Recipe for Success!
A Joint Stormwater Management Program Story
City of Missouri City and 16 Joint Phase II MS4s SWMP

- Phase II MS4 Permittees
- Share 1 SWMP
- COMC is SWMP Administrator (responsible for Annual Report submittal, training, main communicator, and documentation control)
- Level 3 (COMC) and Level 2 (Non-trad. Small MS4s)
Greater Houston Area - Missouri City
Missouri City MS4

• Located primarily in Fort Bend County, but a small portion in Harris County
Joint MS4’s

- Located primarily in FBC, but a small portion in HC
- Approx. 36 MUDs in City Limits/ETJ
- 16 MUDs share the SMMP
- And until end of 2023 have area to annex (1+ MUD)
STORM WATER MANAGEMENT
INTERLOCAL COOPERATION AGREEMENT

THE STATE OF TEXAS
COUNTY OF FORT BEND

This Interlocal Cooperation Agreement (the “Agreement”) is made and entered into by and between the City of Missouri City, Texas (“Missouri City” or the “City”), a Texas home-rule municipal corporation, and Harris County Water Control & Improvement District-Fondren Road, Harris County Municipal Utility District #122, Southwest Harris County Municipal Utility District #1, Blue Ridge West Municipal Utility District, First Colony Municipal Utility District #9, Quail Valley Utility District, Meadowcreek Municipal Utility District, Thunderbird Utility District, Palmer Plantation Municipal Utility District #1, Palmer Plantation Municipal Utility District #2, Fort Bend County Municipal Utility District #28, Fort Bend County Municipal Utility District #42, Fort Bend County Municipal Utility District #46, Fort Bend Municipal Utility District #47, Fort Bend County Municipal Utility District #48, Fort Bend County Municipal Utility District #49, Fort Bend County Municipal Utility District #115 and First Colony Levee Improvement District (the “Districts”), (collectively, “the Parties”), acting by and through their authorized representatives.

Recitals

Whereas, pursuant to the Interlocal Cooperation Act, Texas Government Code, Chapter 791 (the “Act”), as amended, cities, counties, special districts, and other legally constituted political subdivisions of the State of Texas are authorized to enter into interlocal contracts and agreements with each other regarding governmental functions and services as set forth in the Act; and

Whereas, Missouri City has coordinated the development of a Storm Water Management Program (“SWMP”) with certain political subdivisions to gather data and information, to perform analyses, and to develop programs to address storm water quality issues, including the control of municipal separate storm sewer system discharges; and

Whereas, the Parties to this Agreement understand that entering into this Agreement in no way obligates any Party to participate in any joint project without the express approval of such Party.

NOW, THEREFORE, pursuant to Chapter 791, Texas Government Code and as otherwise authorized and permitted by the laws of the State of Texas, for and in consideration of the covenants, conditions and undertakings hereinafter described, and subject to each and every term and condition of this Agreement, the Parties contract, covenant and agree as follows:

City of Missouri City

- First Colony MUD No. 9
- Fort Bend County MUD No. 26
- Fort Bend County MUD No. 42
- Fort Bend County MUD No. 46
- Fort Bend County MUD No. 47
- Fort Bend County MUD No. 48
- Fort Bend County MUD No. 49
- Fort Bend County MUD No. 115
- Harris County MUD No. 122
- Harris County WC&ID - Fondren Road
- Meadowcreek MUD
- Palmer Plantation MUD No. 1
- Palmer Plantation MUD No. 2
- Quail Valley Utility District
- Thunderbird Utility District
- Blue Ridge West MUD
MUD Organization Chart MS4

- Have Limited Manpower
- Resources are Restricted
- Budgets are Constrained
- Enforcement Ability is Limited
- Require Cost-Effective Solutions

- Provide Practical Options
- Innovation Implementation Measures
- Typically, No “Employees”
- Comprised of Prof. Consultants
- Board Similar to City Council

TCEQ

MUD
Elected Board of Directors

District Attorney
District Engineer
District Operator
District Bookkeeper
Roles & Responsibilities

City of Missouri City –
Program Administrator
- Daily Program Administration
- Daily Operation (COMC Facilities)
- Implement BMPs
- Address Illicit Discharges
- Perform Inspections
- Enforce & Assess Violations
- Respond to Complaints
- Documentation Control

Joint MS4s –
Assist with Program Administration
- Daily Operation (District Facilities)
- Assist with Implementation of BMPs
- Provide Updates and Documentation to City
- Perform Inspections (District Facilities)
- Respond to Complaints (District Facilities)

Quiddity Engineering –
Resource Manager
- Assist with Implementation of BMPs
- Technical Resource
- QA/QC Annual Reports
- SWMP Development
Total Maximum Daily Loads (TMDLs)

\[ \text{TMDL} = \sum \text{WLA} + \sum \text{LA} + \text{MOS} \]

- **TMDL** = Total Maximum Daily Load
- **WLA** = Sum of Waste Load Allocation
- **LA** = Sum of Load Allocations
- **MOS** = Margin of Safety
# Stormwater Management Program & I-Plan

## Minimum Control Measures

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<td>1.1 LWI &amp; WV Website</td>
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<td>1.2 Educational Information</td>
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## I-Plan

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## Post-Construction Storm Water Management

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## Post-Construction Storm Water Management in New Development and Redevelopment

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## Pollution Prevention and Good Housekeeping for Municipal Operations

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## TCEQ Implementation Plan

**Implementation Plan for Two Total Maximum Daily Loads for Dissolved Oxygen and One Total Maximum Daily Load for Bacteria in Upper Oyster Creek**

**Segment 1245, Upper Oyster Creek**

**Water Quality Planning Division, Office of Water**

**Texas Commission on Environmental Quality**
**Help Prevent Stormwater Pollution**

Properly Handle Your Pool

Flush Responsibly!

