October 2025 Update to the Texas Water Quality Management Plan

Prepared by
Water Quality Division, Office of Water

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Prepared by the
Office of Water
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Draft WQMP updates for public comment are available on the TCEQ webpage:
www.tceq.texas.gov/permitting/wqmp/WQmanagement_comment.html

Developed in accordance with Sections 205(j), 208,
and 303 of the 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 (WWTF) planning process developed and updated in accordance with provisions of Sections 205(j), 208, and 303 of the 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 CWA 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. 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 groundwater 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[2], will become part of the WQMP after completion of the public comment period, certification by TCEQ, and approval by the United States Environmental Protection Agency (EPA).

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

[1] See the formal definition of a water quality management plan in Title 40 Code of Federal Regulations (CFR) 130.2(k).

[2] Fiscal Years 1974, 1975, 1977, 1978, 1979, 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, 07/2009, 10/2009, 01/2010, 04/2010, 07/2010,10/2010, 01/2011, 04/2011, 07/2011, 10/2011, BPUB 2011, 01/2012, 04/2012, 07/2012,10/2012, 01/2013, 04/2013, 07/2013,10/2013, 01/2014, 04/2014, 07/2014, 10/2014, 01/2015, 04/2015, 07/2015, 10/2015, 01/2016, 04/2016, 07/2016, 10/2016, 01/2017, 04/2017, 07/2017, 10/2017, 01/2018, 04/2018, 07/2018, 10/2018, 01/2019, Terra Verde 2019, 04/2019, 07/2019, 10/2019, 01/2020, 04/2020, and 07/2020, 10/2020, 01/2021, 04/2021, 07/2021, 10/2021, 01/2022, 04/2022, 07/2022, 10/2022, 01/2023, 04/2023, 7/2023, 10/2023, 01/2024, 04/2024, 07/2024, 10/2024, 1/2025, 04/2025, and 07/2025.

The draft October 2025 WQMP update addresses the following topics for water quality planning purposes:

1. Projected Effluent Limits Updates
2. Service Area Population for Municipal WWTFs
3. Designation of Management Agencies for Municipal WWTFs
4. TMDL Updates

The public comment period for the draft October WQMP update will be from November 14, 2025 through December 17, 2025.

The "Projected Effluent Limit Update" section provides information compiled from August 1, 2025 through October 31, 2025 and is based on the Texas Surface Water Quality Standards (TSWQS). Projected effluent limits may be used for water quality planning purposes in Texas Pollutant Discharge Elimination System (TPDES) permit actions.

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

The "Total Maximum Daily Load Update" section provides information on proposed wasteload allocations (WLAs) for new dischargers and revisions to existing TMDLs and was developed by the TCEQ TMDL Program in the Water Quality Planning Division.

Projected Effluent Limit Updates

Table 1 reflects proposed effluent limits for new dischargers and preliminary revisions to original proposed effluent limits for preexisting dischargers. Abbreviations used in the table heading include:

- BOD_5–5-Day Biochemical Oxygen Demand
- $CBOD_5$–5-Day Carbonaceous Biochemical Oxygen Demand
- DO–Dissolved Oxygen
- lbs/day–Pounds per Day
- MGD–Million Gallons per Day
- mg/L–Milligrams per Liter
- NH_3-N–Ammonia-Nitrogen

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 the TSWQS effective at the time of the production of this update. The TSWQS are subject to revision on a triennial basis.

Table 1. Projected Effluent Limit Updates

State Permit Number	Segment Number	EPA ID Number	Permittee Name and 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
10701-002	0810	TX0118621	City of Rhome Wise	0.6	5	25.02	2	10.01			4	
10891-001	1247	TX0071030	City of Granger Williamson	0.99	7	57.80	2	16.51			5	
10948-001	1202	TX0023809	City of Hempstead Waller	4	7	233.52	2	66.72			4	
12242-001	1002	TX0084042	Porter Municipal Utility District Montgomery	6	7	350.28	2	100.08			6	
13367-001	1108	TX0102385	City of Arcola Fort Bend	4.6	5	191.82	2	76.73			6	
13872-001	1108	TX0118397	City of Manvel Brazoria	0.5	10	41.70	3	12.51			5	Outfall 001
				5	5	208.50	2	83.40			6	Outfall 002
14285-001	1010	TX0124281	C&R Water Supply, Inc. Montgomery	0.995	10	82.98	3	24.89			4	
14577-002	0820	TX0145971	City of Lavon Collin	2.62	5	109.25	1.5	32.78			6	

