



# January 2025 Update to the Texas Water Quality Management Plan

---

Prepared by  
Water Quality Division, Office of Water

TCEQ SFR-121/2025-02  
March 2025

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY • PO BOX 13087 • AUSTIN,  
TX 78711-3087

---

TCEQ is an equal opportunity employer. The agency does not allow discrimination on the basis of race, color, religion, national origin, sex, disability, age, sexual orientation, or veteran status. In compliance with the Americans with Disabilities Act, this document may be requested in alternate formats by contacting TCEQ at 512-239-0010, or 800-RELAY-TX (TDD), or by writing PO Box 13087, Austin TX 78711-3087. We authorize you to use or reproduce any original material contained in this publication—that is, any material we did not obtain from other sources. Please acknowledge TCEQ as your source. For more information on TCEQ publications, visit our website at: [tceq.texas.gov/publications](https://tceq.texas.gov/publications)

How is our customer service? [tceq.texas.gov/customersurvey](https://tceq.texas.gov/customersurvey)

Prepared by the  
Office of Water  
Water Quality Division

WQMP updates are available on the TCEQ webpage:  
[www.tceq.texas.gov/permitting/wqmp/WQmanagement\\_updates.html](http://www.tceq.texas.gov/permitting/wqmp/WQmanagement_updates.html)

Developed in accordance with Sections 205(j), 208,  
and 303 of the Clean Water Act  
and applicable regulations thereto.

## Contents

Introduction.....	1
Projected Effluent Limit Updates .....	3
Planning Information Summary.....	6
Designated Management Agencies.....	9
Total Maximum Daily Load Revisions.....	10

## Appendixes

Appendix I. Updates to Two TMDLs for Indicator Bacteria in Big Creek.....	11
Appendix II. Updates to Eight TMDLs for Indicator Bacteria in Dickinson Bayou and Three Tidal Tributaries .....	13
Appendix III. Updates to Fifteen TMDLs for Indicator Bacteria in Watersheds Upstream of Lake Houston .....	15
Appendix IV. Updates to Two TMDLs for Indicator Bacteria in Oyster Creek .....	17

## Tables

Table 1. Projected Effluent Limit Updates.....	4
Table 2. Service Area Population Updates.....	8
Table 3. Designated Management Agencies .....	9
Table I-1 - Changes to individual WLAs for the TMDL watershed.....	12
Table I-2 - TMDL summary calculations for two AUs in the TMDL watershed .....	12
Table II-1 - Changes to individual WLAs for the TMDL watershed .....	14
Table II-2 - TMDL summary calculations for one AU in the TMDL watershed.....	14
Table III-1 - Changes to individual WLAs for the TMDL watershed.....	16
Table III-2 - TMDL summary calculations for two AUs in the TMDL watershed .....	16
Table IV-1 - Changes to individual WLAs for the TMDL watershed .....	18
Table IV-2 - TMDL summary calculations for two AUs in the TMDL watershed.....	18



## 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.<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 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<sup>2</sup>, 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.

---

<sup>1</sup> See the formal definition of a water quality management plan in Title 40 Code of Federal Regulations (CFR) 130.2(k).

<sup>2</sup> 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, and 10/2024.

The January 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 January WQMP update was from February 7, 2025 through March 11, 2025.

The “Projected Effluent Limit Update” section provides information compiled from November 1, 2024 through January 31, 2025 and is based on Texas water quality standards (WQS). 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<sub>5</sub>–5-Day Biochemical Oxygen Demand
- CBOD<sub>5</sub>–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<sub>3</sub>-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 Texas WQS effective at the time of the production of this update. The WQS are subject to revision on a triennial basis.

