

# TMDL Implementation Status for Upper Oyster Creek (Segment 1245)

Date of Status Report: 08/31/25

I-Plan Approval Date: 01/13/2014

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## Responsible Parties Abbreviations

H-GAC - Houston-Galveston Area Council

TCEQ - Texas Commission on Environmental Quality

TPWD - Texas Parks and Wildlife Department

TSSWCB - Texas State Soil and Water Conservation Board

WWTFs - Wastewater Treatment Facilities

## Management Measures

### Management Measure 1: Monitoring and Research

Responsible Party	Implementation Measure	Implementation Milestone	Status
BRA, TCEQ (Tarlton State University), H-GAC	1.0 Monitoring	<ul style="list-style-type: none"> <li>▪ (1.1) BMP Database (H-GAC)</li> <li>▪ (1.2) Annual Assessment (DMR, SSO, bacteria, DO, nutrients, etc.)</li> <li>▪ (1.3) Continue regional monitoring (BRA, TCEQ)</li> <li>▪ (1.4) More rigorous WWTF monitoring</li> <li>▪ (1.5) Dissolved Oxygen Study</li> <li>▪ (1.6) Flow Monitoring</li> </ul>	<ul style="list-style-type: none"> <li>▪ 1.1 - BIG continues to work on BMP database to improve, been limited without funds.</li> <li>▪ 1.2 - H-GAC presented latest data available.</li> <li>▪ 1.3 - BRA continues stations, more limited in scope.</li> <li>▪ 1.4 - No action, H-GAC noted that this would not advance.</li> <li>▪ 1.5 - TIEAR presented work to improve TMDL.</li> <li>▪ 1.6 - No action.</li> </ul>
TCEQ, H-GAC, TX AgriLife, TSSWCB	2.0 Research	<ul style="list-style-type: none"> <li>▪ (2.1) Flow Regime Changes</li> <li>▪ (2.2) Assess Avian and Bat Populations</li> <li>▪ (2.3) Future Data - e.g., Dissolved Oxygen Study</li> </ul>	<ul style="list-style-type: none"> <li>▪ 2.1 - No action.</li> <li>▪ 2.2 - No action</li> <li>▪ 2.3 - Waiting on current study results to see if any new steps.</li> </ul>

**Management Measure 2: Education and Outreach**

Responsible Party	Implementation Measure	Implementation Milestone	Status
H-GAC, City of Sugar Land, City of Missouri City, City of Stafford, City of Fulshear, Other MS4s	3.0 Continues Existing Outreach	<ul style="list-style-type: none"> <li>▪ (3.1) Lone Star Healthy Streams Feral Hog</li> <li>▪ (3.2) Existing Urban/Suburban Education</li> <li>▪ (3.3) Expand Livestock Education Programs</li> <li>▪ (3.4) Continue and Expand Stream Team Volunteer Sampling</li> </ul>	<ul style="list-style-type: none"> <li>▪ 3.1 - Discussed bringing a workshop in 2026. Discussed TX AgriLife Healthy Lawn program too.</li> <li>▪ 3.2 - MS4 continue to provide pollutant education. H-GAC presented on potential materials to provide support.</li> <li>▪ 3.3 - Discussed option as part of 3.1.</li> <li>▪ 3.4 - H-GAC coordinating with the City of Sugar Land.</li> </ul>
H-GAC, City of Sugar Land, City of Missouri City, City of Stafford, City of Fulshear, Other MS4s	4.0. New Education and Outreach Initiatives	<ul style="list-style-type: none"> <li>▪ (4.1) Identify and implement new Urban/Suburban education</li> <li>▪ (4.2) Conduct residential OSSF education</li> <li>▪ (4.3) Lawn maintenance Workshop</li> <li>▪ (4.4) Benefit Concert</li> </ul>	<ul style="list-style-type: none"> <li>▪ 4.1 - Discussed bringing TX AgriLife’s Healthy Lawn Program.</li> <li>▪ 4.2 - Discussed need for OSSF workshop. Perhaps in Fulshear.</li> <li>▪ 4.3 - see 4.1.</li> <li>▪ 4.4 - No action.</li> </ul>

