

11A

Agenda Item # 11 A 2 & 3

Option A

The following plans were reviewed to develop the In-house MS4 Plan:
Federal/state models; Cities of Pharr, Edinburg, McAllen, Grand Prairie, and Dallas;
Cameron County, Tarrant County, El Paso County, Brazos County, Bexar County, Dallas County
and New York State.

Benefits

- Less Expensive
- Specifically reflects Hidalgo County current activities, such as precinct and departmental responsibilities
- Hidalgo can maintain control and accountability for each activity and performance measure, including submitting the annual report
- Plan has already been developed
- Plan has been reviewed by TCEQ local Compliance Officer and verbally accepted
- Planning Director (licensed engineer) has agreed that all components can be implemented within the County
- Drainage Director has agreed to serve as an in-kind partner

Option B

Benefits

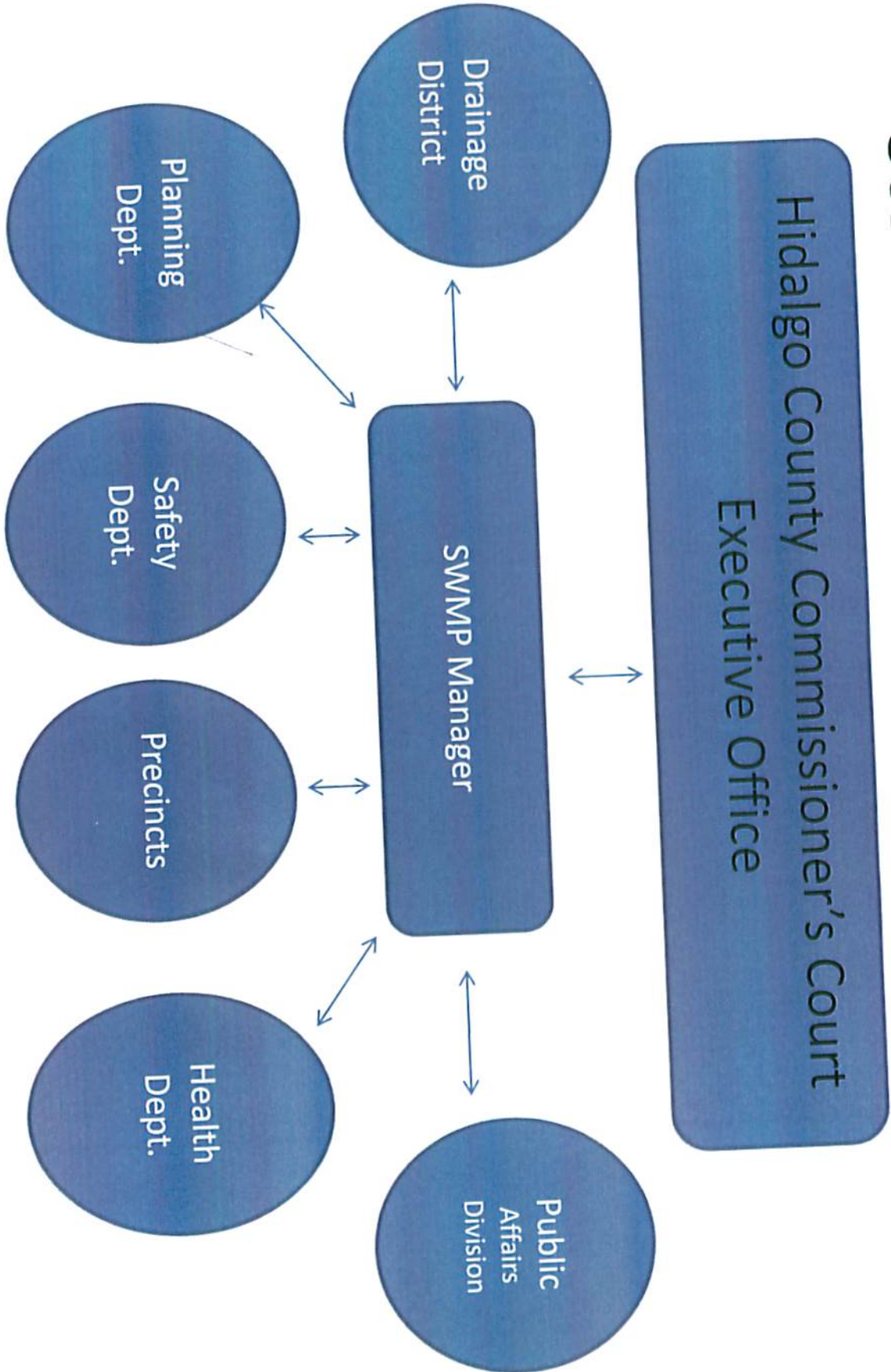
- Plan is already approved by TCEQ
- Partnership with Drainage District and one local city is included in the plan
- Beginning the third year of operation

Statutory EPA and TCEQ Requirement

The MS4 Plan must include goals and activities that reflect the following:

CATEGORY	ACTIVITY
1. Public Education/Outreach	Flyers/Advertisements
2. Public Involvement/Participation	Public Hearings
3. Illicit Discharge, Detection and Elimination	Visual Observation/Inspection of Drainage Ditches, Tires, Land Fills, Septic Tank Permit Procedures/Inspection
4. Construction Site Storm Water Runoff Control	Debris Removal, Road and Bridge Repair/Construction, Repair/Construction of buildings
5. Post-construction Management in New Development and Redevelopment	Debris Removal/Regulated Septic Tank Installation, Drainage Systems (grey water/black water)
6. Pollution Prevention/Good Housekeeping	Fleet Maintenance (oil changes, oil filters, vehicle washing, Transmission fluid, gasoline/diesel, Park Maintenance, Parking Lots

