



City of Grand Prairie



Dallas County Flood Control District #1

TPDES Phase II Small MS4 General Permit Annual Report

Year 1: August 13, 2007 - August 12, 2008

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List of Acronyms

| | |
|--------|---|
| BMP | Best Management Practice |
| CRP | Clean Rivers Program |
| DCFCDD | Dallas County Flood Control District #1 |
| EPA | Environmental Protection Agency |
| ESD | City of Grand Prairie Environmental Services Department |
| GIS | Geographic Information Systems |
| HHW | Household Hazardous Waste |
| KGPB | Keep Grand Prairie Beautiful |
| MEP | Maximum Extent Practicable |
| MCM | Minimum Control Measure |
| MS4 | Municipal Separate Storm Sewer System |
| NCTCOG | North Central Texas Council of Governments |
| NPDES | National Pollutant Discharge Elimination System |
| P2 | Pollution Prevention |
| SIC | Standard Industrial Classification |
| SSO | Sanitary Sewer Overflow |
| SWMP | Storm Water Management Program |
| SWPP | Storm Water Pollution Prevention |
| SWP3 | Storm Water Pollution Prevention Plan |
| TCEQ | Texas Commission on Environmental Quality |
| TPDES | Texas Pollutant Discharge Elimination System |

Part I. General Information

Municipality/Permit #: City of Grand Prairie/ TXR040065

District/Permit #: Dallas County Flood Control District #1/ TXR040255

TPDES Permit #: TXR040000

TCEQ NOI Form #: 20368

Reporting Period: August 13, 2007 – August 12, 2008

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Certification:

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

I further certify that I am authorized under 30 Texas Administrative Code 305.128 to sign and submit this document, and can provide documentation in proof of such authorization upon request.

City of Grand Prairie

Signature: _____

Printed Name: _____

Title: _____

Date: _____

Dallas County Flood Control District #1

Signature: _____

Printed Name: _____

Title: _____

Date: _____

Part II. Self-Assessment

Status of the Compliance with Permit Conditions

The City of Grand Prairie has completed the required self-assessment and has determined that the City is in compliance with all permit conditions.

Appropriateness and Effectiveness of Year 1 BMPs for Reducing Pollutants

Each of the Year 1 BMPs were assessed as appropriate. Table 1 describes the estimated level of effectiveness of all Year 1 BMPs as they relate to the reduction of discharge of pollutants to the maximum extent practicable (MEP).

Table 1: List of BMPs and BMP Effectiveness

| BMP | Description | Effectiveness | Comment |
|------------|-----------------------------|----------------------|---|
| 1.3 | Lawn and Garden | Low | Reaches only those picking up brochure, perusing Web site, or seeking to understand SmartScape demonstration garden, but increases awareness of alternative chemicals and benefits to planting native species |
| 1.4 | HHW Program | High | Participation increase of 20% of last 2 years - gives consumers alternative place to dispose of chemicals |
| 1.5 | Don't Bag It | Moderate | Encourages a reduction in potential storm water contaminants such as fertilizers, insecticides and herbicides, while preserving valuable landfill space |
| 1.6 | Pet Waste | Moderate | Give-a-ways and brochures target the appropriate audience |
| 1.7 | H2O Line | Moderate | Reminds industrial facilities of reporting deadlines and gives them BMP information to increase compliance with industrial stormwater permit |
| 1.8 | Environmental Workshop | High | Surveys indicate that information helps facilities comply |
| 1.10 | Information for ARB | High | Compliance has increased 40% over last year |
| 1.12 | Interactive watershed model | Low | Increases awareness through visualization |
| 1.13 | Utility Bill Insert | High | This is the most widely read city publication |
| 1.15 | Multimedia Education | Moderate | Promotes watershed awareness to Grand Prairie citizens through creative video productions |
| 1.16 | Non-English | High | High population of only Spanish speaking citizens in Grand Prairie |
| 1.17 | Auto Watch | High | Targeted information for automotive sector |
| 1.18 | KGPB Programs | High | Tons of trash and debris are removed from neighborhoods, streams, and creeks. Survey indicates litter observed in Grand Prairie down from previous year |
| 1.21 | Take Care of Texas | Low | Dependent upon those receiving information |

| | | | |
|------|-------------------------------|----------|---|
| 2.1 | Public Notice | Low | Not applicable |
| 2.3 | Master Composter | Moderate | Provides students with practical alternatives to over-applying fertilizer, potentially reducing the amount of excessive nutrients to local waterways |
| 2.5 | Educational Event | High | Event focuses on stormwater issues and reaches hundreds of residents in one day |
| 2.7 | Illegal Dumping Hotline | High | City staff are made aware of polluted areas that they may have otherwise missed |
| 2.8 | Stakeholder Meetings | High | Citizens and City staff come together to make most appropriate decisions for SWMP |
| 2.9 | KGPB Programs | High | Includes residents, students, companies, civic groups, neighborhoods and churches in an effort to prevent litter and other pollutants from entering the stormwater system. Actively removes floatables from waterways. |
| 2.10 | Neighborhood Outreach | Moderate | Neighborhood associations are encouraged to form cleanup committees |
| 2.11 | School Outreach | High | Gets students and faculty involved in stewardship oriented activities, including Adopt-A-Stream cleanup efforts, storm drain marking projects, water quality monitoring programs and wetland education programs, resulting in the reduction of storm water pollutants |
| 2.12 | Corporate Involvement | High | This recognition based program has helped to remove pollutants from creeks and prevents polluting activities |
| 2.13 | Poster and Picture Contest | Moderate | Induces active thought process and participation |
| 2.15 | HHW Events | High | Actively allows citizens to participate and dispose of HHW properly |
| 2.16 | Annual Awards | High | Mandates storm water compliance to achieve recognition |
| 2.17 | ARB Mailing | Moderate | Increases ability to reach targeted audiences consistently |
| 2.18 | Rain Barrel Class | Moderate | Reinforces principles taught in other environmental programs such as master-composting classes, SmartScaping, and the Don't Bag It Program. Proper application of rain-barrel instruction results in the gradual distribution of rainwater over student's property, potentially reducing pollutant runoff and erosion |
| 3.1 | GIS MS4 Database | High | Map used to trace illicit discharges to water bodies. Field verification detects illicit discharges |
| 3.2 | Complaint database | Moderate | Tracks spills and creates historical information for assessment |
| 3.3 | Complaint response | High | Creates response mechanism. Incidents such as spills or sanitary sewer overflows are mitigated |
| 3.4 | Spill response | High | Abates pollutants and prevents them from entering streams |
| 3.5 | BPR Process | High | Mandates compliance prior to operation |
| 3.6 | Clean Rivers Program | High | Atypical results are investigated and mitigated |
| 3.9 | Stormwater Ordinance | Low | In development; however, enforcement increases compliance |
| 3.10 | Industrial Inspection Program | High | Ensure TPDES compliance |

| | | | |
|------|---|----------|---|
| 3.12 | Litter Collection | High | Approximately 205.22 tons (410,440 pounds) of litter were collected in Year 1 and sent to the Grand Prairie Landfill. By preventing litter from remaining in the environment, both surface and groundwater are protected from potential contamination associated with it |
| 3.13 | Illegal Dumping Clean-up | High | Clean-up reduces potential pollutants |
| 3.15 | IDDE | High | Detects illicit discharges which are then mitigated |
| 3.17 | Beach Sampling Program | Moderate | Reduces health risks to citizens |
| 3.19 | On Site Sewage System Permitting | Low | Very few permit requests or complaints occurred in Year 1 |
| 3.21 | Auto Inspection Program | High | Enforcement and education encourages businesses to prevent pollutants from coming into contact with stormwater |
| 3.22 | Sampling Manual | Low | Manual used as reference for correct sampling procedures |
| 4.1 | Review Infrastructure Plans and Designs | High | Determines the effectiveness of the drainage and erosion control measures in plans and provides comments for revisions by the designer to reduce to the maximum extent practicable potential site specific erosion control concerns |
| 4.3 | Earthwork Permit | High | Prior to any land disturbing activity, all erosion controls must be in place according to the plan. By tracking the number of earthwork permits issued, the City monitors sites and maintains compliance before activities begin |
| 4.5 | Complaint Response | High | City investigator ensures problem areas are brought back into compliance, thus reducing pollution runoff |
| 4.6 | Construction Ordinance | Low | The City is in the initial stages of ordinance development |
| 4.7 | Site Development Plan Reviews | Low | The City is in the initial stages of Site Development Plan Reviews |
| 4.8 | Recording and Public Complaint Response | Moderate | The City is in the initial stages. Staff have been trained and each investigator understands their responsibility, resulting in a shorter response time |
| 5.1 | Development Review Process | High | Review of plans is used for the mitigation of impact. The number of plans that have been approved reflect the impact on post construction runoff will be minimal to the detention areas as well as to floodplains associated with the site, if applicable. The review process may require several modifications of a drainage plan by the engineer to allow the BMPs to operate at the maximum extent practicable |
| 5.2 | Stream Buffer Preservation | Moderate | The City strives to create structural controls that are multi-purpose, while realizing that each site, project, and watershed presents different challenges and opportunities. The City encourages the preservation of natural hydrology and drainage ways and the reduction of impervious cover. The goal is to make efficient use of the natural features of the sites to prevent storm water impact at the maximum extent practicable. |
| 6.1 | SWMP Data Tracking | Low | Tracks City's SWMP activities |

| | | | |
|------|--|----------|---|
| 6.2 | Existing SWP3s | High | Inspections result in necessary updates to City SWPPPs. BMP improvements and/or additions are researched and implemented |
| 6.3 | Storm sewer and drainage maintenance | High | Maintenance includes cleaning, clearing, seeding, and overall maintenance of the storm sewer systems |
| 6.7 | Mosquito management | High | Controls products used and establishes processes so that applicators remain at a distance from fresh water bodies. |
| 6.8 | Street Sweeping | High | Removing contaminants from the roadways reduces the associated risk to the environment. Tons of materials were collected during Year 1 and delivered to the Grand Prairie Landfill for proper disposal. |
| 6.10 | DCFCD#1 storm sewer and drainage maintenance | Moderate | As situations arise in the DCFCD#1 that require maintenance or waste removal, this BMP will help to reduce the discharge of pollutants |

Part III. Summary of Minimum Control Measures

Correspondence with the TCEQ regarding revisions made to the SWMP following NOI submittal may be found in Appendix A. In addition to the revisions described in this section, the City of Grand Prairie revised MCM 4 and 5 in response to the TCEQ’s review. As a result, the two following statements preface the list of BMPs for MCM 4 and 5 in the SWMP.

MCM 4:

The following selected BMPs for Construction Site Storm Water Runoff Control apply to 1) construction activities of one acre and greater and 2) construction activities at sites that are part of a larger common plan of development (where the total disturbed area is equal to one acre or greater).

MCM 5:

The following selected BMPs for Post-Construction Management in New Development and Redevelopment apply to 1) new development / redevelopment activities of one acre and greater and 2) new development / redevelopment activities at sites that are part of a larger common plan of development (where the total disturbed area is equal to one acre or greater).

The following summary of minimum control measures includes the BMPs for each MCM, measurable goals, responsible party, target date, activities completed for each BMP, and any revisions made to the SWMP since submittal of the NOI. The listed *Target Date* for each measurable goal is defined as the scheduled start date for that goal where Year 1 starts on August 13, 2007, Year 2 starts on August 13, 2008, and so forth. Dates listed under *Activities Completed* are the completion dates for said activity.

MCM 1: Public Education and Outreach

| BMP | BMP Description | Measurable Goals | Responsibility | Target Date |
|---|--|---|-----------------------------------|--------------------|
| 1.1 Environmental Education Specialist | Employ an Environmental Education Specialist who supports the education initiative of this SWMP. | 1. Employ an Environmental Education Specialist who will actively seek to broaden educational opportunities within the school district and the city | Environmental Services Department | Years 2 – 5 |
| | | 2. Conduct 2 storm water outreach activities annually | | |

Revision: Completely removed this BMP from the SWMP.

Justification: This BMP is not a required element for the SWMP. With current economic conditions, it is unlikely the City will be able to fill this position within the next few years. Educational programs are currently performed by existing staff.

| BMP | BMP Description | Measurable Goals | Responsibility | Target Date |
|---------------------------------|--|---|---|--------------------|
| 1.2 Clean Rivers Program | Stream monitoring information is made available for review on the Clean Rivers Program (CRP) website. Access to this site will be provided through the city's website. | 1. Provide a link to the Clean Rivers Program's website on the city's website | Environmental Services Department, Environmental Quality Division | Years 2 – 5 |

The City has exceeded the goal for BMP 1.2. No activities are scheduled for Year 1; however the City completed this Year 2 BMP in Year 1.

BMP 1.2 Activities Completed

Date: 11/10/2006 **Responsible Party:** Echo Rexroad, Sr. Environmental Specialist

Web site Link

Provided link to Clean Rivers Program on City website. The Clean Rivers Program allows the public to search for and view sampling results of the waterways in the area online at the following Web site:

<http://www.gptx.org/EnvironmentalServices/WaterQuality/StreamMonitoring.aspx>

| BMP | BMP Description | Measurable Goals | Responsibility | Target Date |
|---|---|---|---|--------------------|
| 1.3 Lawn and Garden Education for Homeowners | Efforts will be made to encourage lawn and garden low maintenance concept into existing education programs throughout the city through the purchase and distribution of educational materials and other promotions. Low maintenance garden concepts will be created on city properties. | 1. Provide information about native and adaptive plants on the city website and by distributing educational materials at 2 venues located throughout the city | Environmental Services Department, Environmental Quality Division | Years 1 – 5 |

2. Maintenance of Texas SmartScape™ Demonstration Garden at the Prairie Paws Adoption Center

All activities for this BMP are complete for Year 1.

BMP 1.3 Activities Completed

Date: 3/28/2006 to 6/5/2007 **Responsible Party:** Solid Waste Division

Demonstration Garden

Maintenance, composting making, and hands-on experience for volunteers. Nine workshops with a total of 50 participants.

Date: 6/2/2007 **Responsible Party:** Public Works Department

Smarty Pants Grow Native Plants and Xeriscape Garden Tour

Gave residents the opportunity to see xeriscaping techniques and native Texas plants. Tour included sites in Grand Prairie to Duncanville and Cedar Hill. Tourist viewed demonstration gardens to get ideas of how they can plant a "water-wise garden" at their home or business. 22 citizen participants.

Date: 8/1/2007 **Responsible Party:** Environmental Quality Division

Texas SmartScape

Texas SmartScape educational materials (i.e. CD, bookmarks, etc.) were distributed at the Memorial Library, two locations in the Development Center, and the Betty Warmack Library.

Date: 8/1/2007 **Responsible Party:** Solid Waste Division

Green Guide to Yard Care

A Green Guide to Yard Care, a TCEQ publication, is distributed to visitors at the City landfill.

Date: 2/1/2008 **Responsible Party:** Environmental Quality Division

Web site information and link to SmartScape

The following link is from the City's Web site and includes a Texas SmartScape link as well as information on how to use lawn chemicals in an environmentally friendly manner: <http://www.gptx.org/EnvironmentalServices/WaterQuality/LawnChemicals.aspx>

Date: 2/15/2008 **Responsible Party: Public Works Department**

WFAA Web Site SmartScape Banner

The City participated in a SmartScape animated ad banner on WFAA.com. 235,347 impressions were delivered and 206 people clicked on the banner to open up the flash page. The ad was displayed from February 15 to March 15, 2008.

Date: 2/20/2008 **Responsible Party: Environmental Quality Division**

Native and Adaptive Plants – Web site

Posted information on Texas SmartScape on the City of Grand Prairie Storm Water Web site.

"What is Storm Water?" page: "Select native and adapted plants and grasses that are drought and pest resistant. Native plants require less water, fertilizer, and pesticides. Learn more about native and adaptive plants at www.txsmartscape.com."

"Lawn Chemicals" page: "Want to learn more about how you can reduce fertilizer and pesticide use? Become a Certified Master Composter or visit the Texas SmartScape™ official website."

Date: 8/13/2007 to 8/12/2008 **Responsible Party: Environmental Services Department**

Maintenance of Texas SmartScape Garden at Prairie Paws Adoption Center

Figure 1: Demonstration Garden at Prairie Paws Adoption Center



| BMP | BMP Description | Measurable Goals | Responsibility | Target Date |
|--|---|---|---|--------------------|
| 1.4 Household Hazardous Waste (HHW) Program | Reduction of household hazardous waste dumping will be promoted through the distribution of educational materials and through HHW events that provide city residents the opportunity to dispose of household hazardous waste. | <ol style="list-style-type: none"> 1. Continue pamphlet and/or wheel distribution at 3 venues located throughout the city 2. Discuss hazards of household hazardous waste at least 1 time per year in the city newsletter 3. Handout HHW magnets to at least 100 citizens per year | Environmental Services Department, Environmental Quality Division | Years 1 – 5 |
| | | | | Years 1 – 5 |
| | | | | Years 1 – 5 |

The City exceeded the goals for this Year 1 BMP.

BMP 1.4 Activities Completed

Date: 9/1/2006 to 5/1/2007 Responsible Party: Environmental Quality Division

Pipeline Articles

5 articles advertising HHW events were printed in the Pipeline.

Date: 10/16/2006 Responsible Party: Environmental Quality Division

HHW Display Case

Display case was designed to inform citizens about household hazardous waste and the collection program (Figure 2). The display is left for two months for citizens to view.

Figure 2: Household Hazardous Waste Display at the Development Center



Date: 1/22/2007 Responsible Party: Environmental Quality Division

Wheel/Pamphlet Distribution

Since January 22, 2007, the City has distributed 4,000 "Earth Saver" wheels at the Memorial Library and Betty Warmack Library, and at Household Hazardous Waste events located at the Development Center.

Date: 8/1/2007 to 5/1/2008 Responsible Party: Environmental Quality Division

Pipeline Articles

7 articles advertising HHW events were printed in the Pipeline.

Date: 8/19/2007 Responsible Party: Environmental Quality Division

HHW Magnets

The City distributed approximately 1,500 Household Hazardous Waste magnets in Year 1. Magnets were distributed during Household Hazardous Waste events, during which we had 1,290 participants, and were made available to visitors at the development center and during complaint inspections.

Date: 9/1/2007 to 2/1/2008 Responsible Party: Environmental Quality Division

Pipeline Articles

3 articles were printed in the Pipeline to discuss the hazards of disposing of household hazardous waste improperly.

| BMP | BMP Description | Measurable Goals | Responsibility | Target Date |
|----------------------------------|---|--|---|--|
| 1.5 Don't Bag It! Program | Encourage participants to mulch grass and yard clippings as a compost instead of application of commercial fertilizers. | 1. Distribute public education materials about the program at 3 venues located throughout the city 2. Provide information about the program in the water bill insert to 80% of the city's water customers | Environmental Services Department, Solid Waste Division | Years 1 – 5 Years 1 – 5 |

All activities for this BMP are complete for Year 1.

BMP 1.5 Activities Completed

Date: 8/1/2007 **Responsible Party: Solid Waste Division**

Educational Handouts

Distributed "Don't Bag It", "Hop To It" and "A Green Guide to Yard Care" materials at Development Center, City libraries, and City Landfill.

Date: 12/1/2007 **Responsible Party: Environmental Quality Division**

Pipeline

Winter Fertilizing Tips printed in the Pipeline described grasscycling or keeping clippings on the lawn as an alternative to synthetic fertilizers.

Date: 6/1/2008 **Responsible Party: Solid Waste Division**

Pipeline

Don't Bag it! article was printed in the Pipeline.

| BMP | BMP Description | Measurable Goals | Responsibility | Target Date |
|---|--|---|--|--|
| 1.6 Pet Waste Management Education | Promote awareness of the hazards to health and the environment from pet waste through several forms of outreach. (The pet waste dispensers also satisfy minimum control measure for public involvement). | 1. Purchase 500 shovels for distribution 2. Create cooperative "Doo the Right Thing" video by the end of Year 1; make video available on the city website and play on cable television annually 3. Annually distribute a minimum of 200 informative brochures at the Development Center | Environmental Services Department, Environmental Quality Division and Animal Services Division | Year 1 Years 1 – 5 Years 1 – 5 |

4. Annually distribute at least 200 informative brochures to customers adopting pets at the Prairie Paws Adoption Center and display poster in the Environmental Services Department office

5. Install 2 pet waste collection dispensers at any future pet park to promote proper owner disposal of pet waste

Year 4

All activities for this BMP are complete for Year 1.

BMP 1.6 Activities Completed

Date: 1/1/2006 Responsible Party: Environmental Quality Division

Pet Waste Brochures

Printed and distributed over 2,000 Pet Waste & Water Quality brochures (in English and Spanish) explaining the environmental issues associated with pet waste and how to dispose of the waste properly. Brochures were distributed at the Development Center, Memorial Library, and Prairie Paws Adoption Center.

Date: 3/22/2007 Responsible Party: Environmental Quality Division

Shovels

Purchased 700 pet waste shovels and distributed the shovels throughout the year.

Date: 8/1/2007 Responsible Party: Environmental Quality Division

Poster

"If you think picking up poop is unpleasant, try drinking it" poster displayed in Environmental Quality Division's office.

Date: 1/1/2008 **Responsible Party: Environmental Quality Division**

Doo the Right Thing on GPTV
 The City exceeded the required annual airing of the Doo the Right Thing video on Grand Prairie TV.

Date: 2/20/2008 **Responsible Party: Environmental Quality Division**

Doo the Right Thing on Web site
 Posted a link to the "Doo the Right Thing" video on the City's Web site:
<http://www.gptx.org/EnvironmentalServices/WaterQuality/PetWaste.aspx>

| BMP | BMP Description | Measurable Goals | Responsibility | Target Date |
|--------------------------------|--|---|---|--|
| 1.7 H₂O Line | Produce and distribute a newsletter to selected industrial sectors and automotive related businesses featuring storm water topics. | 1. Produce and distribute a quarterly newsletter promoting pollution prevention awareness to at least 200 businesses 2. Distribute to at least 50% of businesses during industrial inspections | Environmental Services Department, Environmental Quality Division | Years 1 – 5 Years 1 – 5 |

All activities for this BMP are complete for Year 1.

BMP 1.7 Activities Completed

Date: 1/10/2007 **Responsible Party: Environmental Quality Division**

Volume 1, Issue 1, Winter 2007, H2O Line

Date: 4/1/2007 **Responsible Party: Environmental Quality Division**

Volume 1, Issue 2, Spring 2007, H2O Line

Date: 7/1/2007 **Responsible Party: Environmental Quality Division**

Volume 1, Issue 3, Summer 2007, H2O Line

Date: 8/1/2007 **Responsible Party: Environmental Quality Division**

H2O Line Distribution

City inspectors regularly distribute the H2O Line during industrial inspections. In addition, the H2O Line is sent out to over 200 contacts via email.

Date: 10/1/2007 **Responsible Party: Environmental Quality Division**

Volume 1, Issue 4, Fall 2007, H2O Line

Date: 1/1/2008 **Responsible Party: Environmental Quality Division**

Volume 2, Issue 1, Winter 2008, H2O Line

Date: 4/1/2008 **Responsible Party: Environmental Quality Division**

Volume 2, Issue 2, Spring 2008, H2O Line

Date: 7/1/2008 **Responsible Party: Environmental Quality Division**

Volume 2, Issue 3, Summer 2008, H2O Line

| BMP | BMP Description | Measurable Goals | Responsibility | Target Date |
|---|---|---|---|--------------------|
| 1.8 Environmental Compliance Workshops | Pollution Prevention (P2) measure concepts are promoted to industries to reduce waste generated and the potential sources of storm water pollution. | 1. Encourage P2 measures through semi-annual environmental compliance workshops | Environmental Services Department, Environmental Quality Division | Years 1 – 5 |

All activities for this BMP are complete for Year 1.

BMP 1.8 Activities Completed

Date: 6/21/2006 **Responsible Party: Environmental Quality Division**

2nd Quarter 2006

Spoke about the stormwater program. Gave an overview of the history of the development of the program, an overview of the Multi-Sector

General Permit, and an overview of the new stormwater ordinance under development and what all of these aspects of stormwater will mean to businesses in Grand Prairie.

Date: 9/21/2006 **Responsible Party:** *Environmental Quality Division*

4th Quarter 2006
Pretreatment P2 Awards.

Date: 1/30/2007 **Responsible Party:** *Environmental Quality Division*

1st Quarter 2007
Reviewed common regulations that industrial facilities follow.

Date: 3/28/2007 **Responsible Party:** *Environmental Quality Division*

2nd Quarter 2007
New developments in the City and SH 161 progress. Otley Smith of Oncore Technology gave presentation on new operations in Grand Prairie.

Date: 7/18/2007 **Responsible Party:** *Environmental Quality Division*

3rd Quarter 2007
Jeff Tate of the TCEQ spoke on Storm Water Authorizations.

Date: 9/26/2007 **Responsible Party:** *Environmental Quality Division*

4th Quarter 2007
Annual Awards Luncheon to recognize compliance, pollution prevention projects, and workshop participation.

Date: 1/30/2008 **Responsible Party:** *Environmental Quality Division*

1st Quarter 2008
Jan Malone, TCEQ Emergency Response Coordinator for Region 4, spoke on TCEQ Spill Reporting Requirements.

Date: 4/23/2008 **Responsible Party:** *Environmental Quality Division*

2nd Quarter 2008
Marchella Bell-West, with the City of Grand Prairie's Solid Waste Division, discussed Solid Waste and Recycling for Industries. Echo Rexroad, with the Environmental Quality Division, discussed the BMPs businesses may implement to reduce the impact of floatables.

Date: 7/23/2008 **Responsible Party:** *Environmental Quality Division*

Tony Mendoza from the North Texas Clean Air Coalition discussed the impact of poor air quality on North Texas businesses.

| BMP | BMP Description | Measurable Goals | Responsibility | Target Date |
|--|---|--|---|---|
| 1.9 Commercial and Industrial Activity Education on the Impacts of Floatables | Awareness of and responsibility for floatables control and responsibility of commercial and industrial businesses will be integrated into existing activities by distributing information to selected facilities during routine inspections. (Refer to BMP 3.11). | <ol style="list-style-type: none"> Find or create informative handouts about litter associated with commercial and industrial activity to distribute Distribute informative brochures to 60% of the food permit holders inspected each calendar year; make both English and Spanish versions available Make available on the city website | Environmental Services Department, Environmental Quality Division | Year 2 Years 2 – 5 |

The City exceeded the goal for BMP 1.9. No activities are scheduled for Year 1; however the City created, purchased, and distributed “Clean It Right” brochures in English and Spanish.

BMP 1.9 Activities Completed

Date: 4/16/2008

Responsible Party: Environmental Quality Division

Clean it Right Brochures

Received English and Spanish "Clean It Right" brochures to distribute to food establishments.

| BMP | BMP Description | Measurable Goals | Responsibility | Target Date |
|--|--|---|---|------------------------------------|
| 1.10 Informational Material for Automotive Related Businesses | Awareness of the impact of the automotive sector's pollutants on water quality will be integrated into existing activities by distribution of information on BMPs and use of BMPs for automotive activities during routine Certificate of Occupancy inspections. | 1. Distribute automotive and storm water quality informative material during Certificate of Occupancy inspections 2. Make auto related business BMPs available on the city website | Environmental Services Department, Environmental Quality Division | Years 1 – 5 Years 2 – 5 |

All activities for this BMP are complete for Year 1.

BMP 1.10 Activities Completed

Date: 6/22/2006 Responsible Party: Environmental Quality Division

Purchased Funnels with Message

Purchased 200 Funnels with message "Don't Dump, Protect our Water".

Date: 8/1/2007 Responsible Party: Environmental Quality Division

Educational Material

Environmental Specialists distribute automotive and stormwater quality educational materials during auto-related business annual inspections and Certificate of Occupancy inspections. Materials may include, but are not limited to posters, Auto Watch (an Environmental Quality and Code Enforcement publication), "Protect Our Water, Don't Dump" notepads, TCEQ's "The Used Oil Recycling Handbook, Guidance for Used Oil Handlers", Small Business and Local Government Assistance materials, a list of State permitted liquid and solid waste haulers, and the City's Automotive Related Business ordinance.

