

## What is the BIG I-Plan? And who developed it?

The I-Plan is a common-sense approach for reducing bacteria levels in our waterways and providing better services to citizens. The I-Plan provides a menu of water protection strategies and activities. The Bacteria Implementation Group, or the BIG, developed the plan. The BIG is a group of government, business, and community leaders who worked together with the common goal of developing a plan for reducing bacteria in area waterways.

## Who implements the plan?

We all implement the plan. In addition to individuals who live, work, and play in the project area, key stakeholders include local governments, industries, land owners, and residents.

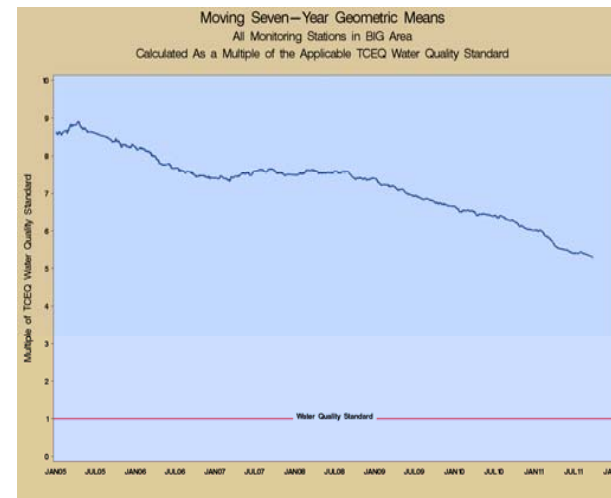
The information contained in the report is based on analysis of existing reports and information identified by stakeholders during workgroup meetings leading up to the BIG annual meeting in May 2012.

Next year, this report will include a list of entities who provided information for this report about the activities they undertook to reduce the amount of bacteria entering our waterways. H-GAC will request existing reports and

information from stakeholders, including the Texas Commission on Environmental Quality (TCEQ), the Environmental Protection Agency, counties, cities, wastewater permit holders, and municipal stormwater permit holders.

### Get involved!

Simple activities you can do to help reduce the amount of bacteria entering our waterways include picking up after your pet and putting the waste in the trash, and putting cooking grease in the garbage instead of down the drain. You can also become a Texas Stream Team volunteer water quality monitor. If you want to do more, you can participate in BIG meetings and on workgroups.



*Since 2005, bacterial levels in waterways in the project area have decreased from almost nine times the state standard to just over five times the standard.*

The preparation of this report was financed in part through grants from the U.S. Environmental Protection Agency through the Texas Commission on Environmental Quality.

More information about the project, including a the full report, can be found at

[www.h-gac.com/BIG](http://www.h-gac.com/BIG)

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# BIG Implementation Report At-A-Glance 2011



A summary of activities undertaken by stakeholders of the Bacteria Implementation Group in 2011.  
This document is a companion to the full BIG report.



