City of Farmers Branch
Storm Water Management Program
Phase II MS4 Permit No. TXR040000
Permit Term 01/01/2015 through 12/31/2019
Revised 10/31/2017

City of Farmers Branch
13000 William Dodson Parkway
Farmers Branch, TX 75381
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Note: Implementation dates are subject to change. The subsequent goals will be met within the specified year. The Storm Water Management Plan covers the entire City of Farmers Branch including areas outside the designated urbanized area.

1.0 Public Education, Outreach, and Involvement

The Public Education, Outreach, and Involvement minimum measure consists of Best Management Practices (BMPs) that focus on the development of educational materials designed to inform public employees, businesses, and the general public of hazards associated with the illegal discharges and improper disposal of waste and about the impact that stormwater discharges can have on local waterways, as well as steps the public can take to reduce pollutants in stormwater. The permittee will assess current programs and modify as necessary to continue reducing the discharge of pollutants from the MS4. The target pollutant sources are construction site runoff, impacts from new and re-development, illicit discharges and other pollutant sources as identified to be of local concern, i.e. approved TMDL parameters. Evaluation of the success of this minimum measure will be through careful analysis of the measurable goals for each BMP included in this minimum measure. Measurable goals for each BMP were selected by formulating attainable goals for the various BMP implementation steps or tasks. The responsibility for implementation of this minimum measure is described with each BMP procedure.

Best Management Practices:

1. Storm Water Media (brochures, flyers, bookmarks, CD's, pet waste bag holders): Distribution of media for the purpose of educating residents, visitors, public service employees, businesses, commercial and industrial facilities and construction site personnel on storm water quality issues.

Implementation Tasks:

1. Update the list of appropriate locations for media postings and acquire permission of location owners for posting, if necessary.

2. Annually report on the number of media posted under this program.

3. Post media at selected locations.

Measurable Goals:

Year 1-5: Annually post 100 media at selected locations, including library and Animal Adoption Center.
Year 1-5: Purchase 500 pet waste bag holders for distribution through Animal Adoption Center and special events.

Responsible Party:

Sustainability and Public Health

2. Storm Water Quality Web Site: Maintenance of a web site in the Environmental Health Division home page designed to education the public on the impacts of storm water runoff on local water bodies.

Implementation Tasks:

1. Update the web site in the Environmental Health Division home page designed to education the public on the impacts of storm water runoff on local water bodies.

2. Post new information to the website as necessary.

4. Maintain records of website traffic using a sign-in log or hit counter.

5. Annually report on website traffic under this program.

Measurable Goals:

Year 2: Update the storm water quality website to include new information.

Responsible Party:

Sustainability and Public Health

3. Public Service Announcements: Broadcasting of public service announcements (PSA's) that focus on the impacts of storm water runoff on local water bodies and steps the public can take to reduce storm water pollution.

Implementation Tasks:

1. Broadcast PSA's as local media and radio schedules permit.

2. Maintain records of the types of PSA's under this program.

3. Annually report on the types of PSA's under this program.

Measurable Goals:

Year 1-5: Broadcast public service announcements as local media schedules permit.

Year 1-5: Annually air PSA's 100 times on FBTV or other channels in Farmers Branch.

Responsible Party:

Sustainability and Public Health

4. Pet Waste Video: In cooperation with various cities, a pet waste video was produced to air on local cable TV.

Implementation Tasks:

1. Air pet waste video on local cable TV.

Measurable Goals:

Year 1-5: Annually air PSA's 100 times on FBTV or other channels in Farmers Branch.

Responsible Party:

Sustainability and Public Health and Communications Department

5. Participation in NCTCOG Regional Storm Water Program: City participates in NCTCOG Regional Storm Water Program and pays annual cost share to participate in program.

Implementation Tasks:

1. Participate in program and serve on committees as needed.

Measurable Goals:

Year 1-5: Share resources and information to promote water quality in North Texas.

Responsible Party:

Sustainability and Public Health

6. Pet Waste Station Installation and Maintenance: Parks and Recreation Department has installed pet waste stations with disposable collection bags and waste disposal containers for pet waste. The department maintains the stations.

Implementation Tasks:

1. Maintain pet waste stations.

Measurable Goals:

Year 1-5: Estimate the number of dog waste bags purchased for pet waste stations.

Responsible Party:

Parks and Recreation

7. Proper Disposal of Household Hazardous Waste: Provide HHW information on City's website and continue participation in Dallas County HHW Network for the life of the program.