Only drain your pool when you need to, and it is chemical free. Properly store your pool chemicals in a covered area to prevent leaks and spills from being exposed to stormwater.

Drain your pool into the sanitary sewer system, not the storm drains.

---

**Help Stop Illegal Dumping**

- Environmental Hazard
- Public Health Concerns
- Impacts Community & Quality of Life

**Report Illegal Dumping to Your Municipality**

---

**MCTX Animal Services:**

Register and Microchip Your Pets with the City

Per City ordinances, all dogs and cats over the age of four (4) months must be vaccinated every year for rabies and be registered with Missouri City Animal Services. Per registration is now available online; please email animal.serving@missouricitytx.gov to initiate the process. Residents can also microchip their pets at the Animal Shelter, located at 1913 Scandia Road. Interested residents must make an appointment by calling 281-402-8707.

---

**Do Your Part to Help Your Community**

- Don't flush these down the toilet: PAPERS, TOILET PAPER, TOILET PAPER TOWELS
- Don't pour these down the drain: OILS, GREASE

**Keep Pipes Flowing!**

These items may block your household pipes and cause major issues with your community’s sanitary services. This can lead to costly repairs. Instead, throw these items in the trash for proper disposal.

---

**Help Prevent Stormwater Pollution**

Pick Up After Your Pet

Pick up the poop every time, everywhere.

Leaving pet waste on the ground allows harmful bacteria and nutrients to wash into the storm drain, leading to local bodies of water. This contamination increases public health risk.
Spring is in the air and it is time to rake the leaves in your yards so they don’t end up in the street, clogging storm drains!

The primary function of street sweepers is to remove silt and small debris from the gutter lines of the roadways, as this can restrict storm water run off and cause maintenance issues.

Here are some need-to-know facts about the Street Sweeper Program:

- Residents should bag yard debris (such as leaves) and large trash, as these items can clog the vacuum system of the street sweeper. Technicians must stop sweeping to clean vacuum lines, causing less efficiency and more down time.
- The City of Missouri City currently makes three passes per year down every concrete street within the City limits, excluding private streets.
- Street sweepers are not designed to clean large amounts of yard debris and trash from the roadway.
- Leaves, sticks, yard clippings, etc. are considered solid waste under the Missouri City Code of Ordinances Section 78-1.
- Under Section 78-4, it is unlawful to allow solid waste to be thrown, placed or allowed to be released into the storm water system, drainage ways, or upon the sidewalks or City streets.
- It is the responsibility of the property owner to ensure that solid waste is collected and disposed of properly.
Phase II (Small) MS4 Annual Report Form
TPDES General Permit Number TXR040000

A. General Information

Authorization Number: TX8/040298-City of Missouri City and 16 Joint MS4 Districts (Authorization Numbers Provided in Section H)

Reporting Year (year will be either 1, 2, 3, 4, or 5): 4

Annual Reporting Year Option Selected by MS4:

  Calendar Year: ______
  Permit Year: ______
  Fiscal Year: ______  Last day of fiscal year: September 30

Reporting period beginning date: (month/date/year) October 1, 2021 ______
Reporting period end date: (month/date/year) September 30, 2022 ______

MS4 Operator Level: ______

Name of MS4: MS4 Administrator - City of Missouri City MS4 (the names of the 16 Joint MS4 Districts is Provided in Section H)

Contact Name: Vincent Silva  Telephone Number: 281-403-8567 ______
Mailing Address: 1522 Texas Parkway, Missouri City, TX 77489 ______
E-mail Address: Vincent.Silva@missouricitytx.gov ______

A copy of the annual report was submitted to the TCEQ Region: YES, NO ______
Region the annual report was submitted to: TCEQ Region 12 ______
Upper Oyster Creek Stakeholder Upcoming Meeting

UPDATE

H-GAC invites residents, local governments, businesses, and non-profits in the Upper Oyster Creek watershed within Fort Bend County to attend the annual stakeholder meeting 1-3 p.m. on Tuesday, August 29, 2023.

The meeting will be held in-person at:

City of Sugar Land Town Square (City Hall)
Cane Room
2700 Town Center Blvd N.
Sugar Land, TX 77479
(281) 275-2900

The purpose of the meeting is to discuss water quality issues that potentially affect communities in the watershed, including all or portions of the Cities of Sugar Land, Missouri City, Stafford, and Meadows. Residents and organizations are invited to participate in this meeting to review and discuss progress implementing the bacteria reduction plan and improvements to dissolved oxygen.

All public meetings about this project are open to anyone interested. Watch for meeting announcements here.

CONCLUSION

Everyone Needs to Know the Purpose of the Program

- MUD Board of Directors/City Council
- District Engineer/District Operator
- Residents/Community Members

Know Everyone’s Roles and Responsibilities

- Ability to Address Questions/Concerns
- Implementation Measures Continuously Occur
Thank you!

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281-403-8567

Liz Stone, CPESC
281-363-4039
lstone@quiddity.com

Camila Biaggi, ENV SP, CFM
346-231-0910
cbiaggi@quiddity.com
QUIDDITY
ENGINEERING