State Permit Number	Segment Number	EPA ID Number	Permittee Name and 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
15399-001	2456	TX0136531	CSWR Texas Utility Operating Company, LLC Jackson	0.06					10	5.00	4	
15432-001	1002	TX0136816	Utilities Investment Company, Inc. Harris	0.65	10	54.21	2	10.84			6	
16504-001	1008	TX0145769	Quadvest, L.P. Montgomery	0.125	10	10.43	3	3.13			4	
16508-001	1202	TX0145807	Fort Bend County Municipal Utility District No. 210 Fort Bend	1.125	10	93.83	3	28.15			4	
16544-001	0202	TX0146064	Campaholics Country, LLC Grayson	0.03	10	2.54	3	0.76			4	
16557-001	0507	TX0146170	Bishop Airfield II, LLC Hunt	1.18	10	98.41	3	29.52			4	
16563-001	1202	TX0146234	Blumberg 209, LLC Waller	0.25	10	20.85	3	6.26			4	
16569-001	0805	TX0146285	Lancaster Municipal Utility District No. 1 Ellis	0.395	10	32.94	3	9.88			4	

State Permit Number	Segment Number	EPA ID Number	Permittee Name and 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
16592-001	1105	TX0146463	Bonney WWTP LLC Brazoria	0.5	10	41.70	3	12.51			5	
16602-001	1202	TX0146501	City of Sugar Land Fort Bend	6	10	500.40	3	150.12			6	
16607-001	1010	TX0146528	LMD Investments Limited Partnership Montgomery	0.995	10	82.98	2	16.60			5	
16611-001	0821	TX0146544	FM 2933 Farm and Ranch, LLC Collin	0.35	10	29.19	3	8.76			4	
16644-001	1806	TX0146781	Lennar Homes of Texas Land and Construction, Ltd. Kendall	0.6	5	25.02	2	10.01			5	
16645-001	1202	TX0146790	TNHC Texas LLC Waller	0.75	7	43.79	2	12.51			4	
16652-001	1014/1245	TX0146846	D.R. Horton - Texas, Ltd. Fort Bend	0.6	10	50.04	3	15.01			4	Flow is a combined total for outfalls 001 and 002.
16653-001	1808	TX0146854	Lennar Homes of Texas Land and Construction, LTD and Kingsbury Estates, LLC Guadalupe	0.6	5	25.02	2	10.01			4	

State Permit Number	Segment Number	EPA ID Number	Permittee Name and 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
16657-001	0831	TX0146889	LaSalle Ranch LLC Parker	0.6	10	50.04	3	15.01			6	
16660-001	1805	TX0146919	Lennar Homes of Texas Land and Construction, Ltd., Bobbie J. Neff and Jeanette R. Morris Comal	0.6	5	25.02	2	10.01			4	
16678-001	1014	TX0147036	Woodmere Development Co. LTD Harris	0.64	5	26.69	2	10.68			5	
16686-001	1015	TX0147095	Keenan North Development, Ltd. Montgomery	0.495	7	28.90	2	8.26			5	
16696-001	0814	TX0147192	MLCED Grandview Utility, LLC Johnson	0.95	7	55.46	2	15.85			4	
16702-001	1810	TX0147257	Bar H Ranches Partnership, LTD Caldwell	0.25	5	10.43	2	4.17			5	
16704-001	0507	TX0147273	Caddo FCRS 5 LLC Hunt	0.99	10	82.57	3	24.77			4	
16711-001	0821	TX0147338	Allied Development LLC Collin	0.175	5	7.30	2	2.92			4	

