

BACTERIA IMPLEMENTATION GROUP (BIG)

Name	Representing	Organization	Alternate 1	Alternate 2
Michael Bloom	Agriculture/Business	RG Miller Engineers, Greater Houston Partnership	Jason Maldonado	
Alisa Max	County	Harris County	Danielle Cioce	Nick Russo
Marilyn Christian	County	Harris County Public Health & Environmental Services	Jennifer Wheeler	Denise Hall
Greg Hall*	Municipal	City of Conroe		
		Montgomery County	Michael Lindsey	
Catherine Elliott	County	Harris County Flood Control District	Jonathan Holley	Robert Snoza
Ann Olson	Buffalo/White Oak TMDL	Buffalo Bayou Partnership	Jessalyn Giacoma	Linda Shead
Carol Haddock	Municipal	City of Houston	Richard Chapin	Kathlie Bulloch
Teague Harris	Municipal	IDS Engineering		
Bruce Helberg	Conservation	Bayou Preservation Association	Steve Hupp	
		City of Webster		
Jason Iken	Metro TMDL	City of Houston	Carol Labreche	Richard Chapin
Tom Ivy	Public	Texas Stream Team	Jim Williams	
David Parkhill*	Agriculture/Business	San Jacinto River Authority		
Helen Lane	Conservation	Houston Audubon Society	Bethany Foshee	
Mike Lindsey	County	Montgomery County	Frank Green	Scott Nichols
Craig Maske	Metro TMDL	Alan Plummer Associates	Scott Saenger	
Cathy McCoy	Agriculture/Business	Harris County Soil & Water Conservation District #442		
		The Woodlands Joint Powers Agency		
Becky Olive	Agriculture/Business	AECOM	Ralph Galvino	Patty Matthews
Mitchell Page	Lake Houston TMDL	Schwartz, Page, & Harding, LLP	Michael Page	
Raymond Pavlovich	Wildcard	Nottingham County Municipal Utility District	Michael Thornhill	Matt Carpenter
Linda Pechacek	Public	Citizen, Civil Engineer	Rachel Powers	
Phillip Goodwin	Buffalo/White Oak TMDL	City of Houston	Aaron Wleczorek*	
Phyllis Frank*	Clear Creek TMDL	Gulf Coast Waste Disposal Authority		
Jim Robertson	Conservation	Cypress Creek Flood Control Coalition	Richard Smith	
Linda Shead	Conservation	Texas Coastal Partners	Mary Ellen Whitworth	Carolyn White
Brian Shraaelsky	Public	Lone Star College, Kingwood	Jon Connolly	
Scott Jones	Clear Creek TMDL	Galveston Bay Foundation	Charlene Bohannon	
Michael Lee	Resource Agency	US Geological Survey		
Earl Smith	Municipal	City of League City	Susie Blake	Brian Craig

*Requires BIG Approval



**FALL MEETING
Summary**

**Tuesday, October 21, 2014
1:00 am to 3:00 pm
H-GAC Conference Room A, Second Floor
3555 Timmons Lane**

Members Present

Teague Harris, Jason Iken, Tom Ivy, Scott Jones, Mike Lindsey, Mike Lee, Raymond Pavlovich, Linda Pechacek, Kathy Richolson, Jim Robertson, Linda Shead, Brian Shmaefsky (on phone)

Michael Bloom was represented by Jason Maldonado (on phone)

John Blount was represented by Alisa Max

Catherine Elliot was represented by Jonathan Holley

Carol Haddock was represented by Richard Chapin

Bruce Heiberg was represented by Steve Hupp

Becky Olive was represented by Ralph Calvino

Ann Olson was represented by Linda Shead

Ceil Price was represented by Phillip Goodwin

Members Absent

Shannon Hicks, Helen Lane, Ron Kelling, Cathy McCoy, Michael Mooney, Linc Wright

Guests Present

Martin Balch, Daniel Bowen, Linda Broach, Danielle Cioce, Tom Douglas, Diane Humes, Anita Hunt, Kim Laird, Carole Lamont, Lisa Leija, Sonja Lewis, Luz Locke, Ruben Martinez, Jennifer Mays, Maria Modelska, Chip Morris, Jack Murphy, Carol Serna, R.D. Smith, Robert Snoza, Rose Sobel, Ron Stein, Chris Strupp, Adulberta Tamez, Frank Trujillo, Daniel Yuan

H-GAC Staff Present

Steven Johnston, Aubin Phillips, Todd Running

Call to Order/Welcome/Introductions

Steven Johnston welcomed those in attendance. Members of the BIG and guest were asked to introduce themselves. The agenda was reviewed and the BIG was provided the opportunity to discuss.