**Table 1. Projected Effluent Limit Updates**

<b>State Permit Number</b>	<b>Segment Number</b>	<b>EPA ID Number</b>	<b>Permittee Name and County</b>	<b>Flow (MGD)</b>	<b>CBOD<sub>5</sub> (mg/L)</b>	<b>CBOD<sub>5</sub> (lbs/day)</b>	<b>NH<sub>3</sub>-N (mg/L)</b>	<b>NH<sub>3</sub>-N (lbs/day)</b>	<b>BOD<sub>5</sub> (mg/L)</b>	<b>BOD<sub>5</sub> (lbs/day)</b>	<b>DO (mg/L)</b>	<b>Months/ Comments</b>
14814-001	1015	TX0129674	Montgomery County Municipal Utility District No. 113 Montgomery	1.3	5	54.21	1.8	19.52			6	
16475-001	1427	TX0145564	Allied Development LLC Hays	0.045	5	1.88	2	0.75			4	
16535-001	0830	TX0146005	MLCED Southard Farms Utility LLC Johnson	0.975	5	40.66	2	16.26			4	
16548-001	1242	TX0146099	South Central Water Company Bell	0.6	7	35.03	2	10.01			6	
16549-001	1248	TX0146102	Lakshmi Land Group LLC Williamson	0.9	10	75.06	2	15.01			6	
16556-001	0823	TX0146161	D.R. Horton – Texas, Ltd. Denton	0.9	5	37.53	2	15.01			4	
16558-001	1244	TX0146188	South Central Water Company Williamson	0.8	10	66.72	2	13.34			6	
16561-001	0823	TX0146218	Denton Stuart Ridge, LLC Denton	0.95	7	55.46	2	15.85			4	



State Permit Number	Segment Number	EPA ID Number	Permittee Name and 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
16562-001	1202	TX0146226	Century Communities, Inc. Waller	0.72	7	42.03	2	12.01			4	
16566-001	0819	TX0146269	Oak National Holdings, LLC Kaufman	0.125	5	5.21	2	2.09			5	
16568-001	1428	TX0146277	BGICO, LLC Travis	3.15	5	131.36	2	52.54			5	
16570-001	1202	TX0146293	Phhou – Benton Road 200, LLC Fort Bend	0.2	10	16.68	3	5.00			4	
16572-001	0823	TX0146315	TCCI Sanctuary WWTP LLC Denton	1.25	10	104.25	3	31.28			5	
16594-001	1810	TX0146471	Camino Real Utility Company LLC Caldwell	0.6	5	25.02	2	10.01			4	

## 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 Texas WQS 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
Palo Pinto County	Project Service Area	T	2010	Brazos NCTCOG	1206	Palo Pinto County	1/13/2025		2010	330
									2020	330
									2030	320
									2040	302
City of Terrell	Project Service Area	C	2040	Trinity NCTCOG	0818	Kauffman	1/22/2025		2024	22754
									2030	49973
									2040	60000
									2050	90869
City of Mount Vernon	Utility Boundary	T/C	2023	Sulphur ATCOG	0303	Franklin	1/22/2025		2020	2877
									2030	3006
									2040	3084
									2050	3161
Guadalupe-Blanco RA	Project Service Area	T/C	2035	Guadalupe	1810	Hays	1/22/2025		2024	11200
									2030	24950
									2040	34575
									2050	44550

## 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
Palo Pinto County	Project Service Area	T	1/13/2025
City of Terrell	Project Service Area	C	1/22/2025
City of Mount Vernon	Utility Boundary	T/C	1/22/2025
Guadalupe-Blanco RA	Project Service Area	T/C	1/22/2025

## **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. Updates to Two TMDLs for Indicator Bacteria in Big Creek**

## **AUs 1202J\_01 and 1202J\_02**

This appendix provides the first update to the original TMDLs through the state's WQMP for Big Creek.

The report, *Two Total Maximum Daily Loads for Indicator Bacteria in Big Creek for Assessment Units 1202J\_01 and 1202J\_02*, was adopted by TCEQ on August 14, 2024 and approved by EPA on September 26, 2024. Upon EPA approval, the TMDLs became part of the state's WQMP.

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

- Add five new permits.
- Increase the flow for an existing permit.
- Update an existing permit due to a name change.

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 two AUs. This was originally presented in Table 20 in the original TMDL document. The affected AUs in this update are included here as Table I-2.