Storm Water Management Chart



Hidalgo County Storm Water Management Plan/Implementation Schedule

		Year 3	Year 4	Year 5
4.1 Public Education and Outreach on Storm Water Quality Issues				
Best Management Practice (BMP)	Entity			
<i>BMP 4.1.1</i> <i>Hidalgo County Storm Water Logo and Slogan Campaign</i>	H	In conjunction with the Hidalgo County Public Affairs Division, a public awareness logo and slogan will be created to maintain recognition of the county participation and dedicated to reduce storm water waste		
4.1.1 (a) Design and create a logo and slogan for Hidalgo County Storm Water Waste Campaign .	H	X		
4.1.1 (b) Incorporate Hidalgo County 's logo and slogan to all educational and promotional item relating to storm water waste management plan.	H		X	
4.1.1 (c) Distribute promotional and educational items relating to storm water waste management plan.	H			X
<i>BMP 4.1.2</i> <i>Hidalgo County Storm Water Quality Website</i>	H	In conjunction with the Hidalgo County Public Affairs Division, the county will designate a portion of the county website (www.co.hidalgo.tx.us) to introduce and describe the storm water management plan. The section will include storm water education in general per the TCEQ general permit guidelines. The website will also provide specific information regarding the SWMP, educational and interactive opportunities, and links to other local, state, and national storm water websites.		
4.1.2 (a) Design the storm water waste section on the county website	H	X		
4.1.2(b) Website up and running.	H		X	X
4.1.2(c) Website revised and maintained	H			X
4.1.2 (d) Incorporate public feedback.	H			X
<i>BMP 4.1.3</i> <i>Storm Water Education Promotional Program</i>	H	Promote and market storm water education and awareness by developing low-cost promotional giveaways: bumper stickers, key chains, magnets etc...Promotional items will include the Hidalgo County storm water management plan's logo or slogan as mention in BMP 4.1.1		
4.1.3(a) Develop list of promotional items /events	H	X		
4.1.3 (b) Design promotional giveaways.	H	X		
4.1.3 (c) Produce promotional giveaways.	H		X	X
4.1.3 (d) Distribute promotional giveaways.	H			X

H: Hidalgo County

D: Drainage District

O: Other MS4 partners

Hidalgo County Storm Water Management Plan/Implementation Schedule				
		Year 3	Year 4	Year 5
4.1 Public Education and Outreach on Storm Water Quality Issues				
Best Management Practice (BMP)	Entity			
BMP 4.1.4 <i>Property Tax Bill Insert and Educational Flyer</i>	H	Prepare and distribute bilingual educational flyers, one page property tax bill and notification insert carrying a to-the-point message regarding the do's and don't of storm water pollution. All flyers will include either the Hidalgo County storm water management plan's logo or slogan as referenced in BMP 4.1.1		
4.1.4(a) Design inserts/flyers	H	X		
4.1.4 (b) Produce inserts/flyers	H		X	
4.1.4 (c) Distribute inserts/flyers	H			X
BMP 4.1.5 <i>Signage</i>	H	Prepare and distribute a public awareness sign concerning the storm water pollution. All signs will include either the Hidalgo County storm water management plan's logo or slogan as referred in BMP 4.1.1		
4.1.5(a) Identify types of signs that would be used.	H	X		
4.1.5 (b) Identify location for signs and create partnerships with location to acquire permission to post signs.	H		X	
4.1.5(c) Distribute signs at location identified by 4.1.5 (b)	H			X
BMP 4.1.6 <i>Water Pollution Hotline</i>	H, D	Develop and monitor hotline for the purposes of: creating awareness; instructing the public, answering FAQ's; identifying pertinent EPA and other storm water pollution websites; providing an avenue for reporting illicit discharge and dumping; and presenting overview of SWMP.		
4.1.6 (a) Identify the persons responsible for maintaining hotline and answering questions.	H, D	X		
4.1.6 (b) Train staff to answer questions and inform.	H, D	X		
4.1.6 (c) Begin operation of hotline.	H, D	X		
4.1.6 (d) Incorporate hotline number on all promotional items and educational materials.	H, D		X	X
4.1.6 (e) Advertise the hotline annually by placing an ad in local newspapers once a year and maintain.	H, D		X	X
4.1.6 (f) Report the number of calls, types of concerns and other issues of important matters to Commissioner's Court on an annual basis.	H,D		X	X
4.1.6 (g) Prepare report regarding the number of calls, types of concerns and other issues of important matters to Commissioner's Court and TCEQ as needed.	H,D		X	X
H: Hidalgo County D: Drainage District O: Other MS4 partners				

Hidalgo County Storm Water Management Plan/Implementation Schedule				
		Year 3	Year 4	Year 5
4.1 Public Education and Outreach on Storm Water Quality Issues				
Best Management Practice (BMP)	Entity			
BMP 4.1.7(A-H) <i>Educational Program for Civic Groups, Real Estate Organizations, Businesses, Commercial and Industrial Facilities, and Construction Site Personnel</i>	H,D,O	Develop and enter into partnership with other MS4s within Hidalgo County for providing educational materials to civic groups, real estate organizations, businesses, commercial and industrial facilities, and construction site owners / operators within Hidalgo County.		
4.1.7 (a) Research activities contributing pollutants.	H,D,O	X		
4.1.7 (b) Determine availability of existing public education materials.	H,D,O	X		
4.1.7 (c) Develop partnerships with other MS4s.	H,D,O	X		
4.1.7 (d) Acquire and/or develop training material.	H,D,O		X	X
4.1.7 (e) Update educational material	H,D,O			X
4.1.7 (f) Send personalized letters to operators of facilities within county jurisdiction once a year, incorporating educational flyers and brochures.	H,D,O			X
4.1.7 (g) Establish an e-mail distribution group to facilitate communication on storm water related issues.	H,D,O			X
4.1.7 (h) Distribute educational material and solicit public feedback once per year.	H,D,O			X
BMP 4.1.7 (I-K) <i>Educational Storm water Documentary and Brochure</i>	H,D	Acquire the EPA's free brochure and half hour storm water documentary "After the Storm" which focuses on the effects of polluted storm water runoff. Make the documentary available to schools (K-12) and non-governmental organizations in order to highlight the problems storm water runoff poses to quality of local water within the area.		
4.1.7(i) Acquire the brochure and secure permission to duplicate and distribute.	H	X		
4.1.7(j) Present the brochure and documentary in consort with promotional giveaways and focus on website.	H		X	
4.1.7 (k) Make materials available to visitors at county offices, libraries, museums, county offices and schools.	H,D,O			X
BMP 4.1.8 <i>Training for County Elected Officials</i>	H	Provide education to Officials on general storm water topics in accordance with TCEQ educational guidelines and relating to the SWMP with a focus on		
4.1.8 (a) Prepare and provide educational material similar to that provided to employees.	H	X		
4.1.8(b) Provide SWMP status reports to commissioner court once a year.	H		X	X
4.1.8 (c) Seek / incorporate official feedback on promotion and awareness of storm water pollution and the results perceived.	H		X	
H: Hidalgo County D: Drainage District O: Other MS4 partners				

