

**TMDL Program**  
**FY 2018 Quarter 3 Progress Report**  
**Time Period Covered: 3/01/2018 – 5/31/2018**

**Date: June 15, 2018**

**Name of Project: Basin Approach to Address Bacterial Impairments in the San Jacinto – Brazos Coastal Basin (Basin 11)**  
**Contract No./Work Order 582-14-42709-09**

**TASK #1. PROJECT ADMINISTRATION**

<b>Deliverable(s)</b>	<b>Due Date</b>	<b>Status</b>
List all deliverables under the task described above	List the due dates for each deliverable	If the deliverable has been completed, enter the date submitted to the TCEQ. If the deliverable has not been completed, briefly describe the status of each deliverable.
Quarterly/Monthly Progress Report	June 15, 2018	Monthly report for Work Order submitted electronically and hard copy on June 15, 2018
Invoice	June 15, 2018	Invoices will be submitted under another cover.
Project Updates	Weekly	Provided for March 2018 thru May 2018.

**Work Performed This Period – detail all activities for this task and briefly describe the progress on each deliverable:**

Work performed for this task during this period included writing and assembling the monthly report. Copies of weekly emails are attached. Amendment #1 was executed in May. The amendment removes the implementation plan deliverable and substitutes tracking the development of the I-Plan. As this step happened during this quarter, the report does not reflect the new Scope of Work. The revised scope will be reflected in the July Progress Report.

**TASK #2. PUBLIC EDUCATION AND OUTREACH**

<b>Deliverable(s)</b>	<b>Due Date</b>	<b>Status</b>
	List the due dates for each deliverable	If the deliverable has been completed, enter the date submitted to the TCEQ. If the deliverable has not been completed, briefly describe the status of each deliverable.
Development of meeting materials (Task 2.1)	Invitation letters, emails, press releases, and informational materials announcing meeting/event.	No meetings held this quarter.
Host two or more watershed stakeholder meetings (Task 2.2)	As needed	No meetings held this quarter
Copies of agendas and presentations for meetings (Task 2.3)	Due 2 weeks before distribution	No meetings held this quarter
Summary of meetings (Task 2.4)	Within 2 weeks after meetings	No meetings held this quarter
List of general stakeholders (Task 2.5)	Maintain and update as appropriate. Provide to TCEQ when requested.	Maintained and updated.
Facilitate delivery of Extension programs (Task 2.6)	One or more during work order period.	None this quarter.
Public participation/outreach summaries (Task 2.7)	With PRs	H-GAC's Coastal Communities Project.

Work Performed This Period – detail all activities for this task and briefly describe the progress on each deliverable:

No direct public meetings were held during this quarter. The stakeholder list was updated with new stakeholders added during preparation for the Chocolate Bayou CC work group meetings.

Community outreach is also being carried out in the basin through H-GAC's Coastal Communities project. Through the project, H-GAC is targeting non-MS4 communities to learn more about their water quality outreach and to provide resources to assist the local government. During this project, H-GAC is discussing local water quality impairments and ongoing programs that the local government can participate in. Additional information on this program has been attached to this report.

### **TASK #3 DEVELOP OR UPDATE QAPPs FOR ACQUIRED DATA AND MONITORING DATA**

<b>Deliverable(s)</b>	<b>Due Date</b>	<b>Status</b>
List all deliverables under the task described above	List the due dates for each deliverable	If the deliverable has been completed, enter the date submitted to the TCEQ. If the deliverable has not been completed, briefly describe the status of each deliverable.
Acquired Data QAPP Amendments (Task 3.1)	As needed.	None required.
Acquired Data QAPP Update (Task 3.2)	As needed	Annual update for FY2018 submitted to TCEQ the week of September 4, 2017.
QAPP CARs (Task 3.3)	As needed	None required.
Quality assurance audits (Task 3.4)	Will participate as needed	Completed the FY 17 monitoring systems audit (contractor self-report) and provided 10/12/17.

### **Work Performed This Period**

No updates were required this quarter.

### **TASK #4 DATA SUBMISSION**

<b>Deliverable(s)</b>	<b>Due Date</b>	<b>Status</b>
List all deliverables under the task described above	List the due dates for each deliverable	If the deliverable has been completed, enter the date submitted to the TCEQ. If the deliverable has not been completed, briefly describe the status of each deliverable.
Water quality data submission (Task 4.1)	As described in QAPP	H-GAC submitted FY17 final data submission on October 31, 2017.