State Permit Number	Segment Number	EPA ID Number	Permittee Name and 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
16739-001	1012	TX0146595	FM 149 Utilities LLC Montgomery	0.025	10	2.09	3	0.63			4	
16745-001	1001	TX0147567	Generation Park Management District & MRA Northeast LP Harris	2.8	5	116.76	2	46.70			6	

Planning Information Summary

The Water Quality Planning Division of TCEQ coordinated with TWDB and regional planning agencies to compile the wastewater facility information in this section. Domestic facility financing decisions under the State Revolving Fund (SRF) loan 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 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 WWTF, additional treatment capacity, or the upgrading of a WWTF 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. A "F" indicates a need for flood mitigation.
4. *Needs Year* – The year in which the needs were identified for the planning area.
5. *Basin Name* – The river basin or designated planning entity for a designated planning area. The seven water quality management planning areas designated by the Governor are each administered by a Council of Governments (COG), a Development Council (DC), or a Planning Council (PC). Basin names are shown for areas outside one of these planning areas. The designated planning areas and their associated administering entities are:
    a. Corpus Christi – Coastal Bend COG (CBCOG)
    b. Killeen-Temple – Central Texas COG (CTCOG)
    c. Texarkana – Ark-Tex COG (ATCOG)
    d. Southeast Texas – South East Texas Regional Planning Council (SETRPC)
    e. Lower Rio Grande Valley – Lower Rio Grande Valley Development Council (LRGVDC)
    f. Dallas-Fort Worth – North Central Texas COG (NCTCOG)

g. Houston – Houston-Galveston Area Council (H-GAC)

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 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 used 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 must be as established in the completed and certified, detailed engineering studies conducted during facility planning under the SRF and other state loan programs.

Specific recommended effluent quality for any wastewater discharges resulting from any of the facilities in this document will be in accordance with the rule in the TSWQS in effect at the time the permit is issued for a 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
City of Athens	City Boundary	T	2060	Trinity	0804/ 0818	Henderson	7/31/2025		2023	12848
									2030	15906
									2040	17294
									2050	19125
City of Cotulla	City Boundary	C	2045	Nueces	2117	Frio	10/30/2025		2025	7685
									2030	8550
									2040	9781
									2050	10640

Designated Management Agencies

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 CWA (see below list of requirements). Before an entity can apply for an SRF 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 those services. The facilities listed in Table 3 have submitted DMA resolutions to TCEQ. TCEQ submits this DMA information to 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

Planning Agency	Service Area	DMA Needs	DMA Date
City of Athens	City Boundary	T	11/11/2024
City of Cotulla	City Boundary	C	8/21/2025

Total Maximum Daily Load Revisions

The 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 CWA.

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, TCEQ and stakeholders develop an implementation plan with WLAs for point source dischargers to mitigate human-caused sources of pollution within the watershed and restore full use of the water body.

TMDLs are developed based on intensive data collection and scientific analysis. After adoption by TCEQ, TMDLs are submitted to EPA for review and approval.

The attached appendixes may reflect proposed WLAs for new dischargers and/or additions or revisions to TMDLs. Updates and addendums will be provided in the same units of measure used in the original TMDL document and will include the segment and assessment unit (AU) numbers of the affected segments. Also, note that for bacteria TMDLs, loads will typically be expressed as colony-forming units per day (cfu/day). On occasion, other expressions may be used due to different laboratory methods, such as counts or most probable number per day. For the purposes of the TMDL program, these terms are considered to be synonymous.

Appendix I. Eighteen TMDLs for Bacteria in Buffalo and Whiteoak Bayous and Tributaries

Assessment Units 1013_01, 1013A_01, 1013C_01, 1014_01, 1014M_01, 1014N_01, 1014O_01, 1017_01, 1017_02, 1017_03, 1017_04, 1017A_01, 1017B_02, 1017D_01, 1017E_01, 1014A_01, 1014B_01, 1014E_01,1014H_01, 1014H_02, 1014K_01, 1014K_02, 1014L_01

This appendix supersedes the previous update for these TMDLs previously submitted in the July 2025 update to Texas' WQMP for: Buffalo and Whiteoak Bayous and Tributaries (Segments 1013, 1013A, 1013C, 1014, 1014A, 1014B, 1014E, 1014H, 1014K, 1014L, 1014M, 1014N, 1014O, 1017, 1017A, 1017B, 1017D, and 1017E).