Hidalgo County Storm Water Management Plan/Implementation Schedule

		Year 3	Year 4	Year 5
4.2. Public Participation / Involvement				
Best Management Practice (BMP)	Entity	BMP Description		
<i>BMP 4.2.1 Public Meetings</i>	H	Allow citizens opportunity to discuss various viewpoints and provide input concerning MS4's SWMP policies and BMP's.		
4.2.1 (a) Schedule one public meeting each year to be held in Commissioner's Court.	H	X		
4.2.1(b) Prepare notices, agendas, coordinate, and conduct one public meeting per year to assess progress of program.	H	X		
4.2.1 (c) Prepare final minutes, incorporate public comment.	H	X		
<i>BMP 4.2.2 Water Pollution Hotline</i>	H	In conjunction with BMP 4.1.6, monitor the water pollution community hotline: creating awareness; instructing the public and answering frequently asked questions regarding water quality and water pollution problems; and to obtain information related to illicit discharges and illegal dumping.		
4.2.2 (a) Monitor public input, and prepare report regarding number of calls, requests for information, suggestions, and reported information.	H		X	X

H: Hidalgo County D: Drainage District O: Other MS4 partners

Hidalgo County Storm Water Management Plan/Implementation Schedule				
		Year 3	Year 4	Year 5
4.3 Illicit Discharge Detection and Elimination				
Best Management Practice (BMP)	Entity	BMP Description		
BMP 4.3.1 Illicit Discharge Monitoring Program	H, D	Establish a program to identify and remove illicit discharges.		
4.3.1 (a) Develop a list of detection techniques needed for illicit discharge monitoring program.	H, D	X		
4.3.1(b) Develop policy procedures needed for illicit discharge monitoring program	H,D	X		
4.3.1 (c) Evaluate existing policies and modify as needed to be in compliance with TCEQ regulations and procedures specified in 4.3.1(b)	H,D		X	
4.3.1 (d) Develop outreach program specifically for this BMP.	H,D	X		
4.3.1 (e) Work with partnerships to develop a list of non-storm water discharges that will not be considered illicit.	H,D		X	
4.3.1 (f) Implement visual inspection techniques.	H,D			X
4.3.1 (g) Perform visual inspection and monitor 25%-50% of targeted outfalls with dry weather.	H,D		X	
4.3.1 (h) Perform quarterly visual inspections and monitor 51%-100% of targeted outfalls with dry weather.	H,D			X
4.3.1(i) Coordinate and monitor removals of illicit connections detected.	H,D		X	X
4.3.1 (j) Track storm drain system maintenance. Develop feedback mechanism.	H,D			X
4.3.1 (k) Document and maintain records of the number of: outfalls monitored, illegal discharges detected, illegal discharges eliminated, and complaints received and addressed.	H,D		X	X
BMP 4.3.2 Storm Drain System Map	D	Develop a comprehensive map of the MS4's storm drain system.		
4.3.2(a) Verify outfall locations to / from MS4. .	D	X	X	X
4.3.2(b) Coordinate mapping with other MS4s directly out falling to HCDD1 MS4.	D	X	X	X
4.3.2 (c) Incorporate names of system laterals and locations of the Waters of the U.S.	D	X	X	X
4.3.2 (d) Identify source information.	D	X	X	X
4.3.2 (e) Update system maps to identify new developments or redevelopments.	D	X	X	X
4.3.2 (f) Document coordinating activities with other MS4s, updates, and the methods used to update the drainage system maps.	H,D,O	X	X	X

H: Hidalgo County D: Drainage District O: Other MS4 partners

Hidalgo County Storm Water Management Plan/Implementation Schedule

		Year 3	Year 4	Year 5
4.3 Illicit Discharge Detection and Elimination				
Best Management Practice (BMP)	Entity	BMP Description		
<i>BMP 4.3.3 Water Pollution Hotline</i>	H,D	In conjunction with BMP 4.1.6 and BMP 4.2.2, monitor the water pollution community hotline: creating awareness; instructing the public and answering frequently asked questions regarding water quality and water pollution problems; and to obtain information related to illicit discharges and illegal dumping.		
4.3.3 (a) Prepare report regarding number of calls, and reported information regarding illicit discharges and illegal dumping.	H,D	X	X	X