**Work Performed This Period – detail all activities for this task and briefly describe the progress on each deliverable:**

H-GAC completed its second and final Oyster Creek data submission on October 31, 2017. This task is complete.

## **TASK #5 TECHNICAL SUPPORT DOCUMENT FOR OYSTER CREEK**

<b>Deliverable(s)</b>	<b>Due Date</b>	<b>Status</b>
List all deliverables under the task described above	List the due dates for each deliverable	Final progress report and evaluation submitted to TCEQ
Draft Oyster Creek TSD (Task 5.1)	June 15, 2018	Data analysis and GIS interpretations have been complete. Map files will be attached to this report.
Final Oyster Creek TSD (Task 5.2)	Two weeks after receipt of TCEQ comments	

### **Work Performed This Period – detail all activities for this task and briefly describe the progress on each deliverable:**

The TSD is being drafted. Data and information collection was finished in the first quarter. Data analysis is now complete. GIS maps have been finished. H-GAC provided the initial maps to TCEQ. It was determined that the watershed boundary was not correct and that NHDPlus should be used. Staff worked with TCEQ to update the watershed boundary. Final draft GIS maps are included with this report. Staff prepared the Oyster Creek LDCs during the quarter.

## **TASK #6 TMDL and I-PLAN DEVELOPMENT FOR CHOCOLATE BAYOU**

<b>Deliverable(s)</b>	<b>Due Date</b>	<b>Status</b>
List all deliverables under the task described above	List the due dates for each deliverable	Final progress report and evaluation submitted to TCEQ
Draft Chocolate Bayou TMDL Document (Task 6.1)	December 15, 2017	Document was submitted during this Quarter.
Draft Chocolate Bayou I-Plan (Task 6.2)	March 15, 2018	This task was altered during the quarter. The Work Order was amended. This task will be updated with the July Progress Report to reflect the change.
Chocolate Bayou CC Meetings (Task 6.3)	One to Three Meetings	CC was held in January 2018.
Chocolate Bayou Work Group Meetings (Task 6.4)	One to Four Meetings	Three work group meetings were held during the quarter: NPS – March 28, 2018 PS – April 5, 2018 Outreach – April 5, 2018
Submit Final Chocolate Bayou TMDL Document (Task 6.5)	Two weeks after receipt of TCEQ comments	TMDL document is undergoing a review and comments period.
Submit Final Chocolate Bayou I-Plan (Task 6.6)	Two weeks after receipt of TCEQ comments	This task was amended with Amendment #1. The July Progress Report will reflect the change to this task.

### **Work Performed This Period – detail all activities for this task and briefly describe the progress on each deliverable:**

H-GAC completed the draft TMDL document and the document was submitted to TCEQ in March. The document has gone through several rounds of comments.

Most of the work for this quarter focused on planning and facilitating three Chocolate Bayou Coordination Committee work group meetings. The meetings were held March 26, 2018 (Nonpoint Source (NPS)) and April 5, 2018 (Point Source (PS) and Outreach). Meeting announcements and agenda were prepared prior to meeting.

Materials shared with TCEQ prior to sending out to stakeholders. A summary for each meeting follows. Preparation for each meeting included:

- Updating potential stakeholder contact information (Lists attached to this report)
- Contacting stakeholders and scheduling a date and time via Doodle Poll
- Identifying a meeting location
- Drafting meeting announcement
- Emailing meeting announcement and follow-up
- Creating the meeting agenda and meeting materials

Nonpoint Source Work Group: Four stakeholders attended the meeting. The attendees reviewed the role of the work group. H-GAC facilitated a discussion on potential bacteria nonpoint sources found in Chocolate Bayou. Attendees were then provided example NPS implementation measures for approved I-Plans from nearby watersheds: Dickinson Bayou, San Antonio River Authority, and Tres Palacios I-Plans. The work group read each and highlight measures each felt were germane to Chocolate Bayou. They shared their results with the rest of the group.