In Table 18 of the original TMDL, the WLA for permitted facilities is the sum of the individual WLAs and the allowance for FG within the TMDL AUs. The overall number for the AUs did not change, and this results in no changes to the overall TMDL allocations. 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 watershed**

Updates Table 14, p. 35 in the original TMDL document.

The WLA is expressed in billion cfu/day *Escherichia coli* (*E. coli*).

AU	TPDES Number	Outfall	Permittee Name	Flow (MGD)	WLA	TMDL Comments
1202J_02	WQ0014757001	1	FORT BEND COUNTY MUD 5	2.0	9.539	Increased discharge
1202J_02	WQ0016437001	1	SIGNORELLI DEVELOPMENT COMPANY INC.	0.25	1.192	New permit
1202J_02	WQ0016237001	1	FINNEY VALLET RD OWNER LP	0.84	4.006	New permit
1202J_01	WQ0016082001	1	TIDWELL TRACT, LTD.	0.6	2.862	New permit
1202J_01	WQ0016308001	1	FORT BEND COUNTY MUNICIPAL UTILITY DISTRICT NO. 256	0.49	2.337	New permit
1202J_01	WQ0016197001	1	UNDINE TEXAS ENVIRONMENTAL, LLC	0.24	1.145	New permit
1202J_01	WQ0015798002	1	FORT BEND COUNTY MUD NO. 239	N/A	N/A	Permittee name change

Abbreviations: TPDES – Texas Pollutant Discharge Elimination System, MGD – Million Gallons per Day, N/A – Not Applicable

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

Updates Table 20, p. 41 in the original TMDL document.

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

AU	TMDL	WLA <sub>wwtf</sub>	WLA <sub>sw</sub>	LA	FG	MOS
1202J_01	3,202.806	60.927	408.191	2,412.04	161.508	160.14
1202J_02	579.454	36.654	83.769	359.68	70.378	28.973

Abbreviations: WLA<sub>wwtf</sub> – Wasteload Allocation for Wastewater Treatment Facilities, WLA<sub>sw</sub> – Wasteload Allocation for Regulated Stormwater, LA – Load Allocation, MOS – Margin of Safety



## **Appendix II. Updates to Eight TMDLs for Indicator Bacteria in Dickinson Bayou and Three Tidal Tributaries**

### **Segments 1103, 1103A, 1103B, 1103C and 1104**

This appendix provides updates to TMDLs previously submitted through the state's WQMP for: Dickinson Bayou and Tributaries.

The report, *Eight Total Maximum Daily Loads for Indicator Bacteria in Dickinson Bayou and Three Tidal Tributaries For Segments 1103, 1103A, 1103B, 1103C and 1104*, was adopted by TCEQ on February 8, 2012 and approved by EPA on June 6, 2012. Upon EPA approval, the TMDLs became part of the state's WQMP.

The Texas WQMP has since been updated four 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 an addendum to the original TMDL in the July 2016 WQMP update. This addendum added three new AUs to the original TMDL project. A second addendum was submitted and added to the original TMDL in the April 2022 WQMP update. This second addendum added two new AUs to the original TMDL project.

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

- Add one new permit.

The changes reflected in this update resulted in the shifting of allocations for the sum of the individual WLAs in one AU. The original TMDL provided no allotment for FG for AU 1103\_04, however the original TMDL document stipulates that FG from existing or new permitted facilities would not be limited by the TMDLs as long as the sources do not exceed the concentration limit. The original TMDL has a concentration limit for one-half the geometric mean criterion for indicator bacteria (63 MPN/dL for *E. coli* and 17.5 MPN/dL for Enterococci). The new permit (16390-001/TX0144959) discharging into AU 1103\_04 adheres to this criterion for Enterococci. Because there is no FG component in AU 1103\_04, the total amount exceeded was added directly to the overall TMDL allocation for the one AU, which has been updated in 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 watershed**

Updates Table 18, p. 39 in the original TMDL document.

The WLA is expressed in MPN/day Enterococci.