Certification of Quorum

A quorum was certified during the meeting.

Approval of Proposed Alternates & Members

BIG members reviewed the Bacteria Implementation Group Roster. Steven Johnston noted that Ceil Price has retired from the City of Houston. Phillip Goodwin was presented as the replacement for Ceil Price. Alisa Max was presented as a replacement for John Blount. Earl Smith was presented as League City's representative, replacing Linc Wright. Alisa Max asked that Danielle Cioce serve as her alternate. Linda Pechacek asked that Rachel Powers serve as her alternate. Steven Johnston noted that Becky Olive requested that Ralph Calvino serve as her alternate. Michael Lee stated that his alternate would be Amy Beussink.

Steven Johnston asked if voting members supported the changes to the roster by providing a thumbs-up before the group. All were in favor of the changes.

Approval of May 27, 2014 Meeting Summary

BIG members reviewed and provided comment to the Draft May Meeting Summary. With the changes, Scott Jones motioned for approval of the minutes and Jason Iken seconded. All of the BIG members were in favor. There was no additional discussion.

Public Comment

There were no public comments provided.

Old Business

Action Item: 2014 Annual Report

H-GAC staff reviewed the 2014 Annual Report with the BIG. Steven Johnston stated that analysis in the Annual Report is currently for the original watersheds in BIG. In the future analysis will include new watersheds, however the original area will continue to be used to ensure a baseline remains.

Steven Johnston reminded the BIG that the report is for the calendar year 2013 – January to December, format revised, strategy sections streamlined, and includes strategy section summaries. Mr. Johnston thanked work group members that have helped produce these sections and summaries.

Steven Johnston noted that H-GAC is still seeing decreases in bacteria for the BIG project area as opposed to areas outside. Bacteria in the BIG project area has decreased to below five times the bacteria standard of 126 MPN/100 mL. Mr. Johnston said that the report contains a new Highlights section. Highlights for the year include: addressing the top 10 list; SEP approval for OSSFs; doing structural BMPs for League City UHCL, Harris County and HCFCD; outreach and education on pet waste and cease the grease; and the Harris County WWTF plan reviews.

Steven Johnston proceeded to review each strategy section with the BIG. BIG members provided comments. Mr. Johnston noted that the process for developing the 2015 report will begin earlier, with the technical workgroups meeting in the fall and winter months, drafting the report in late winter and begin the review process in early spring. This revised process will hopefully decrease the length of time needed to produce the final report. Mr. Johnston stated that the comments provided will be addressed and that the document will be presented one last time to the Coordination and Policy workgroup and Waste Water Treatment Facility workgroup before being finalized.

Action Item: Implementation Plan Updates

H-GAC staff reviewed Addendum #1 with the BIG. Addendum #1 changes language to 9.4.5 to address the addition of new TMDL segments that are being added either within the BIG Project Area or at the request of stakeholders, segments outside of the BIG Project Area. BIG members asked that as new segments are added, that the original analysis of the BIG Project Area be preserved as a baseline and that future analysis continue to have the ability to compare back to the baseline to track progress from the beginning. Steven Johnston stated that the data are geographically based and that multiple analyses can be run, including tracking the baseline in the future.

Steve Hupp motioned to approve Addendum #1 as written and Linda Pechacek seconded. The BIG provided an all-thumbs-up to approve Addendum #1 to the BIG I-Plan.

New Business

Presentation by TCEQ: FY 2015 TMDL Program Update

Mr. Ron Stein, TMDL Program Manager, provided an update on the TMDL Program. Mr. Stein noted that there were new segment within the BIG TMDL project area – rolling fork creek, tributary of white oak, will go in January for the Water Quality Management Plan Update. Also Armand Bayou's TMDL will be going through review and is placed on the Commissioner's Agenda for January 21 with the hope to release for public comment. The East and West Fork of the San Jacinto River TMDL study is complete and stakeholders have voted to join the BIG. The TMDL for Jarbo Bayou has a completed Technical Support Document in place however stakeholders have not voted on whether to join the BIG of develop an I-Plan. Mr. Stein stated that he has looked at 2014 303d and that a few segments are in the BIG Project Area but that they are waiting on list to be approved and finalized before adding them to the BIG via addendum

Discussion: Watershed Updates

Staff provided updates to the Jarbo Bayou and East and West Fork of the San Jacinto River TMDL implementation planning processes. The East and West Fork project has completed 3 rounds of Coordination Committee meetings, 6 work groups met, and has resulted in a unanimous vote to join the BIG. The Coordination Committee will meet November 3 to discuss recommendation to the BIG concerning their interest in joining the BIG. Members

are considering recommendations that include potential new seats on the BIG and encourage additional monitoring due to the more rural nature of the watershed.

