

# Austin Area Watersheds: TMDL Implementation Status 2023 (Year 8)

**Date of Status Report:** 10/23/2023

**I-Plan Approval Date:** 08/22/2022

**TCEQ Project Manager:** Lauren Dawson

## Responsible Parties Abbreviations

APF – Austin Parks Foundation

ANC – Austin Neighborhoods Council

COA – City of Austin

COA WPD – City of Austin Watershed Protection District

LCRA – Lower Colorado River Authority

PODER – People in Defense of the Earth and her Resources

UTA-CC – University of Texas at Austin Campus Construction

UTA-EHS – University of Texas at Austin Environmental Health and Safety Department

UTA- FS – University of Texas at Austin Facilities Services Department

UTA-UEM – University of Texas at Austin Utilities and Energy Management Department

WGC – Waterloo Greenway Conservancy

\* UTA-PMCS & UTA-CPC are now referred to as UTA-CC.

# Management Measures

## Management Measure 1: Resident Outreach

Responsible Party	Implementation Measure	Implementation Milestone	Status
ANC	1.1 ANC Educational Outreach Meetings	Years 1-5: <ul style="list-style-type: none"> <li>· Invite COA WPD staff to brief the citywide general meeting and each sector (or group of sectors) once per year.</li> </ul>	No status updates were received from ANC.  Eight education outreach events were conducted by COA.
ANC	1.2 ANC Newsletter Educational Outreach	Years 1-5: <ul style="list-style-type: none"> <li>· Request COA staff to provide articles once per year informing and updating the public as a means for citizens to voluntarily implement fecal reduction measures through COA volunteer programs.</li> </ul>	No status updates were received from ANC.  COA sent 169 mailouts to pet-friendly businesses and 75 mailouts to pet-friendly apartments.
PODER	1.3 PODER Educational Outreach	Years 1-5: <ul style="list-style-type: none"> <li>· Request annual briefings by COA WPD staff on COA environmental programs and ways citizens may help to reduce fecal contamination.</li> <li>· Distribute updates at the Hispanic Advocates Business Leaders of Austin and La Raza Roundtable meetings annually.</li> <li>· Provide links on the PODER website regarding the Austin bacteria TMDL I-Plan and other available resources.</li> </ul>	No status updates were received from PODER.  COA initiated Earth Camp or Earth School offered to 100% of AISD Elementary Schools.  COA initiated handouts and items to help properly dispose of FOG were provided to apartments after an SSO.

<b>Responsible Party</b>	<b>Implementation Measure</b>	<b>Implementation Milestone</b>	<b>Status</b>
WGC	1.4 Waterloo Greenway Conservancy Educational Outreach and Programming	Year 1: <ul style="list-style-type: none"> <li>Develop outreach strategy and materials/content.</li> </ul> Years 2-5: <ul style="list-style-type: none"> <li>Distribute digital content twice a year and host one environmentally focused event per year.</li> </ul>	No status updates were received from WGC.
APF	1.5 APF Riparian and Scoop-the-Poop Education	Years 1-5: <ul style="list-style-type: none"> <li>Provide educational materials incorporating riparian and Scoop-the-Poop messaging into volunteer workdays and annual meetings.</li> </ul>	No status updates were received from APF.  COA provided 3,672,000 pet waste bags and 123 dispensers to PARD.

***Management Measure 2: LCRA Volunteer Water Quality Monitoring***

<b>Responsible Party</b>	<b>Implementation Measure</b>	<b>Implementation Milestone</b>	<b>Status</b>
LCRA	2. LCRA volunteer water quality monitoring	Years 1-5: <ul style="list-style-type: none"> <li>Recruit, train, and support volunteers to conduct water quality monitoring in the four TMDL waterways.</li> </ul>	LCRA staff toured TMDL sites with COA staff to assess ease of accessibility for Colorado River Watch Network (CRWN) volunteers. LCRA staff is evaluating bacteria sampling methods and products for volunteer use due to supply and accuracy issues with previously used products. CRWN training workshops are scheduled for fall 2023 with analysis in process to determine site assignment of new volunteer monitors to TMDL sites for core water quality parameter testing.

**Management Measure 3: UTA: Domestic Pet Waste**

Responsible Party	Implementation Measure	Implementation Milestone	Status
UTA-EHS, UTAFS	3. UTA domestic pet waste stations	Years 1-5: <ul style="list-style-type: none"> <li>· Continue ongoing weekly maintenance of the pet waste stations by restocking waste bag supply.</li> </ul>	Nine pet waste collection stations were installed in April 2021. The stations were installed adjacent to trash cans at locations currently having problems with pet waste, near open lawn areas, and close to Waller Creek. Facility Services-Landscape Services maintains the stations on a weekly basis with pet waste bags provided by EHS. In addition, EHS promotes public education about the responsibility of cleaning up after our pets using social media posts.