The original report, *Eighteen Total Maximum Daily Loads for Bacteria in Buffalo and Whiteoak Bayous and Tributaries,* was adopted by TCEQ on April 8, 2009 and approved by EPA on June 11, 2009. Upon EPA approval, the TMDLs became part of the state's WQMP.

The Texas WQMP has been updated 41 times prior to this update for this TMDL. The previous updates have revised the list of individual waste load allocations (WLA) in the original TMDL document.

The purpose of this update is to make the following change to the TMDLs (Table I-1):

- Add one new permit.

The changes reflected in this update resulted in the shifting of allocations between the sum of the individual WLAs and the allowance for future growth (FG) in one assessment unit (AU). This was originally presented in Table 53 in the original TMDL document which has since been updated through the WQMP process as described above. The affected AU in this update is included here as Table I-2. Please note that some calculations completed in the remainder of this appendix have been rounded and may not lead to the exact final amounts listed in the tables.

Table I-1 - Changes to individual WLAs for the TMDL watersheds

Updates Table 45, p. 99-103 in the original TMDL document.

The WLA is expressed in *E. coli* billion MPN/day.

State Permit Number	Outfall	EPA Permit Number	AU	Permittee Name	Flow (MGD)	Waste Load Allocation (WLA)	TMDL/ Comments
16678-001	001	TX0147036	1014A_01	WOODMERE DEVELOPMENT CO. LTD	0.640	1.526	New Permit

Table I-2 - TMDL summary calculations for one AU in the TMDL watershed

Table updated based on previously completed WQMP updates for these TMDLs.

All loads expressed as billion MPN/day.

AU	TMDL	WLA $_{WWTF}$	WLA $_{SW}$	LA	MOS	Upstream Load	FG
1014A_01	195.04	34.25	141.2	15.69	0	0	3.90

Abbreviations: WLA_{wwtf} – Wasteload Allocation for Wastewater Treatment Facilities, WLA_{sw} – Wasteload Allocation for Regulated Stormwater, LA – Load Allocation, MOS – Margin of Safety

Appendix II. Updates to Seven TMDLs for Indicator Bacteria in Lake Houston, East Fork San Jacinto River, West Fork San Jacinto River, and Crystal Creek Watersheds

Segments 1002, 1003, 1004, and 1004D

This appendix supersedes the previous update for these TMDLs previously submitted in the July 2025 update to Texas' WQMP for: Lake Houston, East Fork San Jacinto River, West Fork San Jacinto River, and Crystal Creek Watersheds.

The report, *Seven Total Maximum Daily Loads for Indicator Bacteria in Lake Houston, East Fork San Jacinto River, West Fork San Jacinto River, and Crystal Creek Watersheds for Segments 1002, 1003, 1004, and 1004D,* was adopted by TCEQ on August 24, 2016 and approved by EPA on October 7, 2016. Upon EPA approval, the TMDLs became part of the state's WQMP.

The Texas WQMP has been updated 20 times prior to this update for these TMDLs. The previous updates have revised the list of individual WLAs in the original TMDL document. Additionally, TCEQ has submitted several addenda related to the original TMDLs in the October 2018 WQMP update, the January 2023 WQMP update, and, most recently, the April 2024 WQMP update. These addenda added three new AUs to the original TMDL project.

The purpose of this update is to make the following change to the TMDLs (Table II-1):

- Add one new permit.

The changes reflected in this update resulted in the shifting of allocations between the sum of the individual WLAs and the allowance for FG in three AUs. This was originally presented in Table 17 in the original TMDL document. The AUs affected in this update are included here as Table II-2. Please note that some calculations completed in the remainder of this appendix have been rounded and may not lead to the exact final amounts listed in the tables.