Jarbo Bayou has also completed three rounds of Coordination Committee (CC) meetings and formed three work groups. The last meeting CC met but did not have a quorum to vote. Those stakeholders in attendance took straw poll that was 6 to 4 in favor of joining. H-GAC staff will be phone conferencing with individual members to ascertain their vote. The results of the vote will be sent out to the entire CC. The CC and workgroups have discussed concerns about the I-Plan's lack of measures for boaters and marinas and the fact that the watershed is small and coastal when compared to the BIG project area.

Discussion: Review 2015 Annual Report Process

H-GAC Staff reviewed the 2015 Annual Report Process. Steven Johnston noted that workgroups would begin meeting in November and December 2014. H-GAC would begin to gather data, mail out surveys and gather implementation information in November thru February. The first draft will be completed in February and workgroup follow-up meetings and review of first draft will begin in February 2015. The second draft will be completed in March and presented to the Coordination and Policy workgroup. A final rough draft will then be shared with the BIG in April prior to the May Annual meeting.

Staff then provided general thoughts concerning the next report process that included:

- Bring additional partners to the table
- Presenting 72 TMDL BIG Project Area Baseline
- Regional Basin Focus – Upper, Middle, Lower Basin Analysis
- Move BIG Fall meeting in the future to tie in with Regional Basin approach
- Prioritize Implementation in the workgroups
- Develop a Project Funding List

Other Business/Roundtable

Several upcoming event announcements were made including:

- 10/23/2014 Get Out to the Bayou and Swim? Bayou Preservation Association Symposium
- 10/27-29/2014 District Directors of TSSWCD 74 Annual Meeting
- 10/28-29/2014 Clean Waters Initiative Social Media
- 10/29/2014 Home Owners Septic System Maintenance
- 12/5/2014 H-GAC Fall Planning Workshop – LID
- 1/17-21/2014 International LID Conference

Next Meeting Date

Tuesday, May 12, 2014
H-GAC Conference Room A (2nd Floor)

Bacteria Implementation Group Implementation Plan

Draft 2nd Addendum

1) Change to Title Page to reflect the addition of 7 new TMDLs within the BIG project area.

New Title Page:

Approved by the Commission: January 30, 2013

Approved by the Bacteria Implementation Group: October 16, 2012

Revised by the Bacteria Implementation Group: **June 22, 2015**

Implementation Plan for Ninety-Five Total Maximum Daily Loads for Bacteria in the Houston-Galveston Region

Segments

Buffalo and White Oak Bayous: 1013, 1013A, 1013C, 1014, 1014A, 1014B, 1014E, 1014H, 1014K, 1014L, 1014M, 1014N, 1014O, 1017, 1017A, 1017B, 1017D, 1017E, and **1017F**

Clear Creek: 1101, 1101A, 1101B, 1101C, 1101D, 1101E, 1102, 1102A, 1102B, 1102C, 1102D, 1102E, and 1102G

Greens Bayou: 1016, 1016A, 1016B, 1016C, and 1016D

Eastern Houston: 1006F, 1006H, 1007F, 1007G, 1007H, 1007I, 1007K, 1007M, 1007O, and 1007R

Halls Bayou: 1006D, 1006I, and 1006J

Brays Bayou: 1007B, 1007C, 1007E, and 1007L

Sims Bayou: 1007 D and 1007N

Watershed Upstream of Lake Houston: 1004E, 1008, 1008H, 1009, 1009C, 1009D, 1009E, 1010, and 1011

Armand Bayou: 1113, 1113 A, 1113B, 1113C, 1113D, and 1113E

TMDL Implementation Plan Stakeholder Process Recommendations

East and West Fork of the San Jacinto River TMDL Stakeholder Group

Jarbo Bayou TMDL Stakeholder Group

Maintain Coordination Committee

Maintain Coordination Committee

Encourage Regional Bacteria Education

Encourage Regional Bacteria Education

Encourage the Collection of Monitoring Data from Large Undeveloped Regions

Address Geographic Differences between Urban Core, Suburban, and Coastal Areas

Encourage Implementation Practices that Consider Current Impairments and Prevent Future Impairments

Address Boaters and Marinas as Sources of Bacteria in the I-Plan

Encourage Increased Enforcement of Local Environmental Laws