**Management Measure 3: Urban Non-point Sources**

Responsible Party	Implementation Measure	Implementation Milestone	Status
H-GAC, TX AgriLife	5.0. General Urban Non-point Source Management	<ul style="list-style-type: none"> <li>▪ (5.1) Coordinate with New Development</li> <li>▪ (5.2) Coordinate dredging and invasive plant management</li> <li>▪ (5.3) TCEQ Water Quality Feature Reimbursement</li> <li>▪ (5.4) Dog Park Pet Waste Station Installations</li> <li>▪ (5.5) Promote Aeration Reimbursement</li> <li>▪ (5.6) Add Aeration Capacity to Waterways</li> <li>▪ (5.7) Promote Domestic Oil Recycling</li> <li>▪ (5.8) Household Hazardous Waste Collection Event</li> </ul>	<ul style="list-style-type: none"> <li>▪ 5.1 - Discussed Low Impact Development workshop. Potential project - Demonstration Park.</li> <li>▪ 5.2 - Remains a problem, no action.</li> <li>▪ 5.3 - noted that this was on the books and TCEQ allows for reimbursement.</li> <li>▪ 5.4 - no action.</li> <li>▪ 5.5 - no action.</li> <li>▪ 5.6 - no action.</li> <li>▪ 5.7 - City of Sugar Land is looking at bringing back a collection day. Tried street pick up, but too costly.</li> <li>▪ 5.8 - along with 5.7, looking to start up a collection day.</li> </ul>
City of Sugar Land, City of Missouri City, City of Stafford, City of Fulshear, Other MS4s	6.0 Urban MS4 Stormwater Management	<ul style="list-style-type: none"> <li>▪ (6.1) Continue Phase II Activities</li> <li>▪ (6.2) Develop Model Ordinances for Pet Waste and Waste Haulers</li> <li>▪ (6.3) Enforce Existing Requirements</li> </ul>	<ul style="list-style-type: none"> <li>▪ 6.1 - attendees agreed they are continuing to implement.</li> <li>▪ 6.2 - no action besides what is currently required.</li> <li>▪ 6.3 - continue at current level of effort.</li> </ul>

**Management Measure 4: Agriculture, Invasive, and Wildlife Management**

Responsible Party	Implementation Measure	Implementation Milestone	Status
TSSWCB, NRCS	7.0. Agriculture and Livestock Management	<ul style="list-style-type: none"> <li>▪ (7.1) Continue TDC Farm Practices and Swine CAFO</li> <li>▪ (7.2) Promote WQMPs and CMPs</li> </ul>	<ul style="list-style-type: none"> <li>▪ 7.1 - no action.</li> <li>▪ 7.2 - no promotion at this point.</li> </ul>
TX AgriLife	8.0. Feral Hog Management	<ul style="list-style-type: none"> <li>▪ (8.1) Technical Assistance</li> <li>▪ (8.2) County support for eradication, e.g., trapping and other control methods</li> </ul>	<ul style="list-style-type: none"> <li>▪ 8.1 - discussed trap availability, will see if Fort Bend Extension offers.</li> <li>▪ 8.2 - see 8.1.</li> </ul>

Responsible Party	Implementation Measure	Implementation Milestone	Status
TPWD	9.0. Avian Wildlife Management	<ul style="list-style-type: none"> <li>▪ (9.1) Management options</li> <li>▪ (9.2) Pigeon exclusion practices</li> <li>▪ (9.3) Domestic Duck removal</li> <li>▪ (9.4) Swallow exclusion practices</li> </ul>	<ul style="list-style-type: none"> <li>▪ 9.1-9.4 - no action. Will reach out to TPWD on this and invasive species.</li> </ul>

