

Carters and Burton—Implementation Activities

Year 1 Status

Stakeholders met in May 2013 to discuss and evaluate the progress of I-Plan implementation. The following tables summarize the status of activities implemented in the first year.

Management Measures

Management Measure 1: Monitoring and Assessment

Responsible Parties	Implementation Measure	Implementation Milestones	Current Status
TCEQ NPS Program: <ul style="list-style-type: none"> Funding 	<ul style="list-style-type: none"> Coordinate and expand existing water quality monitoring in the watershed 	<ul style="list-style-type: none"> Funding provided Schedule: Year 1: <ul style="list-style-type: none"> Establish contracts 	<ul style="list-style-type: none"> Funded and in process TWRI is monitoring
TWRI: <ul style="list-style-type: none"> project management, reporting, data collection 	<ul style="list-style-type: none"> Coordinate and expand existing water quality monitoring in the watershed 	<ul style="list-style-type: none"> Funding is being sought. Contracts established. QAPP developed. Monitoring initiated. Schedule: Year 1: <ul style="list-style-type: none"> Establish contracts, procure supplies, develop QAPP, and initiate monitoring. Continue CRP Deliver E&O on project findings Organize and train volunteers for WQM 	<ul style="list-style-type: none"> Monitoring was initiated in May 2013 and is continuing monthly Volunteers are being trained (there are currently about 65 students) There is a need for storm sampling, but that is dependent on the weather

Abbreviations

BCHD Brazos County Health Department
 BMPs best management practices
 COB City of Bryan
 COCS City of College Station
 CRP Clean Rivers Program
 E&O education and outreach
 FY fiscal year
 GIS geographic information system
 MS4 municipal separate storm sewer
 NRCS Natural Resources Conservation Service

OSSF on-site sewage facility
 SSO sanitary sewer overflow
 SWCD Soil and Water Conservation District
 SWMP stormwater management plan
 TPWD Texas Parks and Wildlife Department
 TWRI Texas Water Resources Institute
 TSSWCB Texas State Soil and Water Conservation Board
 QAPP quality assurance project plan
 WQM water quality monitoring
 WWTF Wastewater Treatment Facility

Management Measure 2: Tax Valuation Amendments

Responsible Parties	Implementation Measure	Implementation Milestones	Current Status
NRCS & AgriLife Extension: <ul style="list-style-type: none"> technical assistance 	<ul style="list-style-type: none"> Determine the water quality impacts of (1) modifications to tax valuation requirements for agricultural lands and (2) of transitioning from agriculture to wildlife valuations 	<ul style="list-style-type: none"> Tax requirement discussions complete. Educational material dissemination discussed. Schedule: Year 1: <ul style="list-style-type: none"> Discuss tax modifications and use of Appraisal District mailing for educational material dissemination. 	<ul style="list-style-type: none"> This doesn't seem to be feasible, and might not be as necessary as previously believed, given the ongoing changes in the watershed
TWRI: <ul style="list-style-type: none"> Seek funding support 	<ul style="list-style-type: none"> Determine the water quality impacts of (1) modifications to tax valuation requirements for agricultural lands and (2) of transitioning from agriculture to wildlife valuations 	<ul style="list-style-type: none"> Funding source identified/secured. Schedule: Year 1: <ul style="list-style-type: none"> Seek funds for land use change assessment. 	<ul style="list-style-type: none"> The institute has been working with an ag/econ professor on this, and they can't find anything yet, but there may be other opportunities An OSSF education grant application for 319 funding was submitted for FY14

Management Measure 3: OSSF Education, Inspection, Operation, Maintenance, and Tracking