Date: 4/28/2008 Responsible Party: Environmental Quality Division

7 Ways to Keep a Clean Shop

Created and began distribution of "7 Ways to Keep a Clean Shop Posters" to auto-related businesses during inspections. The City purchased 1,000 in English and 1,000 in Spanish.

| BMP | BMP Description | Measurable Goals | Responsibility | Target Date |
|---|---|---|---|--------------------|
| 1.11 Funding for Elementary School Curriculum on Storm Water Quality | Education on storm water quality and pollution prevention will be provided to elementary schools in Grand Prairie ISD through the purchase of curriculum. | 1. Purchase Major Rivers© or similar curriculum as needed for additional fifth grade Grand Prairie ISD classrooms | Environmental Services Department, Environmental Quality Division | Years 2 – 5 |

Revision: Included “as needed” in measurable goal.

Justification: Adel Quintana, the Science Program Coordinator for Grand Prairie Independent School District, informed the City that GPISD did not need additional copies of Major Rivers this year. By adding “as needed” to the measurable goal, the City will not be required to purchase additional curriculum unnecessarily.

The City has exceeded the goal for BMP 1.11. No activities are scheduled for Year 1; however the City purchased and distributed materials for teachers and students in 2006 and 2007.

BMP 1.11 Activities Completed

Date: 8/11/2006 **Responsible Party: Environmental Quality Division**

Major Rivers 2006

The City purchased 4 teacher packets and 98 student materials packets to be delivered to Grand Prairie ISD.

Date: 5/25/2007 **Responsible Party: Environmental Quality Division**

Major Rivers 2007

The City purchased 4 teachers packets to be distributed to Grand Prairie ISD.

| BMP | BMP Description | Measurable Goals | Responsibility | Target Date |
|--|---|--|---|--------------------|
| 1.12 Interactive Watershed Model Display on Storm Water Quality | Demonstrate to multiple age groups the effects of various residential and commercial pollutants on storm water quality. | 1. Review the kit's contents after each use and purchase any replacement parts or updates if necessary | Environmental Services Department, Environmental Quality Division | Year 1 |

2. Annually display an interactive watershed model or similar display during the child related water quality education events

All activities for this BMP are complete for Year 1.

BMP 1.12 Activities Completed

Date: 5/31/2006 **Responsible Party: Environmental Quality Division**

Replacement Parts

Environmental Quality staff review the EnviroScape kit's contents after each use and purchase replacement parts if necessary.

Date: 9/30/2006 **Responsible Party: Environmental Quality Division**

MayFest 2006

Environmental Quality Division demonstrated the importance of keeping our watersheds clean of pollution by displaying the EnviroScape during MayFest 2006.

Date: 4/16/2008 **Responsible Party: Echo Rexroad, Sr. Environmental Specialist**

Truman Middle School

Echo Rexroad of the Environmental Quality Division presented a PowerPoint presentation on Pet Waste and the Environment. During this presentation she also used the EnviroScape model to demonstrate the importance of keeping pollutants off of the ground and out of the storm drain.

Date: 5/10/2008 **Responsible Party: Environmental Quality Division**

MayFest 2008

Environmental Quality Division demonstrated the importance of keeping our watersheds clean of pollution by displaying the EnviroScape during MayFest 2008.

Figure 3: EnviroScape at MayFest 2008



| BMP | BMP Description | Measurable Goals | Responsibility | Target Date |
|---------------------------------|--|---|---|--------------------|
| 1.13 Utility Bill Insert | Raise awareness of storm water issues for citizens by placing articles in the water utility bill insert. | 1. Annually distribute information about storm water issues in the water utility bill insert to 80% of the city's customers | Environmental Services Department, Environmental Quality Division | Years 1 – 5 |

All activities for this BMP are complete for Year 1.

BMP 1.13 Activities Completed

Date: 8/1/2006 to 7/1/2007 **Responsible Party:** Environmental Quality Division

11 Pipeline articles were printed with water quality information, such as: Trinity River Awareness Day, the Illegal Dumping Hotline, how to

conserve water, description of a watershed, why it is important to keep used cooking oil out of the drain and how to properly manage leaves.

Date: 8/1/2007 to 7/1/2008

Responsible Party: Environmental Services Department

7 Pipeline articles were printed with water quality information, such as: household hazardous waste tips, fertilizing tips, how to dispose of oil and grease and Trinity River Awareness Day.

| BMP | BMP Description | Measurable Goals | Responsibility | Target Date |
|--|---|---|---|----------------------|
| 1.14 Stream and Watershed Name Road Signs | Raise awareness of local watersheds for citizens and visitors. Develop ownership of the watersheds. | 1. Develop road sign design and obtain approval 2. Select at least 5 sites within city limits the signs will be posted | Environmental Services Department, Environmental Quality Division; Public Works Department, Streets Division Environmental Services Department, Environmental Quality Division | Year 2 Year 3 |

No activities planned for Year 1.

| BMP | BMP Description | Measurable Goals | Responsibility | Target Date |
|---|---|--|---|--|
| 1.15 Multimedia Storm Water Public Education | Promote watershed awareness for both citizens and visitors using multiple types of media, including a website and the city's cable channel. | 1. Have storm water quality educational program on GPTV at least once per year 2. Develop information for city Web site and post 3. Provide and maintain Storm Water Pollution Prevention information on the city's Web site | Environmental Services Department, Environmental Quality Division Environmental Quality Division | Years 1 – 5 Year 2 Years 3 – 5 |

The City has exceeded the goal for BMP 1.15. All activities for this BMP are complete for Year 1. In addition, the Environmental Quality Division completed the Stormwater Web site, a measurable goal scheduled for Year 2.

BMP 1.15 Activities Completed

Date: 9/12/2006 **Responsible Party: Environmental Quality Division**

Ruthie Jackson Show

Christi Upton and Steven Furlough were guests on the Ruthie Jackson Show, airing in September, 2006. Spoke about Trinity River Awareness Day and the importance of being aware of water quality issues.

Date: 8/1/2007 **Responsible Party: Environmental Quality Division**

Doo the Right Thing

Doo the Right Thing aired multiple times in Year 1 on GPTV.

Date: 8/1/2007 **Responsible Party: Environmental Quality Division**

Chuco Saves the Day

Chuco Saves the Day aired through the month of August 2007 for 31 days, 3 times a day for a total of 93 times on GPTV.

Date: 9/17/2007 **Responsible Party: Environmental Quality Division**

Ruthie Jackson Show

Steven Furlough and Echo Rexroad were guests on the Ruthie Jackson Show, airing in September, 2007. Spoke about Trinity River Awareness Day and the importance of being aware of water quality issues.

Date: 10/1/2007 **Responsible Party: Diane Castillo, Environmental Specialist**

Dirty Jobs - ARB Inspections

Diane Castillo was interviewed for Dirty Jobs, a GPTV production, during a routine auto-related business (ARB) inspection. She described the inspection process, what could happen if oil or vehicle fluids got into the stormwater system, the historical issues of Grand Prairie ARBs, and how the ARB ordinance was born.

Date: 2/1/2008 **Responsible Party: Environmental Quality Division**

Stormwater Web Site

Created and posted stormwater educational material for Environmental Quality Web site (Figure 4). Includes pages for the following topics: Stormwater, What are Watersheds?, Pet Waste, Cooking Oils, Lawn Chemicals, Volunteering, Stream Monitoring, and Kids Activities.

The address to this Web site is: <http://www.gptx.org/EnvironmentalServices/WaterQuality/StormWater.aspx>

Figure 4: Stormwater Web site

Environmental Quality
 Environmental Services - Environmental Quality
 201 NW 2nd Street, Suite 100
 972-237-8055
 Fax: 972-237-8228

WHAT IS STORM WATER?

Storm Water
 Storm water begins as rain or snowmelt that falls on or washes over both pervious (grass, woodlands, gardens and other undeveloped lands) and impervious surfaces (roofs, driveways, parking lots, streets, and other hard surfaces). It flows from rooftops, through lawns, over paved streets, sidewalks and parking lots, across bare soil, and eventually flows untreated into storm drains to our streams, creeks, and rivers.

Storm Water
 Storm water runoff is created from excess water that cannot be absorbed by pervious surfaces or from water flowing off impervious areas. Rather than being absorbed into the ground, rainwater enters the City's storm water drainage system, a network of catch basins, yard inlets and pipes that keep water from flooding roads and property. Water is diverted through the network and eventually to the City's streams, rivers, and lakes. As it flows, runoff collects and transports pet waste, soil, pesticides, fertilizers, oil and grease, litter, and other pollutants. These materials carried with the storm water are called **non-point source pollution**, and are some of the largest sources of pollution to our water. Because storm water has the potential to pick up pollutants as it crosses over the land, its protection is vital to the health of our environment and our drinking water.

What are Watersheds?

Pet Waste

Cooking Oils

You Can Protect Our Waterways

- Report Illegal Dumping. If you have witnessed illegal dumping in the City of Grand Prairie or know of a location where illegal dumping has occurred, please call the **Illegal Dumping Hotline** at 972-237-8064
- Remember to turn off your sprinklers when it rains to avoid water runoff; during winter, runoff can freeze causing slippery conditions.

Date: 4/28/2008

Responsible Party: Echo Rexroad, Sr. Environmental Specialist

Ruthie Jackson Show

Echo Rexroad was a guest on the Ruthie Jackson Show, airing in May 2008. Echo spoke about MayFest: A Celebration of the Trinity River and the importance of being aware of water quality issues.

Date: 5/21/2008

Responsible Party: Echo Rexroad, Sr. Environmental Specialist

Know the Code - HHW

Echo Rexroad was a guest on "Know the Code", a GPTV program highlighting City ordinances. Echo spoke about household hazardous waste, how to dispose of HHW and why we need to dispose of it properly.

Date: 7/1/2008

Responsible Party: Environmental Quality Division

Pipeline article was printed to encourage citizens to view the Environmental Quality's Web site for water quality information.

| BMP | BMP Description | Measurable Goals | Responsibility | Target Date |
|---|--|---|---|------------------------------------|
| 1.16 Tailor Outreach Programs to non-English languages | Evaluate and translate all educational materials created during the permit to Spanish. | 1. Evaluate 80% of educational materials that can be translated 2. Translate 25% of materials that have been evaluated as being available in Spanish 3. Begin purchasing and distributing brochures | Environmental Services Department, Environmental Quality Division | Year 1 Year 3 Year 4 |

All activities for this BMP are complete for Year 1.

BMP 1.16 Activities Completed

Date: 8/1/2007

Responsible Party: Environmental Quality Division

Spanish Brochures

The Environmental Services Department has created, purchased, and/or distributed the following brochures in Spanish:

1. Steps to Obtain Construction Permits for Storm Water Discharges
2. A Guide for Auto Service, Repair and Maintenance Businesses
3. Our Water, Take It Personally
4. Fat Free Sewers
5. Landscape Maintenance Companies
6. Pet Waste and Water Quality
7. Preventing Stormwater Pollution at Construction Sites
8. Clean It Right, Best Management Practices
9. Hop to It, Your Guide to the City of Grand Prairie's Solid Waste and Recycling Services
10. Six Ways to Take Care of Texas (bookmarks)
11. Nonpoint Source Pollution, Answers to Frequently Asked Questions

- 12. Operating Your Auto Related Business in the City of Grand Prairie
- 13. Auto Watch Newsletter

Date: 4/1/2008 **Responsible Party: Environmental Quality Division**

Spanish ARB Ordinance

The City of Grand Prairie Auto Related Business ordinance was translated into Spanish for distribution.

Date: 4/24/2008 **Responsible Party: Environmental Quality Division**

Spanish Clean Shop Poster

Created "7 Ways to Keep a Clean Shop and Reduce the Pollution in Our Creeks and Lakes" poster in Spanish for distribution during Auto Related Business inspections.

| BMP | BMP Description | Measurable Goals | Responsibility | Target Date |
|------------------------|--|--|--|--------------------|
| 1.17 Auto Watch | Create and distribute a water quality and code enforcement publication featuring environmental issues specific to automotive related businesses. | 1. Continue to create and distribute publication to at least 300 businesses annually | Environmental Services Department, Environmental Quality Division, Code Enforcement Division | Years 1 – 5 |

All activities for this BMP are complete for Year 1.

BMP 1.17 Activities Completed

Date: 1/8/2007 to 7/1/2008 **Responsible Party: Code Enforcement Division and Environmental Quality Division**

Auto Watch

4 Auto Watch newsletters were created and distributed to at least 300 automotive businesses in Grand Prairie. Auto Watch provides information on new local automotive regulations and other pertinent topics.

| BMP | BMP Description | Measurable Goals | Responsibility | Target Date |
|---|---|--|---|--------------------|
| 1.18 Keep Grand Prairie Beautiful Education Programs | Conduct KGPB programs that promote environmental education, including storm water and pollution prevention awareness. | 1. Conduct or host at least 3 KGPB education programs annually | City Manager's Office, Keep Grand Prairie Beautiful Program | Years 1 – 5 |

All activities for this BMP are complete for Year 1.

BMP 1.18_Activities Completed

Date: 2/3/2007 **Responsible Party: City Manager's Office**

Creek on HWY 360 Adopt-A-Stream Cleanup

Educated participants about floatable pollution prevention, the need to preserve riparian forests and other buffer zone plants. Also educated them about our stormwater stenciling program and our Adopt-A-Stream program in an effort to recruit them for future cleanups and the Texas Stream Team Program.

Date: 2/10/2007 **Responsible Party: City Manager's Office**

Johnson Creek & Goodwin Branch Adopt-A-Stream Cleanup

Educated participants about floatable pollution prevention, the need to preserve riparian forests and other buffer zone plants. Also educated them about our stormwater stenciling program and our Adopt-A-Stream program in an effort to recruit them for future cleanups and the Texas Stream Team Program.

Date: 9/15/2007 **Responsible Party: City Manager's Office**

Dies y Seis Celebration Education Booth

Keep Grand Prairie Beautiful hosted a public information booth at the Dies y Seis Celebration at the Bowles Life Center. Passed out information about our litter prevention programs, including: Adopt-A-Street, Adopt-A-Stream, Litter Free Hotline, Clean & Green Campus, Clean Company. Distributed information about the Community Forestry Program and the Tool Lending Depot.

Date: 9/22/2007 **Responsible Party: City Manager's Office**

Trinity Trash Bash

Keep Grand Prairie Beautiful participated in this event, which is coordinated by the Environmental Services Department. The Keep Grand Prairie Beautiful booth included information about our litter prevention programs, with a focus on our Adopt-A-Stream program.

Date: 10/19/2007 **Responsible Party: City Manager's Office**

Fall ShadeMakers Community Forestry Class hosted by Keep Grand Prairie Beautiful

Three day class that educates residents about the importance of trees. We cover how trees can filter stormwater pollution, capture rainwater and how their roots can help prevent stream bank erosion. We teach how to select the right trees for our soils and how to properly plant and care for the trees. We also teach about composting and that fertilizers can runoff in to the streams and create problems. 13 participants took this three-day class

| BMP | BMP Description | Measurable Goals | Responsibility | Target Date |
|--|---|---|--|-------------------------|
| 1.19 Educational Material for Construction Site Personnel | Create or find educational materials on BMPs and erosion control for construction site personnel. | <ol style="list-style-type: none"> 1. Create or find brochure and/or link on construction BMPs and erosion control requirements 2. Distribute at least 200 brochures a year at the Development Center and/or provide a link to the educational material on the city's website | Environmental Services Department, Environmental Quality Division Planning and Development Department and Environmental Services Department | Year 2 Years 2–5 |

The City has exceeded the goal for BMP 1.19. No activities are scheduled for Year 1; however, activities for this BMP are complete for Year 2.

BMP 1.19 Activities Completed

Date: 8/1/2007 **Responsible Party: Environmental Quality Division**

Preventing Stormwater Pollution

Purchased "Preventing Stormwater Pollution at Construction Sites" in English and Spanish for distribution.

Date: 4/14/2008 **Responsible Party: Environmental Quality Division**

Steps to Obtain Construction Permits

Purchased 1000 English and 1000 Spanish "Steps to Obtain Construction Permits for Storm Water Discharges" for distribution.

| BMP | BMP Description | Measurable Goals | Responsibility | Target Date |
|--|--|--|---|--------------------|
| 1.20 Storm Water Education for Visitors | Provide educational materials featuring water quality issues for Grand Prairie visitors. | 1. Provide information about storm water issues on the city website and at Grand Prairie's visitors center | Environmental Services Department, Environmental Quality Division | Year 2 |

The City has exceeded the goal for BMP 1.20. No activities are scheduled for Year 1; however, all activities for this BMP are complete for Year 2.

BMP 1.20 Activities Completed

Date: 2/1/2008 **Responsible Party: Environmental Quality Division**

Stormwater Web Site

Created and posted stormwater educational material for Environmental Quality Web site. Includes pages for the following topics: Stormwater, What are Watersheds?, Pet Waste, Cooking Oils, Lawn Chemicals, Volunteering, Stream Monitoring, and Kids Activities.

The address to this Web site is: <http://www.gptx.org/EnvironmentalServices/WaterQuality/StormWater.aspx>

Date: 8/1/2008 **Responsible Party: Environmental Quality Division**

Nonpoint Source Pollution

The Environmental Quality Division placed "Nonpoint Source Pollution: You are the Key to the Cleanup" in the Visitor's Center for distribution.

| BMP | BMP Description | Measurable Goals | Responsibility | Target Date |
|---|--|---|---|--------------------|
| 1.21 Take Care of Texas Brochure | Distribute brochures that describe what residents may do to protect the environment. | 1. Distribute at least 200 Take Care of Texas brochures | Environmental Services Department, Environmental Quality Division | Year 1 |

All activities for this BMP are complete for Year 1.

BMP 1.21 Activities Completed

Date: 10/30/2007 **Responsible Party: Environmental Quality Division**

Take Care of Texas

The Environmental Quality Division received 250 "Take Care of Texas-Do Your Part!" brochures and 250 "Six Ways to Take Care of Texas" bookmarks for distribution at the Development Center.

MCM 2: Public Involvement & Participation

| BMP | BMP Description | Measurable Goals | Responsibility | Target Date |
|---|--|---|---|--------------------|
| 2.1 Public Notice in Development of SWMP | Comply with federal, state, and local public notice requirements when implementing the SWMP. | <ol style="list-style-type: none"> 1. Continue to make the document available for comments on the city Web site and at the Environmental Services Department office 2. Make presentations to applicable city council committees | Environmental Services Department, Environmental Quality Division | Years 1 – 5 |

Revision: Removed the two following measurable goals from this BMP: 1) Participate in a 15 minute Grand Prairie cable show that highlights the SWMP and invites the public to make comments and 2) Provide a copy of the document for comment to at least one of the environmental compliance workshops. The two following goals remain in this BMP: 1) Continue to make the document available for comments on the city website and at the Environmental Services Department office and 2) Make presentations to applicable city council committees

Justification: While the City may have accomplished the two removed goals, there is no supporting documentation.

All activities for this BMP are complete for Year 1.

BMP 2.1 Activities Completed

Date: 4/11/2006 **Responsible Party:** Cindy Mendez, Environmental Quality Manager

City Council Development Committee

Cindy Mendez presented the Storm Water Management Program to the City Council Development Committee. This meeting was open to the public.

Date: 4/12/2006 **Responsible Party:** Cindy Mendez, Environmental Quality Manager

City Council Public Safety, Health, and Environmental Committee

Cindy Mendez presented the Storm Water Management Program to the Public Safety, Health, and Environmental Committee. This meeting was open to the public.

Date: 6/6/2006 **Responsible Party: Cindy Mendez, Environmental Quality Manager**

City Council Finance and Government Committee

Cindy Mendez presented the Storm Water Management Program to the Finance and Government Committee. This meeting was open to the public.

Date: 6/26/2006 **Responsible Party: Environmental Quality Division**

Web site Survey and SWMP Request for Public Comment

The Environmental Quality Division posted a Web site survey to better understand citizens' views on water quality issues. This survey is prefaced with an SWMP introduction and a request for public comment on the Program. This Survey may currently be found at the following Web site: <http://www.gptx.org/EnvironmentalServices/stormwaterquestionnaire.aspx>

Date: 8/1/2007 **Responsible Party: Environmental Quality Division**

SWMP at Environmental Services Office

A copy of the City's Storm Water Management Program is available for review and comments at the Environmental Services Department office located at 201 Northwest 2nd Street, Ste 100 Grand Prairie Texas 75050.

| BMP | BMP Description | Measurable Goals | Responsibility | Target Date |
|--|--|---|---|--------------------|
| 2.2 Texas Stream Team Volunteer Stream Monitoring Program | Involve volunteers in the stream monitoring process through Texas Stream Team. | 1. Hold at least 1 Texas Stream Team training session for volunteers or corporations annually | Environmental Services Department, Environmental Quality Division | Years 2 – 5 |

Revision: Target date was revised from Years 1-5 to Years 2-5 and the name “Texas Watch” was revised to “Texas Stream Team” .

Justification: Under the assumption the City can use previous years' accomplishments, the City has technically accomplished this goal for Year 1. In addition, two City employees were trained in Year 1. However, unforeseen circumstances (i.e. transfer of responsibility to new employee, training of new employee, availability of volunteers during school months, etc.) hindered expected training events.

Texas Watch is now called Texas Stream Team.

All activities for this BMP are complete for Year 1.

BMP 2.2 Activities Completed

Date: 4/13/2006 **Responsible Party: Environmental Quality Division**

Phase I Training

Phase I of training for Devin Davis and Chris from Bell Helicopter.

Date: 7/7/2006 **Responsible Party: Environmental Quality Division**

Phase III with Matt Pickell

Phase III with Matt Pickell on site at North Cottonwood Creek off of South Great Southwest Pkwy.

Date: 7/25/2006 **Responsible Party: City Manager's Office**

Learning Urban Watersheds

Teachers from the DFW area, two from Grand Prairie, were invited to attend two-day training on teaching urban watershed issues to students. 5 hours were spent doing Phase I and II of Texas Watch.

Date: 8/8/2006 **Responsible Party: Environmental Quality Division**

Texas Watch Training

Training for Phase I and Phase II from 9 am to 12 pm. Attendees were Biff Bivens and Katherine Stringham of Lockheed Martin and Mark and Val of Pratt and Whitney.

Date: 8/18/2006 **Responsible Party: Environmental Quality Division**

Phase III with Lockheed

Phase III with Kathy Stringham and Biff Bivens.

Date: 9/14/2006 **Responsible Party: Environmental Quality Division**

Phase III with Pratt and Whitney

Phase III with Valerie and Mark of Pratt and Whitney at Johnson Creek off of North Great Southwest.

Date: 10/25/2006 **Responsible Party: Environmental Quality Division**

Reagan MS Earth Club training

Teacher Chris Miller and nine students were trained to use the Texas Watch kit. Phase I on October 25th and Phase II and III on October 27th. They will sample at a wetland just north of Reagan Middle School.

Date: 2/29/2008 **Responsible Party: Environmental Quality Division**

Texas Stream Team Certification

Echo Rexroad and T Sury, both with the Environmental Quality Division, received the training and certification to become Texas Stream Team water quality monitors.

| BMP | BMP Description | Measurable Goals | Responsibility | Target Date |
|-------------------------------------|---|---|---|---|
| 2.3 Master Composter Program | Involve the public in lawn and garden compost waste training that will encourage reductions in fertilizer and pesticide use. Participants attend three days of hands-on training and can become a Certified Master Composter. | 1. Conduct 2 Master Composter classes per year 2. Distribute yard care educational materials to at least 20 Master Composter participants annually | Environmental Services Department, Solid Waste Division | Year 1 Years 1 – 5 |

Revision: Revised the following goal from Years 1-5 to Year 1: Conduct 2 Master Composter classes per year.

Justification: The City of Grand Prairie has hosted a Master Composter class annually for over 10 years and has trained approximately 700 people during that time. Recent trends have demonstrated less interest in this class, and as a result, it has become increasingly difficult to find individuals willing to participate. Due to the lack of interest, the Solid Waste Division has determined that hosting two classes per year is not financially realistic.

All activities for this BMP are complete for Year 1.

BMP 2.3 Activities Completed

Date: 3/17/2007 **Responsible Party: Solid Waste Division**

How-Tos of Making Compost. Presented by Linda Clemens. 50 participants.

Date: 4/12/2007 **Responsible Party: Solid Waste Division**

Master Composter Training. 16 participants.

Date: 4/13/2007 **Responsible Party: Public Works Department**

Held a Junior Master Composter Workshop for educators. 34 participants.

Date: 4/15/2007 **Responsible Party: Public Works Department**

Master Composter Class

Teaching citizens to teach others about composting. Teachers' training includes a full day of classroom instruction on the how and why of composting. Everyone then meets at the Kirby Creek Park demonstration garden for a hands-on demonstration. 28 participants.

Date: 9/19/2007 **Responsible Party: Solid Waste Division**

Master Composter Class

15 hours of classroom instruction and forty hours of volunteer/community service time. Course work included hands-on experience, lectures, films, and an overview of the latest composting tools and techniques. Class included 10 participants. Distributed the following educational materials: Rodale Book of Composting, A Green Guide to Yard Care, and an excerpt from the Master Composter Training Manual.

Date: 5/29/2008 **Responsible Party: Solid Waste Division**

Master Composter Class

15 hours of classroom instruction and forty hours of volunteer/community service time. Course work included hands-on experience, lectures, films, and an overview of the latest composting tools and techniques. Class included 8 participants. Distributed the following educational materials: Rodale Book of Composting, A Green Guide to Yard Care, and an excerpt from the Master Composter Training Manual.

| BMP | BMP Description | Measurable Goals | Responsibility | Target Date |
|--------------------------------|---|---|---|--------------------|
| 2.4 Storm Drain Markers | Install storm drain markers "Protect Our Water, Don't Dump" to promote awareness of the storm drain system. | 1. Purchase and have installed through volunteer help 100 of the city's unmarked storm drain curb inlets annually | Environmental Services Department, Environmental Quality Division | Years 2 – 5 |

Revision: Revised this goal from 200 markers to 100 markers.

Justification: This Years 2-5 activity may prove to be more difficult than originally thought. While the City provided 310 markers for placement, only 71 markers were actually placed in Year 1. The reason for this was said to be the great number of extracurricular activities the volunteers were participating in this year. 100 markers is a more reasonable goal. If the goal of 100 is not met, remaining markers will be placed by City personnel.

The City has exceeded the goal for BMP 2.4. No activities are scheduled for Year 1; however, the City has placed 386 storm drain markers since May 31, 2007 and purchased 500 markers on August 11, 2008.

BMP 2.4 Activities Completed

Date: 5/31/2007 **Responsible Party: Environmental Quality Division**

May 2007 Storm Drain Project

Nine (9) Grand Prairie ISD schools participated in storm drain marking through the direction of Environmental Quality staff. Approximately 297 drains were labeled with educational markers used to promote storm drain protection.

Date: 5/10/2008 **Responsible Party: Environmental Quality Division**

May 2008 Storm Drain Project

Four (4) Grand Prairie ISD schools participated in storm drain marking through the direction of Environmental Quality staff. Approximately 89 drains were labeled with educational markers used to promote storm drain protection.

Date: 8/11/2008 **Responsible Party: Environmental Quality Division**

Purchased Markers

The Environmental Quality Division purchased 500 storm drain markers from das Manufacturing Incorporated.

| BMP | BMP Description | Measurable Goals | Responsibility | Target Date |
|-----------------------------------|--|---|---|--|
| 2.5 Public Education Event | Hold an interactive educational event that promotes storm water BMPs and awareness of the Trinity River watershed. | 1. Annually hold a public education event that focuses on education through involvement and promotional giveaways 2. Collect and use at least 20 participant surveys for evaluation of the event | Environmental Services Department, Environmental Quality Division | Years 1 – 5 Years 1 – 5 |

All activities for this BMP are complete for Year 1.

