

Carters and Burton – Implementation Activities **Year 3 Check In**

Management Measures:

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 3: <ul style="list-style-type: none"> • Project completed/nearing completion. • Project reporting completed as planned. • Water quality monitoring results summarized and reported. <ul style="list-style-type: none"> • Water quality data submitted to TCEQ for SWQMIS inclusion. 	<ul style="list-style-type: none"> • Funded and in process • TWRI is monitoring <hr/> Monitoring continues and is scheduled through February 2015 This has been completed and a second round has been initiated.
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 • 	See above	<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 <hr/> <ul style="list-style-type: none"> • Monitoring continues as planned • Planned number of storm samples to be collected reached • Project report will be drafted next spring <hr/> Same as year two.
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 <hr/> No further action, as tax office has declined the idea No changes.

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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"> Same as above? 	<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 <hr/> <ul style="list-style-type: none"> No funding sources identified for ag to wildlife valuation study OSSF education grant submitted in FY 14 not funded, resubmitted in FY 15 <hr/> <p>There is still no funding available, but it is discussed twice per year.</p>
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 	Schedule: Year 3: <ul style="list-style-type: none"> GIS info coordinated between entities. # of OSSFs identified and added to database. Finding on need for new/amended ordinance. Modified ordinances developed and put in place. Document inspection follow ups. # of inspections finding improperly operating OSSFs. # of E&O materials delivered. # of OSSF owners contacted thru E&O efforts. 	<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 <hr/> <ul style="list-style-type: none"> Working with the City of Bryan on GIS mapping database, and TWRI has already started Visits to OSSFs outside city limits, as they're aware of the ones inside city limits Putting things together for outreach and education, but need an opportunity to distribute <hr/> <p>Same as year two, and they are hiring someone to work on this (investigations, follow-ups).</p>
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 	Schedule: Year 3: <ul style="list-style-type: none"> # of E&O materials delivered. # of OSSF owners contacted thru E&O efforts. 	<ul style="list-style-type: none"> In progress, and present coordination with BCHD <hr/> <ul style="list-style-type: none"> OSSF identification and estimation effort continues Outcome will be included in report developed next spring <hr/> <p>They are developing a proposal to deliver this state-wide. It includes online education, homeowner training, hands on training for technical service providers, and targets elected officials for outreach.</p>

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<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. 	<p>Schedule:</p> <p>Year 3:</p> <ul style="list-style-type: none"> Inflow and infiltration studies completed to target repairs # SSO incidents tracked; cause and source identified # of repairs documented and tracked GIS of SSO initiative actions # of E&O materials disseminated. # of customers reached by E&O material delivery. 	<p>Bryan:</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 <p>College Station:</p> <ul style="list-style-type: none"> The initiative is active and being maintained – there have been PSAs, See email if more details are needed. <p>Both Cities:</p> <p>GIS mapping with TWRI was started, but has been stalled. This might be able to get started back up</p> <hr/> <p>City of Bryan:</p> <ul style="list-style-type: none"> # of sewer stops 977 SSO response time 41:16 minutes 27.8 miles of sewer pipe smoke tested; 151 cleanouts replaced, 74 private side defects repaired, 31 public defects identified, 20 manhole defects identified. Repair to public assets are made based on CIP planning and/or severity of damage 124 manholes repaired 195 grease traps inspected All SSO sources identified, work orders documented in GIS and work order management system <p>City of College Station:</p> <ul style="list-style-type: none"> Active line-cleaning work orders on spills, smoke testing and rehab program. <hr/> <p>CoB: 856 sewer stops, 19 cleanouts, 911 repairs, 202 manholes repaired, 234 grease trap inspections, etc.</p> <p>CoCS developed and submitted a plan to regional headquarters, but was informed it was unnecessary. They are working through similar programs as CoB on their own accord.</p>
<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 	<p>Schedule:</p> <p>Year 3:</p> <ul style="list-style-type: none"> Contacts documented. # of landowners willing to participate. # of plans developed. # and type of BMPs implemented. # of E&O materials disseminated. # of landowners reached through E&O efforts. 	<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 <hr/> <p>There are no BMPs that they know of as of now, but TPWD might be a resource for that (not present at meeting)</p> <hr/> <p>Lucas can check with TSSWCB and TPWD on this.</p>