H: Hidalgo County
D: Drainage District
O: Other MS4 partners

Hidalgo County Storm Water Management Plan/Implementation Schedule

		Year 3	Year 4	Year 5
4.4 Construction Site Storm Water Run-off Control				
Best Management Practice (BMP)	Entity	BMP Description		
BMP 4.4.1 Construction Site Monitoring Program	H, D	Develop and maintain a program, including controlling procedures to reduce pollutants in storm water runoff from construction activities that result in a land disturbance of once acre or more.		
4.4.1 (a) Develop regulatory mechanism to address storm water runoff control at construction sites, one acre or greater.	H, D	X		
4.4.1(b) Review existing construction plan review process to include SWMP3 requirements.	H,D		X	
4.4.1(c) Develop a public awareness program specifically for this BMP.	H,D	X		
4.4.1 (d) Develop procedures for receipt and consideration of input from the public.	H,D	X		
4.4.1 (e) Develop procedures for site inspections.	H,D	X		
4.4.1 (f) Update SWMP through NOC to include description of the Program.	H		X	
4.4.1 (g) Implement procedures for visual site inspections.	H,D			X
4.4.1 (h) Perform visual inspections and monitor erosion and sediment control BMPs and construction site waste controls for 25%-50% targeted construction sites.	H,D		X	
4.4.1 (i) Perform inspections and monitor erosion and sediment control BMPs and construction site waste controls for 51%-100% targeted construction sites.	H,D			X
4.4.1 (j) Document and maintain records of the contractor submittals, site inspections, and compliance. If needed, necessary steps will be taken to notify TCEQ for proper enforcement.	H, D			X
4.4.1 (k) Maintain and update the program as required.	H,D			X
4.4.1 (l) Review the overall effectiveness of the ESC program considering quantifiable improvements in water quality, clarity, and reductions in sedimentation in local bodies	H,D			X

H: Hidalgo County	D: Drainage District	O: Other MS4 partners
-------------------	----------------------	-----------------------

Hidalgo County Storm Water Management Plan/Implementation Schedule

		Year 3	Year 4	Year 5
4.5 Post-Construction Storm Water Management (New Development/Re-development)				
Best Management Practice (BMP)	Entity	BMP Description		
BMP 4.5.1 <i>Develop Regional Drainage Plan for Storm Water Controls</i>	D	Develop and maintain an erosion and sediment control (ESC) program - post construction, including controlling procedures to reduce pollutants in storm water runoff.		
4.5.1 (a) Gather and review existing drainage policies, update existing policies, and/or develop a new policies.	D	X	X	
4.5.1(b) Identify storm water controls effective for particular watersheds within a regional plan.	D	X	X	
4.5.1 (c) Develop Regional Drainage Plan to incorporate effective storm water controls.	D		X	
4.5.1 (d) Implement Regional Drainage Plan for Storm Water Controls.	D			X
BMP 4.5.2 <i>Post-Construction Storm Water Control Program</i>	H,D	Develop and maintain an erosion and sediment control (ESC) program - post construction, including controlling ordinances to reduce pollutants in storm water runoff.		
4.5.2 (a) Review policy and procedures for structural post construction BMPs. This BMP will address post construction BMPs.	H	X		
4.5.2 (b) Develop list of post-construction structural and non-structural BMPs appropriate for the county.	H	X		
4.5.2 (c) Develop procedures for site inspection to ensure controls are in place to address runoff.	H, D	X		
4.5.2 (d) Implement procedures for visual site inspection to ensure controls are in place to address runoff.	H, D		X	X
4.5.2 (e) Update SWMP through NOC to include description of the Post-Construction Storm Water Control Program.	H			X
4.5.2 (f) Maintain and update the program as required.	H			X
4.5.2 (g) Document and maintain records of site inspections, compliance and enforcement.	H			X

H: Hidalgo County	D: Drainage District	O: Other MS4 partners
-------------------	----------------------	-----------------------

Hidalgo County Storm Water Management Plan/Implementation Schedule

Hidalgo County Storm Water Management Plan/Implementation Schedule				
		Year 1	Year 2	Year 3
4.6 Pollution Prevention / Good Housekeeping for Operations				
Best Management Practice (BMP)	Entity	BMP Description		
BMP 4.6.1 Operation and Maintenance Program	H	Develop and implement an operation, maintenance, and good-housekeeping program to reduce pollutant runoff.		
4.6.1 (a) Identify housekeeping measures and BMPs that will reduce pollutants for County operations and industrial activities for various locations.	H	X		
4.6.1 (b) Incorporate housekeeping measures into County operations and BMPs that will reduce pollutants and industrial activities at various locations.	H		X	
4.6.1 (c) Develop and implement Operation and Maintenance Program procedures for all precincts and specific departments.	H			X
4.6.1 (d) Develop a maintenance program for structural BMPs identifying schedules for inspections and routine maintenance. Clean any system errors in response to reporting.	H			X
4.6.1 (e) Develop procedures for recording keeping and inspection for maintenance program.	H		X	
4.6.1 (f) Implement program for maintenance and routine visual inspections.	H			X
4.6.1 (g) Update SWMP through NOC to include description of the Operation and Maintenance Program.	H	X		
BMP 4.6.2 County Employee MS4 Training Program	H	Identify and provide education opportunities for county employees on general storm water topics in accordance with TCEQ educational guidelines and relating to the SWMP.		
4.6.2(a) Identify current county employee training initiatives that can provide education on preventing or reducing pollutant runoff from County operations.	H	X		
4.6.2(b) Develop a county employee training program that reflects the ultimate goal of preventing or reducing pollutant runoff from County operations.			X	
4.6.2 (c) Develop and/or acquire training materials.	H		H	
H: Hidalgo County D: Drainage District O: Other MS4 partners				

Hidalgo County Storm Water Management Plan/Implementation Schedule

		Year 1	Year 2	Year 3
4.6 Pollution Prevention / Good Housekeeping for Operations				
Best Management Practice (BMP)	Entity	BMP Description		
including existing field operation employees and new hires. New hires will be trained at new employee orientation. 20% of existing employees will be trained each subsequent year.	H			X
4.6.2 (e) Seek and incorporate feedback regarding County Employee MS4 Training Program.				
4.6.2 (f) Document and maintain records and documents of all activities under Employee MS4 Training Program.	H			X
H: Hidalgo County D: Drainage District O: Other MS4 partners				