BMP 2.5 Activities Completed

Date: 9/30/2006 **Responsible Party: Environmental Quality Division**

Trinity River Awareness Day 2006

There were 330 participants, 216 participants were children. 17 volunteers helped with the event and 5 speakers spoke. The activities included Charles Allen of Trinity River Expeditions and Ruthie Jackson, Mayor Pro Tem, as opening speakers; a volunteer from Texas Master Naturalists made a presentation; two volunteers from the Botanical Research Institute of Texas made a presentation; a presentation of World Water Monitoring Day; a Recycling Relay; and information from Environmental Services and Keep Grand Prairie Beautiful. 50 surveys were completed during the event.

Date: 9/22/2007 **Responsible Party: Environmental Quality Division**

Trinity River Awareness Day 2007

The Environmental Quality Division hosted Trinity River Awareness Day at Loyd Park. There were 198 attendees including 123 children, 52 adults, and 23 volunteers. Environmental Quality staff passed out 50 survey cards to participants. This year's events featured outdoor classroom activities such as World Water Monitoring, wildlife viewing and discussions, recycle relays, and other educational presentations provided by Keep Grand Prairie Beautiful and Environmental Quality staff.

Date: 3/29/2008 **Responsible Party: Environmental Quality Division**

Title I Parent & Community Conference

Three Environmental Quality staff participated in a Health Fair for Grand Prairie ISD. Passed out giveaways and informational materials promoting environmental and health education.

Date: 5/10/2008 **Responsible Party: Environmental Quality Division**

MayFest - A Celebration of the Trinity River

This year's theme, "MayFest—A Celebration of the Trinity River," focused on water-related activities. MayFest goers enjoyed a wide variety of aquatic demonstrations, water quality exhibits, and conservation tips. This event was sponsored by the City of Grand Prairie, Grand Prairie ISD, and Grand Prairie Arts Council. There were approximately 1,200 participants.

| BMP | BMP Description | Measurable Goals | Responsibility | Target Date |
|----------------------------------|--|--|---|--------------------|
| 2.6 Storm Water Ordinance | Involve the public in the development of a Storm Water Ordinance (refer to BMP 3.9). Public comment will be incorporated in the finalization of the ordinance. | 1. Hold at least 1 public hearing on the storm water ordinance; additional hearings will be held provided there is significant public interest | Environmental Services Department, Environmental Quality Division | Year 2 |

Implementation of BMP 2.6 does not occur until Year 2.

| BMP | BMP Description | Measurable Goals | Responsibility | Target Date |
|------------------------------------|--|---|--|---------------------------------------|
| 2.7 Illegal Dumping Hotline | Encourage citizens to report violators of dumping by participating in an inter-local response to an illegal dumping hotline. | <ol style="list-style-type: none"> 1. Continue to make the Illegal Dumping Hotline available on the city's Web site. 2. Add link to Environmental Services storm water Web page promoting Illegal Dumping Hotline | <p>Planning and Development Department, Code Enforcement Division</p> <p>Environmental Services Department, Environmental Quality Division</p> | <p>Years 1 – 5</p> <p>Years 2 – 5</p> |

All activities for this BMP are complete for Year 1.

BMP 2.7 Activities Completed

Date: 9/2/2007 **Responsible Party: Code Enforcement Division**

Code Enforcement Web Site

The number of the City's Illegal Dumping Hotline may be found on the Code Enforcement's Web site at: <http://www.gptx.org/PlanningAndDevelopment/CodeEnforcement/default.aspx>

Date: 2/1/2008 **Responsible Party: Environmental Quality Division**

Stormwater Web Site

The Illegal Dumping Hotline number may be found on the City's Stormwater Web page located at: <http://www.gptx.org/EnvironmentalServices/WaterQuality/StormWater.aspx>

| BMP | BMP Description | Measurable Goals | Responsibility | Target Date |
|---------------------------------|--|--|---|--------------------|
| 2.8 Stakeholder Meetings | Keep citizens and other stakeholders involved in the decision process for managing the Storm Water Management Program. | 1. Hold one stakeholder meeting per year | Environmental Services Department, Environmental Quality Division | Years 1 – 5 |

All activities for this BMP are complete for Year 1.

BMP 2.8 Activities Completed

Date: 4/11/2006 **Responsible Party: Cindy Mendez, Environmental Quality Manager**

Council and Public Meetings

On April 11, 2006, April 12, 2006, and June 6, 2006, Cindy Mendez presented the Storm Water Management Program to the City Council Development Committee, Public Safety, Health, and Environmental Committee, and Finance and Government Committee, respectively. These meetings were open to the public.

Date: 10/15/2007 **Responsible Party: Echo Rexroad, Sr. Environmental Specialist**

Environmental and Engineering Meeting

The Environmental Quality staff met with the Engineering Department to discuss development of the SWMP.

Date: 12/12/2007 **Responsible Party: Echo Rexroad, Sr. Environmental Specialist**

Environmental and Engineering Meeting

The Environmental Quality staff met with the Engineering Department to discuss the SWMP.

| BMP | BMP Description | Measurable Goals | Responsibility | Target Date |
|--|---|---|---|--------------------|
| 2.9 Keep Grand Prairie Beautiful Programs | Encourage participation in Keep Grand Prairie Beautiful programs, such as Adopt-a-Stream, Adopt-A-Wetland, Youth Environmental Action (YEA!), and the Great American Cleanup. | 1. Host at least 5 events per year to encourage community participation | City Manager's Office, Keep Grand Prairie Beautiful Program | Years 1 – 5 |

All activities for this BMP are complete for Year 1.

BMP 2.9 Activities Completed

Date: 11/11/2006 **Responsible Party: City Manager's Office, Special Projects Coordinator**

Adopt-A-Stream Cleanup with OHSV NA

Fish Creek Cleanup with Oak Hollow - Sheffield Village Neighborhood Association and its Clean & Beautiful Neighborhood Subcommittee. 1.32 Tons, 19 Vols, 57 Hours, .75 Miles of Creek Shore Cleaned.

Date: 1/27/2007

Responsible Party: City Manager's Office, Special Projects Coordinator

Mountain Creek Cleanup

Mountain Creek Cleanup with the Order of the Arrow Boy Scouts - Cleaned 4 sections of Mountain Creek. Floatables included plastic bottles, trash and several dump sites. Approx # 50 Participants. Approx Volunteer Hours: 200.

Date: 2/3/2007

Responsible Party: City Manager's Office, Special Projects Coordinator

Adopt-A-Stream Cleanup

Creek on HWY 360 Adopt-A-Stream Cleanup with Weed & Seed Manual Labor Program volunteers and community service workers participated. Tons, 26 Vols, 78 Hours, .75 Miles of Creek Shore Cleaned.

Date: 2/10/2007

Responsible Party: City Manager's Office, Special Projects Coordinator

Johnson Creek & Goodwin Branch AAS Cleanup

Johnson Creek & Goodwind Branch AAS with Hidden Creek, Fairway Estates Neighborhood Associations and Larson Academy (AISD) Green & Clean Campus Program. Tons, 26 Vols, 78 Hours, .75 Miles of Creek Shore Cleaned.

Date: 9/1/2007

Responsible Party: City Manager's Office, Special Projects Coordinator

Reagan Adopt-A-Wetland Project with Eagle Scout Candidate Zach Davies

The project included a wetland cleanup and the construction of an outdoor learning center and amphitheater. There were 41 volunteers at this project. During the lunch we discussed the importance of keeping the water clear of floatables and nonpoint source pollution. 313 lbs of trash was cleaned up, 10 lbs of recyclables were sent to be recycled, .25 miles of stream bank were cleaned up.

Date: 1/19/2008

Responsible Party: City Manager's Office, Special Projects Coordinator

Mountain Creek Cleanup

Adopt-A-Stream Cleanup with the Order of the Arrow (Boy Scouts). Educated the volunteers about water quality and how floatables can affect it.

38 Volunteers

152 Volunteer Hours

790 lbs of Trash Picked Up

210 lbs of Recycling Sent to Be Recycled

7 Tires Removed

.75 miles of creek bank cleaned

Date: 1/26/2008 **Responsible Party: City Manager's Office, Special Projects Coordinator**

Prairie Creek Adopt-A-Stream Cleanup

Educated volunteers and representatives of local businesses about the affects of floatables on water quality.

- 11 Volunteers
- 55 Volunteer Hours
- 545 lbs of Litter Picked Up
- .5 miles of creek bank cleaned

Date: 2/23/2008 **Responsible Party: City Manager's Office, Special Projects Coordinator**

GPHS Wetland Cleanup and Erosion Control Project

Grand Prairie High School Wetland Cleanup and Erosion Control Project. Educated volunteers about the affect of floatables on water quality. Explained the stormwater filtration capabilities of native grasses. Coordinated the transplant of native grasses from a different site to a hill near the pond to prevent erosion.

- 36 Volunteers
- 126 Volunteer Hours
- 373 lbs Litter Cleaned Up
- 40 lbs of Recyclables Sent for Recycling
- .5 Miles of Pond Bank Cleaned

Date: 3/1/2008 **Responsible Party: City Manager's Office, Special Projects Coordinator**

Beacon Branch Cleanup

Beacon Branch Adopt-A-Stream Cleanup with the Beacon Hill Homeowner's Association. Educated volunteers about the impact of floatables on water quality. Explained that it is important to leave the trees in the buffer zone, rather than chop them down so they can have a clear view. Talked about erosion control capabilities of tree roots and other vegetation and explained how the plants can help with stormwater filtration.

- 18 Volunteers
- 79.5 Volunteer Hours
- 1,339 lbs of Litter Picked Up
- .75 Miles of Creek Bank Cleaned

Date: 3/8/2008 **Responsible Party: City Manager's Office, Special Projects Coordinator**

Johnson Creek Cleanup

Johnson Creek Cleanup with Cub Scout Pack 381 and Adopt-A-Stream Members. Madiola Harper, family, and residents from the Fairfield

neighborhood. Educated volunteers about the impact of floatables on water quality.

24 Volunteers
99 Volunteer Hours
1,145 lbs of Litter Picked Up
.75 Miles of Creek Bank Cleaned

Date: 3/15/2008 **Responsible Party: City Manager's Office, Special Projects Coordinator**

Rodgers Branch Cleanup

Rodgers Branch Adopt-A-Stream Cleanup with the Westchester on the Creek Homeowners Association. Educated residents about the impact of floatables on water quality. Explained the importance of leaving vegetation along the stream bank for storm water filtration and erosion control – as opposed to clearing it away so you can see through across the creek from back yard to back yard.

31 Volunteers
120.5 Volunteer Hours
1,250 lbs of Litter Picked Up
.75 Miles of Creek Bank Cleaned Up

Date: 3/22/2008 **Responsible Party: City Manager's Office, Special Projects Coordinator**

Fish Creek Cleanup

Fish Creek Adopt-A-Stream Cleanup With the Oak Hollow-Sheffield Village Neighborhood Association. Educated volunteers about the importance of preventing floatables from getting into the creeks and the effects of floatables on water quality. Explained the importance of keeping trees and vegetation along the stream banks to filter stormwater and prevent erosion.

17 Volunteers
76 Volunteer Hours
2,178 lbs of Litter Picked Up
210 lbs of Recyclables Sent for Recycling
(4 Grocery Carts Sent for Recycling)
.75 Miles of Creek Bank Cleaned

| BMP | BMP Description | Measurable Goals | Responsibility | Target Date |
|---|--|---|--|--------------------|
| 2.10 Neighborhood Outreach Program | <p>Program encourages the involvement of neighborhood associations for the purpose of educating them about various concerns, including storm water related issues, and providing opportunities to participate in various neighborhood-specific projects that can impact water quality (ex. Clean and Beautiful Neighborhoods Program). (Also satisfies MCM 1).</p> | <p>1. Annually coordinate neighborhood projects, such as stream/wetland cleanups, tree planting projects and awareness events</p> | <p>City Manager's Office, Keep Grand Prairie Beautiful Program</p> | <p>Years 1 – 5</p> |

All activities for this BMP are complete for Year 1.

BMP 2.10 Activities Completed

Date: 8/16/2007 **Responsible Party: City Manager's Office, Special Projects Coordinator**

Amesbury Estates Clean & Beautiful Meeting

4 residents participated in this meeting. We discussed upcoming events. They decided to host a tree planting event and creek cleanup in the near future.

Date: 8/25/2007 **Responsible Party: City Manager's Office, Special Projects Coordinator**

Dalworth Link Clean & Beautiful Neighborhood Back to School Sidewalk Cleanup

The Dalworth Link Neighborhood Association met in the morning to organize a Back to School Sidewalk Cleanup. We discussed the importance of preventing the litter from entering the storm drains. 29 volunteers participated in this event.

Date: 8/30/2007 **Responsible Party: City Manager's Office, Special Projects Coordinator**

Amesbury Estates Homeowner's Association's Planning Tour

2 residents met with the city's Keep Grand Prairie Beautiful Coordinator to take a tour of the neighborhood and plan the creek cleanup and tree planting project.

Date: 3/1/2008 **Responsible Party: City Manager's Office, Special Projects Coordinator**

Clean & Beautiful Neighborhood Cleanup Event

Beacon Hill Homeowner's Association's Clean & Beautiful Neighborhood Sub-Committee hosted an Adopt-A-Stream Cleanup of the Beacon Branch. After the cleanup we hosted a free lunch during which we educated the homeowners about the importance of preventing floatables from entering the creeks and about the effects of floatables on water quality. Explained the importance of leaving the trees and grasses in the buffer zone and on the creek banks as they help filter stormwater pollution and prevent erosion. 18 Homeowners were present at this event.

Date: 3/7/2008 Responsible Party: City Manager's Office, Special Projects Coordinator

Clean & Beautiful Neighborhood Cleanup

The Fairfield Neighborhood Association's Clean & Beautiful Neighborhood Subcommittee hosted an Adopt-A-Stream cleanup of Johnson Creek. After the Cleanup, Keep Grand Prairie Beautiful hosted a luncheon for the volunteers during which we explained the importance of preventing floatables from entering the creek. We discussed the impact of floatables on water quality. We also talked about the importance of leaving the trees and native vegetation along the creek banks to filter stormwater pollution and to prevent erosion. 24 volunteers participated including homeowners and Boy Scouts from Troop 381.

Date: 3/15/2008 Responsible Party: City Manager's Office, Special Projects Coordinator

Westchester on the Creek Homeowner's Association

Keep Grand Prairie Beautiful partnered with the Westchester on the Creek Homeowner's Association's Clean & Beautiful Neighborhood Subcommittee to host an Adopt-A-Stream Cleanup of the Rodgers Branch. After the cleanup we hosted a luncheon during which we talked about the importance of preventing floatables from getting into the creeks. We also discussed the impact floatables can have on water quality. The topic of clearing trees along the stream bank came up, because the homeowners want to be able to see from their back yards across to the other side of the creek. We discussed the importance of leaving the trees and understory trees because they help to filter the stormwater pollution and they help to prevent erosion along the stream bank. 31 Homeowners participated in this event.

Date: 3/21/2008 Responsible Party: City Manager's Office, Special Projects Coordinator

Neighborhood Adopt-A-Stream Cleanup

Keep Grand Prairie Beautiful partnered with the Oak Hollow-Sheffield Village Neighborhood Association's Clean & Beautiful Neighborhood subcommittee to host an Adopt-A-Stream cleanup along Fish Creek. After the cleanup, we hosted a luncheon where we discussed the importance of preventing floatables from entering the creek. We also discussed the fact that the vegetation and trees along the stream bank help to prevent erosion and filter stormwater pollution. Another topic was the solid waste ordinances related to putting out your trash too early, such as the night before trash pickup. Homeowners that do so run the risk of having cats and dogs, possums and other wildlife coming and tearing the bags open and distributing trash around. We also discussed that dumping grass clippings along the stream bank is illegal dumping. We explained that grass clippings can prevent problems in streams by using oxygen that the fish and other water plants need. 17 Homeowners participated in this event.

| BMP | BMP Description | Measurable Goals | Responsibility | Target Date |
|--------------------------------------|--|---|---|--------------------|
| 2.11 School Outreach Programs | Partnership between the City's Keep Grand Prairie Beautiful Program and a local school district that encourages student and campus participation, fosters the development of campus clubs, and provides opportunities for involvement and education. | 1. Annually facilitate at least 10 activities for the campus programs | City Manager's Office, Keep Grand Prairie Beautiful Program | Years 1 – 5 |

All activities for this BMP are complete for Year 1.

BMP 2.11 Activities Completed

Date: 9/17/2007 **Responsible Party: City Manager's Office, Special Projects Coordinator**

Green & Clean Campus Kick-Off for the 2007-2008 School Year

Keep Grand Prairie Beautiful hosted a Kick-Off event in partnership with the Grand Prairie Independent School District for our Green & Clean Campus program. 74 people were in attendance.

Date: 10/29/2007 **Responsible Party: City Manager's Office, Special Projects Coordinator**

Green & Clean Campus Meeting

We discussed upcoming events, including Texas America Recycles Day and our spring Great American Cleanup program. 38 Green & Clean Campus Coordinators attended this meeting.

Date: 11/15/2007 **Responsible Party: City Manager's Office, Special Projects Coordinator**

Green & Clean Campus Texas America Recycles Day events

The events included information related to the re-use of items that might otherwise end up as trash and litter, such as plastic bags. One of the schools - Barbara Bush Elementary is launching an effort to reduce plastic bags all together. 6 GPISD schools and 1 private school hosted Texas America Recycles Day events.

Date: 1/24/2008 **Responsible Party: City Manager's Office, Special Projects Coordinator**

Green & Clean Campus Meeting

We discussed the Great American Cleanup and the Adopt-A-Street and Adopt-A-Stream Programs. Recruited schools to host events this spring. 46 Green & Clean Campus Coordinators attended this meeting.

Date: 3/10/2008

Responsible Party: City Manager's Office, Special Projects Coordinator

Green & Clean Campus Meeting

We discussed the fact that Adopt-A-Street memberships are effective March 9, 2008, through March 8, 2009. March 9 is International Adopt-A-Highway Day. We discussed the Great American Cleanup effort from March 1 - May 31, 2008. Green & Clean Campuses were encouraged to host litter cleanup events during that time frame and especially on Saturday, April 5, 2008, and on Earth Day weekend - Saturday, April 19. We also discussed the upcoming MayFest event which would have an emphasis on water quality. 39 Green & Clean Campus Coordinators attended this meeting.

Date: 3/12/2008

Responsible Party: City Manager's Office, Special Projects Coordinator

Green & Clean Campus Recognition Event at the GPSD School Board Meeting

We recognized the following schools for winning National Awards for Litter Prevention, Recycling and Community Improvement from Keep America Beautiful: Grand Prairie High School, Dickinson Elementary, David Daniels Elementary, and Reagan Middle School. 23 students and faculty related to the Green & Clean Campus Program attended this event which was broadcasted to the public.

Date: 4/5/2008

Responsible Party: City Manager's Office, Special Projects Coordinator

Green & Clean Campus Great American Cleanup Main Event Day

The following schools hosted litter cleanup and/or beautification projects: Bowie Elementary, Daniels Elementary Academy, Adams Middle School, Reagan Middle School, Dickinson Elementary, Grand Prairie High School, Travis Elementary, and Houston Elementary. After the cleanups, Keep Grand Prairie Beautiful hosted a Post-Cleanup Party at Bowles Park with Radio Disney. 450+ people attended the party.

Date: 4/14/2008

Responsible Party: City Manager's Office, Special Projects Coordinator

Green & Clean Campus Meeting

We discussed the maintenance of the Outdoor Schoolyard Habitats and Gardens during the summer, the upcoming Solid Waste Grant, and the needs that we have to sustain the program. Several schools are submitting Keep Texas Beautiful Award applications for their litter prevention, waste minimization and community improvement efforts. We also discussed summer continuing education training, including Real School Gardens training at Dickinson Elementary. 37 Green & Clean Campus Coordinators attended this meeting

Date: 4/18/2008

Responsible Party: City Manager's Office, Special Projects Coordinator

Daniels Elementary Academy Earth Day Parade

460 students, faculty and community members participated in an Earth Day parade through the Dalworth neighborhood.

Date: 4/19/2008

Responsible Party: City Manager's Office, Special Projects Coordinator

Green & Clean Campus Earth Day Events

and operators, City Council Members and a State Representative.

Date: 9/5/2007 **Responsible Party: City Manager's Office, Special Projects Coordinator**

Clean Company Program with the Chamber of Commerce President to plan upcoming awards event and cleanup and recycling events.

Date: 11/15/2007 **Responsible Party: City Manager's Office, Special Projects Coordinator**

Texas America Recycles Day Event

Clean Company Luncheon recognizing our Clean Company members and recruiting new members. The following 8 new Clean Company members joined on 11-15-07: American Eurocopter, 303 Animal Clinic, Texas Trust Credit Union, Fox Hollow Apartments, Immaculate Conception Church, Grand Bank, Grand Prairie United Charities, and Round 2 Technologies.

Date: 2/15/2008 **Responsible Party: City Manager's Office, Special Projects Coordinator**

Clean Company Meeting

Met with representatives of the Clean Company Program. Promoted the Great American Cleanup events scheduled from March 1 - May 31, 2008. 21 Clean Company Coordinators were in attendance. Distributed Clean Company trash cans and recycling containers. Distributed and discussed the required annual Litter Survey due back on May 30, 2008.

Date: 6/5/2008 **Responsible Party: City Manager's Office, Special Projects Coordinator**

Clean Company Meeting

Met with representatives of Clean Companies. Discussed the Green & Clean Builder Program which is an initiative of the Clean Company Program. The Green & Clean Builder program encourages builders to have litter free construction sites and to use green building materials, to recycle on site and to use energy efficient appliances. Discussed the latest Solid Waste grant opportunity and needs to sustain the program. 17 Clean Company Coordinators attended this meeting.

| BMP | BMP Description | Measurable Goals | Responsibility | Target Date |
|--|--|---|---|--------------------|
| 2.13 Poster and Picture Contest | Host a poster and picture contest for GPISD students to encourage environmental stewardship and education. | 1. Host a poster and picture contest for GPISD students | Environmental Services Department, Environmental Quality Division | Year 1 |

All activities for this BMP are complete for Year 1.

BMP 2.13 Activities Completed

Date: 5/10/2008

Responsible Party: Echo Rexroad, Sr. Environmental Specialist

Trinity River Poster Contest

A poster contest was held for all Grand Prairie ISD kindergarten through 5th grade students. Posters were to show what people can do to protect the Trinity River from pollution. The winners (1st, 2nd, and 5 Runner-up) were announced and their work was displayed during MayFest 2008. Winners also received gift cards.

Date: 5/10/2008

Responsible Party: Echo Rexroad, Sr. Environmental Specialist

Trinity River Water Art Contest

An art contest was held for all Grand Prairie ISD Middle School and High School Students. All type of projects were accepted (i.e. photographs, paintings, drawings, sculptures, models, etc.) The winners (1st, 2nd, and 3 Runner-up) were announced and their work was displayed during MayFest. Winners also received gift cards.

| BMP | BMP Description | Measurable Goals | Responsibility | Target Date |
|--|--|--|-------------------------------------|--------------------|
| 2.14 Request for Drainage and Design Comments | Request comments from environmental consultant on revisions to drainage and design manual. | 1. Request and receive comments on revisions to drainage and design manual | Planning and Development Department | Years 2 – 5 |

Implementation of BMP 2.14 does not occur until Year 2.

| BMP | BMP Description | Measurable Goals | Responsibility | Target Date |
|---|--|---|---|--------------------|
| 2.15 Household Hazardous Waste (HHW) Collection Events | Encourage citizens to dispose of HHW properly by participating in city hosted events | <ol style="list-style-type: none"> Maintain contract with Fort Worth annually to allow Grand Prairie citizens to drop off HHW at the Environmental collection center Annually hold at least 1 HHW collection event in Grand Prairie | Environmental Services Department, Environmental Quality Division | Years 1 – 5 |

All activities for this BMP are complete for Year 1.

BMP 2.15 Activities Completed

Date: 8/1/2007 **Responsible Party: Environmental Quality Division**

Contract with Fort Worth

The City of Grand Prairie has maintained a contract with the Fort Worth Environmental Collection Center for the proper disposal of household hazardous waste. This contract allows City of Grand Prairie residents to dispose of their household hazardous waste during the regular operating hours of the collection center. In addition, the Environmental Quality Division takes all household hazardous waste collected during HHW events to the collection center.

Date: 10/6/2007 **Responsible Party: Environmental Quality Division**

HHW Events

The Environmental Quality Division held seven (7) Household Hazardous Waste events throughout the period of October 6, 2007 through June 14, 2008. During this time 794 residents participated in the events.

| BMP | BMP Description | Measurable Goals | Responsibility | Target Date |
|--|--|--|---|--------------------|
| 2.16 Annual Environmental Compliance Achievement Awards | Encourage industrial facilities to obtain industrial permit as required by the SIC code. | 1. Annually recognize facilities who achieve 100% compliance | Environmental Services Department, Environmental Quality Division | Years 1 – 5 |

All activities for this BMP are complete for Year 1.

BMP 2.16 Activities Completed

Date: 9/26/2007 **Responsible Party: Environmental Quality Division**

2007 Annual Compliance Awards

The following businesses were recognized in the Fall H2O Line and given 100% Compliance Awards at the 2007 Environmental Compliance Annual Awards Ceremony: ABC Compounding, American Animal Health, American Eurocopter, Composite Technology, Grand Prairie Accessory Services, Harris Manufacturing, Keystone Circuit Boards, Lockheed Martin - SW 14th St., Lockheed Martin - Shook Facility, North Texas Circuit Boards, Poly America, Pratt & Whitney - 1174, Pratt & Whitney - 1177, Rheaco, Inc., Siemens Energy & Automation, Smurfit Stone Container, Solvay Engineered Polymers, Strayer-Voigt, Turbomeca/Microturbo, Valspar Coatings, Vecta, and Weyerhaeuser Box Plant.

| BMP | BMP Description | Measurable Goals | Responsibility | Target Date |
|--|---|---|---|--------------------|
| 2.17 Auto Related Business (ARB) and Industrial Facility Mailing List | Maintain mailing list of ARB and industrial facilities and mail out informative material. | 1. Annually mail information regarding storm water BMPs | Environmental Services Department, Environmental Quality Division | Years 1–5 |

All activities for this BMP are complete for Year 1.

BMP 2.17 Activities Completed

Date: 8/13/2007 **Responsible Party: Environmental Quality Division**

Distribution Lists

The City currently distributes the H2O Line to over 200 contacts via email using a maintained e-mail contact list. In addition, the Auto Watch is distributed to approximately 440 contacts using a maintained mailing list.

| BMP | BMP Description | Measurable Goals | Responsibility | Target Date |
|-------------------------------|---|----------------------------------|---|--------------------|
| 2.18 Rain Barrel Class | Conduct a class that instructs citizens on how to make a rain barrel that will collect and recycle rainwater. | 1. Conduct one Rain Barrel class | Environmental Services Department, Solid Waste Division | Year 1 |

All activities for this BMP are complete for Year 1.

BMP 2.18 Activities Completed

Date: 11/5/2006 **Responsible Party: Public Works Department**

Make it and take it, rainwater barrel class

Taught participants how to collect and recycle rainwater in a handmade rain barrel using a large plastic drum, a few parts, and basic tools. 24 participants.

Date: 1/16/2007 **Responsible Party: Solid Waste Division**

Rain Barrel Making Class

Taught participants how to collect and recycle rainwater in a handmade rain barrel using a large plastic drum, a few parts, and basic tools. 14

participants.

Date: 3/20/2007

Responsible Party: Solid Waste Division

Rain Barrel Making Class

Taught participants how to collect and recycle rainwater in a handmade rain barrel using a large plastic drum, a few parts, and basic tools. 18 participants.