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<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 	<p>Schedule: Year 3:</p> <ul style="list-style-type: none"> • Documentation of awards given annually. • Winners publicly announced via available information outlets. • Documentation of ordinance or rule modifications in support of SWMPs. • Documentation of coordinated E&O activities held jointly between entities. 	<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 <hr/> <p>Developed newsletter for City of College Station planning and development that recognizes folks/businesses doing good practices for water quality improvement</p> <hr/> <p>Cleanwater.org is still up, and the program is continuing.</p>
<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 	<p>Schedule: Year 3:</p> <ul style="list-style-type: none"> • Documentation of awards given annually. • Winners publicly announced via available information outlets. • Documentation of ordinance or rule modifications in support of SWMPs. • Documentation of coordinated E&O activities held jointly between entities. 	<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 <hr/> <ul style="list-style-type: none"> • \$5899 expensed in E&O materials and print • New brochure on property management and code enforcement created (English and Spanish) • PSA on building codes launched • New ordinance created for mobile food vending and revised oil & gas well ordinance • Submitted new SWMP for coverage under General Permit. Received preliminary approval from TCEQ Exec. Director for permit. Permit should be issued within 45 days <hr/> <p>Both CoCS and CoB: working on ordinance and policy changes to issue fines and stop permitting processes, building permits, etc. when necessary.</p> <p>CoB also printed project highlights in local newspaper and had a one hour call-in time to talk about wastewater, targeting Hispanic populations.</p>

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<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 	<p>Schedule: Year 3:</p> <ul style="list-style-type: none"> • # of acres tracked that are considered or are enrolled in ‘Greenways’ program. 	<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 <hr/> <ul style="list-style-type: none"> • Earth day activities, using utility bills to send educational materials (proven effective through responses) <hr/> <p>See above.</p>

Control Actions:

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 	<p>Schedule: Year 3:</p> <ul style="list-style-type: none"> • Annual reports to TCEQ documenting progress in implementing MCMs and BMPs. • Actions of meetings documented and brazoscleanwater.org updated. • Documentation of E&O efforts. • # of E&O materials delivered. • # of people/households reached through E&O efforts. 	<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 <hr/> <p>Permit submitted</p> <hr/> <p>Approved.</p>
<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 	<p>Schedule: Year 3:</p> <ul style="list-style-type: none"> • Annual reports to TCEQ documenting progress in implementing MCMs and BMPs. • Actions of meetings documented and brazoscleanwater.org updated. • Documentation of E&O efforts. • # of E&O materials delivered. • # of people/households reached through E&O efforts. 	<ul style="list-style-type: none"> • Monitoring is occurring and levels are looking good <hr/> <p>Permit resubmitted, should be renewed soon</p> <hr/> <p>Approved.</p>

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<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 	<p>Schedule:</p> <p>Year 3:</p> <ul style="list-style-type: none"> • Annual reports to TCEQ documenting progress in implementing MCMs and BMPs. • Actions of meetings documented and brazoscleanwater.org updated. • Documentation of E&O efforts. • # of E&O materials delivered. • # of people/households reached through E&O efforts. <p>Schedule:</p> <p>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 <hr/> <p>Permit renewed in December</p> <hr/> <p>Approved.</p>

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<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 	<p>Schedule:</p> <p>Year 3:</p> <ul style="list-style-type: none"> • Annual reports to TCEQ documenting progress in implementing MCMs and BMPs. • Actions of meetings documented and brazoscleanwater.org updated. • Documentation of E&O efforts. • # of E&O materials delivered. • # of people/households reached through E&O efforts. <p>Schedule:</p> <p>All Years:</p> <p>Operate their permitted discharges in accordance with their individual permits.</p>	<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 <hr/> <ul style="list-style-type: none"> • SWMP has been implemented (revised and renewed, sent to TCEQ June 2014) • Reports are done annually and submitted to TCEQ • Construction inspection program has been established. All projects that disturb earth are inspected by EHS every two weeks • New MS4 permit approved December 2013 <hr/> <p>Approved.</p> <ul style="list-style-type: none"> • The annual meeting date was changed. • Running bud ads year-round to advertise this. • There is a working group for environmental compliance. • They are focusing on construction permits and providing education about environmental impacts.
<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 	<p>Schedule:</p> <p>Year 3:</p> <ul style="list-style-type: none"> • Annual reports to TCEQ documenting progress in implementing MCMs and BMPs. • Actions of meetings documented and brazoscleanwater.org updated. • Documentation of E&O efforts. • # of E&O materials delivered. • # of people/households reached through E&O efforts. • 	<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 <hr/> <ul style="list-style-type: none"> • There was an evidentiary file review with no findings. • The state-wide permit will be reviewed later this year.

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<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:</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 <hr/> <p>For TPDES the following comprehensive compliance investigations were completed:</p> <ul style="list-style-type: none"> -Bryan Burton Creek WWTP, WQ0010426001 (10/14/14) -City of College Station Carter Lake WWTP, WQ0013153001 (5/7/13) -Texas A&M Power Plant, WQ0004002000 (11/13/12) -Carters Creek WWTP, WQ0010024006 (5/7/14) -Glenn Oaks MHP, WQ0012296001 (5/5/15) <p>For MS4 the following reconnaissance investigations were completed:</p> <ul style="list-style-type: none"> -City of College Station MS4, TXR040008 (11/8/13) -City of Bryan MS4, TXR040336 (11/8/13) -Texas A&M University MS4, TXR040237 (11/8/13)
<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:</p> <p>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 Records showed compliance <hr/> <p>No new information.</p>