Implementation Tasks:

1. Report citizen participation in HHW Network.

2. Provide technical assistance and pickup, if necessary, for senior citizens in community.

Measurable Goals:

Year 1-5: Annually report number of HHW participants.

Responsible Party:

Public Works and Sustainability and Public Health

8. Participation in the Upper Trinity Watershed Partners (UTWP): UTWP is composed of stakeholders from local, state, and federal government agencies, including the University of North Texas and the North Central Texas Council of Governments, environmental protection organizations, and concerned individuals. Farmers Branch is a charter member. The Upper Trinity River Watershed includes jurisdictions which discharge storm water into Lake Lewisville.

Implementation Tasks:

1. Assist with education seminars and other projects as time permits.

2. Maintain level of annual financial support to UTWP to maintain education and outreach program.

Measurable Goals:

Year 1: Provide sponsorship to the annual Upper Trinity Watershed Partners (UTWP) education workshop or similar workshops.

Year 1-5: Promote cooperative initiatives in Upper Trinity River watershed to support safe drinking water for Farmers Branch.

Year 1-5: Maintain level of annual financial support to UTWP to maintain education and outreach program.

Responsible Party:

Sustainability and Public Health

9. Public Notification Process of Storm Water Management Plan (SWMP): In accordance with state law, public comments will be accepted regarding the draft SWMP. Written responses will be provided to each written comment received from Farmers Branch citizens.

Implementation Tasks:

1. Provide public notice in local newspaper of TPDES permit application and 30-day comment period.

2. Provide draft SWMP on city website for public review.

3. Provide written responses to comments received from public during the 30-day comment period.

Measurable Goals:

Year 1-2: Meet all state and federal requirements.

Responsible Party:

Sustainability and Public Health

10. Storm Drain Curb Markers: Installation of storm drain curb markers.

Implementation Tasks:

1. Update list of groups that may be willing to participate in the storm drain stenciling program including consideration of the following groups: - Local boy and Girl Scout organizations- Local school groups- Local fund raising groups- Other civic organizations

2. Invite targeted groups to participate in the storm drain curb marker program.

3. Provide necessary support to volunteers participating in installing storm drain curb markers.

4. Maintain records of participation of volunteer groups.

5. Annually report on number of curb markers installed on storm drains.

Measurable Goals:

Year 2: Invite targeted groups to participate in curb drain marker program.

Year 2: Identify new target areas or streets to be included in the storm drain curb marker program. Begin installing curb drain markers.

Year 1-5: Annually install 50 curb drain markers on curb drains in the City.

Responsible Party:

Sustainability and Public Health, Public Works, and Volunteers

11. Community Hotline: Maintain a community hotline for the public to call and report storm water quality problems.

Implementation Tasks:

1. Update and distribute public education materials via the city website that detail the types of storm water quality issues that should be reported through the community hotlines.

2. Maintain records of public reports and comments received under this program.

3. Annually report on the number and type of public reports received through the community hotlines.

Measurable Goals:

Year 2: Distribute community hotline public education material in accordance with identified schedule utilizing city's website and/or other media outlets.

Responsible Party:

Sustainability and Public Health, Communications

2.0 Illicit Discharge Detection and Elimination (IDDE)

The Illicit Discharge Detection and Elimination (IDDE) minimum measure consists of Best Management Practices (BMPs) that focus on the detection and elimination of illicit discharges into the MS4. The BMPs describe map update procedures; enforcement procedures and actions to ensure that the regulatory mechanism is implemented; the dry weather screening program and procedures for tracing and locating the source of an illicit discharge; procedures for locating priority areas; and procedures for removing the source of the illicit discharge. BMPs focusing on education and training of public employees, businesses, and the general public with regard to the hazards associated with illegal discharges and improper disposal of waste are described in the Public Education minimum measure. Evaluation of the success of this minimum measure will be through careful analysis of the measurable goals for each BMP included in this minimum measure. Measurable goals for each BMP were selected by formulating attainable goals for the various BMP implementation steps or tasks. The responsibility for implementation of this minimum measure is described with each BMP procedure.

Best Management Practices:

1. Illicit Discharge Legal Authority: Prohibit illicit discharges of non-storm water to the MS4 using established legal authority.

Implementation Tasks:

1. Identify illicit discharges to the MS4 through the MS4 outfall screening programs.

2. Develop local procedures for the elimination of identified illicit discharges.

3. Maintain records of each illicit discharge identified and the corresponding corrective actions taken to eliminate the illicit discharge.