State Permit Number	Outfall	EPA Permit Number	AU	Permittee Name	Flow (MGD)	Indicator Bacteria	WLA	TMDL Comments
16390-001	001	TX0144959	1103_04	MEGATEL HOMES III, LLC AND TRES RIOS PROPERTIES, LLC	1.33	Enterococci	8.81E+08	New permit

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

Updates Table 20, p. 44 in the original TMDL document.

All loads expressed as MPN/day.

Stream Name	AU	Indicator Bacteria	TMDL	WLA WWTF	WLA sw	LA	MOS	FG
Dickinson Bayou Tidal	1103_04	Enterococci	6.84E+10	9.80E+08	2.69E+10	3.71E+10	3.37E+09	0.00E+00

## **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 provides updates to TMDLs previously submitted through the state's 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 47 times prior to this update for this TMDL. The previous updates have revised the list of individual WLAs in the original TMDL document. Additionally, TCEQ submitted four addenda to the original TMDL 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 change to the TMDL (presented in Table III-1):

- Reduce the flow for one existing permit.

The change 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 18 in the original TMDL document. The two affected AUs in this update are included here as Table III-2.

In Table 19 of the original TMDL, the WLAs for permitted facilities are the sum of the individual WLAs and the allowance for FG within each AU. These overall numbers did not change; Table 19 of the original TMDL remains the same. 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
15041-001	001	TX0133612	1008_03	5732 WOODARD PARTNERS LTD	0.93	2.218	Reduced final flow

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

Updates Table 18, p. 61 in the original TMDL document.

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

AU	Sampling Location	Segment Name	TMDL	WLA WWTF	WLA SW	LA	MOS	FG
1008_03	11313	Spring Creek	1420	142.24	322	869	70.9	15.86
1008_04	11312	Spring Creek	1510	177.91	334	902	75.7	20.39

## **Appendix IV. Updates to Two TMDLs for Indicator Bacteria in Oyster Creek**

### **AUs 1009\_01 and 1110\_01**

This appendix provides the first update to the original TMDL through the state's WQMP for Oyster Creek.

The report, *Two Total Maximum Daily Loads for Indicator Bacteria in Oyster Creek for Assessment Units 1009\_01 and 1110\_01*, was adopted by TCEQ on August 14, 2024 and approved by EPA on September 26, 2024. Upon EPA approval, the TMDLs became part of the state's WQMP.

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

- Add two new permits.
- 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 21 in the original TMDL document. The affected AUs in this update are included here as Table IV-2.

In Table 22 of the original TMDL, the WLA for permitted facilities is the sum of the individual WLAs and the allowance for FG within the TMDL AUs. The overall number for the AUs did not change, and this results in no changes to the overall TMDL allocations. 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 15, p. 51 in the original TMDL document.

The WLA is expressed in billion cfu/day.

AU	TPDES Number	Outfall	Permittee Name	Bacteria Limit	Flow (MGD)	WLA ( <i>E. coli</i> )	WLA (Enterococci)	TMDL Comments
1110_01	WQ0016176001	1	ASHTON GRAY DEVELOPMENT, LLC	126 ( <i>E. coli</i> )	1.0	4.770	1.325	New permit
1110_01	WQ0012113001	1	BEECHWOOD WWTF	N/A	N/A	N/A	N/A	Expired permit
1110_03	WQ0016313001	1	FORT BEND COUNTY MUNICIPAL UTILITY DISTRICT NO. 183	126 ( <i>E. coli</i> )	0.45	2.146	0.596	New permit

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

Updates Table 21, p. 57 in the original TMDL document.

All loads expressed as billion cfu/day Enterococci for AU 1109\_01 and *E. coli* for AU 1110\_01.

AU	Criterion (cfu/100mL)	TMDL	WLA WWTF	WLA sw	LA	FG	MOS
1109_01	35	569.334	10.480	31.9	494.728	3.759	28.467
1110_01	126	1,244.52	37.442	69.114	1,062.41	13.329	62.226