**Management Measure 5: Human Waste Management**

Responsible Party	Implementation Measure	Implementation Milestone	Status
H-GAC, City of Sugar Land, City of Missouri City, City of Stafford, City of Fulshear, Other MS4s	10.0. Wastewater Treatment Facilities	<ul style="list-style-type: none"> <li>▪ (10.1) WWTFs, ensure all permit limits</li> <li>▪ (10.2) TCEQ increased compliance and enforcement</li> <li>▪ (10.3) Wastewater reuse</li> <li>▪ (10.4) Consider stricter limits</li> <li>▪ (10.5) Recommend compliance with design and operation criteria</li> <li>▪ (10.6) Recommend polishing pond standards</li> <li>▪ (10.7) Recommend additional nutrient sampling</li> <li>▪ (10.8) Incorporate BMP monitoring from development</li> </ul>	<ul style="list-style-type: none"> <li>▪ 10.1 - H-GAC reviewed DMRs with committee.</li> <li>▪ 10.2 - no action anticipated.</li> <li>▪ 10.3 - cities noted that there is some reuse currently.</li> <li>▪ 10.4 - no action expected.</li> <li>▪ 10.5 - H-GAC noted that Harris County does review plan sets for compliance with Chapter 217 standards.</li> <li>▪ 10.6 - no action.</li> <li>▪ 10.7 - no action.</li> <li>▪ 10.8 - H-GAC noted a completed study demonstrating efficacy, but more data is needed.</li> </ul>
H-GAC, City of Sugar Land, City of Missouri City, City of Stafford, City of Fulshear, Other MS4s	11.0. Sanitary Sewer Collection Systems	<ul style="list-style-type: none"> <li>▪ (11.1) Subscriber System Controls Penalties for SSOs</li> <li>▪ (11.2) Fats, oils, and grease requirements</li> <li>▪ (11.3) Utility asset management</li> <li>▪ (11.4) Maintain Lift Station Function</li> <li>▪ (11.5) Support streamlined SSO reporting</li> </ul>	<ul style="list-style-type: none"> <li>▪ 11.1. no action. H-GAC noted that it is up to contract holders to seek remedial action from contractors.</li> <li>▪ 11.2 - no action.</li> <li>▪ 11.3 - Reviewed data. No action.</li> <li>▪ 11.4 - No action. Report alternative power requirements.</li> <li>▪ 11.5 - no action. H-GAC looking forward to reviewing results of electronic reporting rule.</li> </ul>

Responsible Party	Implementation Measure	Implementation Milestone	Status
Fort Bend County Authorized Agent, H-GAC, TX AgriLife	12.0. Onsite Sewage Facilities	<ul style="list-style-type: none"> <li>▪ (12.1) Identify and address failing systems</li> <li>▪ (12.2) Address inadequate maintenance</li> <li>▪ (12.3) Compile OSSF data</li> <li>▪ (12.4) Use SEP to address</li> <li>▪ (12.5) Consider permit renewal fee/transfer fee</li> </ul>	<ul style="list-style-type: none"> <li>▪ 12.1 - no action. H-GAC reported on estimated number of OSSFs within watershed.</li> <li>▪ 12.2 - no systems addressed.</li> <li>▪ 12.3 - see 12.1.</li> <li>▪ 12.4 - see 12.1</li> <li>▪ 12.5 - no action.</li> </ul>

### Control Actions – None at this time

#### Control Action 1: **Name of Action**

Responsible Party	Control Action	Implementation Milestone	Status
	1.1.		
	1.2.		
	1.3.		

### Summary of Implementation

There were seventeen attendees at the August 21, 2025 Annual Implementation Meeting. The attendees reported that they continue to implement their Phase II stormwater management programs. H-GAC reported that 1245\_01 and 02 bacteria is stable, with 02 having improved and not considered impaired. Dissolved oxygen remains an issue in 1245\_02 and 03. Tarlton State’s Texas Institute for Environmental and Applied Research presented on their work to update the D.O. TMDL with better modeling. With that revision, attendees were wondering what impacts that would have on any WWTF permit. Attendees showed interest in developing a BMP demonstration park and expanding outreach and education, potentially through workshops targeting homeowners.