4. Enforce the regulations as appropriate to regulate storm water discharges.

5. Annually report on the number of illicit discharges that are identified, eliminated, and the associated enforcement actions issued.

Measurable Goals:

Year 1-5: Properly document all illicit discharges and actions taken.

Responsible Party:

Sustainability and Public Health

2. Maintain the MS4 and Outfall Inventory: Maintain an updated map of the MS4 indicating the location of storm water discharge outfalls.

Implementation Tasks:

1. Identify new outfalls and drainage structures during the review of development and construction plans.

2. Update the map of the MS4 system annually to include new outfalls and drainage structures.

3. Include new outfalls found in the field while found by other department conducting the MS4 outfall-screening program.

4. Annually report on the number of new outfall locations identified under this program.

Measurable Goals:

Year 1-5: Identify new outfalls and drainage structures during the review of development and construction plans.

Year 1-5: Annually update the map of the MS4 including MS4 receiving streams, storm water outfalls, permit coverage area, and any other information that may be required by the designated NPDES permitting authority.

Responsible Party:

Public Works

3. MS4 Dry Weather Outfall Screening: Conduct systematic inspection of outfalls in the MS4 in order to identify the presence of illicit discharges and sample outfalls utilizing dry weather screening.

Implementation Tasks:

1. Review outfall screening forms and procedures for record keeping and data entry into MS4 outfall screening databases and update as needed.

2. Train personnel in field analytical techniques necessary for the identification of illicit discharges.

3. Investigate outfall drainage systems that are identified as having non-storm water discharges from the MS4 and eliminate illicit discharges according to local storm water regulations.

4. Maintain records of outfall screening and investigations for each outfall and any elimination activities.

5. Annually report on the number of outfalls screened, number of non-storm water discharges, number of illicit discharges, and elimination activities conducted under this program.

Measurable Goals:

Year 1-5: Complete screening of at least 50 of the storm water outfalls that discharge to the MS4 per year.

Responsible Party:

Sustainability and Public Health

4. Illicit Discharge Employee Training: Educate permittee personnel on the identification of illicit discharges and procedures for reporting observations to outfall inspection personnel.

Implementation Tasks:

1. Conduct training of personnel according to the schedule.

2. Annually report on the personnel training program in terms of the number of training sessions conducted and employee attendance.

3. Review the employee training program once per permit term in order to evaluate employee competence on the identification and reporting of illicit discharges.

Measurable Goals:

Year 1-5: Conduct training for identified personnel in accordance with the identified schedule.

Responsible Party:

Sustainability and Public Health

5. Sanitary Sewer System Overflow Elimination: Identify and reduce the occurrences of sanitary sewer system overflows. Report sanitary sewer system overflows as required by TCEQ regulations.

Implementation Tasks:

1. Maintain a sanitary sewer system map of the area within the regulated MS4 boundary. Update as necessary.

2. Investigate locations of reported sanitary sewer system overflows reported by the public.

3. Properly document and report the location and characteristics of each sanitary sewer system overflow detected to the TCEQ.

4. Determine steps necessary to eliminate each sanitary sewer system overflow identified.

5. Annually report on the number of sanitary sewer system overflows identified.

Measurable Goals:

Year 1-5: Properly document and report the location and characteristics of each sanitary sewer system overflow detected to the TCEQ.

Year 1-5: Investigate locations of reported sanitary sewer system overflows reported by the public.

Year 1-5: Maintain a sanitary sewer system map of the area within the regulated MS4 boundary.

Year 1-5: Maintain the education program to all residential customers for the proper disposal of grease. The information will be included in the City's Monthly newsletter.

Year 1-5: Annually clean 30,000 feet of the collection system.

Year 1-5: Perform inspections of existing manholes. Contracted maintenance crews will rehabilitate manholes when necessary as they are identified during the inspection process.