Table II-1 - Changes to individual WLAs for the TMDL watersheds

Updates Table 13, p. 54-55 in the original TMDL document.

The WLA is expressed in billion MPN/day *E. coli*.

State Permit Number	Outfall	EPA Permit Number	AU	Permittee Name	Flow (MGD)	WLA	TMDL Comments
16686-001	001	TX0147095	1015A_01[a]	KEENAN NORTH DEVELOPMENT, LTD.	0.495	1.1805	New permit

[a] Mound Creek (1015A) is a tributary to Lake Creek, which discharges to West Fork San Jacinto River AU 1004_02.

Table II-2 - TMDL summary calculations for three AUs in the TMDL watersheds

Table updated based on previously completed WQMP updates for these TMDLs.

All loads expressed as billion MPN/day *E. coli*.

AU	Segment Name	TMDL	MOS	WLA WWTF	WLA SW	LA AU	LA TRIB	LA RES	LA TOTAL	FG
1004_01	West Fork San Jacinto River	2,779	88.77	108.31	196.81	1,294.21	44.86	958.7	2,297.77	87.34
1004_02	West Fork San Jacinto River	1,141	9.12	51.40	4.04	75.26	0	958.7	1,033.96	42.48
1002_06	Lake Houston	6,197	106.57	111.59	288.17	1,535.70	3,106.90	958.7	5,601.30	89.37

The permit for one new facility (16686-001/TX0147095) affects the loadings of the original TMDL AUs 1002_06, 1004_01, and 1004_02 as well as 1015A_01, included in the October 2018 addendum to this TMDL project (*Addendum One to Seven Total Maximum Daily Loads for Indicator Bacteria in Lake Houston, East Fork San Jacinto River, West Fork San Jacinto River, and Crystal Creek Watersheds: One Total Maximum Daily Load for Indicator Bacteria in Mound Creek For Segment 1015A, Assessment Unit 1015A_01*).

Table II-3 and Table II-4 below provide updates to Table 9 and Table 10 found in the October 2018 addendum to this TMDL project. This AU (1015A_01) was included as contributing loading to AUs 1002_06, 1004_01, and 1004_02 in the original TMDL document.

For AU 1015A_01, the existing FG allocation was insufficient to cover the increased flow to the AU for this update. To account for this, the total amount exceeded beyond the original FG allocation was added to the total TMDL allocation for AU 1015A_01. This change in flow resulted in a change to the overall TMDL allocation for the AU, which has been updated in Tables II-4 and II-5.

Table II-3 - Changes to individual WLAs for the TMDL addendum watershed

Updates Table 9, p. 19 in the TMDL addendum document.

The WLA is expressed in billion MPN/day *E. coli*.

State Permit Number	Outfall	EPA Permit Number	AU	Permittee Name	Flow (MGD)	WLA	TMDL Comments
16686-001	001	TX0147095	1015A_01	KEENAN NORTH DEVELOPMENT, LTD.	0.495	1.1805	New permit

Table II-4 - TMDL summary calculations for one AU in the TMDL addendum watershed

Table updated based on previously completed WQMP updates for these TMDLs.

All loads expressed as billion MPN/day *E. coli*.

AU	Segment Name	TMDL	MOS	WLA WWTF	WLA SW	LA	FG
1015A_01	Mound Creek	85.147	4.122	4.305	0.614	76.106	0.000

Table II-5 – Final TMDL calculations for one AU in the TMDL addendum watershed

Table updated based on previously completed WQMP updates for these TMDLs.

All loads expressed as billion MPN/day *E. coli*.

AU	Segment Name	TMDL	WLA WWTF	WLA SW	LA	MOS
1015A_01	Mound Creek	85.147	4.305	0.614	76.106	4.122

Appendix III. Updates to Fifteen TMDLs for Indicator Bacteria in Watersheds Upstream of Lake Houston

Segments 1004E, 1008, 1008H, 1009, 1009C, 1009D, 1009E, 1010, and 1011

This appendix supersedes the previous update for these TMDLs previously submitted in the July 2025 update to Texas' WQMP for: Watersheds Upstream of Lake Houston.