BMP 4.6.3 <i>Fleet vehicle maintenance and fueling</i>		Assess, update, and implement procedures for fleet vehicle maintenance and fueling.		
4.6.3 (a) Assess procedures for vehicle maintenance work such as fluid changes.	H	X		
4.6.3(b) Monitor vehicles for leaks and immediately fix any leaks found. Place pans under leaks to collect the fluids for proper disposal or recycling.	H		X	
4.6.3 (c) Prohibit the pouring of waste down floor drains, sinks, or outdoor storm drain inlets	H			X
4.6.3 (d) Train personnel who refuel vehicles to inspect and report spills or overflows and leaks or spills during pumping of liquids.	H	X	X	X
4.6.3 (e) Develop county's preventative maintenance schedule to include inspection for loose fittings, poor welds, improper or poorly fitted gaskets, tank foundations, connections, coatings, tank walls, and piping systems.	H		X	X
4.6.3 (f) Implement county's preventative maintenance schedule to include visual inspection for loose fittings, poor welds, improper or poorly fitted gaskets, tank foundations, connections, coatings, tank walls, and piping systems.	H			X

H: Hidalgo County D: Drainage District O: Other MS4 partners

Hidalgo County Storm Water Management Plan/Implementation Schedule

		Year 1	Year 2	Year 3
4.6 Pollution Prevention / Good Housekeeping for Operations				
Best Management Practice (BMP)	Entity	BMP Description		
BMP 4.6.4 Recycling Used Oil	H	Assess, update, and implement procedures for recycling used oil.		
4.6.4 (a) Evaluate current procedures for recycling used oil.	H	X		
4.6.4 (b) Develop appropriate procedures for recycling used oil as per local, state, and federal regulations.	H		X	
4.6.4 (c) Implement procedures for proper collection and disposal methods for recycling used oil.	H			X
4.6.4(d) Train personnel in the proper collection and disposal methods of used oil and oil filters.	H			X
BMP 4.6.5 Park Maintenance	H	Assess, update, and implement trash collection and disposal in County parks that affect storm water.		
4.6.5 (a) Determine where trash cans are placed throughout the County to ensure appropriate use .	H	X		
4.6.5 (b) Place trash cans at strategic locations throughout the County to encourage the use of trash cans and reduce the possibility of trash placed on the ground and potentially into the storm water drains.	H		X	X
BMP 4.6.6 Waste Materials Management				
4.6.6 (a) Review County's Process for Issuing Permits for Septic Tanks	H	X		
4.6.6 (b) Update County's Process for Issuing Permits for Septic Tanks as it relates to local, state, and federal regulations	H		X	X
H: Hidalgo County D: Drainage District O: Other MS4 partners				

DRAINAGE DISTRICT

Storm Water Management Plan / Implementation Schedule

		Year 1	Year 2	Year 3	Year 4	Year 5
7.1 Public Education and Outreach on Storm Water Quality Issues						
BMP	Type of Effort	BMP Description				
BMP 7.1.1 <i>Hidalgo County Storm Water Quality Partners Website</i>	S	Develop a storm water website. The website will include storm water education in general per the TCEQ general permit guidelines. The website will also provide specific information regarding the SWMP, educational and interactive opportunities, and links to other local, state, and national storm water websites.				
7.1.1(a) Begin designing and building the website.	S	X				
7.1.1(b) Website up and running.	S	X	X			
7.1.1(c) Website revised and maintained as needed.	S	X	X	X	X	X
7.1.1(d) Incorporate public feedback.	S	X	X	X	X	X
BMP 7.1.2 <i>Storm Water Education Promotional Program</i>	S	Promote and market storm water education and awareness by developing low-cost promotional giveaways: bumper stickers, key chains, magnets, and frisbees.				
7.1.2(a) Design / create a logo.	S	X				
7.1.2(b) Develop list of promotional items / events.	S	X				
7.1.2(c) Develop schedule and funding availability.	S	X				
7.1.2(d) Design promotional giveaways.	S	X	X			
7.1.2(e) Produce promotional giveaways.	S	X	X	X	X	X
7.1.2(f) Distribute promotional giveaways.	S		X	X	X	X
BMP 7.1.3 <i>Utility Bill Insert and Educational Flyer</i>	C	Prepare and distribute bilingual educational flyers, one page utility bill and notification insert carrying a to-the-point message regarding the do's and don'ts of storm water pollution.				
7.1.3(a) Develop list of subjects.	S	X				
7.1.3(b) Develop schedule / funding availability.	S	X				
7.1.3(c) Design inserts / flyers.	S	X	X	X		
7.1.3(d) Produce inserts / flyers.	S		X		X	
7.1.3(e) Distribute inserts / flyers.	I, S		X		X	
BMP 7.1.4 <i>Water Pollution Hotline</i>	S	Develop hotline for the purposes of: creating awareness; instructing the public, answering FAQs; identifying pertinent EPA and other storm water pollution websites; providing an avenue for reporting illicit discharge; and presenting overview of SWMP.				
7.1.4(a) Identify the persons responsible for maintaining hotline and answering questions.	S	X				
7.1.4(b) Interview contractors who operate hotlines.	S	X				
7.1.4(c) Train staff to answer questions and inform.	S		X			
7.1.4(d) Incorporate hotline number in materials.	S		X			
7.1.4(e) Begin operation of hotline.	S		X			
7.1.4(f) Advertise the hotline by placing an ad in local newspapers once a year.	S		X	X	X	X
7.1.4(g) Maintain hotline; monitor number of calls.	S		X	X	X	X