Responsible Party:

Public Works

6. On-site sewage disposal systems: There are no OSSFs within the MS4 boundaries.

3.0 Construction Site Stormwater Runoff Control

The Construction Site Runoff Control minimum measure consists of Best Management Practices (BMP's) that focus on the reduction of pollutants in any storm water runoff to the MS4 from construction activities that result in a land disturbance of greater than or equal to one acre. Reduction of storm water discharges from construction activity disturbing less than one acre will be considered if it is part of a larger common plan of development or sale that would disturb one acre or more. The BMPs describe enforcement procedures and actions to ensure compliance; requirements for construction site operators to implement appropriate erosion and sediment control BMPs; requirements for construction site operators to control waste such as discarded building materials, concrete truck washout, chemicals, litter and sanitary waste at the construction site; procedures for site plan review which incorporate the consideration of potential water quality impacts; procedures for receipt and consideration of information submitted by the public; and procedures for site inspection and enforcement of control measures. Evaluation of the success of this minimum measure will be through careful analysis of the measurable goals for each BMP included in this minimum measure. Measurable goals for each BMP were selected by formulating attainable goals for the various BMP implementation steps or tasks. The responsibility for implementation of this minimum measure is described with each BMP procedure.

Best Management Practices:

1. Construction Legal Authority: Use established legal authority (Farmers Branch Code of Ordinances, Sec. 34-81 through 34-84), which regulates construction sites in accordance with local, state, and federal laws.

Implementation Tasks:

1. Enforce the regulations as appropriate to regulate storm water discharges from local construction sites.

Measurable Goals:

Year 1-5: Enforce the regulations as appropriate to regulate storm water discharges from local construction sites.

Responsible Party:

Sustainability and Public Health

2. Construction Inspection Procedures: Update inspection procedures and educate the local construction community on local storm water regulations related to construction activities

Implementation Tasks:

1. Update inspection forms and procedures necessary to inspect local construction sites in order to ensure compliance with local construction storm water regulations for use on mobile devices.

Measurable Goals:

Year 2: Update draft inspection forms and procedures necessary to inspect local construction sites in order to ensure compliance with local construction storm water regulations.

Year 2: Produce the final version of the local development project inspection forms and procedures for use on mobile devices.

Responsible Party:

Sustainability and Public Health

3. Construction Plans Review: Maintain a construction plans review process that focuses on compliance with local construction storm water regulations.

Implementation Tasks:

1. Review the process to obtain construction plans for review to determine compliance with local construction storm water regulations.

2. Implement the updated construction plans review procedures for local construction sites.

3. Notify the owners of construction plans when deficiencies are found in the plans during the review process.

4. Maintain records of plans reviewed and approved for construction under this program for 1 year from the expiration of the permit.

5. Annually report on the number of plans reviewed, approved and rejected under the plans review program.

Measurable Goals:

Year 2: Implement the construction plans review procedures for local construction sites.

Year 2: Develop a process to obtain construction plans for review to determine compliance with local construction storm water regulations.

Responsible Party:

Sustainability and Public Health, Public Works

4. Construction Site Inspection: Conduct inspections of local construction sites that discharge storm water to the MS4 to determine compliance with local construction storm water regulations and use established legal authority to conduct enforcement and corrective actions.

Implementation Tasks:

1. Review internal procedures for tracking new and on-going construction activities.

2. Train new permittee inspection personnel on local construction storm water regulations and inspection procedures.

3. Inspect qualifying construction sites using appropriate inspection procedures and forms to ensure compliance with local storm water regulations.

4. Issue enforcement actions to owners and operators of local construction sites that are not in compliance with local construction storm water regulations.

5. Maintain records of construction site inspections, enforcement actions, and corrective actions performed by local construction site owners and operators.

6. Annually report on the total number of construction sites permitted, the number of construction sites inspected, and the number of enforcement actions issued.

Measurable Goals:

Year 1-5: Issue enforcement actions to owners and operators of local construction sites that are not in compliance with local construction storm water regulations.

Year 1-5: Inspect qualifying construction sites using appropriate inspection procedures and forms to ensure compliance with local storm water regulations.

Responsible Party:

Sustainability and Public Health

5. Permittee Owned Construction Sites: Comply with local, state, and federal construction storm water regulations that apply to permittee owned and operated construction sites.

Implementation Tasks:

1. Review permittee construction project planning and design criteria to determine changes needed to comply with local, state, and/or federal construction storm water regulations.

2. Develop documents (Notice Of Intent (NOI), Storm Water Pollution Prevention Plans (SWP3's), inspection forms) required for obtaining state and/or federal construction storm water permits applicable to permittee owned and operated construction sites.

3. Submit required documents in order to obtain permit coverage for permittee owned and operated projects and comply with applicable state and/or federal construction storm water permit provisions.

4. Maintain compliance records for permittee owned and operated construction sites requiring state and/or federal construction storm water permits.

5. Annually report on the number of permittee owned and operated construction projects permitted under state and/or federal construction storm water regulations.