Responsible Parties	Implementation Measure	Implementation Milestones	Current Status
Brazos County Health Dept.: <ul style="list-style-type: none"> technical assistance, lead entity on all items. 	<ul style="list-style-type: none"> Work to improve OSSF identification, inspection, pre-installation planning, education, operation, maintenance, and tracking to ensure proper system functioning 	<ul style="list-style-type: none"> GIS layers coordinated with BCHD, cities of Bryan and College Station. E&O delivery mechanisms identified and put into use. OSSF inspections continue as required. Schedule: Year 1: <ul style="list-style-type: none"> Begin identifying OSSFs in watershed. Coordinate GIS information. Evaluate E&O delivery mechanisms. Ensure OSSF inspections occur as required. 	<ul style="list-style-type: none"> Plans to work with TWRI on the GIS mapping database The department has been going to cluster OSSF systems and checking them in person Some properties might be joining with the city lines, but more information is needed on the city being able to cover these costs
TWRI: <ul style="list-style-type: none"> Seek funding; develop & administer focused project 	<ul style="list-style-type: none"> Work to improve OSSF identification, inspection, pre-installation planning, education, operation, maintenance, and tracking to ensure proper system functioning 	<ul style="list-style-type: none"> GIS layers coordinated with BCHD, cities of Bryan and College Station. Schedule: Year 1: <ul style="list-style-type: none"> Coordinate GIS information. 	<ul style="list-style-type: none"> In progress, and present coordination with BCHD

Management Measure 4: SSO Initiative

Responsible Parties	Implementation Measure	Implementation Milestones	Current Status
<p>City Of Bryan:</p> <ul style="list-style-type: none"> implement and fund its SSO initiative. <p>City Of College Station:</p> <ul style="list-style-type: none"> establish, implement and fund its SSO initiative. 	<ul style="list-style-type: none"> Implement sanitary sewer overflow (SSO) initiatives as appropriate across the watershed. 	<ul style="list-style-type: none"> GIS layers illustrating SSO events, repairs, and replacements made. # of E&O disseminations/views/events <p>Schedule: Year 1:</p> <ul style="list-style-type: none"> COB continues implementing SSO initiative as planned. COCS establish SSO initiative and begin implementation. Track SSO events, repairs, and replacements annually in GIS. Conduct E&O to minimize future SSOs. 	<p>Both cities:</p> <ul style="list-style-type: none"> The initiative is active and being maintained – there have been PSAs, over 1000 sewer stops, repairs to private lines, and many miles of pipelines have been cleaned GIS mapping with TWRI was started, but has been stalled. This might be able to get started back up College Station has an ongoing SSO program demonstrated by their rolling 5 year maintenance and capital budgets.

Management Measure 5: Voluntary Agricultural BMPs

Responsible Parties	Implementation Measure	Implementation Milestones	Current Status
<p>Agencies (TPWD, TSSWCB, NRCS, Brazos Co. SWCD #450)</p> <ul style="list-style-type: none"> provide technical & financial assistance as available. 	<ul style="list-style-type: none"> Voluntary BMP implementation on private properties 	<ul style="list-style-type: none"> Development of priority ranking system. Identification of priority landowners. Compilation of landowner contact info. <p>Schedule: Year 1:</p> <ul style="list-style-type: none"> Property prioritization developed and completed. Contact information compiled. E&O needs assessed 	<ul style="list-style-type: none"> TSSWCB – no active BMPs, but ag land is declining in the watershed Prioritizing has been done, but nothing more since then