Date: 5/22/2008

Responsible Party: Solid Waste Division

Rain Barrel Class

Taught participants how to collect and recycle rainwater in a handmade rain barrel using a large plastic drum, a few parts, and basic tools. 5 participants.

MCM 3: Illicit Discharge Detection & Elimination

| BMP | BMP Description | Measurable Goals | Responsibility | Target Date |
|---|---|--|---|---|
| 3.1 Create a GIS Database of the MS4 | Create an updated map of the locations of all outfalls and the names of all receiving US Waters, and provide the source(s) of information used to develop and update the map. | 1. Review of the current drainage system map and addition of new growth once per year 2. Field verify 20% per year of all city stream miles for storm drain outfall locations | Environmental Services Department, Environmental Quality Division and Information Technology Department, GIS Division | Year 1 – 5 Years 1 – 5 |

All activities for this BMP are complete for Year 1.

BMP 3.1_Activities Completed

Date: 2/15/2007

Responsible Party: GIS Division

Year 1 MS4 Database

The outfall map with receiving US Waters is continuously reviewed and updated primarily using Engineering asbuilts and then error-corrected using orthographic photos (aerials). Differences noted in the field are reported back and print corrected. Outfall locations are also field verified by Engineering and GIS staff using Global Positioning System. From February 15, 2007 to April 29, 2008, 891 outfalls were

field verified (Appendix B). This comprises 70% of the City's outfalls.

Date: 7/1/2008 **Responsible Party: Environmental Quality Division**

Storm Drainage Map Book

Created Storm Drainage Map Book using GIS database of our MS4. Map includes curb inlets, grate inlets, under drain inlets, Y-inlets, discharge points, storm drain lines, rivers, creeks, contours, and direction of flow. Book was distributed to Environmental Quality staff for use during inspections, spills, sanitary sewer overflows, and on an as needed basis.

| BMP | BMP Description | Measurable Goals | Responsibility | Target Date |
|-------------------------------|--|------------------------------------|-----------------------------------|--------------------|
| 3.2 Complaint Database | A database is kept of all citizen complaints regarding illicit discharges. | 1. Maintain the complaint database | Environmental Services Department | Years 1 – 5 |

All activities for this BMP are complete for Year 1.

BMP 3.2 Activities Completed

Date: 8/1/2007 **Responsible Party: Environmental Quality Division**

Access and Garrison

The Environmental Quality Division used Access to track all residential complaints from August 2007 to January 2008. From February of 2008 to the present, all stormwater complaints have been maintained in Garrison, a web based database.

| BMP | BMP Description | Measurable Goals | Responsibility | Target Date |
|-------------------------------|--|---|-----------------------------------|--------------------|
| 3.3 Complaint Response | All citizen complaints are to be investigated. | 1. Maintain a response of 80% within 5 days | Environmental Services Department | Years 1 – 5 |

All activities for this BMP are complete for Year 1.

BMP 3.3 Activities Completed

Date: 8/1/2007 **Responsible Party: Environmental Quality Division**

Investigate Complaints

The Environmental Quality Division investigated well over 80% of residential complaints within five (5) working days in Year 1.

| BMP | BMP Description | Measurable Goals | Responsibility | Target Date |
|---------------------------|---|-----------------------------------|-----------------------------------|--------------------|
| 3.4 Spill Response | Coordinate with the Fire Department on emergency spill response, using a private contractor for clean-up and remediation. | 1. Continue response and training | Environmental Services Department | Years 1 – 5 |

All activities for this BMP are complete for Year 1.

BMP 3.4 Activities Completed

Date: 8/1/2007 **Responsible Party: Environmental Quality Division**

Specialist Response

Environmental Specialists from the Environmental Quality Division respond to spills, sanitary sewer overflows, and other environmental hazards 24 hours a day, 365 days a year. Specialists are continuously educated through monthly emergency responders meetings and through peer to peer training.

Date: 4/17/2008 **Responsible Party: Environmental Quality Division**

Eagle Construction and Environmental Services

The Environmental Quality Division currently has a 1-year contract, effective April 18, 2008, with Eagle Construction and Environmental Services LP for hazardous materials emergency response.

| BMP | BMP Description | Measurable Goals | Responsibility | Target Date |
|--|--|--|---|--------------------|
| 3.5 Building Project Review Process | Environmental Specialist reviews and inspects for any illicit connections or water quality hazards during the building project review process. | 1. Continue to review at least 80% of new construction plans for water quality hazards 2. Continue to inspect at least 80% of Certificates of Occupancy that have a potential to impact storm water | Environmental Services Department, Environmental Quality Division | Years 1 – 5 |

All activities for this BMP are complete for Year 1.

BMP 3.5 Activities Completed

Date: 8/13/2007 **Responsible Party: Environmental Quality Division**

Certificate of Occupancy Inspections

The Environmental Quality Division received 703 Certificate of Occupancy applications in Year 1. 100% of the COs with the potential to impact stormwater were inspected for water quality hazards.

Date: 8/13/2007 **Responsible Party: Environmental Quality Division**

Plans Reviewed

The Environmental Quality Division received 489 Building Projects in Year 1. 100% of the Projects with the potential to impact stormwater were reviewed for water quality hazards.

| BMP | BMP Description | Measurable Goals | Responsibility | Target Date |
|---------------------------------|---|--|---|--------------------|
| 3.6 Clean Rivers Program | Participate in CRP by conducting monthly stream monitoring of 10 sites within or near the city limits. Atypical results have been investigated for illicit discharge. | 1. Participate in CRP and monitor and investigate for atypical results monthly | Environmental Services Department, Environmental Quality Division | Years 1 – 5 |

All activities for this BMP are complete for Year 1.

BMP 3.6 Activities Completed

Date: 8/1/2007 **Responsible Party: Environmental Quality Division**

Stream Monitoring

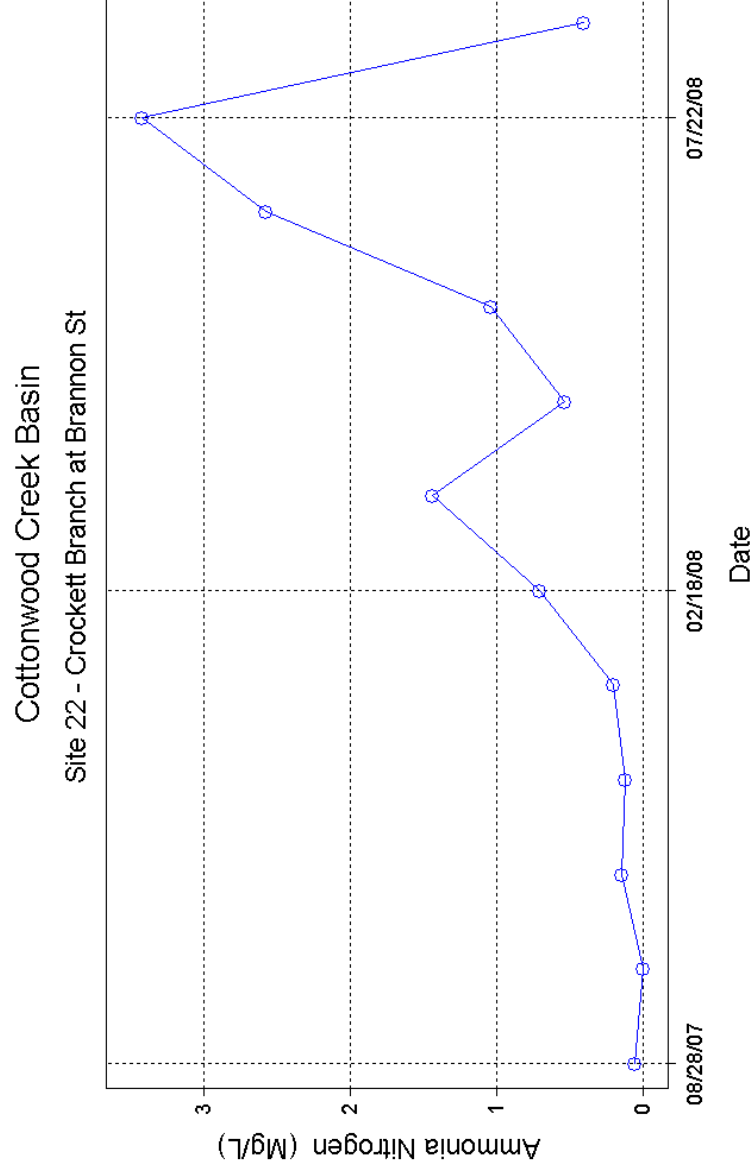
The Environmental Quality Division has voluntarily conducted stream sampling since 1986. Currently, 22 stream sites are sampled on a monthly, quarterly, and annual basis. The data collected during these monitoring events is used to detect and eliminate illicit discharges or other threats to human and environmental health. Atypical results are identified, researched, and resolved. In addition, this stream monitoring data is provided to the Clean Rivers Program for quality monitoring, assessment, and public outreach. The Clean Rivers Program has made this data available on the TCEQ Web site which may be found at the following location: <http://www8.tceq.state.tx.us/SwqmisWeb/public/index.faces>

A monthly summary of the stream sampling data collected from August 2007 to July 2008 is attached in Appendix C. A few areas of concern were identified after the sampling results were obtained. This information was used to more closely examine the areas in the respective watersheds and identify unauthorized discharges. The following is a summary of the actions taken to mitigate atypical stream sampling results.

- During the June 2008 monthly stream sampling, higher than normal ammonia nitrogen readings were observed in Site 22 located at Crockett Branch at Brannon Street in the Cottonwood Creek basin (Figure 5). This was indicative of waste water discharge into Crockett Creek. A closer examination of this area surrounded by businesses and restaurants identified a restaurant “El Rio Grande Supermercado” located at 215 S. Center Street as the source of this discharge. The grease traps were overflowing as they were not pumping out the tanks. As an immediate action, Water Utilities pumped the stream to the Waste Water line until a target ammonia level of 0.5 Mg/L was reached.

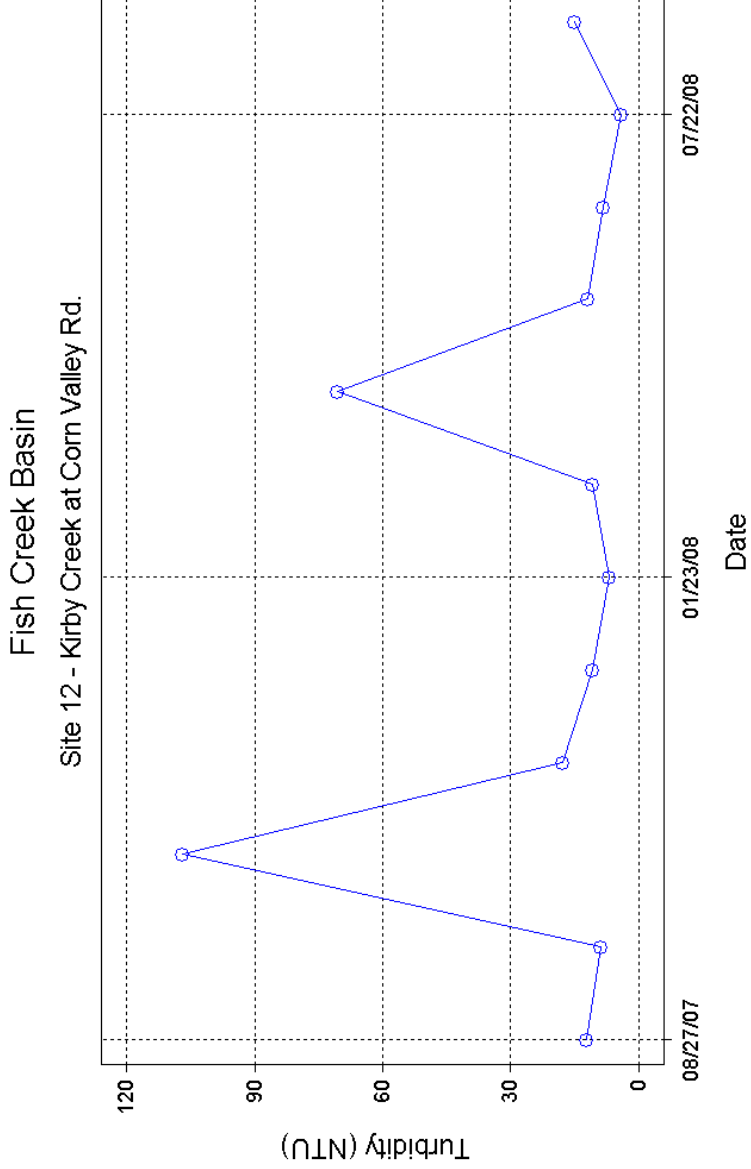
After gaining the attention of the business with citations issued in concert with the health department, the tank was pumped and traps cleaned. There was a temporary rise in July when the action was in progress. The ammonia readings have now reached normal levels.

Figure 5: Ammonia Nitrogen (Mg/L) at Crockett Branch and Brannon St.



- During the monthly stream sampling in October 2007, higher than normal turbidity readings were observed in Site 12 located at Kirby Creek and Corn Valley in the Fish Creek basin (Figure 6). This was traced to the earth work related to the construction of a concrete box culvert in the area as a part of the drainage improvements in this residential area. The contractor made improvements to the sediment control measures to minimize the impact. There was again a spike in the turbidity readings in March 2008 during the second phase of this construction, which was controlled by the next month. These improvements are likely to result in an overall improvement in the stormwater quality in this area.

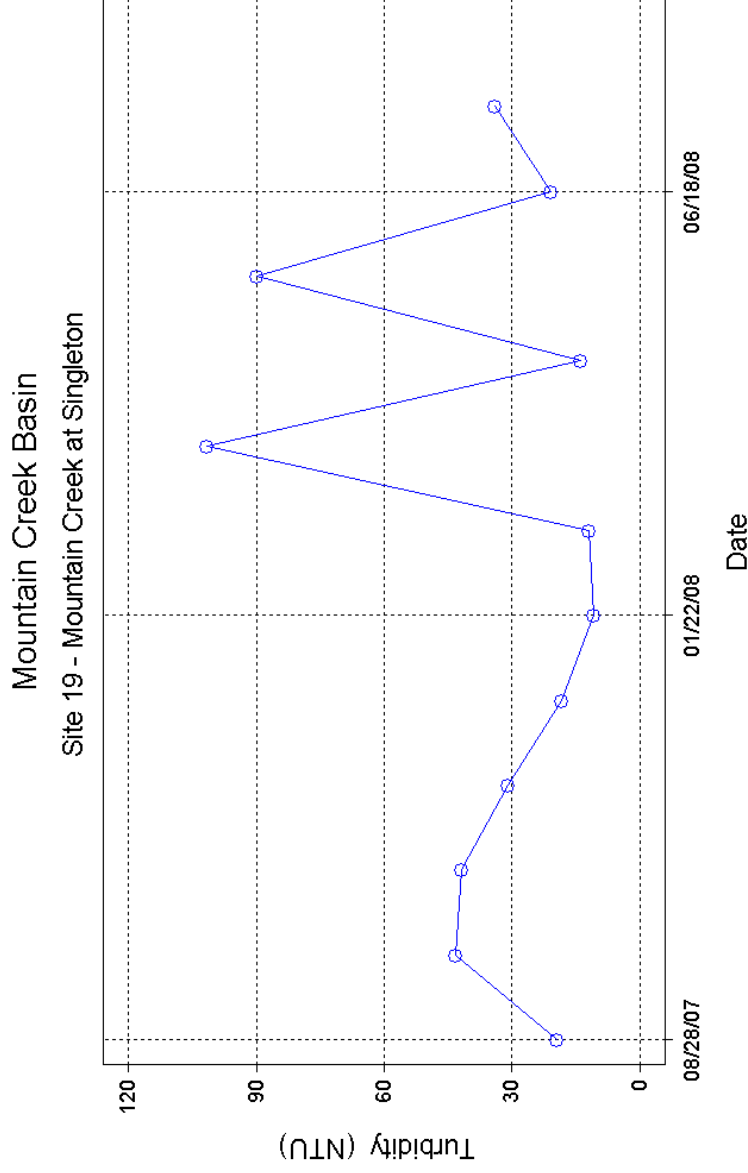
Figure 6: Turbidity (NTU) at Kirby Creek and Corn Valley Rd.



- During the monthly stream sampling in March 2008, higher than normal turbidity readings were observed in Site 19 located at Mountain Creek and Singleton in the Mountain Creek basin (Figure 7). This was traced to the earth work related to the construction of a new waste water line and drainage improvements in the area by Dallas Water Utilities. This was brought to the attention of the Dallas Water Utilities contractor who made improvements to the sediment control measures. There was again a spike in May 2008

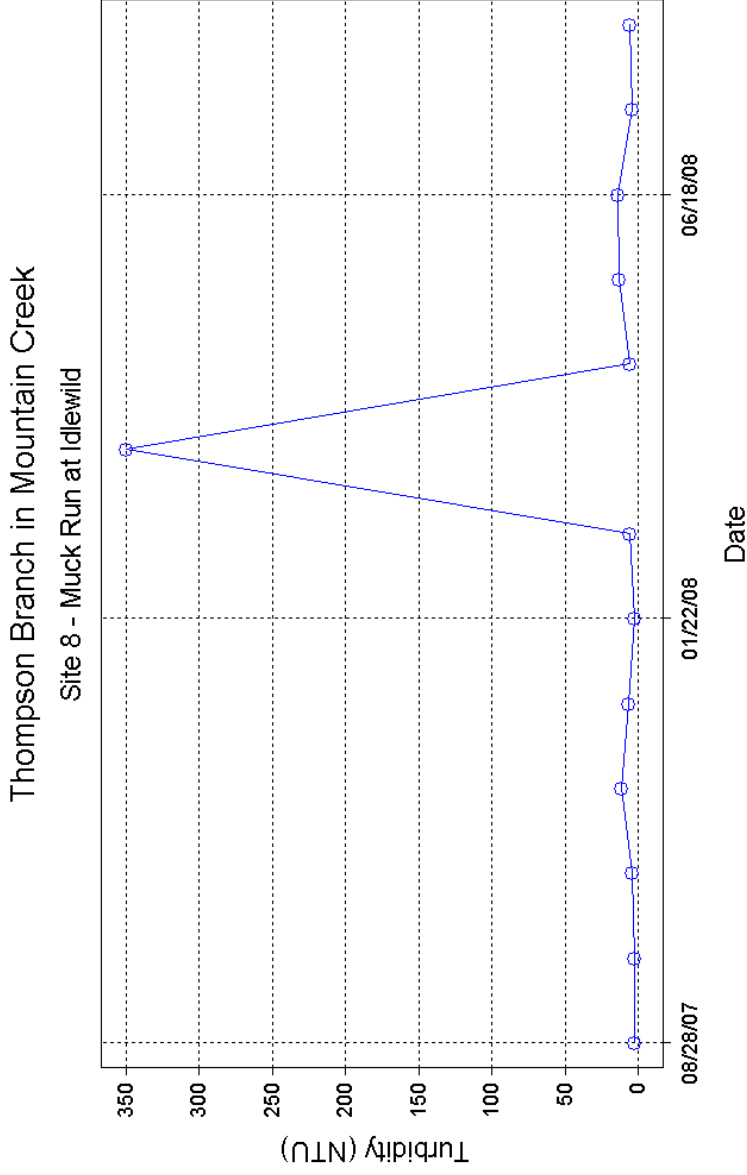
during the second phase of this construction which has now been controlled. Improvements have been made in the steep banks with additional vegetation and erosion control measures, which are likely to improve stormwater quality in this area

Figure 7: Turbidity (NTU) at Mountain Creek and Singleton



- During the monthly stream sampling in March 2008, higher than normal turbidity readings were observed in Site 8 located at Muck Run and Idlewild in the Thompson branch of the Mountain Creek basin (Figure 8). This was traced to construction related to the Army Reserve base in the area. This was brought to the attention of the contractor, who made improvements to the sediment control measures. The owner of the nearby property, Mobile Caterers and volunteers from Keep Grand Prairie Beautiful, cleaned up the embankments in the area. The turbidity readings are back to normal levels.

Figure 8: Turbidity (NTU) at Muck Run and Idlewild



| BMP | BMP Description | Measurable Goals | Responsibility | Target Date |
|--|---|--|--|--------------------|
| 3.7 Sanitary Sewer Overflow Response Plan | Follow the plan created and implemented for the response of Water Utilities and Environmental Services to SSOs. ESD's response ensures the protection of the waterways through professional advice and field testing. | 1. Maintain the plan for Water Utilities and Environmental Services to respond all to SSOs | Environmental Services Department, Public Works Department, Water Utilities Division | Years 2 – 5 |

The City has exceeded the goal for BMP 3.7. No activities are scheduled for Year 1; however, Water Utilities and the Environmental Quality Division have an SSO response plan in place.

BMP 3.7 Activities Completed

Date: 8/1/2007

Responsible Party: Environmental Quality Division

Standard Operating Procedures

The City's Water Utility and Environmental Quality Divisions respond to all sanitary sewer overflows by following a Standard Operating Procedure. Water Utility's responsibilities include, but are not limited to, cleaning, containing, and recovering sewage, and clearing, repairing, and/or replacing pipeline failures. Environmental Quality Division's responsibilities include, but are not limited to, noting visual observations and sampling for Ammonia Nitrogen in receiving waterbodies (if applicable). Water Utility and Environmental Quality work together to determine the cause of the overflow and the appropriate clean up response.

| BMP | BMP Description | Measurable Goals | Responsibility | Target Date |
|--|---|---|---|---------------------------|
| 3.8 Illicit Discharge Awareness Campaign for City Employees, Businesses, and General Public | Utilize training developed by NCTCOG for informing public employees, businesses, and the general public of hazards associated with illegal discharges and improper disposal of waste. (This BMP also addresses the minimum control measure for public education.) | <ol style="list-style-type: none"> 1. Acquire and format NCTCOG Storm Water training materials and determine an effective means of distribution 2. Distribute materials to city employees and 33% of potential polluting businesses and general public annually | Environmental Services Department, Environmental Quality Division | Year 2 Years 3 – 5 |

The City has exceeded the goal for BMP 3.8. No activities are scheduled for Year 1; however, the Environmental Quality Division purchased IDDE training materials. The City will continue to search for additional training materials and distribute the materials appropriately.

BMP 3.8 Activities Completed

Date: 5/13/2008

Responsible Party: Environmental Quality Division

Preventing Storm Water Pollution: What We Can Do

The City purchased "Preventing Storm Water Pollution: What We Can Do - Municipal Employee Training Video" from North Central Texas Council of Governments. The video highlights specific BMPs City employees need to implement in order to avoid stormwater pollution.

Date: 7/25/2008

Responsible Party: Environmental Quality Division

New Employee Orientation Training

Presented "Preventing Storm Water Pollution: What We Can Do" video to 37 new City employees during the New Employee Orientation.

| BMP | BMP Description | Measurable Goals | Responsibility | Target Date |
|----------------------------------|---|---|---|--|
| 3.9 Storm Water Ordinance | Develop a storm water ordinance to effectively prohibit non-storm water discharges into the storm sewer system and implement enforcement procedures and actions. (Refer to BMP 2.6) Include a description of local controls and conditions established for common and incidental non-storm water discharges not considered illicit. | <ol style="list-style-type: none"> 1. Develop a draft ordinance 2. Finalize ordinance 3. Implement ordinance | Environmental Services Department, Environmental Quality Division | <p>Year 1</p> <p>Year 2</p> <p>Years 3 – 5</p> |

All activities for this BMP are complete for Year 1.

BMP 3.9 Activities Completed

Date: 5/28/2008 **Responsible Party: Environmental Quality Division**

Draft Ordinance

A draft of the City's Stormwater Ordinance was completed in Year 1. The ordinance includes the following sections: 1) Statement of Purpose, 2) Scope of Article, 3) Abbreviations, 4) Definitions, 5) General Prohibitions and Requirements, 7) Stormwater Discharge Associated with Construction Activity, 8) Post-Construction Prohibitions, 9) Stormwater Discharge Prohibitions Associated with Industrial Activity, 10) Watercourse Protection, 11) Spills, 12) Right of Entry, 13) Punishment For Violations and Other Remedies, 14) Right of Revision, 15) Search Warrants, 16) Responsibility for Cleanup Costs and Damages, 17) Remedies Nonexclusive, 18) Administrative Liability, and 19) Stormwater Charges and Fees.

| BMP | BMP Description | Measurable Goals | Responsibility | Target Date |
|---|--|--|---|---------------------------------------|
| 3.10 Storm Water Industrial Inspection Program | Require that facilities comply with any NPDES or TPDES storm water permit applicable under the SIC code. | <ol style="list-style-type: none"> 1. Continue to provide 75% of industries the applications for coverage, when applicable 2. Enforce failure to apply for or obtain permit coverage | Environmental Services Department, Environmental Quality Division | <p>Years 1 – 2</p> <p>Years 3 – 5</p> |

3. Perform inspections once every 3 years

All activities for this BMP are complete for Year 1.

BMP 3.10 Activities Completed

Date: 8/13/2007 **Responsible Party: Environmental Quality Division**

Applications for Coverage

100% of industries were provided applications for NPDES or TPDES coverage, when applicable.

| BMP | BMP Description | Measurable Goals | Responsibility | Target Date |
|---|--|--|---|---------------------------|
| 3.11 Illicit Detection of Commercial and Industrial Floatables | Promote the elimination of floatables from commercial and industrial facilities through inspection activities. (Refer to BMP 1.9). | <ol style="list-style-type: none"> 1. Add floatables and litter control to the health compliance checklist 2. Enforce efforts to remove floatables through issuance of Notice of Violations and citations for non-compliance | Environmental Services Department, Environmental Quality Division | Year 2 Years 2 – 5 |

The City has exceeded the goal for BMP 3.11. No activities are scheduled for Year 1; however, the Environmental Quality Division included floatables and litter control to the health compliance checklist.

BMP 3.11 Activities Completed

Date: 1/31/2007 **Responsible Party: Environmental Quality Division**

Food Establishment Inspection Report

Environmental Specialists inspect food establishments for "scattering litter or garbage on the ground surface." This is item number 28 on the City's Food Establishment Inspection Report checklist.

| BMP | BMP Description | Measurable Goals | Responsibility | Target Date |
|---------------------------------------|--|--|---|--------------------|
| 3.12 Litter Collection Program | Keeping the major through fares clean and free of litter will reduce the amount of floatables that reach water ways. A contractor is employed to clear litter from these roadways. | 1. Remove litter from major through fares weekly | Environmental Services Department, Solid Waste Division | Years 1 – 5 |

All activities for this BMP are complete for Year 1.

BMP 3.12 Activities Completed

Date: 8/1/2007 **Responsible Party: Solid Waste Division**

Litter Collection

The City of Grand Prairie has a litter collection contract with Grand Prairie Disposal, DBA Republic Waste Services of Texas, Ltd. Litter from major through fares are removed on a weekly basis.

| BMP | BMP Description | Measurable Goals | Responsibility | Target Date |
|--------------------------------------|--|--|--|--------------------|
| 3.13 Illegal Dumping Clean-Up | Cleaning up debris in a timely fashion reduces the amount of illegal dumping. The city investigates all illegal dumping and ensures the removal of debris. | 1. Continue efforts to remove all illegally dumped debris at least 30 days from the day the violation was reported | Planning and Development Department, Code Enforcement Division | Years 1 – 5 |

All activities for this BMP are complete for Year 1.