Measurable Goals:

Year 1-5: Submit required documents in order to obtain permit coverage for permittee owned and operated projects to maintain compliance with applicable state and/or federal construction storm water permit provisions.

Year 1-5: Develop documents required for obtaining state and/or federal construction storm water permits applicable to permittee owned and operated construction sites.

Year 2: Review permittee owned construction project, planning, and design criteria to determine changes needed to comply with local, state, and/or federal construction storm water regulations.

Responsible Party:

Public Works

4.0 Post-Construction Stormwater Management in New Development and Redevelopment

The Post-Construction Storm Water Management in New Development and Redevelopment minimum measure consists of Best Management Practices (BMPs) that focus of the prevention or minimization of water quality impacts from new development and redevelopment projects that disturb greater than or equal to one acre, including projects less than one acre that are part of a larger common plan of development or sale that discharge into the small MS4. The BMPs describe structural and/or non-structural practices; and procedures to ensure long term operation and maintenance of BMPs. BMPs focusing on education programs for developers and the general public with regard to project designs that minimize water quality impacts are described in the Public Education minimum measure. Evaluation of the success of this minimum measure will be through careful analysis of the measurable goals for each BMP included in this minimum measure. Measurable goals for each BMP were selected by formulating attainable goals for the various BMP implementation steps or tasks. The responsibility for implementation of this minimum measure is described with each BMP procedure.

Best Management Practices:

1. Post-Construction Runoff Legal Authority: Use established legal authority (Farmers Branch Code of Ordinances Sec. 34-86) to require post-construction control measures and maintenance of post-construction control measures in areas of new and redevelopment.

Implementation Tasks:

1. Review the list of local development storm water quality related issues that require regulation including consideration of the following: - Retention of pre-development runoff characteristics- Protection of sensitive water bodies- Open space and landscaping requirements- Increase of impervious area- Cost benefit of structural and non-structural controls- Structural control measures or certification of no impact to hydrological regime or water quality of receiving stream(s) due to local conditions, off-site drainage features, topography, or any other verifiable characteristics- Assurances of long term operation and

maintenance of structural control measures.

2. Enforce the post-construction runoff regulations as appropriate to regulate runoff from new and re-development projects.

3. Maintain inventory of sites subjected to post construction site storm water management.

4. Inspect applicable sites to ensure maintenance of structural and/or non-structural controls.

5. Review long-term maintenance plans for post construction controls.

Measurable Goals:

Year 1: Maintain records of sites inspected. Annually report the number of inspections of structural and/or non-structural controls.

Year 1: Enforce the post-construction runoff regulations as appropriate to regulate runoff from new and re-development projects.

Year 1: Review the list of local development and post-development storm water quality related issues that require local regulation.

Year 1: Copy of filed maintenance plan and proof of filing in property records must be provided to permittee

Responsible Party:

Public Works and Sustainability and Public Health

2. New Development and Re-development Plans Review: Systematically review development and re-development plans to ensure compliance with local post-construction runoff regulations.

Implementation Tasks:

1. Review current process of obtaining development construction plans for review to determine compliance with local post-construction runoff regulations.

2. Maintain records of development plans reviewed and actions taken under this program.

3. Annually report on the number of plans reviewed, approved, and rejected under this program.

Measurable Goals:

Year 2: Review the process used to obtain development construction plans for review to determine compliance with local post-construction runoff regulations.

Responsible Party:

Sustainability and Public Health and Public Works

3. Development Project Inspection Procedures: Update inspection forms and procedures for new development and re-development project inspections based on the local post-construction runoff

regulations.

Implementation Tasks:

1. Review the list of items to incorporate in the inspection of development and re-development project sites based on the final post-construction runoff control regulations including consideration of the following: - Construction of controls according to approved development plans and specifications- Adherence to any legal commitment to operate or maintain permanent storm water quality structures- Conformance to open space and landscaping requirements- Conformance to any low impact development standards

2. Update inspection forms and procedures necessary to inspect local new and re-development projects in order to ensure compliance with local post-construction runoff regulations and approved plans.

3. Produce the final version of the local development project inspection forms and procedures for use on mobile devices.

Measurable Goals:

Year 2: Produce the final version of the local development project inspection forms and procedures for use on mobile devices.

Responsible Party:

Sustainability and Public Health

4. New Development and Re-development Project Inspection: Inspect local new development and re-development projects to ensure conformance to approved plans and local post-construction runoff regulations.

Implementation Tasks:

1. Review internal tracking procedures for tracking development projects that are under construction and that have been completed.