Management Measure 6: Development/Redevelopment Water Quality Mitigation

Responsible Parties	Implementation Measure	Implementation Milestones	Current Status
<p>Brazos County</p> <ul style="list-style-type: none"> • Ordinances in unincorporated areas of the county. • Participating in assessment of local awards program. • Planning/ delivery/ participation in E&O activities. 	<ul style="list-style-type: none"> • Continue existing, and work to establish, mechanisms that encourage and promote future development and redevelopment that will mitigate adverse water quality impacts in the watershed 	<ul style="list-style-type: none"> • Awards program evaluation complete. • Documented # of amended or new ordinances developed in support of SWMPs. <p>Schedule: Year 1:</p> <ul style="list-style-type: none"> • Complete evaluation of awards program feasibility and make a determination. • Begin to amend existing or develop new ordinances in support of entity specific SWMPs. 	<ul style="list-style-type: none"> • No awards program – more information/assistance needed • Active MS4 outreach • BrazosCleanWater.org shows the outreach efforts and education including household hazardous waste programs and clean ups
<p>COB</p> <ul style="list-style-type: none"> • Ordinances in city’s jurisdiction. • Participating in assessment of local awards program. • Planning/ delivery/ participation in E&O activities. 	<ul style="list-style-type: none"> • Continue existing, and work to establish, mechanisms that encourage and promote future development and redevelopment that will mitigate adverse water quality impacts in the watershed 	<ul style="list-style-type: none"> • Awards program evaluation complete. • Documented # of amended or new ordinances developed in support of SWMPs. <p>Schedule: Year 1:</p> <ul style="list-style-type: none"> • Complete evaluation of awards program feasibility and make a determination. • Begin to amend existing or develop new ordinances in support of entity specific SWMPs. • Continue riparian area protection as funding allows. 	<ul style="list-style-type: none"> • No awards program – more information/assistance needed • Active MS4 outreach • BrazosCleanWater.org shows the outreach efforts and education including household hazardous waste programs and clean ups
<p>COCS</p> <ul style="list-style-type: none"> • Ordinances in city’s jurisdiction • Participating in assessment of local awards program. • Planning/ delivery/ participation in E&O activities. 	<ul style="list-style-type: none"> • Continue existing, and work to establish, mechanisms that encourage and promote future development and redevelopment that will mitigate adverse water quality impacts in the watershed 	<ul style="list-style-type: none"> • Awards program evaluation complete. • Documented # of amended or new ordinances developed in support of SWMPs. <p>Schedule: Year 1:</p> <ul style="list-style-type: none"> • Complete evaluation of awards program feasibility and make a determination. • Begin to amend existing or develop new ordinances in support of entity specific SWMPs. • Continue riparian area protection as funding allows. 	<ul style="list-style-type: none"> • No awards program – more information/assistance needed • Active MS4 outreach • BrazosCleanWater.org shows the outreach efforts and education including household hazardous waste programs and clean ups • Developed newsletters to acknowledge activities completed and a watershed tour of these for students

Control Actions

Control Action 1: Individual MS4 Phase II BMPs

Control Action 2: Continue Monitoring WWTF Effluent E. coli Levels

Responsible Parties	Implementation Measure	Implementation Milestones	Current Status
<p>Brazos County</p> <ul style="list-style-type: none"> Implementing its SWMP. Completing annual SWMP report. Revising and keeping its MS4 permit current. Coordinating with other MS4 entities. 	<ul style="list-style-type: none"> Implement entity-specific MS4 Phase II SWMPs throughout the watershed 	<ul style="list-style-type: none"> Annual reports compiled and submitted to TCEQ. <p>Schedule: Year 1:</p> <ul style="list-style-type: none"> Continue participation in the Brazos Clean Water and implement MCMs and BMPs according to individual MS4 Phase II SWMPs. 	<ul style="list-style-type: none"> The permit expired and now waiting on TCEQ to approve new permit See efforts through Brazos Clean Water program
<p>COB</p> <ul style="list-style-type: none"> Implementing its SWMP. Completing annual SWMP report. Revising and keeping its MS4 permit current. Coordinating with other MS4 entities. operating Burton Creek WWTF. 	<ul style="list-style-type: none"> Implement entity-specific MS4 Phase II SWMPs throughout the watershed Continue monitoring WWTF effluent E. coli levels according to individual permit requirements 	<ul style="list-style-type: none"> Annual reports compiled and submitted to TCEQ. <p>Schedule: Year 1:</p> <ul style="list-style-type: none"> Continue participation in the Brazos Clean Water and implement MCMs and BMPs according to individual MS4 Phase II SWMPs. <i>E. coli</i> concentrations in effluent reported as required through discharge monitoring report. <p>Schedule: All Years:</p> <ul style="list-style-type: none"> Operate their permitted discharges in accordance with their individual permits. Report <i>E. coli</i> levels in effluent as required by permit. 	<ul style="list-style-type: none"> Monitoring is occurring and levels are looking good
<p>COCS</p> <ul style="list-style-type: none"> Implementing its SWMP. Completing annual SWMP report. Revising and keeping its MS4 permit current. Coordinating with other MS4 entities. operating Carters Creek and Carter Lake WWTFs. 	<ul style="list-style-type: none"> Implement entity-specific MS4 Phase II SWMPs throughout the watershed Continue monitoring WWTF effluent E. coli levels according to individual permit requirements 	<ul style="list-style-type: none"> Annual reports compiled and submitted to TCEQ. <p>Schedule: Year 1:</p> <ul style="list-style-type: none"> Continue participation in the Brazos Clean Water and implement MCMs and BMPs according to individual MS4 Phase II SWMPs. <i>E. coli</i> concentrations in effluent reported as required through discharge monitoring report. <p>Schedule: All Years:</p> <ul style="list-style-type: none"> Operate their permitted discharges in accordance with their individual permits. Report <i>E. coli</i> levels in effluent as required by permit. 	<ul style="list-style-type: none"> Monitoring is occurring and levels are looking good