The report, *Fifteen Total Maximum Daily Loads for Indicator Bacteria in Watersheds Upstream of Lake Houston for Segment Numbers 1004E, 1008, 1008H, 1009, 1009C, 1009D, 1009E, 1010, and 1011,* was adopted by TCEQ on April 6, 2011 and approved by EPA on June 29, 2011. Upon EPA approval, the TMDLs became part of the state's WQMP.

The Texas WQMP has since been updated 50 times prior to this update for these TMDLs. The previous updates have revised the list of individual WLAs in the original TMDL document. Additionally, TCEQ submitted four addenda to the original TMDLs in the October 2013, October 2019, October 2020, and April 2022 WQMP updates. These addenda added 10 new AUs to the original TMDL project.

The purpose of this update is to make the following changes to the TMDLs (Table III-1):

- Add three new permits
- Increase the flow for one existing permit
- Remove one cancelled permit

The changes reflected in this update resulted in the shifting of allocations between the sum of the individual WLAs and the allowance for FG in five AUs. This was originally presented in Table 18 in the original TMDL document which has since been updated through the WQMP process as described above. The five affected AUs in this update are included here as Table III-2.

For AUs 1008_02, 1010_02 and 1010_04, the existing FG allocations were insufficient to cover the increased flow to the AUs for this update. To account for this, the total amount exceeded beyond the original FG allocation was added to the total TMDL allocation for each AU. These changes in flow resulted in a change to the overall TMDL allocation for each AU, which have been updated in Tables III-2 and III-3. Please note that some calculations completed in the remainder of this appendix have been rounded and may not lead to the exact final amounts listed in the tables.

Table III-1 - Changes to individual WLAs for the TMDL watershed

Updates Table 16, p. 49-56 in the original TMDL document.

The WLA is expressed in billion MPN/day *E. coli*.

State Permit Number	Outfall	EPA Permit Number	AU	Permittee Name	Flow (MGD)	WLA	TMDL Comments
16504-001	001	TX0145769	1008_04	QUADVEST, L.P.	0.125	0.298	New permit
16607-001	001	TX0146528	1010_02	LMD INVESTMENTS LIMITED PARTNERSHIP	0.995	2.373	New permit
16647-001	001	TX0146803	1010_04	HYDROTEX LLC	0.2	0.477	New permit
14285-001	001	TX0124281 [a]	1010_03	C&R WATER SUPPLY, INC.	0.995	2.373	Increase final flow
16209-001	001	TX0143391 [b]	1008_02	VISTA VIEW MOBILE HOMES, LLC	N/A	N/A	Cancelled permit

[a] Permit listed in the original TMDL.

[b] Permit added as part of a previous WQMP update.

Table III-2 - TMDL summary calculations for five AUs in the TMDL watershed

Table updated based on previously completed WQMP updates for these TMDLs.

All loads expressed as billion MPN/day *E. coli*.

AU	Sampling Location	Segment Name	TMDL	WLA $_{WWTF}$	WLA $_{SW}$	LA	MOS	FG
1008_02	11314	Spring Creek	300.74	19.94	71.9	194.5	14.4	0.00
1008_03	11313	Spring Creek	1420	145.06	322	869	70.9	13.04
1008_04	11312	Spring Creek	1,510	181.03	334	902	75.7	17.27
1010_02	14241	Caney Creek	255.62	12.52	30	200.8	12.3	0.00
1010_04	11334	Caney Creek	507.50	41.60	57.4	383.8	24.7	0.00

Table III-3 - TMDL final calculations

Table updated based on previously completed WQMP updates for these TMDLs.

All loads expressed as billion MPN/day *E. coli*.