Bo

Bo

Storm Water Management Plan / Implementation Schedule

		Year 1	Year 2	Year 3	Year 4	Year 5
BMP 7.1.5(A) <i>Educational Program for Civic Groups, Real Estate Organizations, Businesses, Commercial and Industrial Facilities, and Construction Site Personnel</i>	C	Develop and enter into partnership with other MS4s within Hidalgo County for providing educational materials to civic groups, real estate organizations, businesses, commercial and industrial facilities, and construction site owners/ operators within Hidalgo County.				
7.1.5(a) Resarch activities contributing pollutants.	S	X				
7.1.5(b) Determine availability of existing public education materials.	S	X	X	X	X	X
7.1.5(c) Develop partnerships with other MS4s.	S	X	X	X	X	X
7.1.5(d) Identify funding availability and prepare schedule of education program.	S	X	X	X	X	
7.1.5(e) Acquire and/or develop material.	S		X	X	X	
7.1.5(f) Update educational material.	S		X	X	X	
7.1.5(g) Send personalized letters to operators of facilities within MS4 once a year, incorporating educational flyers and brochures.	I, S		X	X	X	X
7.1.5(h) Establish an e-mail distribution group to facilitate communication on storm water related issues.	S		X	X	X	X
7.1.5(i) Distribute educational material and solicit feedback once per year.	I, S		X	X	X	X
BMP 7.1.5 (B) <i>Educational Stormwater Documentary and Brochure</i>	C	Acquire the EPA's free brochure and half hour storm water documentary "After the Storm" which focuses on the effects of polluted storm water runoff. Present the documentary on a local television channel and make available to schools (K-12) and non-governmental orgaizations in order to highlight the problems storm water runoff poses to the quality of local water.				
7.1.5(j) Acquire the brochure and secure permission to duplicate and distribute.	I, S	X	X			
7.1.5(k) Present the brochure and documentary in consort with promotional giveaways and focus on website.	I, S		X			
7.1.5(l) Make materials available to visitors at tourist offices, libraries, museums.	I, S		X	X	X	X
BMP 7.1.6 (A) <i>MS4 City and County Employee Education</i>	C	Identify and provide education opportunities for employees of the MS4 on general storm water topics in accodance with TCEQ educational guidelines and relating to the SWMP.				
7.1.6(a) Develop list of training subjects and/or needs.	S	X	X	X	X	X
7.1.6(b) Develop or acquire training materials.	I, S	X	X	X	X	X
7.1.6(c) Identify funding availability and develop schedule of training.	I, S	X		X		
7.1.6(d) Conduct training.	I, S		X	X	X	X
7.1.6(e) Seek and incorporate feedback regarding training materials.	I, S		X	X	X	X

Storm Water Management Plan / Implementation Schedule

		Year 1	Year 2	Year 3	Year 4	Year 5
BMP 7.1.6 (B) <i>Education for MS4 City and County Officials</i>	C	Provide education to officials on general storm water topics in accordance with TCEQ educational guidelines and relating to the SWMP with a focus on fostering awareness of storm water pollution and prevention and status of SWMP.				
7.1.6(f) Prepare and provide educational material similar to that provided to employees.	I, S		X		X	
7.1.6(g) Provide SWMP status reports to officials once a year.	I, S	X	X	X	X	X
7.1.6(h) Seek / incorporate official feedback on promotion and awareness of storm water pollution and the results perceived.	I, S		X	X	X	X

Storm Water Management Plan / Implementation Schedule

		Year 1	Year 2	Year 3	Year 4	Year 5
7.2.1 Public Participation / Involvement						
BMP	Type of Effort	BMP Description				
BMP 7.2.1 <i>Public Meetings</i>	S	Allow citizens opportunity to discuss various viewpoints and provide input concerning the MS4's SWMP policies and BMP's.				
7.2.1(a) Prepare schedule of 2 initial public meetings for first year.	S	X				
7.2.1(b) Prepare notices, agendas, coordinate, and conduct public meetings.	S	X				
7.2.1(c) Prepare final minutes, incorporate public comment.	S	X				
7.2.1(f) Prepare notices, agendas, coordinate, and conduct one public meeting per year to assess progress of program.	S		X	X	X	X
BMP 7.2.2 <i>Citizen's Advisory Committee</i>	S	Form a citizen's advisory committee to solicit input on the MS4's SWMP.				
7.2.2(a) Form a committee representing the participating MS4s within Hidalgo County.	S	X				
7.2.2(b) Prepare notices, agendas, coordinate, and conduct two committee meetings.	S	X				
7.2.2(c) Conduct a minimum of one committee meeting per year.	S		X	X	X	X
BMP 7.2.3 <i>Water Pollution Hotline</i>	S	In conjunction with BMP 7.1.4, monitor the water pollution community hotline: creating awareness; instructing the public and answering frequently asked questions regarding water quality and water pollution problems; and to obtain information related to illicit discharges and illegal dumping.				
7.2.3 Monitor public input, and prepare report regarding number of calls, requests for information, suggestions, and reported information.	S	X	X	X	X	X