2. Train new inspection personnel on local post-construction runoff regulations and final inspection procedures.

3. Inspect qualifying development project sites using adopted inspection forms and procedures to ensure conformance with local post-construction runoff regulations.

4. Issue enforcement actions to owners or operators of local development projects that are not in compliance with local post-construction runoff regulations.

5. Maintain records of development project site inspections, enforcement actions, and corrective actions performed by local development project owners.

6. Annually report on the number of development project sites inspected, and the number of enforcement actions issued.

Measurable Goals:

Year 1-5: Issue enforcement actions to owners or operators of local development projects that are not in

compliance with local post-construction runoff regulations.

Year 1-5: Inspect qualifying development project sites using adopted inspection forms and procedures to ensure conformance with local post-construction runoff regulations.

Year 1-5: Train new inspection personnel on local post-construction runoff regulations and final inspection procedures.

Year 1-5: Maintain a list of local development projects that qualify for inspection under local post-construction runoff regulations.

Responsible Party:

Sustainability and Public Health

5. Permittee Owned New Development and Re-development Projects: Comply with local post-construction runoff regulations and plans review requirements on permittee owned and operated new development and re-development projects.

Implementation Tasks:

1. Review permittee construction project planning and design criteria to determine changes needed to comply with local, state, and/or federal construction storm water regulations.

2. Conduct the development plans review process for all permittee owned new development and re-development projects.

3. Conduct inspections of permittee owned development projects.

4. Maintain records of permittee owned development projects approved, inspected, and records of structural control maintenance if applicable.

5. Report annually on the number of permittee owned projects approved, constructed, and inspected.

Measurable Goals:

Year 1-5: Conduct inspections of permittee owned development projects in accordance with the same standards as private development project inspections.

Year 1-5: Conduct the development plans review process for all permittee owned new development and re-development projects.

Responsible Party:

Public Works

5.0 Pollution Prevention and Good Housekeeping for Municipal Operations

The Pollution Prevention and Good Housekeeping for Municipal Operations minimum measure consists of Best Management Practices (BMPs) that focus on training and on the prevention or reduction of

pollutant runoff from municipal operations. The BMPs describe the use of available training materials available from the EPA, State, Tribe or other organizations; specific municipal operations that are impacted by the proposed operation and maintenance programs (BMPs); a list of municipally-owned industrial facilities which require other storm water discharge permits; maintenance activities, schedules and long term inspection procedures for controls to reduce floatables and other pollutants; controls for reducing or eliminating the discharge of pollutants from streets, roads, highways, municipal parking lots, maintenance and storage yards, waste transfer stations fleet or maintenance shops with outdoor storage areas, and salt/sand storage locations and snow disposal areas; procedures for the proper disposal of waste removed from the MS4 and municipal operations, including dredge spoil, accumulated sediments, floatables and other debris; and procedures to ensure that new flood management projects are assessed for impacts on water quality and existing projects are assessed for incorporation of additional water quality protection devices or practices. Evaluation of the success of this minimum measure will be through careful analysis of the measurable goals for each BMP included in this minimum measure. Measurable goals for each BMP were selected by formulating attainable goals for the various BMP implementation steps or tasks. The responsibility for implementation of this minimum measure is described with each BMP procedure.

Municipally owned industrial activities subject to TPDES industrial storm water regulations:
Camelot Land Fill located at 580 Huffines BLVD, Lewisville TX, 75056

Best Management Practices:

1. Street Sweeping: Sweeping of streets and roadways in order to reduce the amount of sediment and associated pollutants discharged to the MS4 from roadways.

Implementation Tasks:

1. Provide monthly reports, which identify the number of miles of street swept.

2. Schedule and implement street sweeping of identified roadways.

3. Maintain records of distance swept using curb or lane miles.

4. Adjust sweeping schedules according to program assessment on an annual basis.

5. Annually report on the distance swept using curb miles.

6. Dispose of wastes according to federal, state and local regulations.

Measurable Goals:

Year 1-5: Street sweep a minimum of 800 curb miles of roadway per year.

Year 2: Implement street sweeping in accordance with the identified schedule.

Responsible Party:

Public Works

2. Pesticide, Herbicide, and Fertilizer Application: Train employees on the proper use of pesticide, herbicide, and fertilizer products.

Implementation Tasks:

1. Comply with local, state, and federal regulations associated with pesticide and herbicide application (licensing regulations), and disposal.