AU	TMDL	WLA $_{WWTF}$	WLA $_{SW}$	LA $_{TOTAL}$	MOS
1008_02	300.74	19.94	71.9	194.5	14.4
1010_02	255.62	12.52	30	200.8	12.3
1010_04	507.50	41.60	57.4	383.8	24.7

In addition, Table III-4 below provides an update to Table 9 found in the October 2019 addendum to this TMDL project (*Addendum Two to Fifteen Total Maximum Daily Loads for Indicator Bacteria in Watersheds Upstream of Lake Houston for Segments 1008J and 1010C*). Two of the permits discussed earlier in this update also affects two AUs in this addendum.

Table III-5 below provides an update to Table 10 found in the October 2019 addendum to this TMDL project. The addendum added two AUs that were not included in the original TMDL. Two AUs were affected by this update: 1010C_01 and 1008J_01. AU 1010C_01 was included as an upstream loading to 1010_04 in the original TMDL. One of the permits listed earlier (16647-001/ TX0146803) affects the loading of 1010C_01 as well as the original TMDL AU 1010_04. Similarly, AU 1008J_02 was included as an upstream loading to 1008_02 in the original TMDL. Another permit listed earlier (16209-001/ TX0143391) affects the loading of AU 1008J_02 as well as the original TMDL AU 1008_02.

For AUs 1010C_01 and 1008J_02, the existing FG allocations were insufficient to cover the increased flow to the AUs for this update. To account for this, the total amount exceeded beyond the original FG allocation was added to the total TMDL allocation for each AU. This resulted in a change to the overall TMDL allocation for the two AUs, which have been updated in Tables III-5 and III-6.

Table III-4 - Changes to individual WLAs in the TMDL watershed

Updates Table 9, p. 17 in the TMDL addendum document.

The WLA is expressed in billion MPN/day *E. coli*.

Watershed (AU)	TPDES Permit No.	NPDES Permit No.	Permittee	Full Permitted Flow (MGD)	*E. coli* WLA_{WWTF}	TMDL Comments
Spring Branch (1010C_01)	16647-001	TX0146803	HydroTex LLC	0.2	0.477	New Permit
Brushy Creek (1008J_01)	16209-001[a]	TX0143391	Vista View Mobile Homes, LLC	N/A	N/A	Cancelled Permit

[a] Permit listed in the October 2022 WQMP update.

Table III-5 - TMDL summary calculations for two AUs in the TMDL watershed

Table updated based on previously completed WQMP updates for these TMDLs.

All loads expressed as billion MPN/day *E. coli*.

Stream Name	AU	TMDL	WLA $_{WWTF}$	WLA $_{SW}$	LA	FG	MOS
Brushy Creek	1008J_01	202.024	1.477	8.059	182.457	0.000	10.031
Spring Branch	1010C_01	138.203	6.284	4.682	120.517	0.000	6.72

Table III-6 – TMDL addendum final calculations

Table updated based on previously completed WQMP updates for these TMDLs.

All loads expressed as billion MPN/day *E. coli*.

AU	TMDL	WLA $_{WWTF}$	WLA$_{SW}$	LA	MOS
1008J_01	202.024	1.477	8.059	182.457	10.031
1010C_01	138.203	6.284	4.682	120.517	6.72

Lastly, Table III-7 below provides an update to Table VII-8 found in the April 2022 addendum to this TMDL project (*Addendum Four to Fifteen Total Maximum Daily Loads for Indicator Bacteria in Watersheds Upstream of Lake Houston: One Total Maximum Daily Load for Indicator Bacteria in Caney Creek for AU 1010_03*). Two of the permits discussed earlier in this update also affect one AU in this addendum.

Table III-8 below provides updates to Table VII-9 found in the April 2022 addendum to this TMDL project. The addendum added one AU that was not included in the original TMDL. The AU affected here (1010_03) receives upstream loading from 1010_02 in the original TMDL. The two permits (16607-001/TX0146528; 14285-001/TX0124281) affect the loading of 1010_03 as well as the original TMDL AU 1010_02.