BMP 3.13 Activities Completed

Date: 8/13/2007 **Responsible Party: Code Enforcement Division**

Illegal Dumping Response

The City responded to over 180 illegal dumping complaints from August 13, 2007 to August 12, 2008. Complaints included illegally dumped brush, trash, tires, furniture, hazardous waste, etc. Once on site, City staff cleaned up the debris or required the property owner or responsible party to do so. Citations and warnings were issued as necessary.

| BMP | BMP Description | Measurable Goals | Responsibility | Target Date |
|--|---|---|--|--|
| 3.14 Source Assessment for Floatables | A study of contributing sources of floatables will be used in source abatement. This might include an assessment of materials from clean-ups, an assessment of illegal dumps, or other similar studies. | <ol style="list-style-type: none"> 1. Develop a plan 2. Conduct an assessment of floatables 3. Compile assessment results and analyze data 4. Use assessment in re-focus of education efforts and enforcement efforts | Environmental Services, Environmental Quality Division | <p>Year 2</p> <p>Years 3</p> <p>Year 4</p> <p>Year 5</p> |

Implementation of BMP 3.14 does not occur until Year 2.

| BMP | BMP Description | Measurable Goals | Responsibility | Target Date |
|---|---|--|---|---|
| 3.15 Illicit Discharge Detection and Elimination | Develop a program to detect and address non-storm water discharges, including illegal dumping, into the storm sewer system. Standard operating procedures will be developed for the detection of and elimination of illicit discharges. | <ol style="list-style-type: none"> 1. Identify additional program requirements and resource/ training needs 2. Create a project plan and an assessment, enforcement, and elimination process and acquire needed resources 3. Conduct dry weather screening of 20% of city's outfalls per year | Environmental Services Department, Environmental Quality Division | <p>Year 2</p> <p>Year 3</p> <p>Year 1 – 5</p> |

The City exceeded the goal for BMP 3.15. The goal states that twenty percent (20%) of outfalls would be inspected; however, seventy percent (70%) of outfalls were inspected in Year 1.

BMP 3.15 Activities Completed

Date: 2/15/2007

Responsible Party: Engineering Division

Dry Weather Screening

Seventy percent (70%) of the City's outfalls were inspected for anomalies from February 15, 2007 to April 29, 2008. This makes up 891 of the City's outfalls. The inspector looked for and reported issues such as erosion, siltation, debris, vegetation, structure damage, and illicit discharges.

| BMP | BMP Description | Measurable Goals | Responsibility | Target Date |
|--|---|--|---|---|
| 3.16 Joe Pool Lake Reservoir Surface Water Sampling | Sample the inlets of the reservoir that are influenced by the city's MS4 to determine the water quality of the MS4 at this sensitive water supply system. | <ol style="list-style-type: none">Determine at least 3 sampling pointsAcquire needed supplies for samplingMonitor selected inlets annually | Environmental Services Department, Environmental Quality Division | Year 2 Year 3 Years 4 – 5 |

Implementation of BMP 3.16 does not occur until Year 2.

| BMP | BMP Description | Measurable Goals | Responsibility | Target Date |
|------------------------------------|---|--|---|--------------------|
| 3.17 Beach Sampling Program | Help reduce health risk to the visitors of Joe Pool Lake swim beaches by minimizing the public's exposure to diseases in the water. | <ol style="list-style-type: none">Follow an SOP for beach sampling once a month during the summer or swimming months | Environmental Services Department, Environmental Quality Division | Years 1 – 5 |

All activities for this BMP are complete for Year 1.

BMP 3.17 Activities Completed

Date: 8/1/2007 **Responsible Party:** T Sury, Environmental Specialist

Beach Sampling SOP

The beach sampling standard operating procedure is followed during sampling events.

Date: 8/20/2007 **Responsible Party: T Sury, Environmental Specialist**

Table 2 is a summary of the sampling data collected at Loyd Park in Year 1.

Table 2: Results for Loyd Park Beach Sampling

| | | | | | | |
|-----------|--|------------------------------------|---|------------------------------------|---|------------------------------------|
| 8/20/2007 | Loyd Park West Loyd Park Middle Loyd Park East | E.COLI <4 E.COLI <4 E.COLI 4 | 9/24/2007 Loyd Park West Loyd Park Middle Loyd Park East | E.COLI 24 E.COLI 12 E.COLI 4 | 5/27/2008 Loyd Park West Loyd Park Middle Loyd Park East | E.COLI 8 E.COLI 29 E.COLI 22 |
| 6/24/2008 | Loyd Park West Loyd Park Middle Loyd Park East | E.COLI 8 E.COLI 13 E.COLI 6 | 7/30/2008 Loyd Park West Loyd Park Middle Loyd Park East | E.COLI <2 E.COLI 2 E.COLI <2 | 8/26/2008 Loyd Park West Loyd Park Middle Loyd Park East | E.COLI <2 E.COLI 2 E.COLI 2 |

Geom Mean E.Coli = 5.39

Notes

1. Results that are less than reportable limits are conservatively treated as being at detectable limits. e.g. <2 is 2.
2. The spike in May 2008 is attributable to rain events just prior to the sampling. The moderate spike in Sep 2007 is due to unknown reasons. The results however are well within the limits for contact recreation, 200 MPN/100ml for single samples and 126 MPN/100ML for Geometric Mean. The results are indicative of an acceptable water quality for contact recreation.

Date: 8/20/2007 **Responsible Party: T Sury, Environmental Specialist**

Table 3 is a summary of the sampling data collected at Lynn Creek in Year 1.

Table 3: Results for Lynn Creek Beach Sampling

| | | | | | | |
|-----------|---|-----------------------------------|--|------------------------------------|--|------------------------------------|
| 8/20/2007 | Lynn Creek Park West Lynn Creek Park Middle LynnCreek Park East | E COLI 4 E COLI 38 E COLI 4 | 9/24/2007 Lynn Creek Park West Lynn Creek Park Middle LynnCreek Park East | E COLI <2 E COLI 2 E COLI 6 | 5/27/2008 Lynn Creek Park West Lynn Creek Park Middle LynnCreek Park East | E COLI 17 E COLI 15 E COLI 8 |
| 6/24/2008 | Lynn Creek Park West Lynn Creek Park Middle LynnCreek Park East | E COLI 6 E COLI 8 E COLI 24 | 7/30/2008 Lynn Creek Park West Lynn Creek Park Middle LynnCreek Park East | E COLI 4 E COLI 13 E COLI 19 | 8/26/2008 Lynn Creek Park West Lynn Creek Park Middle LynnCreek Park East | E COLI 19 E COLI 6 E COLI 13 |

Notes

1. Results that are less than reportable limits are treated as being detected at reportable limits. e.g. <2 is 2.
2. E.coli is the indicator criteria for contact recreation. he results however are well within the limits for contact recreation, 200 MPN/100ml for single samples and 126 MPN/100ML for Geometric Mean. The results are indicative of an acceptable water quality for contact recreation.

| BMP | BMP Description | Measurable Goals | Responsibility | Target Date |
|---|---|---|---|------------------------------------|
| 3.18 Rapid Bioassessment Program | Better understand water quality impacts by comparing habitat and biological conditions with existing physical water quality data. | <ol style="list-style-type: none"> 1. Develop a rapid bioassessment plan 2. Acquire necessary training and supplies 3. Begin rapid bioassessment program; monitor 3 sites annually | Environmental Services Department, Environmental Quality Division | Year 3 Year 4 Year 5 |

Implementation of BMP 3.18 does not occur until Year 3.

| BMP | BMP Description | Measurable Goals | Responsibility | Target Date |
|--|--|--|---|--------------------------------|
| 3.19 On Site Sewage System Permitting | On site sewage systems are regulated through an ordinance and permitted by the city. Failing septic systems are identified and abated. | <ol style="list-style-type: none"> 1. Maintain the permitting of sewage systems 2. Respond to onsite sewage systems within 10 days of receiving complaint and enforce as necessary | Environmental Services Department, Environmental Quality Division | Years 1 – 5 Years 1 – 5 |

All activities for this BMP are complete for Year 1.

BMP 3.19 Activities Completed

Date: 8/13/2007

Responsible Party: Environmental Quality Division

Complaints

Only one (1) complaint regarding an onsite sewage system was received and responded to in Year 1.

Date: 8/13/2007

Responsible Party: Environmental Quality Division

Permits

Only two (2) OSSF were permitted in Year 1.

| BMP | BMP Description | Measurable Goals | Responsibility | Target Date |
|---|--|----------------------------------|---|--------------------|
| 3.20 Mobile Vehicle Wash Business Policy | The City's policy on mobile vehicle wash business will be revised to better discourage illicit discharges. | 1. Revise and approve the policy | Environmental Services Department, Environmental Quality Division | Year 2 |

Implementation of BMP 3.20 does not occur until Year 2.

| BMP | BMP Description | Measurable Goals | Responsibility | Target Date |
|-------------------------------------|---|---|---|--------------------|
| 3.21 Auto Inspection Program | Develop inspection program for auto-related businesses. | 1. Develop program and ordinance 2. Inspect at least 75% of auto-related businesses annually | Environmental Services Department, Environmental Quality Division | Years 1 – 5 |

All activities for this BMP are complete for Year 1.

BMP 3.21 Activities Completed

Date: 6/6/2006 **Responsible Party: Water Quality Division**

Ordinance

The City passed the Automotive Related Business Regulations ordinance, Article XX, Sections 13-530 through 13-552.

Date: 1/1/2007

Responsible Party: Environmental Quality Division

ARB Inspection Program

The Environmental Quality Division and Code Enforcement Division inspected 100% of the auto-related businesses in Grand Prairie in 2007, during which inspectors ensured ARBs were in compliance with local, state, and federal stormwater regulations. 709 inspections were conducted from January 2007 to December 2008. Inspections for 2008 are currently ahead of schedule: from January 2008 to October 2008, 560 or 80.6% of the ARB inspections were completed.

| BMP | BMP Description | Measurable Goals | Responsibility | Target Date |
|-----------------------------|---|--|---|--------------------|
| 3.22 Sampling Manual | A manual will be created that will define and standardize all storm water sampling and monitoring procedures. | 1. Create sampling manual and provide a copy to at least 80% of Environmental Quality Division Staff and technicians | Environmental Services Department, Environmental Quality Division | Year 1 |

All activities for this BMP are complete for Year 1.

BMP 3.22 Activities Completed

Date: 6/30/2008

Responsible Party: Environmental Quality Division

Stormwater Sampling Manual

The Stormwater Sampling Manual was completed and made available to 100% of the Environmental Specialist and Technicians. The manual includes the following sections: 1) Introduction, 2) Definitions, 3) Safety, 4) Sample Collection Methods/Procedures, 5) Equipment/Calibration, 6) Stream Monitoring, 7) Visual Monitoring, 8) Storm Water Pollution Prevention Plan, 9) Complaint Sampling, 10) Sanitary Sewer Overflow Procedures, 11) Beach Monitoring, 12) Texas Stream Team, 13) QA/QC Procedures, 14) Clean Rivers – Clean Hands/Dirty Hands, 15) Data Management, and 16) Material Safety Data Sheets.

MCM 4: Construction Site Storm Water Runoff Control

| BMP | BMP Description | Measurable Goals | Responsibility | Target Date |
|---|---|---|-------------------------------------|--------------------|
| 4.1 Infrastructure Plans and Designs | Require designers to include design of erosion control measures and approved BMPs in plans and specifications in all projects in compliance with and requiring compliance with the TPDES Construction General Permit and all local and State regulations. | 1. Continue to require erosion control plans and BMP details in engineering plan submittals | Planning and Development Department | Years 1 – 5 |

All activities for this BMP are complete for Year 1.

BMP 4.1 Activities Completed

Date: 10/31/2006 **Responsible Party: Planning and Development Department**

Unified Development Code

As stated in the City of Grand Prairie Unified Development Code, Article 14, the City requires designers to include design of erosion control measures and approved BMPs in construction plans. Plans must also be in full compliance with local, state (TPDES), and federal (NPDES) stormwater quality regulations.

Date: 8/13/2007 **Responsible Party: Planning and Development Department**

Number of Drainage Plans Reviewed

38 Drainage Plans have been approved and an Excel spreadsheet has been created to show the number of projects and approval dates.

| BMP | BMP Description | Measurable Goals | Responsibility | Target Date |
|---|---|---|-------------------------------------|--------------------|
| 4.2 Inspect Erosion Control Measures | Inspection of the infrastructure and effectiveness of the required erosion control measures used on applicable construction projects. | 1. Continue to inspect general erosion control measures during baseline or annual inspections | Planning and Development Department | Years 2 – 3 |

| | | |
|--|--|--------------------|
| <p>2. Document any violations and provide follow-up inspections within 10 days of the notice of violation, ensuring enforcement of permit provisions</p> | <p>Planning and Development Department</p> | <p>Years 3 – 5</p> |
|--|--|--------------------|

Revision: Revised the implementation period for the following goal from Years 1-2 to Years 2-3: Continue to inspect general erosion control measures during baseline or annual inspections.

Justification: The Planning and Development Department includes the City’s Engineering Division and Building Inspections Division. While both of these Divisions have continued to inspect general erosion control measures during baseline or annual inspections, only the Building Inspections Division has a current method of documenting this activity through a computer system that they use for their Building Inspections work. The Engineering Division has been working with the City’s Information Technology staff to develop a computer database specific to taking care of engineering needs and to document BMP activities. This database is in the final stages of modifications and will be implemented for reporting and providing documentation by the end of Year 2.

Implementation of BMP 4.2 does not occur until Year 2.

| BMP | BMP Description | Measurable Goals | Responsibility | Target Date |
|------------------------------------|---|---|--|--------------------|
| <p>4.3 Earthwork Permit</p> | <p>Issue permits for site grading, when necessary, to reduce the impact to neighboring properties, downstream flooding, or channel erosion.</p> | <p>1. Continue to issue permits as needed</p> | <p>Planning and Development Department, Engineering Division</p> | <p>Years 1 – 5</p> |

All activities for this BMP are complete for Year 1.

BMP 4.3 Activities Completed

Date: 8/13/2007 **Responsible Party:** Planning and Development Department

Number of Earthwork Permits Approved

49 Earthwork Permits have been approved and an Excel spreadsheet has been created to show the number of projects and approval dates.

| BMP | BMP Description | Measurable Goals | Responsibility | Target Date |
|--|--|---|-------------------------------------|--------------------|
| 4.4 Storm Water Pollution Prevention Plan during Construction | A Storm Water Pollution Prevention Plan (SWP3) is required on all applicable construction projects in accordance with the regulatory authorities' permit process. A copy of the NOI or Construction Site Notice on all applicable construction projects shall be required. | 1. A copy of the NOI from the contracting authority must be provided before a construction permit can be issued | Planning and Development Department | Years 3 – 5 |

Implementation of BMP 4.4 does not occur until Year 3.

| BMP | BMP Description | Measurable Goals | Responsibility | Target Date |
|-------------------------------|--|---|-------------------------------------|--------------------|
| 4.5 Complaint response | Citizen complaints regarding sediment and other development pollutants are investigated. | 1. Continue to investigate at least 80% of complaints within 15 working days with priority complaints investigated sooner | Planning and Development Department | Years 1 – 5 |

All activities for this BMP are complete for Year 1.

BMP 4.5 Activities Completed

Date: 8/13/2007

Responsible Party: Planning and Development Department

Complaints

The City received 5 registered complaints during August 13, 2007 through August 12, 2008. Each complaint was recorded on a spreadsheet with the complaint date, description, and resolution. All complaints recorded were responded to by assigned personnel within 15 days of the initial complaint. The City responded to 100% of the 5 recorded complaints.

| BMP | BMP Description | Measurable Goals | Responsibility | Target Date |
|-----------------------------------|---|--|---|--------------------|
| 4.6 Construction Ordinance | Work with the Environmental Services Department to include in the City of Grand Prairie Storm Water Ordinance (Refer to BMP 3.9) provisions to meet the legal authorities necessary to comply with permit | 1. Assign Staff and obtain information for draft ordinance | Planning and Development Department, Engineering Division | Year 1 |

| | |
|------------------------------|--------|
| 2. Develop a draft ordinance | Year 2 |
| 3. Finalize ordinance | Year 3 |
| 4. Implement ordinance | Year 3 |

All activities for this BMP are complete for Year 1.

BMP 4.6 Activities Completed

Date: 8/13/2007 **Responsible Party: Planning and Development Department**

Assign Staff and Obtain Information

Chris Agnew and David McKee have been assigned to work on the ordinance. Mr. Agnew and Mr. McKee have compiled a folder with sister benchmark cities' ordinances from 8 different cities including: Dallas, Fort Worth, Arlington, Mansfield, Garland, Plano, Irving, and Mesquite.

| BMP | BMP Description | Measurable Goals | Responsibility | Target Date |
|--|---|--|-------------------------------------|--|
| 4.7 Site Development Plan Reviews | Enhance review of site development plans to include water quality considerations, including a review of erosion control plans and proposed approved BMPs. Any amendments to the site plan review procedures will conform to the Storm Water Ordinance and post construction requirements. | 1. Assign Staff and obtain information for site plan review procedures 2. Revise and adopt the site plan review procedures 3. Amend site plan review procedures as necessary and implement compliance requirements | Planning and Development Department | Year 1 Year 2 Year 3 |

All activities for this BMP are complete for Year 1.

BMP 4.7 Activities Completed

Date: 8/13/2007

Responsible Party: Planning and Development Department

Assign Staff and Obtain Information

Chris Agnew has been assigned to accomplish this MCM with assistance from Rob Ard, Chief Building Official and Kevin Lasher, Chief City Planner. A copy of the City's current Site Plan Approval Process is being used as a reference. This Plan may be found in the City's Unified Development Code, Article 16.

| BMP | BMP Description | Measurable Goals | Responsibility | Target Date |
|--|--|--|-------------------------------------|---|
| 4.8 Recording and Public Complaint Response | Refine the system for recording and responding to calls from the public. This approach will include clarifying responsibilities, procedures, recordkeeping, and follow-up. | <ol style="list-style-type: none"> 1. Assign and train Staff 2. Prepare a memorandum of understanding clarifying responsibilities, procedures, recordkeeping, and follow-up on calls from the public 3. Implement | Planning and Development Department | <p>Year 1</p> <p>Year 2</p> <p>Year 3</p> |

All activities for this BMP are complete for Year 1.

BMP 4.8 Activities Completed

Date: 8/13/2007

Responsible Party: Planning and Development Department

Assign and Train Staff

Freeman Venerable, Pat Ormsby, and David McKee have been assigned to take complaints together with the building inspectors and the engineering construction inspectors. The first responders will be the building inspectors for building permit projects, the engineering construction inspectors for city capital projects, and Mr. Freeman and Mr. Ormsby for general public and internal complaints. David McKee will be notified if potential violations are involved and will ensure the violation is brought into compliance. Mr. Venerable, Mr. Ormsby, and Mr. McKee as well as engineering and construction inspectors Bob Michaels and Bill Handel attended NCTCOG training on Storm Water Pollution Prevention Practices during construction on August 26, 2008. David McKee has received extensive training in erosion control practices and pollution prevention and is a certified storm water inspector. The remaining engineering and building inspectors will be scheduled for NCTCOG training on Storm Water Pollution Prevention Practices during construction as classes are available in Year 2.

| BMP | BMP Description | Measurable Goals | Responsibility | Target Date |
|--|--|--|--|--------------------|
| 4.9 Redefine the Construction Site Inspection Program | <p>Redefine the construction site inspection program by developing a system to assign inspectors, track training requirements, establish schedules of inspections, establish recordkeeping procedures, and define enforcement procedures. The existing inspection program will be upgraded to reflect the redefined construction site inspection program. Compliance with the Storm Water Ordinance will be insured by the use of non-monetary penalties, fines, bonding requirements, permit denial, stop work orders, and holding of Certificate of Occupancy until full compliance.</p> | <ol style="list-style-type: none"> 1. Redefine the inspection program and complete a memorandum of understanding concerning inspector assignments and enforcement procedures, training requirements, and record keeping processes 2. Complete training of all departmental construction site inspectors. Initiate a program to formally train new inspectors by the end of their first year of their inspection assignment 3. Include in the inspection activities the additional sanctions provided by adoption of the Storm Water Ordinance | <p>Planning and Development Department</p> | <p>Year 3</p> |

Implementation of BMP 4.9 does not occur until Year 3.

Date: 8/13/2007

Responsible Party: Planning and Development Department

Drainage Projects and Plans Reviewed

From August 13, 2007 to August 12, 2008, 71 drainage projects were reviewed. Of these 71 projects, 181 drainage plans were reviewed.

| BMP | BMP Description | Measurable Goals | Responsibility | Target Date |
|---------------------------------------|---|--|-------------------------------------|--------------------|
| 5.2 Stream Buffer Preservation | Encourage the preservation of natural channels and the 100 year floodplain. | 1. Continue to encourage the preservation of stream buffers during plan reviews by requiring dedication of drainage or floodplain management easements for the 100-year floodplain | Planning and Development Department | Years 1 – 5 |

All activities for this BMP are complete for Year 1.

BMP 5.2 Activities Completed

Date: 8/13/2007

Responsible Party: Planning and Development Department

Stream Buffer Preservation

The City of Grand Prairie follows and implements a Comprehensive Plan and Unified Development Code to encourage Stream Buffer Preservation.

The Comprehensive Plan provides basic principles for stormwater management site planning. These include 1) using an integrated approach to deal with stormwater quality protection, streambank protection, and flood control requirements, 2) striving to use the natural drainage system and require as little maintenance as possible, 3) implementing controls after all site design and nonstructural options have been exhausted, 4) attempting to create structural controls that are multi-purpose and aesthetically integrated into a site's design, and 5) realizing that each site, project, and watershed presents different challenges and opportunities. Site designs should 1) preserve the natural hydrology and drainage ways, 2) reduce the amount of impervious cover and associated runoff and pollutants, 3) preserve a sites natural character, riparian ecosystems, and habitats, 4) reduce the need for grading and land disturbance, 5) make efficient use of natural site features for preventing and mitigating stormwater impact and 6) attempt to avoid floodplains.

The Unified Development Code, Article 14, provides information for the encouragement of earthen channels and the requirements for detention ponds and erosion hazard setbacks. This Article also establishes the standard criteria, principles, procedures, and practices for design of storm drainage facilities.

| | |
|---|-----------------------------|
| <p>3. Adopt the amendments to the Unified Development Code</p> <p>4. The affected city departments and divisions will implement the revisions to the Unified Development Code</p> | <p>Year 3</p> <p>Year 4</p> |
|---|-----------------------------|

Implementation of BMP 5.4 does not occur until Year 2.

| BMP | BMP Description | Measurable Goals | Responsibility | Target Date |
|---|---|---|--|-----------------------------|
| <p>5.5 Long term operation and maintenance of BMPs</p> | <p>Perform periodic inspections on existing post construction BMPs and work with the owners to provide needed maintenance and repairs. Failure to perform maintenance and repairs directed by the city may result in penalties.</p> | <p>1. Document all inspections and violations</p> <p>2. Develop guidance documents for developers and other responsible parties addressing maintenance and operation responsibilities, stressing the importance of proper maintenance for water quality and quantity control and ensuring proper maintenance activities are conducted</p> | <p>Planning and Development Department</p> | <p>Year 3</p> <p>Year 3</p> |

Implementation of BMP 5.5 does not occur until Year 3.

MCM 6: Pollution Prevention & Good Housekeeping for Municipal Operations

| BMP | BMP Description | Measurable Goals | Responsibility | Target Date |
|---|---|---|---|-----------------------------|
| 6.1 Storm Water Management Program Data Tracking | Track all city activities related to the Storm Water Management Program through a data tracking program. Software will be utilized to assist with the tracking. | <ol style="list-style-type: none"> 1. Purchase and utilize software 2. Create annual report | Environmental Services Department, Environmental Quality Division | <p>Year 1</p> <p>Year 2</p> |

All activities for this BMP are complete for Year 1.

BMP 6.1 Activities Completed

Date: 7/10/2006

Responsible Party: Environmental Quality Division

Asist

The Environmental Quality Division purchased and began implementing the Asist software for management of the MS4 Permit. This software allows multiple users to access and contribute to the documentation of activities for which they are responsible.

| BMP | BMP Description | Measurable Goals | Responsibility | Target Date |
|---------------------------|--|--|---|---|
| 6.2 Existing SWP3s | Three existing SWP3s are maintained for the Airport, the Landfill, and the Service Center, as required by the general permit TXR05000. | <ol style="list-style-type: none"> 1. Maintain and update SWP3s for the permits at the three existing regulated facilities 2. Review the SWP3s annually for any changes required 3. Inspect all three sites annually 4. Ensure that required annual SWP3 training is conducted | Environmental Services Department, Environmental Quality Division | <p>Years 1 – 5</p> <p>Years 1 – 5</p> <p>Years 1 – 5</p> <p>Years 2 – 5</p> |

All activities for this BMP are complete for Year 1.

BMP 6.2 Activities Completed

Date: 10/3/2007 **Responsible Party: Environmental Quality Division**

SWPPP Guidelines: Complying with EPA and State Requirements Web cast
Echo Rexroad, Senior Environmental Specialist, and T Sury, Environmental Specialist participated in a "SWPPP Guidelines: Complying with EPA & State Requirements" Web cast provided by Progressive Business Conferences.

Date: 12/10/2007 **Responsible Party: T Sury, Environmental Specialist**

SWP3 Review

The SWP3s were reviewed during the period of December 10 to 23rd as a part of annual inspection procedures. Updates were recommended by the Pollution Prevention Team.

Date: 12/10/2007 **Responsible Party: T Sury, Environmental Specialist**

Annual Inspections

Annual inspections of all three sites were carried out as per the following schedule:

- Landfill – 12/20/07 and 12/21/07
- Service Center – 12/17/07
- Airport – 12/13/07, 12/14/07 and 12/19/07

Date: 12/21/2007 **Responsible Party: T Sury, Environmental Specialist**

SWP3 updates

The following SWP3 updates were performed for the City's three regulated facilities:

- Landfill – Revised site map
- Service Center – Revised site map
- Airport – Revised site map and Section 2.0 regarding composition of Pollution Prevention Team

Date: 1/10/2008 **Responsible Party: Environmental Quality Division**

Stormwater Best Management Practices: Defense Against Violations
Echo Rexroad and T Sury participated in the "Stormwater Best Management Practices: Your Defense Against EPA Violations" Web cast provided by Progressive Business Conferences.

Date: 8/13/2007

Responsible Party: Public Works Department

Tracking Maintenance

Storm sewer and drainage maintenance was tracked for Year 1. Maintenance included 21 different type of activities conducted as a result of citizen complaints, field observations, and regular City storm sewer maintenance.

| BMP | BMP Description | Measurable Goals | Responsibility | Target Date |
|---|---|--------------------------------------|--|--------------------|
| 6.4 Disposal of Waste Removed from the MS4 | Develop a standard operating procedure for the disposal of waste removed from the MS4, including any dredged soil, accumulated sediments, and floatables. | 1. Develop an SOP for waste disposal | Environmental Services, Environmental Quality Division | Year 2 |

Implementation of BMP 6.4 does not occur until Year 2.

| BMP | BMP Description | Measurable Goals | Responsibility | Target Date |
|--|--|---|---|--|
| 6.5 Storm Water Pollution Prevention Guidelines for all City Activities | Develop pollution prevention guidelines for selected city activities not covered by a specific TPDES permit. Training materials will be developed from NCTCOG Storm Water training materials, as indicated by BMP 3.8. | 1. Identify target audience and activities for the pollution prevention plan 2. Review Phase 1 city SWP3s as well as suggested EPA and TCEQ BMPs 3. Design the SWPP materials for selected city employees 4. Begin developing, purchasing and disseminating SWPP materials to selected city employees annually | Environmental Services Department, Environmental Quality Division | Year 2 Year 2 Years 3 – 4 Years 5 |

The City has exceeded the goal for BMP 6.5. No activities are scheduled for Year 1; however, the City developed a management plan for the Auto Pound.

BMP 6.5 Activities Completed

Date: 12/24/2006 **Responsible Party: Environmental Quality Division**

Automotive Pound

A management plan was developed with the Police Department to improve pollution prevention measures taken at the Auto Pound. The City developed new procedures designed to drastically reduce, if not completely eliminate, the number of chemical stains and debris found at the facility. The City assigned a stormwater technician to spot treat the stains found at the Auto Pound with Petro-Clean™ on a weekly basis.