Storm Water Management Plan / Implementation Schedule

		Year 1	Year 2	Year 3	Year 4	Year 5
7.3 Illicit Discharge Detection and Elimination						
BMP	Type of Effort	BMP Description				
BMP 7.3.1 Illicit Discharge Monitoring Program	C	Establish a program to identify and remove illicit discharges.				
7.3.1(a) Develop a list of detection techniques. ✓	S	X	X			
7.3.1(b) Develop actions and enforcement procedures.	I, S	X	X			
7.3.1(c) Develop ordinance or other regulatory mechanism to prohibit / eliminate illicit discharges. ✓	I, S		X			
7.3.1(d) Develop list of non-storm water discharges that will not be considered illicit.	S	X	X			
7.3.1(e) Update the SWMP through NOC to include initial description of Program. <i>In progress</i>	S		X			
7.3.1(f) Implement detection techniques.	I, S		X			
7.3.1(g) Perform inspection and monitor 25% - 50% of targeted outfalls with dry weather flows. <i>Not yet</i>			X	X		
7.3.1(h) Perform quarterly inspections and monitor 51% - 100% of targeted outfalls with dry weather. <i>Not yet</i>					X	X
7.3.1(i) Coordinate / monitor removals of illicit connections detected. <i>Not yet</i>	I, S		X	X	X	X
7.3.1(j) Track storm drain system maintenance. <i>Not yet</i>	I, S	X	X	X	X	X
7.3.1(k) Document and maintain records of the number of: outfalls monitored, illegal discharges detected, illegal discharges eliminated, and complaints received and addressed. <i>After implementation & inspection</i>	I, S		X	X	X	X
BMP 7.3.2 Storm Drain System Map	C	Develop a comprehensive map of the MS4's storm drain system.				
7.3.2(a) Field verify outfall locations to / frm MS4.	I, S	X	X	X	X	X
7.3.2(b) Coordinate mapping with other MS4s directly outfalling to HCDD1 MS4.	S	X	X	X	X	X
7.3.2(c) Incorporate names of system laterals and locations of the Waters of the US.	I, S	X	X	X	X	X
7.3.2(d) Identify source information.	I, S	X	X	X	X	X
7.3.2(e) Update system maps to identify new developments or redevelopments.	I, S	X	X	X	X	X
7.3.2(f) Document coordinating activities with other MS4s, updates, and the methods used to update the drainage system maps.	S	X	X	X	X	X
BMP 7.3.3 Water Pollution Hotline	S	In conjunction with BMP 7.1.4 and BMP 7.2.3, monitor the water pollution community hotline: creating awareness; instructing the public and answering frequently asked questions regarding water quality and water pollution problems; and to obtain information related to illicit discharges and illegal dumping.				
7.3.3 Prepare report regarding number of calls, and reported information regarding illicit discharges and illegal dumping.	S	X	X	X	X	X

★
 HC
 see
 see
 3
 3

Gabriel

Bo

Storm Water Management Plan / Implementation Schedule

		Year 1	Year 2	Year 3	Year 4	Year 5
7.4 Construction Site Storm Water Runoff Control						
BMP	Type of Effort	BMP Description				
BMP 7.4.1 Construction Site Monitoring Program	C	Develop and maintain a program, including controlling ordinances to reduce pollutants in storm water runoff from construction activities that result in a land disturbance of one acre or more.				
* 7.4.1(a) Develop ordinance or other regulatory mechanism to address storm water runoff control at construction sites, one acre or greater.	I, S	X	X			
7.4.1(b) Develop procedures for site plan review to consider water quality impacts.	S	X	X			
7.4.1(c) Develop procedures for receipt and consideration of input from the public.	S		X			
* 7.4.1(d) Develop procedures for site inspection and enforcement of control measures.	S	X	X			
7.4.1(e) Update SWMP through NOC to include description of the Program.	S		X			
7.4.1(f) Implement procedures for site plan review.	I, S		X			
7.4.1(g) Perform inspections and monitor erosion and sediment control BMPs and construction site waste controls for 25% ~ 50% targeted construction sites.	S		X	X		
7.4.1(h) Perform inspections and monitor erosion and sediment control BMPs and construction site waste controls for 51% ~ 100% targeted construction sites.	S				X	X
7.4.1(i) Document and maintain records of the contractor submittals, site inspections, compliance and enforcement.	I, S		X	X	X	X
7.4.1(j) Maintain and update the program, as required.	S		X	X	X	X
7.4.1(k) Review the overall effectiveness of the ESC program considering quantifiable improvement in water quality (clarity and reduced sedimentation); document improvements in water quality, clarity, and reductions in sedimentation in local water bodies.	S			X	X	X
BMP 7.4.2 Water Pollution Hotline		In conjunction with BMP 7.1.4, BMP 7.2.3, and BMP 7.3.3 monitor the water pollution community hotline: creating awareness; instructing the public and answering frequently asked questions regarding water quality and water pollution problems; and to obtain information related to illicit discharges and illegal dumping.				
7.4.2 Prepare report regarding number of calls, and reported information regarding erosion control and construction activity water pollution complaints and/or suggestions.			X	X	X	X

Low
No
Byon

Storm Water Management Plan / Implementation Schedule

		Year 1	Year 2	Year 3	Year 4	Year 5
7.5 Post-Construction Storm Water Management (New Development/Re-development)						
BMP	Type of Effort	BMP Description				
BMP 7.5.1 <i>Develop Regional Drainage Plan for Storm Water Controls</i>	S	Develop and maintain an erosion and sediment control (ESC) program - post construction, including controlling ordinances to reduce pollutants in storm water runoff.				
7.5.1(a) Gather and review existing drainage plans.	S	X	X			
7.5.1(b) Identify storm water controls effective for particular watersheds within a regional plan.	S	X	X			
7.5.1(c) Develop Regional Drainage Plan to incorporate effective storm water controls.	S		X			
7.5.1(d) Implement Regional Drainage Plan for Storm Water Controls.	S			X	X	X
7.5.1(e) Maintain / update program, as required.	S			X	X	X
BMP 7.5.2 <i>Post-Construction Storm Water Control Program</i>	C	Develop and maintain an erosion and sediment control (ESC) program - post construction, including controlling ordinances to reduce pollutants in storm water runoff.				
7.5.2(a) Develop, to the extent allowable under state and local law, an ordinance or other regulatory mechanism to regulate discharges from new development and redevelopment projects.	I, S		X			
7.5.2(b) Develop list of post-construction structural and non-structural BMPs appropriate for the community.	S	X				
7.5.2(c) Develop / implement procedures for site inspection to ensure controls are in place to address runoff.	I, S		X	X		
7.5.2(d) Develop / implement procedures for long-term site inspections or certifications to ensure operation and maintenance of BMPs is addressed.	I, S				X	X
7.5.2(e) Develop guidance document for developers to utilize.	S		X	X	X	X
7.5.2(f) Update SWMP through NOC to include description of the Post-Construction Storm Water Control Program.	S			X		
7.5.2(g) Maintain and update the program, as required.	S		X	X	X	X
7.5.2(h) Document and maintain records of site inspections, compliance and enforcement.	I, S		X	X	X	X
7.5.2(i) Review the overall effectiveness of the ESC - post construction program considering quantifiable improvement in water quality (clarity and reduced sedimentation); document improvements in water quality, clarity, and reductions in sedimentation in local water bodies.	S			X	X	X