In Table VII-10 of the addendum TMDL, the WLAs for permitted facilities are the sum of the individual WLAs and the allowance for FG within each AU. This overall number did not change; Table VII-10 of the original TMDL remains the same.

Table III-7 - Changes to individual WLAs in the Caney Creek watershed

Updates Table VII-8, p. 20-21 in the TMDL addendum document.

The WLA is expressed in billion MPN/day *E. coli*.

State Permit Number	Outfall	EPA Permit Number	AU	Permittee Name	Flow (MGD)	WLA	TMDL Comments
16607-001	001	TX0146528	1010_02	LMD Investments Limited Partnership	0.995	2.373	New permit
14285-001[a]	001	TX0124281	1010_03	C&R Water Supply, Inc.	0.995	2.373	Increased flow

[a] Permit listed in the original TMDL.

Table III-8 - TMDL summary calculations for one AU in the Caney Creek watershed

Table updated based on previously completed WQMP updates for these TMDLs.

All loads expressed as billion MPN/day *E. coli*.

Water Body	AU	TMDL	MOS	WLA WWTF	WLA SW	LA	FG
Caney Creek	1010_03	237.441	11.872	17.50	12.977	188.219	6.87

Appendix IV. Updates to Two TMDLs for Indicator Bacteria in the Navasota River below Lake Limestone

Segment 1209

This appendix supersedes the previous update for these TMDLs previously submitted in the July 2025 update to Texas' WQMP for: Navasota River below Lake Limestone.

The original report, *Two Total Maximum Daily Loads for Indicator Bacteria in the Navasota River below Lake Limestone for Segment 1209,* was adopted by TCEQ on August 28, 2019 and approved by EPA on October 25, 2019. Upon EPA approval, the TMDLs became part of the state's WQMP.

The Texas WQMP has since been updated one time prior to this update for these TMDLs.

The purpose of this update is to make the following changes to the TMDLs (Table IV-1):

- Add one new permit
- Remove one expired permit

The changes reflected in this update resulted in the shifting of allocations between the sum of the individual WLAs and the allowance for FG in two AUs. This was originally presented in Table 16 in the original TMDL document which has since been updated through the WQMP process as described above. The two affected AUs in this update are included here as Table IV-2.

For AU 1209_03, the existing FG allocations were insufficient to cover the increased flow to the AU for this update. To account for this, the total amount exceeded beyond the original FG allocation was added to the total TMDL allocation for AU 1209_03. This change in flow resulted in a change to the overall TMDL allocation for one AU, which have been updated in Tables IV-2 and IV-3. Please note that some calculations completed in the remainder of this appendix have been rounded and may not lead to the exact final amounts listed in the tables.

Table IV-1 - Changes to individual WLAs for the TMDL watershed

Updates Table 12, p. 35 in the original TMDL document.

The WLA is expressed in billion MPN/day *E. coli*.

State Permit Number	Outfall	EPA Permit Number	AU	Permittee Name	Flow (MGD)	WLA	TMDL Comments
10824-002	001	TX0147028	1209_05	CITY OF THORNTON	0.041	0.196	New permit replacing expired permit 10824-001/TX0075639
10824-001	001	TX0075639[a]	1209_05	CITY OF THORNTON	N/A	N/A	Expired permit

[a] Permit listed in the original TMDL.

Table IV-2 - TMDL summary calculations for two AUs in the TMDL watershed

Table updated based on previously completed WQMP updates for these TMDLs.

All loads expressed as billion MPN/day *E. coli*.

AU	TMDL	WLA WWTF	WLA SW	LA	FG	MOS
1209_03	11,084.858	0.949	136.885	10,392.798	0	554.226
1209_05	3,500.666	0.482	73.150	3,251.858	0.143	175.033

Table IV-3 – Final TMDL summary calculations for one AU in the TMDL watershed

Table updated based on previously completed WQMP updates for these TMDLs.

All loads expressed as billion MPN/day *E. coli*.

AU	TMDL	WLA WWTF	WLA SW	LA	MOS
1209_03	11,084.858	0.949	136.885	10,392.798	554.226