2. Annually report on the total volume of pesticide and herbicide applied and the progress of any projects that results in a reduction of pesticide and herbicide application volumes.

Measurable Goals:

Year 2: Review current Chemical Application Plan (CAP), which limits runoff of chemicals from rainfall events and modify if needed.

Year 1-5: Comply with local, state, and federal regulations associated with pesticide and herbicide application.

Responsible Party:

Parks and Recreation

3. Catch Basin Cleaning: Reduce sediment and floatable materials discharges by routinely cleaning MS4 catch basin and storm water inlet structures. Target storm water inlet boxes, which impact the Farmers Branch Creek Watershed. Identify problem areas such as major roadways and adjust frequency of cleaning storm water inlet structures. Install inlet protection as funding will allow to minimize floatable materials.

Implementation Tasks:

1. Review current schedule for cleaning inlet structures, catch basins, and manholes in the identified areas**.**

2. Implement the catch basin, surface inlets, and/or storm sewer manholes cleaning according to the developed schedule**.**

3. Evaluate the catch basin cleaning schedule on an annual basis.

4. Annually report on the number of inlet baskets, catch basins, surface inlets, and other MS4 structures cleaned.

5. Dispose of wastes according to federal, state and local regulations.

Measurable Goals:

Year 2: Implement the catch basin cleaning program according to the developed schedule.

Year 1-5: Identify areas where catch basins, surface inlets, and/or storm sewer manholes should be periodically cleaned to reduce discharge of floatable materials, sediment, and other materials. Record number of storm water inlets cleaned and utilize visual creek inspections to evaluate effectiveness in the reduction of floatables in the watershed.

Responsible Party:

4. Landscaping and Lawn Care: Reduce the discharge of landscaping and lawn care waste from permittee owned facilities through better mowing and landscaping maintenance practices.

Implementation Tasks:

1. Evaluate current landscaping and lawn care activities in order to identify opportunities to reduce the discharge of the following: - Fertilizers- Leaf litter and tree trimmings- Litter and floatable materials- Equipment fluids

2. Report annually on the activities conducted under this program.

Measurable Goals:

Year 1-5: Report estimated cubic yards of floatables removed from City parks.

Responsible Party:

Parks and Recreation

5. Vehicle Maintenance: Maintain permittee owned vehicles according to manufacturer's specifications and identify and eliminate vehicle fluid leaks. Conduct weekly inspections of Senlac Service Center facility and facilitate cleaning of automotive fluid leaks or spills with assistance from Parks and Recreation and Public Works.

Implementation Tasks:

1. Maintain an inventory of permittee owned vehicles.

2. Conduct routine maintenance of all vehicles and equipment as per established City preventive maintenance schedule using the manufacturer's specifications a as guideline.

3. During every scheduled preventive maintenance of permittee owned and equipment, an inspection for any fluid leaks will be conducted.

4. Any fluid leaks discovered during repairs, preventive maintenance, or operator inspection will be scheduled to be repaired.

5. Maintain vehicle maintenance records and document fluid leak repair activities.

6. Annually report on the number of leaking vehicles repair and the total cost.

7. Dispose of wastes according to federal, state and local regulations.

Measurable Goals:

Year 2: Review vehicle inspection and maintenance records to evaluate conformance to vehicle manufacturer service specifications and local storm water program requirements.

Year 1-5: Maintain an inventory of permittee owned vehicles. Report the number of vehicle and equipment inspections and repairs conducted in a permit year.

Year 1-5: Report the number of fluid leaks repaired.

Responsible Party:

Equipment Services

6. Spill Prevention Plans and Municipal Operations Training: Comply with federal spill prevention control and counter measures plan regulations, and review spill response procedures to ensure storm water quality protection measures are considered during spill response.

Implementation Tasks:

1. Provide annual training to employees who fuel vehicles at the Senlac Service Center and employees involved in municipal operations subject to the house keeping/BMP requirements (street sweeping, catch basin cleaning, and vehicle maintenance). Maintain attendance records pursuant to applicable regulations.

2. Maintain SPCC plans for permittee owned facilities that require plans.

3. Comply with SPCC plan requirements at qualifying permittee owned facilities, including consideration of the following: - Conduct employee training- Maintain spill prevention equipment- Maintain SPCC records- Update and re-certify the SPCC plan according to SPCC regulations

4. Annually report on the number of facilities with SPCC plans and the current status of each SPCC plan.

Measurable Goals:

Year 1-5: Comply with SPCC plan requirements at qualifying permittee owned facilities.