Point Source Work Group: Two stakeholders attended the meeting. The attendees reviewed the role of the work group. H-GAC facilitated a discussion on potential bacteria point sources found in Chocolate Bayou. Attendees were then provided example PS implementation measures for approved I-Plans from nearby watersheds: Dickinson Bayou, San Antonio River Authority, and Tres Palacios I-Plans. The work group read each and highlight measures each felt were germane to Chocolate Bayou. They shared their results with the rest of the group.

Outreach Work Group: Four stakeholders attended the meeting. The attendees reviewed the role of the work group. H-GAC facilitated a discussion on potential bacteria sources found in Chocolate Bayou. Attendees were then provided example Outreach implementation measures for approved I-Plans from nearby watersheds: Dickinson Bayou, San Antonio River Authority, and Tres Palacios I-Plans. The work group read each and highlight measures each felt were germane to Chocolate Bayou. They shared their results with the rest of the group.

## **TASK #7 WATERSHED CHARACTERIZATION REPORT FOR HALLS BAYOU TIDAL**

<b>Deliverable(s)</b>	<b>Due Date</b>	<b>Status</b>
List all deliverables under the task described above	List the due dates for each deliverable	Final progress report and evaluation submitted to TCEQ
Draft Watershed Characterization Report (Task 7.1)	July 15, 2018	Collection of data and geographical information began.
Final Watershed Characterization Report (Task 7.2)	Two weeks after receipt of TCEQ comments.	No progress reported.

**Work Performed This Period – detail all activities for this task and briefly describe the progress on each deliverable:**

Work started in this quarter. Data and GIS information was gathered and the information was being analyzed. TCEQ provide a watershed layer using NHDPlus.

## TASK #8 SUPPORT OF TEXAS STREAM TEAM PROGRAMS

Deliverable(s)	Due Date	Status
List all deliverables under the task described above	List the due dates for each deliverable	Final progress report and evaluation submitted to TCEQ
Organize trainings and provide monitoring kits (Task 8.1)	Provide summaries with PRs	May 4, 2018 in Houston
Target volunteer efforts (Task 8)	Provide summaries with PRs	One citizen from Brazoria County was present at the event.

### Work Performed This Period – detail all activities for this task and briefly describe the progress on each deliverable:

A TST training was offered on May 4, 2018 in Houston. One potential Basin 11 stakeholder (Brazoria County) attended the event.

### PROJECT RELATED MEETINGS, WORKSHOPS, TRAINING OR EVENTS

- 1) Presentations:
  - a. May 1, 2018 – staff presented to the Clean Rivers Program Basin Steering Committee on the topic of TMDLs in the region.
- 2) Meetings, Events and Conferences:
  - a. March 30, 2018 – TrashBash© was held including sites in Basin 11: Armand Bayou, Dickinson Bayou, Seabrook, Virginia Point and Bastrop Bayou.
  - b. April 21, 2018 – Bay Day Festival
  - c. May 19, 2018 - OSSF Homeowner Education Workshop was held in Bayou Vista.
- 3) Associated Implementation Projects and Programs
  - a. LID Project – staff continued to participate in a LID project with the City of Pearland using GBEP funding. H-GAC is reviewing current city ordinance and codes to develop recommendation to encourage the use of LID and green infrastructure practices.
  - b. H-GAC is coordinating with TWRI on a bacteria source tracking project that includes sites in the project area.

### BRIEF DESCRIPTION OF OVERALL FINDINGS:

Work during this quarter focused on:

- delivering and revising the draft Chocolate Bayou TMDL document;
- hosting three Chocolate Bayou CC work group meetings;
- completing data analysis and starting to write the Oyster Creek TSD; and
- gathering data for the Halls Bayou Characterization Report.

A common theme for all three work groups was the gravitation to the Tres Palacios I-Plan. H-GAC will use that plan as a template for Chocolate Bayou. H-GAC also worked with TCEQ to execute Amendment #1 to the Basin 11 work order.

### Significant Problems (describe any scheduling shortfalls, detail significant problems and how these problems were resolved, etc.):

H-GAC completed initial Oyster Creek watershed maps. It was found after submitting them to TCEQ that the maps did not accurately reflect the watershed boundary that TCEQ prefers and that there were changes to the assessment units in the upper part of Oyster Creek. H-GAC coordinated with TCEQ to revise the watershed boundary.