>5</sub> (mg/L)	BOD <sub>5</sub> (lbs/day)	DO (mg/L)	Months/ Comments
13648-001	1008	0042099	Encanto Real Utility District Harris	0.250	10	20.85	3	6.26			4	
13775-001	1014	0115894	Harris-Fort Bend County MUD Fort Bend	0.95	7	55.46	2	15.85			6	
13904-001	0814	0126616	The Salvation Army Ellis	0.050	10	4.17	3	1.25			4	
14039-001	2432	0117234	Walker Water Works, Inc. Brazoria	0.0924	10	7.71	3	2.31			4	
14140-001	1202	0120057	Fort Bend County MUD # 116 Fort Bend	0.98	10	81.73	3	24.52			4	
14173-001	1207	0121797	Scenic Point Northview, Inc. Palo Pinto	0.10	10	8.34	3	2.50			4	
14189-001	1434	0122840	Metro H2O, Ltd. Travis	0.84	5	35.03	2	14.01			4	
14194-001	1202	0123013	AquaSource Development Co. Fort Bend	0.225	10	18.77	2	3.75			4	
14197-001	1202	0123137	AUC Group, L.P. Fort Bend	0.48	10	40.03	3	12.01			4	
14510-001	0610	0126519	Carrizo Waste, Inc. Nacogdoches	0.01					30	2.50	2	

Water Quality Permit Number	Segment Number	NPDES Permit Number	Permittee Name/ County	Flow (MGD)	CBOD <sub>5</sub> (mg/L)	CBOD <sub>5</sub> (lbs/day)	NH <sub>3</sub> -N (mg/L)	NH <sub>3</sub> -N (lbs/day)	BOD <sub>5</sub> (mg/L)	BOD <sub>5</sub> (lbs/day)	DO (mg/L)	Months/ Comments
14516-001	0823	0126659	14875 Partners, Ltd. Collin	0.4375	10	36.49	3	10.95			4	
14517-001	1008	0125547	South Central Water Co. Harris	0.15	10	12.51	3	3.75			4	
14519-001	1014	0126527	Pensacola Palms Development Co., Inc. Harris	0.90	10	75.06	2	15.01			6	
14520-001	1014	0126675	Fort Bend County MUD #58 Fort Bend	0.90	10	75.06	2	15.01			6	
14521-001	1014	0126683	Woodmere Development Co., Ltd. Harris	0.189	10	15.76	2	3.15			6	
14522-001	0507	0126691	City of Hawk Cove Hunt	0.20	10	16.68	3	5.00			4	
14523-001	1004	0126713	Elan Land Investments, L.P. Harris	0.60	10	50.04	3	15.01			6	
14529-001	2307	0126772	El Paso County Water Improvement District El Paso	0.73					20	121.76	2	
14531-001	1004	0126799	JTM Housing, Ltd. & Quadvest, Inc. Montgomery	0.60	10	50.04	3	15.01			6	
14536-001	1011	0126853	Flying J, Inc. Montgomery	0.050	10	4.17	3	1.25			4	