Jose

M. Ryan

Storm Water Management Plan / Implementation Schedule

		Year 1	Year 2	Year 3	Year 4	Year 5
7.0 Pollution Prevention / Good Housekeeping for Municipal Operations						
BMP	Type of Effort	BMP Description				
BMP 7.6.1 <i>Operation and Maintenance Program</i>	C	Develop and implement an operation, maintenance, and good-housekeeping program to reduce pollutant runoff.				
7.6.1(a) Identify and list all municipal operations and industrial activities and locations.	I, S	X				
7.6.1(b) Identify housekeeping measures and BMPs that will reduce pollutants for each municipal operations and industrial activities for each location.	I, S	X	X			
7.6.1(c) Develop an employee training program.	S	X				
7.6.1(d) (4) Develop maintenance program for structural BMPs identifying schedules for maintenance and long-term inspection procedures.	S	X	X	X	X	X
7.6.1(e) Develop procedures for waste disposal for dredge spoil, accumulated sediment, and floatables.	S		X	X	X	X
7.6.1(f) Update SWMP through NOC to include description of the Operation and Maintenance Program.	S		X	X	X	X
7.6.1(g) (7) Implement Operation and Maintenance Program.	I, S		X	X	X	X
7.6.1(h) (8) Document and maintain records of Operation and Maintenance Program.	I, S		X	X	X	X

Ryan

**AN ORDER OF THE BEXAR COUNTY COMMISSIONERS
COURT ASSESSING REASONABLE FEES TO FUND THE
STORMWATER POLLUTION PREVENTION PROGRAM**

STATE OF TEXAS

§

§

COUNTY OF BEXAR

§

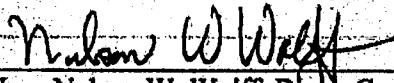
WHEREAS, Chapter 423, Texas Local Government Code, authorizes Bexar County to take certain action to comply with the requirements of the stormwater permitting program under the national pollutant discharge elimination system (Section 402, Federal Water Pollution Control Act (33 U.S.C. Section 1342)); and

WHEREAS, the Bexar County Commissioners Court has enacted regulations for the purpose of preventing stormwater pollution by developing, implementing and enforcing stormwater management guidelines and controls to reduce the discharge of pollutants from any conveyance or system of conveyance owned or operated by the County that is designed for collecting and conveying stormwater; and

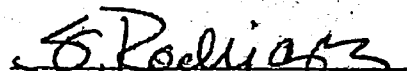
WHEREAS, the Bexar County Commissioners Court is authorized to set reasonable fees pursuant to Section 423.002(a)(5), Texas Local Government Code, to defray the cost of administering and enforcing these Regulations including, but not limited to, a Federal Stormwater Fee and a Site Development Permit Fee; and

WHEREAS, the Bexar County Tax Assessor-Collector is authorized to collect the fees enacted by this Order and will incur administrative expenses related thereto.

NOW, THEREFORE, BE IT ORDERED BY THE COMMISSIONERS COURT OF BEXAR COUNTY, TEXAS THAT: The proposed federal stormwater fee schedule, which is attached hereto and incorporated for all purposes as Exhibit "A", is hereby adopted and the Bexar County Tax Assessor-Collector is hereby authorized to collect any appropriate fee and assess a two percent administrative fee this 2nd day of September, 2008.

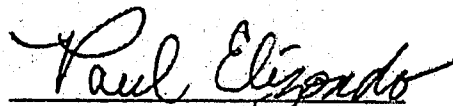


Hon. Nelson W. Wolff, Bexar County Judge

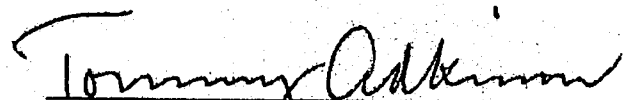


Hon. Sergio "Chico" Rodriguez,
Commissioner, Precinct 1

Hon. Lyle Larson,
Commissioner, Precinct 3



Hon. Paul Elizondo,
Commissioner, Precinct 2



Hon. Tommy Adkisson,
Commissioner, Precinct 4

Exhibit A

Federal Stormwater Program Cost for Bexar County, Texas				
Unincorporated Area of Bexar County Only		Square Footage		Annual Collection Rate w/ Maintenance Program
		Lo	High	
Residential				
Tier 1	RT1	0	4,999	\$ 9.95
Tier 2	RT2	5,000	+	\$ 13.14
Multifamily				
Tier 1	MT1	0	21,999	\$ 22.22
Tier 2	MT2	22,000	43,999	\$ 69.20
Tier 3	MT3	44,000	131,999	\$ 209.86
Tier 4	MT4	132,000	+	\$ 998.58
Commercial/General				
Tier 1	CT1	0	21,999	\$ 58.62
Tier 2	CT2	22,000	43,999	\$ 154.80
Tier 3	CT3	44,000	86,999	\$ 277.60
Tier 4	CT4	87,000	131,999	\$ 478.46
Tier 5	CT5	132,000	+	\$ 1,057.09
Site Development Permit Fee				(One Time Only)
Site Disturbance		Greater than 1 Acre		\$ 500.00