Year 1-5: Develop and/or maintain SPCC Plans for permittee owned facilities that require plans.

Year 1-5: Provide training to employees who fuel vehicles at the Senlac Service Center and employees involved in municipal operations subject to the house keeping/BMP requirements (street sweeping, catch basin cleaning, and vehicle maintenance). Maintain attendance records pursuant to applicable regulations.

Responsible Party:

Sustainability and Public Health

7. Permittee-owned Facilities and Control Inventory: Comply with requirement to develop and maintain an inventory, including all applicable permit numbers, registration numbers, and authorizations of facilities and stormwater controls within the MS4 including the following: composting facilities; equipment storage and maintenance facilities; fuel storage facilities; hazardous waste disposal facilities; hazardous waste handling and transfer facilities; incinerators; landfills, materials storage yards; pesticide storage facilities; buildings, including schools, libraries, police stations, fire stations, and office buildings; parking lots; golf courses; swimming pools; public works yards; recycling facilities; salt storage facilities; solid waste handling and transfer facilities; street repair and maintenance sites; vehicle storage and maintenance yards; and structural stormwater controls.

Implementation Tasks:

1. Develop an inventory of facilities and stormwater controls owned by the permittee.

Measurable Goals:

Year 2: Create inventory list of permittee-owned facilities.

Year 3-5: Update list as needed.

Responsible Party:

Sustainability and Public Health

8. Contractor Requirements and Oversight: Comply with requirement that any contractors hired by the permittee to perform maintenance activities on permittee-owned facilities must be contractually required to comply with all of the stormwater control measures, good housekeeping practices, and facility-specific stormwater management operating procedures.

Implementation Tasks:

1. All contracts shall have language reflecting this requirement and a signed agreement to comply with stormwater requirements.

2. A copy of the certification statement will be provided to Sustainability and Public Health for audit purposes.

Measurable Goals:

Year 1: Develop a certification statement to be signed by contracted parties agreeing to comply with stormwater requirements.

Responsible Party:

Sustainability and Public Health

9. Municipal Operation and Maintenance Activities: Permittee will evaluate operation and maintenance activities for potential to discharge pollutants in stormwater, including but not limited to road and parking lot maintenance; bridge maintenance; cold weather operations; and right-of-way maintenance. Permittee will identify pollutants of concern that have potential to discharge from operation and maintenance activities and will implement pollution prevention measures to reduce discharge of pollutants.

Implementation Tasks:

1. Evaluate operation and maintenance activities for potential to discharge pollutants in stormwater.

2. Identify pollutants of concern that could be discharged from operation and maintenance activities.

3. Develop and implement measures to reduce discharge of pollutants in stormwater from operation and maintenance activities.

4. Inspect pollution prevention measures to ensure they are working properly.

Measurable Goals:

Year 1: Identify operation and maintenance activities with potential to discharge pollutants in stormwater.

Year 2: Implement pollution prevention measures.

Year 2: Develop inspection schedule of implemented measures.

Responsible Party:

Sustainability and Public Health, Equipment Services, Parks and Recreation, Building Maintenance, and Public Works

6.0 Industrial Stormwater Sources

The Industrial Stormwater Sources BMP is not applicable to the City of Farmers Branch.

7.0 Authorization for Construction Activities where the Small MS4 is the Site Operator

The Authorization for Construction Activities where the Small MS4 is the Site Operator control measure consists of storm water discharges associated with permittee-owned construction activities within Farmers Branch city limits. Construction activities involving municipal projects five acres or greater or less than five acres as part of a common plan of development will be subject to this control measure. BMPs will be chosen based on soil type, topography including slope, and potential for erosion. Additional BMP's may be added depending on weather conditions and as needed to minimize water quality impacts. This minimum control measure shall include the entire boundary of the city limits of Farmers Branch.

Best Management Practices:

1. Develop Storm Water Pollution Prevention Plans and comply with TXR150000.

Implementation Tasks:

1. Maintain inventory of construction sites involving municipal projects 5 acres or greater or less than 5 acres as part of a common plan of development.

2. Ensure contractors working on applicable City projects obtain permits and comply with their Storm Water Pollution Prevention Plan through plan review processes and regular inspections.

3. Develop and review Storm Water Pollution Prevention Plans associated with municipal construction activities.

Measurable Goals:

Year 1-5: Report the number of municipal construction activities applicable to this best management practice.

Responsible Party:

Sustainability and Public Health and Public Works