#	Activity	Target/ Objective/ Milestone	Status
1.1	Impose More Rigorous Bacteria Monitoring Requirements	Within five years, all of the permits should have had renewals initiated to include more rigorous monitoring requirements	Not started, On schedule
1.2	Impose Stricter Bacteria Limits for WWTF Effluent	Within five years, all of the permits should have had renewals initiated to include more stringent limits for bacteria in effluent	In progress, On schedule
1.3	Increase Compliance and Enforcement by the TCEQ	-The ability to conduct focused sampling investigations -The number of unannounced inspections -The number of focused sampling investigations -The percent of plans and specifications reviewed -The percent of DMRs reviewed -The number of other investigations conducted	Not started, On schedule
1.4	Improved Design and Operation Criteria for New Plants	Every five years, 20% of local governments will have considered whether to adopt stricter requirements	In progress, Ahead of schedule
1.5	Upgrade Facilities	The number of non-compliant WWTFs that have been upgraded	No information
1.6	Consider Regionalization of WWTFs	-Criteria developed for identifying chronically non-compliant WWTFs -The number of non-compliant WWTFs identified using criteria -The number of chronically non-compliant WWTFs that have considered regionalization	Not started, On schedule
1.7	Use Treated Effluent for Facility Irrigation	Every five years, one WWTF shall install and use a new irrigation system, utilizing treated effluent	No information
2.1	Develop Utility Asset Management Programs (UAMPs) for Sanitary Sewer Systems	-After five years, eight workshops held -After ten years, all WWTF have UAMP plans	In progress, On schedule
2.2	Address Fats, Oils, and Grease	Within five years: -Compile and share all existing regulations within project area -Each community shall examine their regulations and policies -One community shall adopt new regulation -Flyers or other collateral material distributed -Website created and distributed	In progress, On schedule
2.3	Encourage Appropriate Mechanisms to Maintain Function at Lift Stations	Every five years, 10% of SSS shall be compliant with recommendations	No information
2.4	Improve Reporting Requirements for SSOs	Within five years, EPA/TCEQ will have developed appropriate database and technology for collecting and sharing information regarding SSOs	In progress, On schedule
2.5	Strengthen Controls on Subscriber Systems	-By year three, develop model contract language -Within five years, develop list of subscriber systems -As funds are available, initiate circuit rider program	Not started, On schedule
2.6	Penalties for Violations	-Within five years, have appropriate penalty policy in place	Completed, Ahead of schedule
3.1	Identify and Address Failing Systems	-Year 1: Initial map created -Year 2: Target areas identified	In progress, On schedule
3.2	Address Inadequate Maintenance of OSSF	-Ongoing: Data collected from Authorized Agents -500 OSSFs repaired/replaced every five years	In progress, On schedule
3.3	Legislation and Other Regulatory Actions	Within five years: -Each community examine their regulations and policies -Existing regulations compiled and shared -Flyers or collateral material distributed -Annual local meeting of Authorized Agents -TCEQ to host biennial meetings to review OSSF regulations -Within five years: ---One community shall revise or adopt new regulations every five years ---Changes to TOWTRC rules	In progress, On schedule
4.1	Continue Existing Programs	80 programs will continue	In progress, On schedule
4.2	Model Best Practices	Each year: -Four to six networking meetings -Five local programs highlighted	In progress, On schedule
4.3	Encourage Expansion of Stormwater Management Programs	Within five years: -All permit holders shall expand or focus their existing programs -30 previously unpermitted entities shall develop new programs	Not started, On schedule
4.4	Promote Recognition Programs for Developments that Voluntarily Incorporate Bacteria Reduction Measures	-Within five years, develop a recognition program and subsequently recognize communities and participants -Each year, two communities analyze regulations and programs to accommodate participation in existing programs	Not started, On schedule
4.5	Provide a Circuit Rider Program	-Each year, contact 50 stakeholders and provide five in-depth community consultations	Not started, On schedule
4.6	Petition TCEQ to Facilitate Reimbursement of Bacteria Reduction Measures	-Within three years, letter of commitment or similar from TCEQ	Not started, On schedule
5.1	Increase Compliance With and Enforcement of Stormwater Management Permits	-Year 1: MSAs evaluate need or requirement for staffing an appropriate construction inspection program -Year 2: Develop and begin offering educational materials and training	In progress, On schedule
6.1	Detect and Eliminate Illicit Discharges	-Within ten years, initial surveys and maps completed. -Number of illicit discharges identified and resolved each year.	In progress, On schedule
6.2	Improve Regulation and Enforcement of Illicit Discharges	-Within five years, compile and share all existing regulations in project area -All communities shall examine their regulations, and one shall adopt new or revised regulations.	Not started, On schedule
6.3	Monitor & Control Waste Hauler Activities	Within five years, one waste hauler fleet tracking pilot program shall be started	Not started, On schedule
7.1	Promote Increased Participation in Existing Programs for Erosion Control Nutrient Reduction, and Livestock Management	Each year, 5% increase in participation	No information
7.2	Promote the Management of Feral Hog Populations	Two workshops each year for five years	Not started, On schedule
8.1	Expand Homeowner Education Efforts Throughout the BIG Project Area	-2% annual increase in number of communities participating -Every five years, one pilot study in the BIG project area	In progress, On schedule

A more detailed explanation of status is available in the full report.

Note: Because the plan does not officially begin until TCEQ approval, any activity already started is ahead of schedule.







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# Implementation Strategy 4.0: Storm Water & Land Development

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## Work Group Recommendations

*Meeting January 30, 2012. 17 attendees, including 4 BIG members and 4 alternates.*

 <p><b>Progress</b></p>	Progress has been adequate. MS4 Phase II permit renewal is in progress. Annual reports are on H-GAC website. Additional MS4 operators are expected based on 2010 Census data. Educational and networking meeting series has been established.
 <p><b>Achievements</b></p>	MS4 annual reports are being used to identify speakers for the Clean Waters Initiative storm water workshop series. "Learning more with each workshop," wrote one participant.
 <p><b>Focus</b></p>	Focus in the coming year will be on tracking implementation by stakeholders and on involving new MS4 permittees.
 <p><b>Revisions</b></p>	The work group does not recommend changes to the I-Plan.