Responsible Parties	Implementation Measure	Implementation Milestones	Current Status
<p>Texas A&M</p> <ul style="list-style-type: none"> Implementing its SWMP. Completing annual SWMP report. Revising and keeping its MS4 permit current. Coordinating with other MS4 entities. operating the Texas A&M Central Utility. 	<ul style="list-style-type: none"> Implement entity-specific MS4 Phase II SWMPs throughout the watershed Continue operating the TAMU Central Utility according to individual permit requirements 	<ul style="list-style-type: none"> Annual reports compiled and submitted to TCEQ. <p>Schedule: Year 1:</p> <ul style="list-style-type: none"> Continue participation in the Brazos Clean Water and implement MCMs and BMPs according to individual MS4 Phase II SWMPs. maintain permit compliance <p>Schedule: All Years:</p> <ul style="list-style-type: none"> Operate their permitted discharges in accordance with their individual permits. 	<ul style="list-style-type: none"> See efforts through Brazos Clean Water program Developed construction inspection program The permit expired and now waiting on TCEQ to approve new permit Outfall inspections are occurring Burton creek will have a stream clean event
<p>TxDOT Bryan District</p> <ul style="list-style-type: none"> Implementing its SWMP. Completing annual SWMP report. Revising and keeping its MS4 permit current. Coordinating with other MS4 entities. 	<ul style="list-style-type: none"> Implement entity-specific MS4 Phase II SWMPs throughout the watershed 	<ul style="list-style-type: none"> Annual reports compiled and submitted to TCEQ. <p>Schedule: Year 1:</p> <ul style="list-style-type: none"> Continue participation in the Brazos Clean Water and implement MCMs and BMPs according to individual MS4 Phase II SWMPs.. 	<ul style="list-style-type: none"> See efforts through Brazos Clean Water program Agreement where City of College Station has monitoring samplers, but waiting on rain events TCEQ received annual report with all MS4 information needed – checklist included
<p>TCEQ</p> <ul style="list-style-type: none"> Ensuring permit compliance & enforcement. 	<ul style="list-style-type: none"> Ensure permit compliance for MS4s and TPDES permittees 	<ul style="list-style-type: none"> Perform inspections as required by permit <p>Schedule: Year 1:</p> <ul style="list-style-type: none"> Receive and review annual reports for MS4s Perform inspections as required Review discharge monitoring data to ensure permit compliance 	<ul style="list-style-type: none"> No MS4s inspections this year, but FY14 for both College Station and Bryan For TPDES the following comprehensive compliance investigations were completed: City of Bryan Burton Creek WWTP, WQ0010426001 (3/7/13), City of College Station Carter Lake WWTP, WQ0013153001 (5/7/13); and Texas A&M Power Plant, WQ00040020000 (11/13/12) All necessary annual reports were submitted for MS4s
<p>Owner/operator of Glen Oaks WWTF</p> <ul style="list-style-type: none"> operates WWTF 	<ul style="list-style-type: none"> Continue monitoring WWTF effluent E. coli levels according to individual permit requirements 	<ul style="list-style-type: none"> operate WWTF in compliance with permit <p>Schedule: All Years:</p> <ul style="list-style-type: none"> Operate their permitted discharges in accordance with their individual permits. 	<ul style="list-style-type: none"> Difficult to contact – can look at TCEQ records of compliance and complaints to check on this