**Management Measure 4: Stormwater Management Strategies**

Responsible Party	Implementation Measure	Implementation Milestone	Status
UTA-UEM, UTA-EHS, UTA-CC	4.1 UTA: flood control projects	Years 1-5: <ul style="list-style-type: none"> <li>· Maintain 100% of existing structures to engineered specifications.</li> <li>· Incorporate available flood control structures in 100% of applicable capital improvement projects.</li> </ul>	Flood control measures are evaluated on a project-by-project basis for compliance with the recently implemented stormwater management design standard. Water quality control projects on campus are utilized more frequently than flood control projects.

Responsible Party	Implementation Measure	Implementation Milestone	Status
UTA-EHS, UTA-CC	4.2 UTA: water quality control projects	Years 1-5: <ul style="list-style-type: none"> <li>· Review projects for compliance with design standard to minimize stormwater pollution.</li> </ul>	A detailed technical review of construction documents occurs regularly for major construction projects on campus. During the last FY, comments on storm water management and temporary erosion and sediment control for construction were included during the review period for 118 projects. During FY 22/23, the following applicable projects incorporated water quality features: <ul style="list-style-type: none"> <li>· The new Moody Center Arena incorporated five biofiltration planters, two bioswales, and a rain garden.</li> <li>· A project to realign Red River Street to facilitate the Arena's construction installed six bioretention basins and five bioswales.</li> <li>· The Leona Child Development Center installed a rain garden and permeable pavers.</li> <li>· The Blanton Museum Plaza renovation included rain gardens and vegetated swales in the design.</li> <li>· The Basketball Rowing and Practice facility incorporated a bioretention pond and a rain garden.</li> <li>· The Gary L. Thomas (GLT) Energy Engineering Building incorporated two subsurface vaults.</li> </ul>

Responsible Party	Implementation Measure	Implementation Milestone	Status
UTA-FS	4.3 UTA: Tree Protection Zones	Years 1-5: <ul style="list-style-type: none"> <li>· Analyze projects with outdoor disturbance for feasibility of implementation.</li> </ul>	Tree Protection Zones (TPZ) were designated and communicated by Facility Services-Landscape Services to the project team and contractors for all projects. Tree protection areas that preserved soils were implemented at six sites in FY 22-23 for a total of approximately 27,950 square feet. <ul style="list-style-type: none"> <li>· GTL Energy Engineering Building: Eight mature trees for a total of approximately 6,000 square feet.</li> <li>· Moody Arena: Three trees preserved on site, and six trees transplanted for a total of approximately 8,100 square feet.</li> <li>· Graduate Student Housing: One mature tree for a total of approximately 850 square feet.</li> <li>· Battle Hall/West Mall Office Building: Two mature trees for a total of approximately 2,000 square feet.</li> <li>· Leona Child Development Center: Three mature trees for a total of approximately 3,000 square feet.</li> <li>· Red River Realignment: 10 to 12 medium trees for a total of approximately 8,000 square feet.</li> </ul>

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UTA-EHS	4.4 UTA: Bacterial Level Monitoring	Quarterly surface water samples at three locations along Waller Creek through the UT Austin main campus.	The <i>E. coli</i> monitoring program (quarterly samples taken at three locations on campus) is ongoing. The data collected indicates that sources of pollution are non-point source in origin, however EHS continues to evaluate and investigate with UEM and academic faculty on illicit discharge detection.

***Management Measure 5: Riparian Restoration***

<b>Responsible Party</b>	<b>Implementation Measure</b>	<b>Implementation Milestone</b>	<b>Status</b>
APF	5.1 APF: Recruit Adopters for All Parks in the Watersheds	Years 1–5: <ul style="list-style-type: none"> <li>· Evaluate parks within the affected watersheds for Adopt-a-Park sponsorship.</li> <li>· Recruit sponsors as needed.</li> <li>· Provide training including riparian zone restoration and maintenance.</li> </ul>	No status updates were received from APF.
APF	5.2 APF: Use volunteers to help expand and maintain Grow Zone riparian initiative	Years 1–5: <ul style="list-style-type: none"> <li>· Reach 100% of un-adopted parks within the affected watersheds to either or both programs.</li> <li>· Continue efforts to encourage expansion.</li> </ul>	No status updates were received from APF.