Other housekeeping measures were also implemented. Drums were chained to the fence for the proper disposal of items, such as oily rags and used filters, and trash receptacles were placed in the auction areas. Drivers known for dropping off tires and used batteries were informed that these actions were prohibited. To further manage this issue, the stormwater technician began collecting tires and batteries left behind and hauling them to the City's landfill.

Due to the City's diligence to resolve this issue, the need for spot treatments has decreased drastically since December of 2006. As a result, the Environmental Services Department has recommended that the City's technician reduce the frequency of spot treatments and disposal of debris to once per month or on an as needed basis.

| BMP | BMP Description | Measurable Goals | Responsibility | Target Date |
|--|--|---|---|--|
| 6.6 Promotion of Native or Adaptive Vegetation Along Floodplain Easements | Promote good storm water filtration and natural uptake of possible nutrient pollutants by native and/or adaptive vegetation. | 1. Identify at least 2 areas to promote native vegetation 2. Choose location and design for signage and formalize sign budget 3. Install at least 1 sign for each area and define management area | Environmental Services Department, Environmental Quality Division and Public Works Department, Streets Division | Year 2 Year 3 Year 4 – 5 |

| | |
|--------|--|
| Year 5 | 4. Identify future areas suitable for promotion of vegetation as the city continues to develop |
|--------|--|

Implementation of BMP 6.6 does not occur until Year 2.

| BMP | BMP Description | Measurable Goals | Responsibility | Target Date |
|--|---|---|---|--------------------|
| 6.7 Mosquito Management Program | Maintain mosquito management methods that will not result in illicit discharges to the MS4. | <ol style="list-style-type: none"> Maintain integrated mosquito management methods when handling and applying pesticides Use low toxicity bio-controls for larvae control | Environmental Services Department, Environmental Quality Division | Years 1 – 5 |
| | | | | Years 1 – 5 |

All activities for this BMP are complete for Year 1.

BMP 6.7 Activities Completed

Date: 8/13/2007

Responsible Party: Environmental Quality Division

Low Toxicity Bio-Controls

Gambusia affinis fish are used in bodies of water with mosquito breeding problems. This biological control provides an abatement program directed primarily toward the prevention, elimination, or control of aquatic sources leading to the production of mosquitoes capable of disease transmission.

Bactimos Briquettes and Agnique MMF (MonoMolecular Film) are also used. Bactimos Briquettes is a biological larvicide containing Bacillus thuringiensis israelensis, which kills only mosquito larvae (EPA registration No. 6218-47) and has a toxicity category of “Caution”. Agnique MMF (MonoMolecular Film) is a biodegradable, alcohol ethoxylated surfactant (EPA registration No. 2302-14, 53263-28) made from renewable plant oils. This film interrupts the critical air/water interface in the mosquito’s larval and pupal development cycle causing them to drown and has a toxicity category of “Caution”.

Date: 8/13/2007

Responsible Party: Environmental Quality Division

Integrated Mosquito Management

The Environmental Quality Division’s mosquito control plan is based on comprehensive Integrated Pest Management (IPM) which includes,

but is not limited to, mosquito and disease surveillance, source reduction, complaint investigations, public education, biological control (mosquito fish production) and larval and adult mosquito control and insecticide resistance management.

| BMP | BMP Description | Measurable Goals | Responsibility | Target Date |
|----------------------------|--|--|---|--------------------|
| 6.8 Street Sweeping | Remove solid pollutants from the streets to avoid contamination of the storm sewer system. | 1. Sweep major thoroughfares on an annual basis and more often on high traffic roads | Environmental Services Department, Solid Waste Division | Years 1 – 5 |

All activities for this BMP are complete for Year 1.

BMP 6.8 Activities Completed

Date: 8/1/2007 **Responsible Party: Solid Waste Division**

Street Sweeping

The City has a contract with Midwest Services for all street sweeping activities. Midwest Services cleans curbs, gutters, median curbs, road shoulders, gore points and turning lanes located throughout the City. Cleaning operations include sweeping, panning, dumping and trash pick up operations. Depending on traffic flow, streets are cleaned on a weekly, semiannual, and annual basis.

| BMP | BMP Description | Measurable Goals | Responsibility | Target Date |
|------------------------------------|--|--|---|--------------------|
| 6.9 Inspect City Facilities | Inspect city facilities for Best Management Practices. | 1. Inspect 25% of city facilities annually | Environmental Services Department, Environmental Quality Division | Years 2 – 5 |

Implementation of BMP 6.9 does not occur until Year 2.

| BMP | BMP Description | Measurable Goals | Responsibility | Target Date |
|--|---|--|---|--------------------|
| 6.10 Storm Sewer and Drainage Maintenance Program for the Dallas County Flood | Conduct maintenance and improvements for the drainage components owned by the Dallas County Flood Control District #1 when noted through written complaints and through field observations. | 1. Respond to written complaints within the District | Dallas County Flood Control District #1 | Years 1 – 5 |

| | |
|--|-------------|
| 2. Perform annual maintenance reviews and prepare report | Years 1 – 5 |
| 3. Make necessary repairs to District facilities | Years 1 – 5 |

All activities for this BMP are complete for Year 1.

BMP 6.10 Activities Completed

Date: 8/1/2006 **Responsible Party: Dallas County Flood Control District #1**

Storm Sewer and Drainage Maintenance

No written complaints were filed in Year 1. Regular maintenance reviews and reports have been done since 1997. The Year 1 annual maintenance review was conducted in October 2007 and the report was prepared in November 2007. The Dallas County Flood Control District #1 informed Dallas County of the erosion issues at Rock Island Road (Rock Island Road is owned by Dallas County).

| BMP | BMP Description | Measurable Goals | Responsibility | Target Date |
|--|---|-------------------------------------|---|--------------------|
| 6.11 Disposal of Waste Removed from the MS4 for the Dallas County Flood Control District #1 (excluding the City of Grand Prairie – see MCM 6.4) | Develop a standard operating procedure for the disposal of waste removed from the Dallas County Flood Control District #1's storm water system. | 1. Develop a SOP for waste disposal | Dallas County Flood Control District #1 | Year 2 |

Implementation of BMP 6.11 does not occur until Year 2.

Part IV. Interlocal Agreement

The City of Grand Prairie and Dallas County Flood Control District #1 (DCFCD) jointly submitted the Storm Water Management Program as described in an interlocal agreement approved by the aforementioned entities on February 5, 2008 (Appendix D). According to Part III of the General Permit, a permittee may enter into interlocal agreements with municipalities where the small MS4 is located in order to meet the goals of the permit if the permittee does not have enforcement authority and is unable to meet the goals of the general permit through its own powers. Approximately 20% of the DCFCD is located within the City of Grand Prairie boundaries; however, the DCFCD does not have enforcement capabilities. As a result, the City of Grand Prairie and DCFCD agreed to the joint submission of the SWMP where the DCFCD is solely responsible for only two (2) BMPs (BMP 6.10 and 6.11). The City of Grand Prairie is entirely responsible for all other BMPs described in the SWMP.

For the aforementioned reason, the City of Grand Prairie and DCFCD have jointly submitted this annual report.

APPENDIX A

Texas Commission on Environmental Quality Correspondence



Addendum

August 13, 2008

This addendum modifies and supplements the City of Grand Prairie's Storm Water Management Program developed in response to the TPDES Phase II MS4 General Permit (TXR040000).

- BMP 1.1, Environmental Education Specialist

Current: Years 2-5, Employ an Environmental Education Specialist who will actively seek to broaden educational opportunities within the school district and the city. Conduct 2 storm water outreach activities annually.

Revision: Remove entire BMP

Justification: BMP is not a required element for the SWMP. With current economic conditions, it is unlikely the City will be able to fill this position within the next few years.

- BMP 1.11, Funding for Elementary School Curriculum on Storm Water Quality

Current: Purchase Major Rivers© or similar curriculum for additional fifth grade Grand Prairie ISD classrooms

Revision: Purchase Major Rivers© or similar curriculum **as needed** for additional fifth grade Grand Prairie ISD classrooms

Justification: Adel Quintana, the Science Program Coordinator for Grand Prairie Independent School District, informed the City that GPISD did not need additional copies of Major Rivers this year. By adding "as needed" to the measurable goal, the City will not be required to purchase additional curriculum unnecessarily.

- BMP 2.1, Public Notice in Development of SWMP

Current: 1) Participate in a 15 minute Grand Prairie cable show that highlights the SWMP and invites the public to make comments and 2) Provide a copy of the document for comment to at least one of the environmental compliance workshops

Revision: Remove these two measurable goals from this BMP. This will leave the following goals: 1) Continue to make the document available for comments on the city website and at the Environmental Services Department office and 2) Make presentations to applicable city council committees

Justification: While we may have accomplished these goals, we have no supporting documentation.

- BMP 2.2, Texas Watch Volunteer Stream Monitoring Program

Current: **Years 1-5,** Hold at least 1 Texas Watch training session for volunteers or corporations annually

Revision: **Years 2-5**, Hold at least 1 **Texas Stream Team** training session for volunteers or corporations annually

Justification: Under the assumption we can use previous years' accomplishments, we have technically accomplished this goal for Year 1. In addition, two City employees were trained in Year 1 and are set to train students at Reagan Middle School in August or September of 2008. However, unforeseen circumstances (i.e. transfer of responsibility to new employee, training of new employee, availability of volunteers during school months, etc.) hindered expected training events.

Texas Watch is now called Texas Stream Team.

- BMP 2.3, Master Composter Program

Current: 1) **Years 1-5**, Conduct 2 Master Composter classes per year and 2) Years 1-5, Distribute yard care educational materials to at least 20 Master Composter participants annually

Revision: 1) **Year 1**, Conduct 2 Master Composter classes per year and 2) Years 1-5, Distribute yard care educational materials to at least 20 Master Composter participants annually

Justification: The City of Grand Prairie has hosted a Master Composter class annually for over 10 years and has trained approximately 700 people during that time. Recent trends have demonstrated less interest in this class, and as a result, it has become increasingly difficult to find individuals willing to participate. Due to the lack of interest, the Solid Waste Division has determined that hosting two classes per year is not financially realistic.

- BMP 2.4, Storm Drain Markers

Current: Years 2-5: Purchase and have installed through volunteer help **200** of the city's unmarked storm drain curb inlets annually

Revision: Years 2-5: Purchase and have installed through volunteer help **100** of the city's unmarked storm drain curb inlets annually

Justification: This Years 2-5 activity may prove to be more difficult than originally thought. While we provided 310 markers for placement, only 71 markers were actually placed this year. The reason for this was said to be the great number of extracurricular activities the volunteers were participating in this year. 100 markers may be a more reasonable goal. If the goal of 100 is not met, remaining markers may be placed by City personnel.

- BMP 4.2, Inspect Erosion Control Measures

Current: **Years 1-2**, Continue to inspect general erosion control measures during baseline or annual inspections

Revision: **Years 2-3**, Continue to inspect general erosion control measures during baseline or annual inspections

Justification: The Planning and Development Department includes the City's Engineering Division and Building Inspections Division. While both of these Divisions have continued to inspect general erosion control measures during baseline or annual inspections, only the Building Inspections Division has a current method of documenting this activity through a computer system that they use for their Building Inspections work. The Engineering Division has been working with the City's Information Technology staff to develop a computer database specific to taking care of engineering needs and to document BMP activities. This database is in the final stages of modifications and will be implemented for reporting and providing documentation by the end of Year 2.

E-mail sent to TCEQ on August 13, 2008 with above addendum attached

From: Echo Rexroad
Sent: Wednesday, August 13, 2008 3:26 PM
To: 'SWGPA@tceq.state.tx.us'
Cc: Echo Rexroad
Subject: City of Grand Prairie SWMP Addendum

Attachments: SWMPAddendum.doc
To Whom It May Concern:

Please find the attached addendum to the City of Grand Prairie's Storm Water Management Program.

If possible, please send a response to this email confirming receipt of this addendum.

Best regards,

Echo Rexroad
Senior Environmental Specialist
City of Grand Prairie
972.237.8082

E-mail from TCEQ confirming receipt of August 13, 2008 Addendum

From: Kim Wilson [KWILSON@tceq.state.tx.us]
Sent: Thursday, August 14, 2008 10:00 AM
To: Echo Rexroad
Subject: Re: City of Grand Prairie SWMP Addendum
Mr. Rexroad-

I am the reviewer assigned to Grand Prairie and am in receipt of this addendum.

>>> "Echo Rexroad" <erexroad@GPTX.org> 8/13/2008 3:25 PM >>>
To Whom It May Concern:

Please find the attached addendum to the City of Grand Prairie's Storm Water Management Program.

If possible, please send a response to this email confirming receipt of this addendum.

Best regards,

Echo Rexroad
Senior Environmental Specialist
City of Grand Prairie
972.237.8082

E-mail from Gordon Cooper, with the TCEQ, requesting revisions to MCM 4 and 5

From: Gordon Cooper [mailto:GCooper@tceq.state.tx.us]
Sent: Monday, September 08, 2008 9:38 AM
To: Cindy Mendez
Subject: MS4 SWMP Review for the City of Grand Prairie

Ms. Mendez,

My name is Gordon Cooper and I am the permit writer who is reviewing the SWMP for the City of Grand Prairie MS4 permit application.

Upon reviewing the SWMP I have found that there is some additional information that will be required to complete this review process.

MCM 4 –

Required Elements and/or BMPs:

- Please provide additional information of how the program that will be developed to comply with the required elements for this MCM (4) will address storm water runoff from construction activities of one acre and greater including activities at sites that are part of a larger common plan of development.

MCM 5 –

Required Elements and/or BMPs:

- Please provide additional information how the program will address storm water runoff from new development / redevelopment activities of one acre and greater including the larger common plan of development.

Please update your SWMP with this information and send a response to this information request back to me via e-mail within 2 weeks of the date of this e-mail. If there is a specific reason why this information is not needed and not included in the SWMP, please indicate why for each MCM addressed by this request in an e-mail response.

If you need any additional information please feel free to contact me at: Gordon Cooper, TCEQ Water Quality Division, 512-239-1963.

Thank you very much,

Gordon Cooper
Environmental Permit Specialist I
TCEQ Water Quality Division
Storm Water &
Pretreatment Team (MC 148)
P.O Box 13087
Austin, TX 78711-3087
Phone: 512-239-4671
Fax: 512-239-4430

Email sent to Gordon Cooper, with the TCEQ, with revisions to MCM 4 and 5

From: Echo Rexroad
Sent: Tuesday, September 16, 2008 5:09 PM
To: 'Gordon Cooper'
Cc: Cindy Mendez
Subject: RE: MCM 4 and 5 and Fact Sheet

Attachments: SWMP to TCEQ Final.pdf; SWMPAddendum.doc; Re City of Grand Prairie SWMP Addendum.htm

Hello Mr. Cooper,

Please find the attached revised City of Grand Prairie SWMP, addendum, and email from Kim Wilson stating she is in receipt of the addendum.

In addition to the changes described in the attached addendum, we have also revised the SWMP to include the following statements for MCM 4 (page 25) and MCM 5 (page 29):

MCM 4:

The following selected BMPs for Construction Site Storm Water Runoff Control apply to 1) construction activities of one acre and greater and 2) construction activities at sites that are part of a larger common plan of development (where the total disturbed area is equal to one acre or greater).

MCM 5:

The following selected BMPs for Post-Construction Management in New Development and Redevelopment apply to 1) new development / redevelopment activities of one acre and greater and 2) new development / redevelopment activities at sites that are part of a larger common plan of development (where the total disturbed area is equal to one acre or greater).

We have also reviewed the Notice of Application you provided. In the first sentence, where the application states "City of Grand Prairie, 201 **North West** 2nd Street...", it should say "City of Grand Prairie, 201 **Northwest** 2nd Street..." Other than that one minor change, no other revisions are needed.

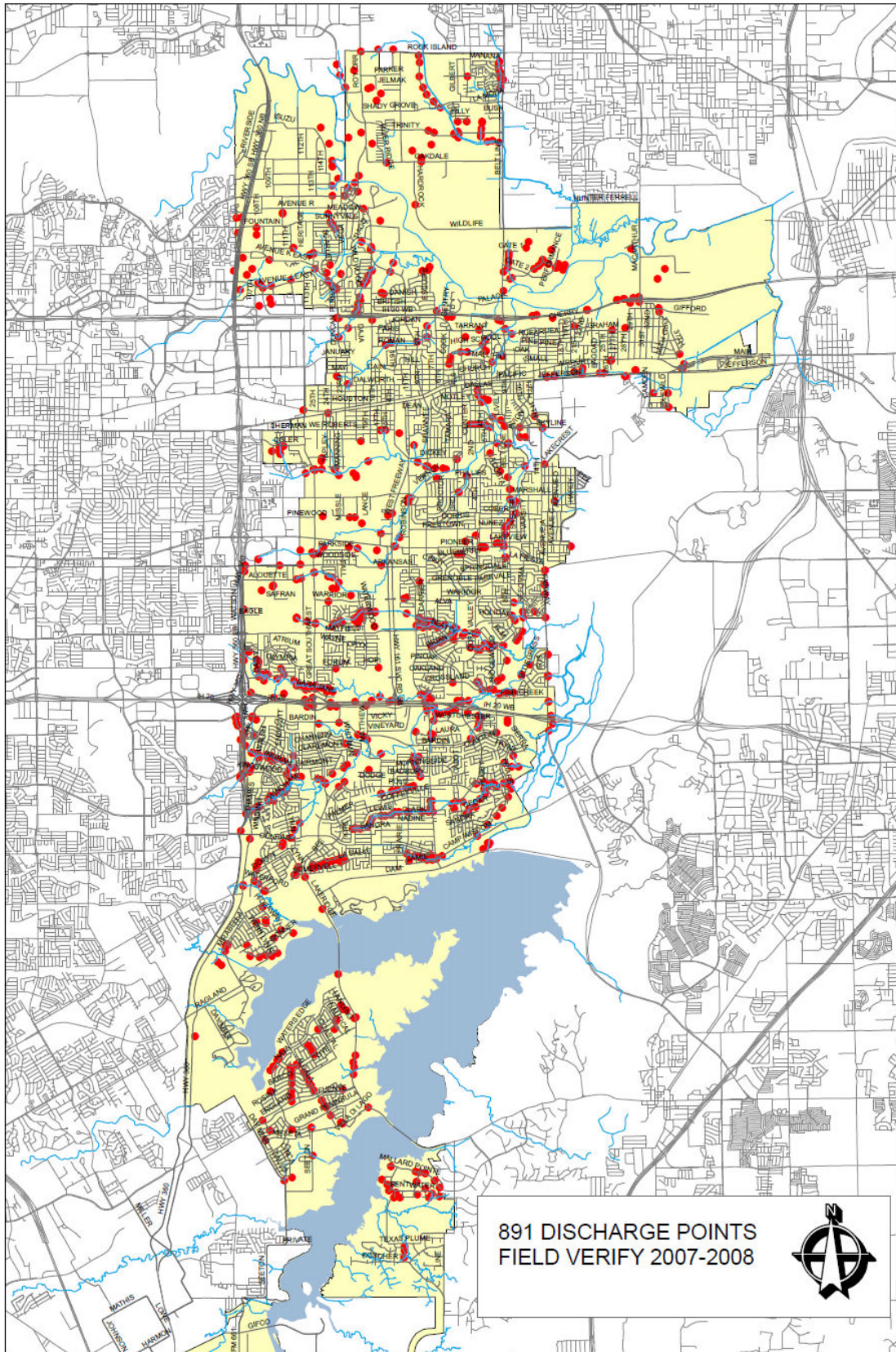
Thank you for your time. We look forward to hearing from you again.

Sincerely,

Echo Rexroad
Senior Environmental Specialist
City of Grand Prairie
972.237.8082

APPENDIX B

Field Verification Outfall Map



APPENDIX C

Monthly Stream Summary

Monthly Results

August 2007

| Stream Site Number | Date | Time | Sample ID # | Air Temperature | Water Temperature | pH | Turbidity | Dissolved Oxygen | Ammonia | Fecal Strept | Fecal Coliform |
|--------------------|-----------|-------|-------------|-----------------|-------------------|------|-----------|------------------|---------|--------------|----------------|
| 16 | 8/27/2007 | 9:25 | 07SW-296 | 28 | 28 | 6.93 | 34.4 | 8.11 | 0.04 | 250 | 150 |
| 17 | 8/27/2007 | 10:45 | 07SW-297 | 32 | 29.4 | 7.08 | 13.9 | 3.76 | 0.05 | 11 | 20 |
| 12 | 8/27/2007 | 1:05 | 07SW-292 | 34 | 26.7 | 7.15 | 12.4 | 5.36 | 0.1 | 670 | 1420 |
| 14 | 8/27/2007 | 12:50 | 07SW-294 | 35 | 28 | 7.3 | 3.76 | 5.67 | 0.06 | 630 | 430 |
| 15 | 8/27/2007 | 11:10 | 07SW-295 | 25.6 | 29.4 | 7.19 | 26.2 | 4.07 | 0.14 | 180 | 310 |
| 20 | 8/27/2007 | 10:25 | 07SW-300 | 29 | 28.2 | 7.43 | 4.11 | 4.6 | 0.05 | 4100 | 300 |
| 21 | 8/27/2007 | 8:45 | 07SW-301 | 27 | 26.1 | 7.17 | 8.51 | 5.99 | 0.08 | 310 | 350 |
| 13 | 8/27/2007 | 12:35 | 07SW-293 | 34 | 29.7 | 7.23 | 6.1 | 7.05 | 0 | 1240 | 520 |
| 19 | 8/28/2007 | 9:55 | 07SW-299 | 29 | 28 | 7.02 | 19.4 | 4.63 | 0.04 | 40 | 10 |
| 11 | 8/28/2007 | 9:20 | 07SWJ-291 | 28 | 26.8 | 7.14 | 77 | 5.18 | 0.13 | 3900 | 4400 |
| 9 | 8/28/2007 | 8:00 | 07SW-289B | 25 | 26.4 | 7.51 | 14.1 | 5.87 | 0.03 | 4500 | 7100 |
| 9 | 8/28/2007 | 8:00 | 07SW-289A | 25 | 26.4 | 7.51 | 14.1 | 5.87 | 0.03 | 4300 | 8700 |
| 8 | 8/28/2007 | 9:30 | 07SW-288 | 28 | 27.7 | 6.71 | 2.5 | 4.53 | 0.07 | 840 | 400 |
| 22 | 8/28/2007 | 8:50 | 07SW-302 | 27 | 25.6 | 7.35 | 20.3 | 5.29 | 0.06 | 6900 | 5500 |
| 2 | 8/29/2007 | 9:50 | 07SW-282 | 29 | 28.5 | 7.39 | 3.5 | 13.65 | 0.03 | 4600 | 10 |
| 3 | 8/29/2007 | 8:20 | 07SW-283B | 27 | 26.4 | 7.21 | 18 | | 0.08 | 760 | 340 |
| 3 | 8/29/2007 | 8:20 | 07SW-283A | 27 | 26.4 | 7.21 | 18 | 8.54 | 0.08 | 800 | 627 |
| 6 | 8/29/2007 | 9:20 | 07S2W-286 | 28 | 28.6 | 7.23 | 37.7 | 7.56 | 0.22 | 800 | 490 |
| 5 | 8/29/2007 | 10:10 | 07SW-285 | 30 | 27.2 | 7.07 | 9.7 | 6.28 | 0.13 | 710 | 260 |
| 18 | 8/29/2007 | 11:30 | 07SW-298 | 32 | 29.8 | 7.07 | 18.8 | 8.25 | 0.14 | 60 | 20 |
| 1 | 8/29/2007 | 8:55 | 07SW-281 | 28 | 28.5 | 7.2 | 25.4 | 7.72 | 0.12 | 250 | 80 |

Monthly Results

September 2007

| Stream Site Number | Date | Time | Sample ID # | Air Temperature | Water Temperature | pH | Turbidity | Dissolved Oxygen | Ammonia | Fecal Strept | Fecal Coliform |
|--------------------|-----------|-------|-------------|-----------------|-------------------|------|-----------|------------------|---------|--------------|----------------|
| 12 | 9/25/2007 | 11:25 | 07SW-312 | 31 | 24 | 7.42 | 9.02 | 5.43 | 0.24 | 1270 | 3400 |
| 22 | 9/25/2007 | 12:20 | 07SW-315 | 31 | 25 | 7.66 | 14.7 | 6.47 | 0 | 1570 | 4500 |
| 18 | 9/25/2007 | 12:40 | 07SW-325 | 32 | 26.9 | 8.12 | 33.5 | 8.38 | 0.06 | 60 | 50 |
| 9 | 9/25/2007 | 11:55 | 07SW-313B | 31 | 25.8 | 7.62 | 3.1 | 8.11 | 0.06 | | |
| 9 | 9/25/2007 | 11:55 | 07SW-313A | 31 | 25.8 | 7.62 | 3.1 | 8.11 | 0.06 | 90 | 40 |
| 2 | 9/25/2007 | 8:54 | 07SW-320 | 27 | 24.8 | 6.88 | 2.2 | 4.6 | 0.21 | 2700 | 10 |
| 13 | 9/25/2007 | 10:39 | 07SW-310 | 27 | 25.4 | 7.5 | 5.58 | 6.97 | 0 | 1040 | 40 |
| 15 | 9/25/2007 | 10:25 | 07SW-0309 | 27 | 26.8 | 7.44 | 28 | 5.72 | 0.17 | 230 | 50 |
| 17 | 9/25/2007 | 9:55 | 07SW-308 | 27 | 26.9 | 7.91 | 8.01 | 7.59 | 0.08 | 20 | 10 |
| 20 | 9/25/2007 | 9:10 | 07SW-307 | 24 | 24.9 | 7.84 | 4.52 | 6.17 | 0.08 | 2300 | 160 |
| 16 | 9/25/2007 | 8:50 | 07SW-306 | 24 | 25.7 | 8.02 | 38 | 7.26 | 0 | 100 | 10 |
| 14 | 9/25/2007 | 10:46 | 07SW-311 | 28 | 24.7 | 7.46 | 45 | 5.65 | 0.24 | 170 | 30 |
| 6 | 9/26/2007 | 8:54 | 07SW-319 | 26 | 26.9 | 6.95 | 16.9 | 6.63 | 0.07 | 2100 | 380 |
| 8 | 9/26/2007 | 10:30 | 07SW-324 | 28 | 26.8 | 6.5 | 2.41 | 5.84 | 0.2 | 760 | 650 |
| 8 | 9/26/2007 | 10:50 | 07SW-324A | 28 | 16.8 | 6.5 | 2.41 | 5.5 | 0.2 | 640 | 170 |
| 11 | 9/26/2007 | 10:30 | 07SW-316 | 28 | 25.1 | 6.73 | 11 | 5.41 | 0.18 | 1140 | 873 |
| 5 | 9/26/2007 | 9:55 | 07SW-322 | 28 | 26 | 6.52 | 16.3 | 6.18 | 0.24 | 360 | 90 |
| 21 | 9/26/2007 | 8:20 | 07SW-305 | 23.7 | 23.7 | 7.38 | 5.84 | 6.35 | 0 | 780 | 330 |
| 1 | 9/26/2007 | 8:40 | 07SW-318 | 26 | 25.5 | 6.86 | 12.7 | 6.34 | 0.18 | 2700 | 2500 |
| 3 | 9/26/2007 | 8:25 | 07SW-317 | 25 | 25.1 | 6.71 | 17.6 | 5.82 | 0.17 | 71 | 350 |
| 19 | 9/26/2007 | 12:52 | 07SW-326 | 32 | 28.3 | 7.01 | 43.2 | 7.73 | 0.07 | 540 | 30 |
| 7 | 9/26/2007 | 9:55 | 07SW-323 | 28 | 26 | 6.52 | 16.3 | 6.18 | 0.24 | | |

Monthly Results

October 2007

| Stream Site Number | Date | Time | Sample ID # | Air Temperature | Water Temperature | pH | Turbidity | Dissolved Oxygen | Ammonia | Fecal Strept | Fecal Coliform |
|--------------------|------------|-------|-------------|-----------------|-------------------|------|-----------|------------------|---------|--------------|----------------|
| 10 | 10/22/2007 | 12:50 | 08SW-016B | 13 | 18.3 | 7.37 | 61.8 | 2.89 | 0 | 510 | 170 |
| 14 | 10/22/2007 | 11:00 | 08SW-020 | 12 | 16.4 | 7.07 | 105.1 | 6.2 | 0 | 18300 | 12500 |
| 9 | 10/22/2007 | 12:35 | 08SW-015 | 12 | 15.2 | 6.98 | 157 | 4.67 | 0.04 | 15300 | 12400 |
| 22 | 10/22/2007 | 1:15 | 08SW-028 | 12 | 16.6 | 7.13 | 31.3 | 4.09 | 0.15 | 8300 | 9200 |
| 18 | 10/22/2007 | 1:45 | 08SW-024 | 13 | 18.8 | 7.51 | 44.3 | 5.1 | 0 | 3700 | 150 |
| 17 | 10/22/2007 | 10:45 | 08SW-023 | 11 | 19.9 | 7.24 | 19.6 | 6.13 | 0.08 | 310 | 430 |
| 21 | 10/22/2007 | 8:45 | 08SW027 | 11 | 16.8 | 7.05 | | 4.94 | | 4600 | 3900 |
| 15 | 10/22/2007 | 11:05 | 08SW021 | 12 | 17.8 | 7.22 | 38.9 | 3.85 | 0.01 | 3700 | 3500 |
| 16 | 10/22/2007 | 9:10 | 08SW022 | 11 | 18.1 | 7.19 | | 6.19 | | 130 | 170 |
| 20 | 10/22/2007 | 9:40 | 08SW026 | 11 | 18.6 | 7.19 | | 4.68 | | 2600 | 430 |
| 10 | 10/22/2007 | 12:50 | 08SW-016A | 13 | 18.3 | 7.37 | 61.8 | 2.89 | 0 | 590 | 100 |
| 12 | 10/22/2007 | 12:15 | 08SW-018 | 12 | 15.8 | 7 | 107 | 5.2 | 0 | 17000 | 8500 |
| 3 | 10/24/2007 | 8:50 | 08SW-009A | 16 | 15.6 | 7.1 | 44.6 | 3.74 | 0.06 | 3200 | 2300 |
| 3 | 10/24/2007 | 8:50 | 08SW-009B | 16 | 15.6 | 7.1 | 44.6 | 3.74 | 0 | 2600 | 860 |
| 6 | 10/24/2007 | 10:05 | 08SW-012 | 18 | 17.8 | 7.09 | 39.7 | 4.22 | 0.2 | 480 | 1020 |
| 2 | 10/24/2007 | 14:30 | 08SW-008 | 19 | 16.2 | 7.23 | 17.4 | 3.7 | 0.12 | 730 | 2800 |
| 4 | 10/24/2007 | 10:50 | 08SW-010 | 21 | 15.2 | 7.36 | 13.3 | 5.46 | 0.04 | 550 | 2000 |
| 5 | 10/24/2007 | 11:25 | 08SW-011 | 20 | 16.7 | 7.32 | 25.3 | 3.05 | 0.1 | 610 | 880 |
| 11 | 10/24/2007 | 1:00 | 08SW-017 | 22 | 17.7 | 7.35 | 22.5 | 3.59 | 0.05 | 1180 | 2500 |
| 19 | 10/24/2007 | 1:45 | 08SW-025 | 22 | 18.3 | 7.37 | 42 | 4.41 | 0.04 | 270 | 2000 |
| 8 | 10/24/2007 | 1:20 | 08SW-014 | 22 | 21.6 | 7.17 | 3.85 | 2.89 | 0.09 | 210 | 70 |
| 1 | 10/24/2007 | 9:45 | 08SW-007 | 18 | 17.1 | 7.01 | 41.1 | 4.77 | 0.13 | 2600 | 2200 |

Monthly Results

November 2007

| Stream Site Number | Date | Time | Sample ID # | Air Temperature | Water Temperature | pH | Turbidity | Dissolved Oxygen | Ammonia | Fecal Strept | Fecal Coliform |
|--------------------|------------|-------|---------------|-----------------|-------------------|------|-----------|------------------|---------|--------------|----------------|
| 21 | 11/27/2007 | 8:45 | GP08SW-050 8 | | 8.8 | 6.78 | 21.1 | 9.99 | 0.05 | 10000 | 8600 |
| 10 | 11/27/2007 | 12:40 | GP08SW-03916 | | 11.3 | 7.52 | 18.4 | 9.54 | 0.13 | 920 | 2600 |
| 16 | 11/27/2007 | 9:10 | GP08SW-045 9 | | 10 | 7.88 | 18.4 | 12.37 | 0.01 | 310 | 390 |
| 19 | 11/27/2007 | 1:20 | GP08SW-048 16 | | 12.7 | 7.94 | 31 | 9.96 | 0.07 | 340 | 950 |
| 20 | 11/27/2007 | 9:25 | GP08SW-049 11 | | 9.5 | 8.05 | 14.7 | 10.87 | 0.01 | 550 | 380 |
| 17 | 11/27/2007 | 9:55 | GP08SW-046 13 | | 13.4 | 7.74 | 13.8 | 10.01 | 0.06 | 270 | 350 |
| 15 | 11/27/2007 | 10:15 | GP08SW-04413 | | 9.8 | 7.57 | 30.7 | 9.29 | 0.04 | 7700 | 6700 |
| 13 | 11/27/2007 | 10:40 | GP08SW-04213 | | 9.5 | 7.45 | 12.5 | 9.97 | 0.04 | 4200 | 3300 |
| 14 | 11/27/2007 | 10:55 | GP08SW-04314 | | 9 | 7.49 | 15.3 | 10.76 | 0.05 | 7300 | 4500 |
| 12 | 11/27/2007 | 11:40 | GP08SW-04114 | | 11.8 | 7.38 | 18 | 8.04 | 0.27 | 860 | 1240 |
| 9 | 11/27/2007 | 12:05 | GP08SW-038A | | 15 | 10.3 | 7.37 | 15.7 | 10.1 | 0.03 | 630 4500 |
| 22 | 11/27/2007 | 12:55 | GP08SW-05116 | | 12.5 | 7.58 | 17.3 | 9.23 | 0.12 | 590 | 2300 |
| 9 | 11/27/2007 | 12:05 | GP08SW-038B | | 15 | 10.3 | 7.37 | 15.7 | 10.1 | 0.03 | 810 4400 |
| 4 | 11/28/2007 | | GP08SW-032 | | | | | | | | |
| 7 | 11/28/2007 | | GP08SW-036 | | | | | | | | |
| 3 | 11/28/2007 | 8:30 | GP08SW-031 10 | | 9.5 | 6.79 | 47.4 | 11.1 | 0.03 | 3200 | 4700 |
| 1 | 11/28/2007 | 8:50 | GP08SW-029 9 | | 9.7 | 7.27 | 32 | 11.23 | 0.03 | 3600 | 3400 |
| 6 | 11/28/2007 | 9:10 | GP08SW-034 11 | | 13.5 | 7.34 | 34.7 | 9.55 | 0.32 | 980 | 880 |
| 2 | 11/28/2007 | 9:35 | GP08SW-030 11 | | 10.2 | 7.45 | 26.3 | 11.35 | 0.06 | 2300 | 1170 |
| 5 | 11/28/2007 | 10:05 | GP08SW-03313 | | 11 | 7.51 | 35 | 8.24 | 0.03 | 1700 | 1030 |
| 11 | 11/28/2007 | 11:10 | GP08SW-04013 | | 12.2 | 6.93 | 24.8 | 9.94 | 0.11 | 1190 | 660 |
| 8 | 11/28/2007 | 11:15 | GP08SW-037B | | 14 | 14.5 | 7.37 | 11 | 8.02 | 0.03 | 130 30 |
| 8 | 11/28/2007 | 11:15 | GP08SW-037A | | 14 | 14.5 | 7.37 | 11 | 8.02 | 0.03 | 140 20 |
| 18 | 11/28/2007 | 11:30 | GP08SW-04716 | | 12.3 | 7.61 | 41.8 | 10.43 | 0 | 310 | 350 |

Monthly Results

December 2007

| Stream Site Number | Date | Time | Sample ID # | Air Temperature | Water Temperature | pH | Turbidity | Dissolved Oxygen | Ammonia | Fecal Strept | Fecal Coliform |
|--------------------|------------|-------|---------------|-----------------|-------------------|------|-----------|------------------|---------|--------------|----------------|
| 17 | 12/18/2007 | 9:45 | GP08SW-075 10 | | 7.9 | 7.58 | 19.9 | 10.34 | 0.04 | 430 | 210 |
| 9 | 12/18/2007 | 11:05 | GP08SW-067B | | 16 | 8.2 | 7.55 | 14.1 | 8.69 | 0 | 710 750 |
| 9 | 12/18/2007 | 11:05 | GP08SW-067A | | 16 | 8.2 | 7.55 | 14.1 | 8.69 | 0 | 680 600 |
| 16 | 12/18/2007 | 8:55 | GP08SW-074 8 | | 7.1 | 7.56 | 29.4 | 11.43 | 0.28 | 6100 | 890 |
| 20 | 12/18/2007 | 9:15 | GP08SW-078 9 | | 7.7 | 8.08 | 39.5 | 10.68 | 0.14 | 540 | 380 |
| 13 | 12/18/2007 | 10:20 | GP08SW-07112 | | 8.1 | 7.46 | 10.23 | 11.07 | 0.11 | 1170 | 490 |
| 12 | 12/18/2007 | 10:45 | GP08SW-07014 | | 8.7 | 7.44 | 10.88 | 8.61 | 0.01 | 930 | 510 |
| 21 | 12/18/2007 | 8:30 | GP08SW-079 7 | | 6.6 | 6.76 | 122 | 10.5 | 0.17 | 7100 | 3100 |
| 10 | 12/18/2007 | 11:20 | GP08SW-06816 | | 10 | 7.66 | 16.4 | 9.14 | 0.15 | 180 | 530 |
| 22 | 12/18/2007 | 11:30 | GP08SW-08016 | | 10.2 | 7.54 | 5.94 | 5.94 | 0.2 | 890 | 6700 |
| 11 | 12/18/2007 | 12:05 | GP08SW-06917 | | 8.7 | 7.87 | 15.3 | 8.13 | 0.13 | 510 | 240 |
| 18 | 12/18/2007 | 12:25 | GP08SW-07617 | | 8.2 | 7.65 | 32.5 | 11.38 | 0.06 | 150 | 80 |
| 19 | 12/18/2007 | 12:40 | GP08SW-07718 | | 9.8 | 7.73 | 18.4 | 10.12 | 0.15 | 160 | 190 |
| 14 | 12/18/2007 | 10:25 | GP08SW-07213 | | 7.1 | 7.46 | 29.6 | 10.88 | 0.07 | 4000 | 1360 |
| 15 | 12/18/2007 | 10:00 | GP08SW-07311 | | 7.6 | 7.64 | 48.5 | 8.67 | 0.22 | 3600 | 1210 |
| 1 | 12/19/2007 | 8:15 | GP08SW-059 5 | | 7.4 | 7.65 | 36.1 | 10.78 | 0.05 | 170 | 80 |
| 4 | 12/19/2007 | 8:53 | GP08SW-062 | | | | | | | | |
| 5 | 12/19/2007 | 9:05 | GP08SW-063 7 | | 8.3 | 7.57 | 29.4 | 9.65 | 0 | 210 | 90 |
| 7 | 12/19/2007 | 9:15 | GP08SW-065 | | | | | | | | |
| 8 | 12/19/2007 | 9:40 | GP08SW-066B7 | | 11.3 | 7.62 | 6.29 | 8.51 | 0.15 | 140 | 10 |
| 6 | 12/19/2007 | 8:27 | GP08SW-064 4 | | 13.5 | 7.48 | 17.6 | 9.24 | 0.2 | 330 | 210 |
| 3 | 12/19/2007 | 7:51 | GP08SW-061 4 | | 7.2 | 7.79 | 24.8 | 10.86 | 0.03 | 220 | 60 |
| 8 | 12/19/2007 | 9:40 | GP08SW-066A7 | | 11.3 | 7.62 | 6.29 | 8.51 | 0.15 | 140 | 10 |
| 2 | 12/19/2007 | 9:50 | GP08SW-060 5 | | 8.7 | 7.54 | 36.1 | 9.76 | 0.12 | 410 | 430 |

Monthly Results

January 2008

| Stream Site Number | Date | Time | Sample ID # | Air Temperature | Water Temperature | pH | Turbidity | Dissolved Oxygen | Ammonia | Fecal Strept | Fecal Coliform |
|--------------------|-----------|-------|-------------|-----------------|-------------------|------|-----------|------------------|---------|--------------|----------------|
| 11 | 1/22/2008 | 11:25 | 08SW-092 | 2 | 7.2 | 7.75 | 8.3 | 9.73 | | 320 | 50 |
| 1 | 1/22/2008 | 9:05 | 08SW-082 | 3 | 6.3 | 7.63 | 5.43 | 10.16 | | 10 | 10 |
| 19 | 1/22/2008 | 12:35 | 08SW-100 | 1 | 5.9 | 7.68 | 11 | 11.66 | | 20 | 10 |
| 18 | 1/22/2008 | 12:20 | 08SW-099 | 1 | 6.2 | 7.95 | 12 | 12.72 | | 10 | 10 |
| 8 | 1/22/2008 | 12:00 | 08SW-089 | 1 | 9.2 | 7.62 | 2.7 | 9.75 | | 80 | 10 |
| 22 | 1/22/2008 | 11:05 | 08SW-103 | 1 | 6.1 | 7.72 | 5.2 | 10.07 | | 210 | 280 |
| 10 | 1/22/2008 | 10:55 | 08SW-091 | 2 | 6.7 | 8.18 | 10.99 | 10.46 | | 30 | 10 |
| 9 | 1/22/2008 | 10:40 | 08SW-090 | 3 | 6.1 | 7.74 | 8.48 | 11.14 | | 50 | 50 |
| 7 | 1/22/2008 | 10:10 | 08SW-088 | | | | | | | | |
| 5 | 1/22/2008 | 10:00 | 08SW-086 | 2 | 5.6 | 7.91 | 19.7 | 11.18 | | 610 | 10 |
| 4 | 1/22/2008 | | | | | | | | | | |
| 6 | 1/22/2008 | 9:25 | 08SW-087 | 2 | 12.1 | 7.49 | 10.23 | 8.78 | | 440 | 120 |
| 3 | 1/22/2008 | 8:50 | 08SW-084 | 3 | 5.5 | 7.54 | 6.2 | 10.9 | | 70 | 10 |
| 2 | 1/22/2008 | 9:40 | 08SW-083 | 3 | 5.5 | 7.65 | 10.89 | 10.97 | | 30 | 20 |
| 20 | 1/23/2008 | 9:10 | 08SW-101A | 1 | 6.8 | 7.63 | 9.9 | 8.9 | 0.14 | 40 | 20 |
| 21 | 1/23/2008 | 8:30 | 08SW-102 | 1 | 5.2 | 7.37 | 6.3 | 10.79 | 0.07 | 70 | 10 |
| 16 | 1/23/2008 | 8:55 | 08SW-097 | 1 | 5.5 | 8.19 | 5.76 | 11.5 | 0.11 | 10 | 10 |
| 20 | 1/23/2008 | 9:10 | 08SW-101B | 1 | 6.8 | 7.63 | 9.9 | 8.9 | 0.14 | 40 | 10 |
| 17 | 1/23/2008 | 9:45 | 08SW-098 | 1 | 5.7 | 7.79 | 7.8 | 10.58 | 0.07 | 10 | 10 |
| 14 | 1/23/2008 | 10:20 | 08SW-095 | 1 | 5.1 | 7.76 | 5.2 | 11.33 | 0.04 | 50 | 30 |
| 13 | 1/23/2008 | 10:25 | 08SW-094 | 1 | 5 | 7.64 | 6.6 | 8.73 | 0.1 | 140 | 70 |
| 15 | 1/23/2008 | 10:00 | 08SW-096 | 1 | 5.9 | 7.61 | 11 | 9.58 | 0 | 220 | 30 |
| 12 | 1/23/2008 | 10:45 | 08SW-093 | 2 | 6.6 | 7.48 | 7.1 | 8.16 | 0.02 | 140 | 100 |

Monthly Results

February 2008

| Stream Site Number | Date | Time | Sample ID # | Air Temperature | Water Temperature | pH | Turbidity | Dissolved Oxygen | Ammonia | Fecal Strept | Fecal Coliform |
|--------------------|-----------|-------|---------------|-----------------|-------------------|------|-----------|------------------|---------|--------------|----------------|
| 9 | 2/18/2008 | 10:40 | GP08SW-12514 | | 10.2 | 7.4 | 15 | 7.52 | 0.15 | 660 | 490 |
| 10 | 2/18/2008 | 11:00 | GP08SW-126A16 | | 9.3 | 7.55 | 25 | 8.46 | 0.15 | | |
| 4 | 2/18/2008 | | | | | | | | | | |
| 12 | 2/18/2008 | 10:20 | GP08SW-12813 | | 9.7 | 7.35 | 11 | 7.18 | 0.3 | 3600 | 736 |
| 14 | 2/18/2008 | 10:05 | GP08SW-13011 | | 8.2 | 7.54 | 14 | 7.8 | 0.07 | 3100 | 827 |
| 13 | 2/18/2008 | 9:45 | GP08SW-12911 | | 9.1 | 7.43 | 11 | 9.43 | 0.19 | 930 | 450 |
| 22 | 2/18/2008 | 12:00 | GP08SW-13916 | | 10.4 | 7.57 | 12 | 9.6 | 0.71 | 570 | 3100 |
| 10 | 2/18/2008 | 11:00 | GP08SW-126B16 | | 9.3 | 7.55 | 25 | 8.46 | 0.15 | | |
| 13 | 2/18/2008 | 9:45 | GP08SW-12911 | | 9.1 | 7.43 | 11 | 9.43 | 0.19 | 930 | 450 |
| 14 | 2/18/2008 | 10:05 | GP08SW-13011 | | 8.2 | 7.54 | 14 | 7.8 | 0.07 | | |
| 12 | 2/18/2008 | 10:20 | GP08SW-12813 | | 9.7 | 7.35 | 11 | 7.18 | 0.3 | 3600 | 736 |
| 9 | 2/18/2008 | 10:40 | GP08SW-12514 | | 10.2 | 7.4 | 15 | 7.52 | 0.15 | 660 | 490 |
| 7 | 2/18/2008 | | | | | | | | | | |
| 21 | 2/19/2008 | 8:00 | GP08SW-1383 | | 8.6 | 6.88 | 130 | 8.17 | 0.04 | 2300 | 560 |
| 16 | 2/19/2008 | 8:25 | GP08SW-1324 | | 9.9 | 7.62 | 100 | 9.73 | 0.28 | 5500 | 2700 |
| 20 | 2/19/2008 | 8:45 | GP08SW-1376 | | 9.3 | 7.72 | 33 | 8.19 | 0.16 | 290 | 40 |
| 17 | 2/19/2008 | 9:05 | GP08SW-1339 | | 10.1 | 7.77 | 18 | 10.29 | 0.1 | 210 | 80 |
| 15 | 2/19/2008 | 9:25 | GP08SW-13110 | | 9.1 | 7.44 | 45 | 8.13 | 0.24 | | |
| 10 | 2/19/2008 | 11:00 | GP08SW-126B16 | | 9.3 | 7.55 | 25 | 8.46 | 0.15 | 380 | 480 |
| 16 | 2/19/2008 | 8:25 | GP08SW-1324 | | 9.9 | 7.62 | 100 | 9.73 | 0.28 | 5500 | 2700 |
| 10 | 2/19/2008 | 11:00 | GP08SW-126A16 | | 9.3 | 7.55 | 25 | 8.46 | 0.15 | 510 | 500 |
| 21 | 2/19/2008 | 8:00 | GP08SW-1383 | | 8.6 | 6.88 | 130 | 8.17 | 0.04 | 2300 | 560 |
| 20 | 2/19/2008 | 8:45 | GP08SW-1376 | | 9.3 | 7.72 | 33 | 8.19 | 0.16 | | |
| 17 | 2/19/2008 | 9:05 | GP08SW-1339 | | 10.1 | 7.77 | 18 | 10.29 | 0.1 | | |

Monthly Results

February 2008

| Stream Site Number | Date | Time | Sample ID # | Air Temperature | Water Temperature | pH | Turbidity | Dissolved Oxygen | Ammonia | Fecal Strept | Fecal Coliform |
|--------------------|-----------|-------|---------------|-----------------|-------------------|------|-----------|------------------|---------|--------------|----------------|
| 15 | 2/19/2008 | 9:25 | GP08SW-131 10 | | 9.1 | 7.44 | 45 | 8.13 | 0.24 | 4200 | 1236 |
| 5 | 2/25/2008 | 10:25 | GP08SW-12120 | | 13.3 | 7.69 | 16 | 9.45 | 0.21 | 160 | 60 |
| 2 | 2/25/2008 | 10:00 | GP08SW-118 18 | | 20.9 | 7.11 | 11 | 8.34 | 0.17 | 190 | 10 |
| 6 | 2/25/2008 | 9:45 | GP08SW-122 18 | | 15.6 | 6.85 | 16 | 7.22 | 0.3 | 370 | 130 |
| 3 | 2/25/2008 | 8:55 | GP08SW-119 14 | | 11.4 | 7.46 | 7.4 | 7.8 | 0.08 | 70 | 80 |
| 1 | 2/25/2008 | 9:20 | GP08SW-117 16 | | 14.6 | 7.78 | 7.8 | 9.33 | 0.03 | 50 | 30 |
| 8 | 2/25/2008 | 11:30 | GP08SW-124A21 | | 15.6 | 7.35 | 6 | 8.19 | 0.28 | 70 | 10 |
| 18 | 2/25/2008 | 12:30 | GP08SW-13525 | | 17 | 7.43 | 18 | 11.17 | 0.08 | 30 | 10 |
| 8 | 2/25/2008 | 11:30 | GP08SW-124B21 | | 15.6 | 7.34 | 6 | 8.19 | 0.28 | 80 | 10 |
| 19 | 2/25/2008 | 12:55 | GP08SW136 26 | | 13.5 | 7.25 | 12 | 8.5 | 0.17 | 20 | 30 |
| 11 | 2/25/2008 | 11:05 | GP08SW-12721 | | 14.8 | 7.6 | 15 | 7.85 | 0.2 | 740 | 860 |

Monthly Results

March 2008

| Stream Site Number | Date | Time | Sample ID # | Air Temperature | Water Temperature | pH | Turbidity | Dissolved Oxygen | Ammonia | Fecal Strept | Fecal Coliform |
|--------------------|-----------|-------|---------------|-----------------|-------------------|------|-----------|------------------|---------|--------------|----------------|
| 11 | 3/19/2008 | 11:50 | GP08SW-150 18 | | 14.7 | 7.65 | 8.62 | 8.77 | 0.08 | 1030 | 230 |
| 17 | 3/25/2008 | 9:10 | GP08SW-156 13 | | 14.4 | | 14 | 11.15 | 0.06 | 50 | 30 |
| 22 | 3/25/2008 | 11:05 | GP08SW-165 18 | | 12.9 | 7.23 | 15.5 | 8.29 | 1.44 | 15800 | 8700 |
| 21 | 3/25/2008 | 8:05 | GP08SW-166 11 | | 13 | | 6.13 | 9.1 | 0.13 | 540 | 140 |
| 16 | 3/25/2008 | 8:25 | GP08SW-155 11 | | 14 | | 243 | 9.9 | 0.08 | 360 | 90 |
| 20 | 3/25/2008 | 8:45 | GP08SW-159 12 | | 14 | | 14.3 | 9.62 | 0.04 | 80 | 80 |
| 13 | 3/25/2008 | 9:45 | GP08SW-152A14 | | 13.6 | | 2.44 | 10.83 | 0.01 | 170 | 120 |
| 13 | 3/25/2008 | 9:45 | GP08SW-152B14 | | 13.6 | | 2.44 | 10.83 | 0.01 | 160 | 220 |
| 14 | 3/25/2008 | 10:00 | GP08SW-153 15 | | 13.5 | | 2.57 | 9.88 | 0.1 | 440 | 250 |
| 12 | 3/25/2008 | 10:15 | GP08SW-151 16 | | 13.7 | | 70.6 | 7.68 | 0.06 | 930 | 270 |
| 10 | 3/25/2008 | 10:45 | GP08SW-149 18 | | 15.3 | 6.98 | 74.8 | 9.84 | 0 | 40 | 160 |
| 8 | 3/25/2008 | 12:10 | GP08SW-147 18 | | 17.1 | 7.71 | 350 | 9.37 | 0.39 | 30 | 10 |
| 18 | 3/25/2008 | 12:20 | GP08SW-157 21 | | 15.4 | 7.87 | 451 | 10.35 | 0.09 | 110 | 110 |
| 19 | 3/25/2008 | 12:35 | GP08SW-158 20 | | 15.4 | 7.9 | 101.6 | 10.23 | 0.04 | 110 | 70 |
| 15 | 3/25/2008 | 9:30 | GP08SW-154 14 | | 14.7 | | 17.3 | 7.32 | 0.26 | 220 | 100 |
| 9 | 3/25/2008 | 10:25 | GP08SW-148 17 | | 14 | | 6.53 | 9.4 | 0.01 | 250 | 120 |
| 2 | 3/25/2008 | 9:00 | GP08SW-163 18 | | 17.4 | 7.55 | 8.11 | 8.91 | 0.01 | 100 | 20 |
| 3 | 3/26/2008 | 8:15 | GP08SW-162 18 | | 16.3 | 7.7 | 55.4 | 8.66 | 0.03 | 190 | 20 |
| 5 | 3/26/2008 | 9:10 | GP08SW-144A20 | | 20 | 7.79 | 13.4 | 7.72 | 0 | 240 | 70 |
| 5 | 3/26/2008 | 9:10 | G008SW-144B20 | | 17.3 | 7.79 | 13.4 | 7.72 | 0 | 150 | 30 |
| 1 | 3/26/2008 | 8:30 | GP08SW-164 18 | | 16.4 | 7.81 | 16.7 | 8.86 | 0 | 190 | 130 |
| 6 | 3/26/2008 | 8:45 | GP08SW-145 19 | | 17.3 | 7.81 | 23.2 | 9.04 | 0.04 | 150 | 230 |

Monthly Results

April 2008

| Stream Site Number | Date | Time | Sample ID # | Air Temperature | Water Temperature | pH | Turbidity | Dissolved Oxygen | Ammonia | Fecal Strept | Fecal Coliform |
|--------------------|-----------|-------|----------------|-----------------|-------------------|------|-----------|------------------|---------|--------------|----------------|
| 12 | 4/22/2008 | 10:40 | GP08SW-18425 | | 21.1 | 7.49 | 12 | 4.11 | 0.22 | 836 | 830 |
| 21 | 4/22/2008 | 8:15 | GP08SW-19322 | | 20.2 | 7.04 | 7.7 | 4.97 | 0.17 | 670 | 60 |
| 16 | 4/22/2008 | 8:40 | GP08SW-18824.6 | | 21.2 | 7.47 | 60 | 5.76 | | 310 | 50 |
| 20 | 4/22/2008 | 9:00 | GP08SW-19223 | | 21.2 | 7.45 | 75 | 6.35 | | 809 | 210 |
| 17 | 4/22/2008 | 9:30 | GP08DW-18923 | | 22.2 | 7.52 | 70 | 6.75 | 0.11 | 230 | 440 |
| 15 | 4/22/2008 | 9:50 | GP08SW-18724 | | 22 | 7.25 | 24 | 5.58 | 0.01 | 160 | 590 |
| 14 | 4/22/2008 | 10:25 | GP08SW-18625 | | 19.7 | 7.47 | 5.6 | 5.86 | 0.23 | 460 | 580 |
| 22 | 4/22/2008 | 11:30 | GP08SW-19426 | | 21 | 7.46 | 22 | 5.1 | 0.54 | 2100 | 2400 |
| 19 | 4/22/2008 | 12:20 | GP08SW-19127 | | 19.9 | 8.08 | 14 | 9.25 | 0.2 | 30 | 10 |
| 18 | 4/22/2008 | 12:05 | GP08SW-19028 | | 24.7 | 8.03 | 27 | 8.94 | 0.14 | 120 | 30 |
| 13 | 4/22/2008 | 10:15 | GP08SW-18524 | | 21.8 | 7.65 | 11 | 7.23 | 0.21 | 380 | 310 |
| 10 | 4/22/2008 | 11:05 | GP08SW-182B26 | | 22.2 | 7.88 | 19 | 7.22 | 0.34 | 40 | 20 |
| 10 | 4/22/2008 | 11:05 | GP08SW-182A26 | | 22.2 | 7.88 | 19 | 7.22 | 0.34 | 40 | 10 |
| 9 | 4/22/2008 | 10:55 | GP08SW-18126 | | 20.7 | 7.45 | 7.6 | 6.06 | 0.16 | 430 | 440 |
| 5 | 4/23/2008 | 9:45 | GP08SW-177A23 | | 23.4 | 7.6 | 30 | 7.09 | 0.15 | 720 | 270 |
| 11 | 4/23/2008 | 10:50 | GP08SW-18323 | | 23.7 | 7.22 | 19 | 5.07 | 0.23 | 845 | 430 |
| 2 | 4/23/2008 | 9:25 | GP08SW-17423 | | 23.6 | 7.8 | 12 | 10.56 | 0.16 | 560 | 120 |
| 3 | 4/23/2008 | 8:30 | GP08SW-17523 | | 22.5 | 7.37 | 12 | 6.93 | 0.16 | 210 | 80 |
| 1 | 4/23/2008 | 8:45 | GP08SW-17323 | | 23 | 7.55 | 13 | 6.87 | 0.14 | 360 | 130 |
| 6 | 4/23/2008 | 9:05 | GP08SW-17823 | | 22.7 | 7.65 | 27 | 7.34 | 0.13 | 460 | 140 |
| 5 | 4/23/2008 | 9:45 | GP08SW-177B23 | | 23.4 | 7.6 | 30 | 7.09 | 0.15 | 730 | 420 |
| 8 | 4/23/2008 | 11:50 | GP08SW-18025 | | 20.8 | 7.28 | 5.6 | 8.54 | 0.38 | 70 | 20 |

Monthly Results

May 2008

| Stream Site Number | Date | Time | Sample ID # | Air Temperature | Water Temperature | pH | Turbidity | Dissolved Oxygen | Ammonia | Fecal Strept | Fecal Coliform |
|--------------------|-----------|-------------------|-------------|-----------------|-------------------|------|-----------|------------------|---------|--------------|----------------|
| 13 | 5/20/2008 | 11:10GP08SW-21329 | | | 23.7 | 7.32 | 12 | 7.33 | 0.32 | 300 | 20 |
| 9 | 5/20/2008 | 12:00GP08SW-20930 | | | 24 | 7.56 | 80 | 7.4 | 0.1 | 30 | 110 |
| 12 | 5/20/2008 | 11:40GP08SW-21231 | | | 24 | 7.57 | 8.3 | 6.21 | 0.41 | 2400 | 2000 |
| 14 | 5/20/2008 | 11:25GP08SW-21429 | | | 25 | 7.7 | 6.1 | 6.06 | 0.19 | 320 | 260 |
| 15 | 5/20/2008 | 10:40GP08SW-21528 | | | 25.5 | 7.71 | 35 | 6.57 | 0.24 | 230 | 973 |
| 16 | 5/20/2008 | 9:10GP08SW-216A23 | | | 24.3 | 8 | 120 | 6.69 | 0.25 | 50 | 60 |
| 16 | 5/20/2008 | 9:10GP08SW-216B23 | | | 24.3 | 8 | 120 | 6.69 | 0.25 | 70 | 70 |
| 17 | 5/20/2008 | 10:15GP08SW-21727 | | | 22.8 | 8.15 | 16 | 8.42 | 0.18 | 20 | 60 |
| 20 | 5/20/2008 | 9:40GP08SW-220 26 | | | 23.6 | 7.84 | 10 | 5.49 | 0.28 | 390 | 40 |
| 21 | 5/20/2008 | 8:30GP08SW-221 23 | | | 22.7 | 7.41 | 19 | 5.12 | 0.33 | 380 | 510 |
| 22 | 5/20/2008 | 12:55GP08SW-22232 | | | 23.7 | 8.63 | 16 | 3.48 | 1.04 | 630 | 2400 |
| 10 | 5/20/2008 | 12:20GP08SW-21030 | | | 28.7 | 8.64 | 23 | 8.6 | 0.12 | 90 | 160 |
| 11 | 5/21/2008 | 11:15GP08SW-21126 | | | 23.7 | 7.55 | 38 | 4.37 | 0.18 | 490 | 370 |
| 8 | 5/21/2008 | 11:55GP08SW-20828 | | | 23.6 | 7.68 | 13 | 7.37 | 0.2 | 110 | 600 |
| 19 | 5/21/2008 | 12:35GP08SW-21929 | | | 25.1 | 8.23 | 90 | 7.98 | 0 | 70 | 600 |
| 19 | 5/21/2008 | 12:35GP08SW-223EB | | | 29 | 25.1 | 8.23 | 90 | 7.98 | 0 | 600 |
| 3 | 5/21/2008 | 8:10GP08SW-205B23 | | | 22.4 | 7.44 | 14 | 6.44 | 0.12 | 140 | 320 |
| 3 | 5/21/2008 | 8:10GP08SW-205A23 | | | 22.4 | 7.44 | 14 | 6.44 | 0.12 | 110 | 240 |
| 1 | 5/21/2008 | 8:50GP08SW-203 23 | | | 24.6 | 7.79 | 17 | 6.62 | 0.18 | 70 | 260 |
| 6 | 5/21/2008 | 9:10GP08SW-207 23 | | | 24.4 | 7.88 | 20 | 7.78 | 0.08 | 350 | 210 |
| 2 | 5/21/2008 | 10:05GP08SW-20426 | | | 23.7 | 8.27 | 45 | 11.98 | 0.01 | 3400 | 809 |
| 5 | 5/21/2008 | 10:30GP08SW-20627 | | | 22.3 | 7.68 | 40 | 5.96 | 0.24 | 280 | 200 |
| 18 | 5/21/2008 | 12:10GP08SW-21829 | | | 25.3 | 8.13 | 50 | 7.93 | 0.03 | 100 | 700 |

Monthly Results

June 2008

| Stream Site Number | Date | Time | Sample ID # | Air Temperature | Water Temperature | pH | Turbidity | Dissolved Oxygen | Ammonia | Fecal Strept | Fecal Coliform |
|--------------------|-----------|-------|---------------|-----------------|-------------------|------|-----------|------------------|---------|--------------|----------------|
| 22 | 6/17/2008 | 11:35 | GP08SW-25131 | | 26.2 | 7.43 | 4.1 | 5.43 | 2.58 | 2200 | 48300 |
| 20 | 6/17/2008 | 8:55 | GP08SW-24927 | | 27.3 | 7.73 | 4.6 | 4.57 | 0.21 | 320 | 10 |
| 10 | 6/17/2008 | 10:55 | GP08SW-239 | | | | | | | | |
| 9 | 6/17/2008 | 10:40 | GP08SW-23829 | | 28 | 7.86 | 5.8 | 7.52 | 0.19 | 80 | 10 |
| 12 | 6/17/2008 | 10:25 | GP08SW-241 | | | | | | | | |
| 14 | 6/17/2008 | 10:15 | GP08SW-24329 | | 26.8 | 7.51 | 5 | 5.29 | 0.19 | 210 | 190 |
| 13 | 6/17/2008 | 10:00 | GP08SW-24228 | | 28.4 | 7.71 | 8.4 | 7.35 | 0.18 | 230 | 110 |
| 15 | 6/17/2008 | 9:35 | GP08SW-24429 | | 29.2 | 7.42 | 23 | 3.45 | 0.69 | 20 | 100 |
| 21 | 6/17/2008 | 8:15 | GP08SW-25026 | | 25.7 | 7.24 | 10 | 4.97 | 0.25 | 490 | 560 |
| 16 | 6/17/2008 | 8:40 | GP08SW-245B26 | | 26.4 | 8.14 | 70 | 7.07 | 0.18 | 10 | 10 |
| 16 | 6/17/2008 | 8:40 | GP08SW-245A26 | | 26.4 | 8.14 | 70 | 7.07 | 0.18 | 30 | 10 |
| 17 | 6/17/2008 | 9:15 | GP08SW-24628 | | 24.9 | 8 | 29 | 7.18 | 0.17 | 170 | 290 |
| 4 | 6/18/2008 | | GP08SW-233 | | | | | | | | |
| 11 | 6/18/2008 | 9:50 | GP08SW-24027 | | 24.6 | 7.32 | 8.3 | 3.45 | 0.47 | 3700 | 1373 |
| 6 | 6/18/2008 | 8:45 | GP08SW-23524 | | 27 | 7.62 | 26 | 6.87 | 0.35 | 1100 | 50 |
| 2 | 6/18/2008 | 9:05 | GP08SW-23126 | | 26.6 | 7.68 | 16 | 7.8 | 0.24 | 810 | 110 |
| 5 | 6/18/2008 | 9:30 | GP08SW-23427 | | 24.2 | 7.33 | 8.3 | 2.62 | 0.39 | 420 | 60 |
| 8 | 6/18/2008 | 10:05 | GP08SW-23727 | | 25.4 | 7.4 | 14 | 6.25 | 0.33 | 760 | 1582 |
| 18 | 6/18/2008 | 10:20 | GP08SW-24728 | | 27.1 | 7.81 | 40 | 6.44 | 0.19 | 180 | 130 |
| 1 | 6/18/2008 | 8:20 | GP08SW-23025 | | 25.7 | 7.69 | 34 | 6.43 | 0.15 | 340 | 580 |
| 19 | 6/18/2008 | 10:35 | GP08SW-24828 | | 26.4 | 7.55 | 21 | 6.49 | 0.19 | 50 | 60 |
| 3 | 6/18/2008 | 8:00 | GP08SW-232B24 | | 25.1 | 7.22 | 13 | 5.25 | 0.22 | 250 | 230 |
| 3 | 6/18/2008 | 8:00 | GP08SW-232A24 | | 25.1 | 7.22 | 13 | 5.25 | 0.22 | 160 | 330 |
| 7 | 6/18/2008 | | GP08SW-236 | | | | | | | | |

Monthly Results

July 2008

| Stream Site Number | Date | Time | Sample ID # | Air Temperature | Water Temperature | pH | Turbidity | Dissolved Oxygen | Ammonia | Fecal Strept | Fecal Coliform |
|--------------------|-----------|-------|---------------|-----------------|-------------------|------|-----------|------------------|---------|--------------|----------------|
| 13 | 7/22/2008 | 10:00 | GP08SW-26931 | | 28.6 | 8.07 | 5.3 | 10.87 | 0.12 | 140 | 800 |
| 15 | 7/22/2008 | 9:45 | GP08SW-271 31 | | 29.7 | 7.4 | 16 | 3.09 | 0.37 | | |
| 21 | 7/22/2008 | 8:15 | GP08SW-277 27 | | 26.3 | 7.24 | 24 | 6.08 | 0.11 | 290 | 127 |
| 16 | 7/22/2008 | 8:40 | GP08SW-272A27 | | 26.9 | 7.81 | 95 | 6.43 | 0.27 | 100 | 10 |
| 16 | 7/22/2008 | 8:40 | GP08SW-272B27 | | 26.9 | 7.81 | 95 | 6.43 | 0.27 | 40 | 10 |
| 20 | 7/22/2008 | 9:05 | GP08SW-276 28 | | 27.4 | 7.8 | 15 | 4.47 | 0.12 | 710 | 40 |
| 19 | 7/22/2008 | 1:15 | GP08SW-275 37 | | 31.8 | 7.95 | 34 | 8.69 | 0.04 | 80 | 110 |
| 14 | 7/22/2008 | 10:25 | GP08SW-270 32 | | 27.6 | 7.83 | 4.5 | 7.68 | 0.13 | 170 | 836 |
| 12 | 7/22/2008 | 10:45 | GP08SW-268 32 | | 26.4 | 7.35 | 4.1 | 4.73 | 0.22 | 470 | 1254 |
| 9 | 7/22/2008 | 11:05 | GP08SW-265 33 | | 28.1 | 7.8 | 7.3 | 7.35 | 0.07 | 50 | 140 |
| 10 | 7/22/2008 | | GP08SW-266 | | | | | | | | |
| 22 | 7/22/2008 | 11:40 | GP08SW-278 34 | | 26.9 | 7.56 | 10 | 4.44 | 3.43 | 12500 | 40000 |
| 11 | 7/22/2008 | 12:30 | GP08SW-267 36 | | 29.9 | 7.59 | 9.8 | 4.02 | 0.25 | 310 | 430 |
| 18 | 7/22/2008 | 12:45 | GP08SW-274 37 | | 32.3 | 7.98 | 70 | 11.44 | 0.01 | 840 | 80 |
| 17 | 7/22/2008 | 9:30 | GP08SW-273 30 | | 28.6 | 7.77 | 23 | 7.26 | 0.23 | 80 | 40 |
| 2 | 7/23/2008 | 9:10 | GP08SW-259 28 | | 28 | 8.13 | 2.9 | 10.14 | 0.1 | 1236 | 10 |
| 3 | 7/23/2008 | 8:15 | GP08SW-260B27 | | 27.6 | 7.1 | 27 | 6.99 | 0.06 | 210 | 127 |
| 1 | 7/23/2008 | 8:35 | GP08SW-258 27 | | 25.5 | 7.61 | 34 | 5.96 | 0.22 | 100 | 218 |
| 3 | 7/23/2008 | 8:15 | GP08SW-260A27 | | 27.6 | 7.1 | 27 | 6.99 | 0.06 | 160 | 20 |
| 4 | 7/23/2008 | | GP08SW-261 | | | | | | | | |
| 5 | 7/23/2008 | | GP08SW-279 | | | | | | | | |
| 6 | 7/23/2008 | 8:55 | GP08SW-262 28 | | 29.2 | 7.61 | 31 | 6.54 | 0.19 | 1254 | 2900 |
| 8 | 7/23/2008 | 9:48 | GP08SW-264 29 | | 27.4 | 7.57 | 4.1 | 5.92 | 0.08 | 1145 | 27500 |
| 7 | 7/23/2008 | | GP08SW-263 | | | | | | | | |

APPENDIX D
Interlocal Agreement

STATE OF TEXAS)
COUNTY OF DALLAS)

INTERLOCAL AGREEMENT BETWEEN CITY OF GRAND PRAIRIE
AND THE DALLAS COUNTY FLOOD CONTROL DISTRICT #1
CONCERNING JOINT SUBMISSION OF THE STORM WATER MANAGEMENT PROGRAM

This agreement is between the City of Grand Prairie, by and through its duly authorized City Manager, and the Dallas County Flood Control District #1, by and through its President. It is an Interlocal Agreement between two political subdivisions within the State of Texas, authorized in Chapter 791 of the Texas Government Code, and concerning an item of mutual interest and importance. This Interlocal Agreement for the joint submission of a Storm Water Management Program to satisfy the requirements of the permit application to the Texas Commission on Environmental Quality (TCEQ) for compliance with Texas Pollutant Discharge Elimination System (TPDES) General Permit No. TXR040000 relating to storm water discharges associated with small municipal separate storm sewer systems is made and entered into by and between the City of Grand Prairie, Texas (hereafter referred to as the “**CITY**”), and the Dallas County Flood Control District #1 (hereafter referred to as the “**DISTRICT**”).

WHEREAS, the **CITY** and the **DISTRICT** mutually desire to enter into an **AGREEMENT** to partner with each other in the joint submission of a Storm Water Management Program to the TCEQ for compliance with Phase II requirements; and

WHEREAS, the parties recognize the joint benefits in the joint submission of a Storm Water Management Program; and

NOW, THEREFORE, FOR AND IN CONSIDERATION OF THE MUTUAL COVENANTS SET OUT HEREIN, the City of Grand Prairie and the Dallas County Flood Control District #1 agree as follows:

1. The **CITY** and the **DISTRICT** agree to a joint submission of a Storm Water Management Program to the TCEQ in compliance with Phase II requirements.
2. The **CITY** and the **DISTRICT** agree that services related to the inspection and maintenance of **DISTRICT** owned storm water systems within the **DISTRICT** boundaries, as noted in Attachment 1, will continue to be the financial responsibility of the **DISTRICT**.
3. The **CITY** and the **DISTRICT** agree that the **CITY** will perform all of the required portions of the Storm Water Management Program in regards to: the minimum control measures within the City of Grand Prairie including within the limits of the **DISTRICT**, with the exception of MCM 6.3 and MCM 6.4, as denoted in the Storm Water Management Program. The **DISTRICT**'s specific responsibilities are defined in MCM 6.10 and MCM 6.11, as shown in Attachment 2, relating to the maintenance of drainage components and disposal of waste removed from the MS4, as denoted in the Storm Water Management Program.
4. The **CITY** and the **DISTRICT** agree that the **DISTRICT** will provide detailed information on **DISTRICT** activities within the **DISTRICT** boundaries in the City of Grand Prairie to the **CITY** by October 1 of each year

for the next five (5) years, in an electronic format so that the **CITY** may complete its annual report to the TCEQ.

5. The parties represent by the execution of this document that they have authority to act, and that the appropriate body has taken action to approve this contract.

6. Neither party intends by entry into this agreement to waive any immunity that it might have in the performance of its governmental duties.

Executed on this 5th day of February, 2008.

CITY OF GRAND PRAIRIE

by: _____
Printed Name: _____
Title: _____

ATTEST:

CITY SECRETARY

APPROVED AS TO FORM:

CITY ATTORNEY

DALLAS COUNTY FLOOD CONTROL DISTRICT #1

by: _____
Printed Name: _____
Title: _____

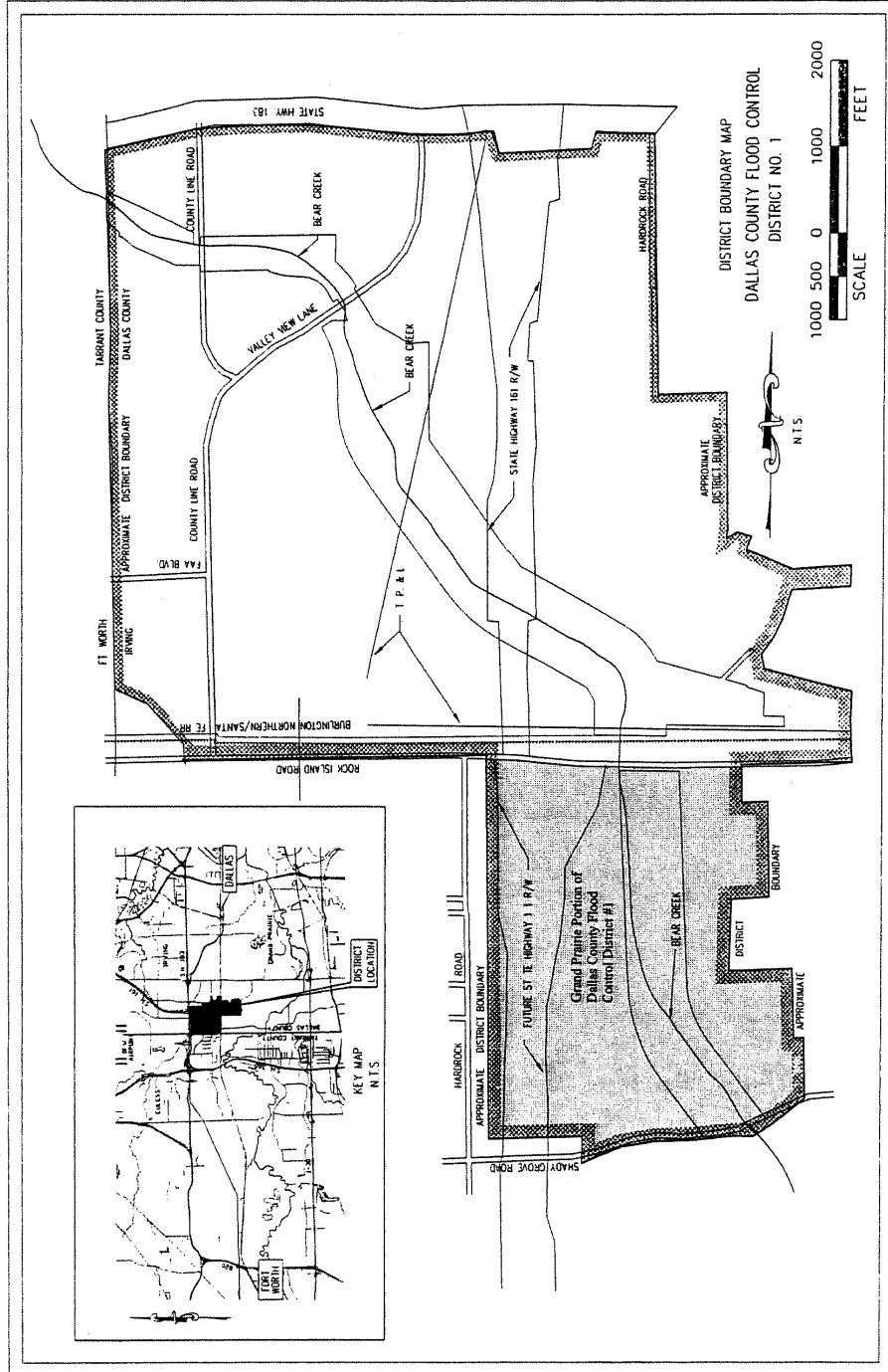
ATTEST:

by: _____

APPROVED AS TO FORM:

ATTORNEY FOR THE DALLAS COUNTY FLOOD CONTROL DISTRICT #1

ATTACHMENT 1



ATTACHMENT 2

MCM 6. Pollution Prevention/Good Housekeeping for Municipal Operations

40 CFR 122.34 (b) (6) –Develop and implement an operation and maintenance program that includes a training component and has the ultimate goal of preventing or reducing pollutant runoff from municipal operations.

Selected BMPs for Pollution Prevention/Good Housekeeping for Municipal Operations

| BMP | BMP Description | Measurable Goals | Responsibility | Target Date |
|---|---|---|---|--------------------|
| 6.1 Storm Water Management Program Data Tracking | Track all city activities related to the Storm Water Management Program through a data tracking program. Software will be utilized to assist with the tracking. | 1. Purchase and utilize software | Environmental Services Department, Environmental Quality Division | Year 1 |
| | | 2. Create annual report | | Year 2 |
| 6.2 Existing SWP3s | Three existing SWP3s are maintained for the Airport, the Landfill, and the Service Center, as required by the general permit TXR05000. | 1. Maintain and update SWP3s for the permits at the three existing regulated facilities | Environmental Services Department, Environmental Quality Division | Years 1 – 5 |
| | | 2. Review the SWP3s annually for any changes required | | Years 1 – 5 |
| | | 3. Inspect all three sites annually | | Years 1 – 5 |
| | | 4. Ensure that required annual SWP3 training is conducted | | Years 2 – 5 |

| | | | | |
|--|--|---|---|-------------|
| 6.3 Storm Sewer and Drainage Maintenance Program | Conduct maintenance along the inlets, ditches, pipes, and channels for structural improvements when noted through citizen complaints and through field observations. Use permanent vegetation to stabilize disturbed soil. | 1. Hire a crew of 3 to maintain storm sewer and drainage 2. Respond to 100% of citizen complaints 3. Track storm sewer and drainage maintenance | Public Works Department, Streets Division | Years 1 – 5 |
| | | | | Years 1 – 5 |
| | | | | |
| 6.4 Disposal of Waste Removed from the MS4 | Develop a standard operating procedure for the disposal of waste removed from the MS4, including any dredged soil, accumulated sediments, and floatables. | 1. Develop an SOP for waste disposal | Environmental Services, Environmental Quality Division | Year 2 |
| 6.5 Storm Water Pollution Prevention Guidelines for all City Activities | Develop pollution prevention guidelines for selected city activities not covered by a specific TPDES permit. Training materials will be developed from NCTCOG Storm Water training materials, as indicated by BMP 3.8. | 1. Identify target audience and activities for the pollution prevention plan | Environmental Services Department, Environmental Quality Division | Year 2 |
| | | 2. Review Phase 1 city SWP3s as well as suggested EPA and TCEQ BMPs | | Year 2 |
| | | 3. Design the SWPP materials for selected city employees | Environmental Services Department, Environmental Quality Division | Years 3 – 4 |
| | | 4. Begin developing, purchasing and disseminating SWPP materials to selected city employees annually | | Years 5 |
| 6.6 Promotion of Native or Adaptive Vegetation Along Floodplain Easements | Promote good storm water filtration and natural uptake of possible nutrient pollutants by native and/or adaptive vegetation. | 1. Identify at least 2 areas to promote native vegetation | Environmental Services Department, Environmental Quality Division and Public Works Department, Streets Division | Year 2 |
| | | 2. Choose location and design for signage and formalize sign budget | | Year 3 |

| | | | | | |
|--|---|---|--|---------------------------------------|---------------------------------|
| | | | <p>3. Install at least 1 sign for each area and define management area</p> <p>4. Identify future areas suitable for promotion of vegetation as the city continues to develop</p> | | <p>Year 4 – 5</p> <p>Year 5</p> |
| 6.7 Mosquito Management Program | Maintain mosquito management methods that will not result in illicit discharges to the MS4. | <p>1. Maintain integrated mosquito management methods when handling and applying pesticides</p> <p>2. Use low toxicity bio-controls for larvae control</p> | <p>Environmental Services Department, Environmental Quality Division</p> | <p>Years 1 – 5</p> <p>Years 1 – 5</p> | |
| 6.8 Street Sweeping | Remove solid pollutants from the streets to avoid contamination of the storm sewer system. | <p>1. Sweep major thorough fares on an annual basis and more often on high traffic roads</p> | <p>Environmental Services Department, Solid Waste Division</p> | <p>Years 1 – 5</p> | |
| 6.9 Inspect City Facilities | Inspect city facilities for Best Management Practices. | <p>1. Inspect 25% of city facilities annually</p> | <p>Environmental Services Department, Environmental Quality Division</p> | <p>Years 2 – 5</p> | |
| 6.10 Storm Sewer and Drainage Maintenance Program for the Dallas County Flood Control District #1 (excluding the City of Grand Prairie – see MCM 6.3) | Conduct maintenance and improvements for the drainage components owned by the Dallas County Flood Control District #1 when noted through written complaints and through field observations. | <p>1. Respond to written complaints within the District</p> <p>2. Perform annual maintenance reviews and prepare report</p> <p>3. Make necessary repairs to District facilities</p> | <p>Dallas County Flood Control District #1</p> | <p>Years 1 – 5</p> <p>Years 1 – 5</p> | |
| 6.11 Disposal of Waste Removed from the MS4 for the Dallas County Flood Control District #1 (excluding the City of Grand Prairie – see MCM 6.4) | Develop a standard operating procedure for the disposal of waste removed from the Dallas County Flood Control District #1's storm water system. | <p>1. Develop a SOP for waste disposal</p> | <p>Dallas County Flood Control District #1</p> | <p>Year 2</p> | |