

Phase II Stormwater Management Program

for

City of Moore, Oklahoma



May 8, 2005

SIGNATURES OF RESPONSIBLE OFFICIALS

for the City of Moore, Oklahoma

The statements made in this Stormwater Management Plan document, and the programs described herein, are hereby declared to be accurate and fulfill the intent of the City of Moore to comply with the requirements of the State of Oklahoma's Phase II Stormwater General Permit for municipalities (OKR04).

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 gathered and evaluated 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 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.

Mayor

Date

City Manager

Date

Public Works Director

Date

Community Development Director

Date

ATTEST:

City Clerk

Date

EXECUTIVE SUMMARY

The City of Moore has prepared this Stormwater Management Program (SWMP) document which provides descriptions of all activities that will be conducted on behalf of the City of Moore to meet its obligations under the Oklahoma Department of Environmental Quality (ODEQ) General Permit for Phase II Municipal Separate Storm Sewer System Discharges for Small Cities Within the State of Oklahoma (OKR04).

This SWMP is being submitted on May 8, 2005 along with the Notice of Intent (NOI) that together constitute the application for coverage under the OKR04 general permit.

All six Minimum Control Measures (MCMs) have been addressed in this SWMP. In addition, the City of Moore has elected to incorporate the "Seventh MCM" into the SWMP in which the city will have continuous coverage for all future municipal construction activities.

Each MCM has a number of Best Management Practices (BMPs) that constitute the core activities pertaining to each MCM. Appendices summarize the BMPs and provide Measurable Goals for each BMP, along with descriptions, implementation schedules and estimated annual costs. In addition, the SWMP text includes a BMP summary table for each MCM.

Every reasonable effort has been made to comply with all requirements in the State's OKR04 general permit for small Municipal Separate Storm Sewer Systems (MS4s). To this end, verbatim passages of the OKR04 text were duplicated into the SWMP, as appropriate.

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I. INTRODUCTION

In 1990 the U.S. Environmental Protection Agency (EPA) promulgated regulations for establishing water quality based municipal stormwater programs to address stormwater runoff from certain industrial and construction activities and from medium and large municipal separate storm sewer systems (MS4s) serving populations of 100,000 or greater.

These “Phase I” regulations were incorporated into the existing National Pollutant Discharge Elimination System (NPDES) permit rules that address point source dischargers.

As a result, urban nonpoint source runoff became regulated as a point source. On December 8, 1999, EPA published final regulations that address urban stormwater runoff from cities under 100,000 population and counties that lie within the Urbanized Area as defined by the latest US Bureau of Census designation.

These “Phase II” cities and counties must develop a comprehensive Stormwater Management Program that addresses six “Minimum Control Measures” (MCMs). These are:

- 1. Public Education and Outreach*
- 2. Public Participation and Involvement*
- 3. Illicit Discharge Detection and Elimination*
- 4. Construction Site Stormwater Runoff Control*
- 5. Post Construction Management in New Development and Re-Development*
- 6. Pollution Prevention and Good Housekeeping*

The Oklahoma Department of Environmental Quality (ODEQ) presently has primary jurisdiction over permitting and enforcement of the Phase II Stormwater Program for Oklahoma. The ODEQ has developed a General Permit (OKR04) for “Phase II Municipal Separate Storm Sewer System Discharges for Small Cities Within the State of Oklahoma”.

The Phase II regulations require that the regulated community submit a Notice of Intent (NOI) to apply for coverage under the Oklahoma Stormwater General Permit (OKR04) along with a Stormwater Management Program document (SWMP) that specifies, for each MCM, what activities will be performed (Best Management Practices - BMPs), along with schedules and measurable goals for each BMP.

This SWMP document fulfills the OKR04 General Permit requirement to submit a detailed plan of how the City of Moore will address non-stormwater discharges within its city limits and Urbanized Area.

This SWMP document is indexed to address all of the OKR04 General Permit requirements in the order of presentation in the permit itself. During the first three months of the permit, the City of Moore will consult with ODEQ permit staff to determine if any amendments are necessary and address any outstanding requirements in a revised SWMP.

II. SWMP PROGRAM OVERVIEW

Regulatory Authority

On December 8, 1999, EPA promulgated stormwater regulations affecting cities under 100,000 population (referred to as “Phase II” regulations). The Phase II program applies to that portion of each small city’s Municipal Separate Storm Sewer System (MS4) that lies within the Urbanized Area (UA) as defined by the US Bureau of Census. The ODEQ has formally designated all cities and counties that must comply with the new Phase II stormwater regulations.

The ODEQ has developed a General Permit (OKR04) for “Phase II Municipal Separate Storm Sewer System Discharges for Small Cities Within the State of Oklahoma”. The ODEQ has incorporated by reference the EPA stormwater regulations into State permitting regulations which are in compliance with the provisions of the Clean Water Act, as amended, (33 U.S.C. 1251 et. seq.) as required under Section 122.34(d)(2) of the Storm Water Phase II Rule, and with the provisions under the Oklahoma Pollutant Discharge Elimination System, OAC 252:605-1-5(b)(3)(L) & (P)-(V) incorporating by reference 40 CFR 122.26 and 122.30 through 122.35.

The Phase II regulations require all Phase II municipalities to develop a Stormwater Management Program (SWMP). This document specifies all of the actions that the City of Moore will take to comply with the stormwater regulations and address the six “Minimum Control Measures” required by EPA for a successful stormwater program.

All information contained in this SWMP represents a good faith effort on the part of the City of Moore to comply with all requirements of the ODEQ’s Phase II General Permit for Small MS4s (OKR04). However, none of the provisions, planned activities, schedules or priorities presented in this SWMP convey any legal authority to the City of Moore for implementation.

Such authority will be derived from any and all local, state and/or Federal ordinances, codes, regulations and applicable laws pertaining to issues addressed in this SWMP. This SWMP will be reviewed periodically by local administrative staff and amended, as needed, to provide greater efficiency or meet additional requirements that may be forthcoming in the future under OKR04 or other regulatory changes.

SWMP Organization

The City of Moore will participate in a regional stormwater program sponsored by the Association of Central Oklahoma Governments (ACOG), a substate planning agency in Oklahoma City, Oklahoma. Stakeholders in the ACOG Regional Stormwater Program will consist of the voluntary association of Phase II cities and counties that collectively fund specific SWMP activities that are suitable for regional approaches. The ACOG regional activities include public education and participation.

The City of Moore will be the primary lead in construction site inspections, local record keeping, and oversight of Phase II compliance. Details of the integration of the ACOG

Regional Stormwater Program into the City of Moore's local program elements is provided in the following SWMP sections.

This SWMP addresses all elements of the ODEQ's General Permit for MS4s (OKR04). The six Minimum Control Measures are written in the same sequence as the OKR04 text, and supporting tables and summary forms are included as SWMP appendices.

III. MINIMUM CONTROL MEASURES

Both the EPA and Oklahoma regulations require that six Minimum Control Measures (MCMs) be addressed in implementing a successful Phase II Stormwater Management Program. For each of the following MCMs, the City of Moore will implement Best Management Practices (BMPs), develop implementation schedules, and establish Measurable Goals for each BMP. Unless directed otherwise by the Permitting Authority, an Annual Report will be submitted to the ODEQ that documents implementation and BMP effectiveness under each of the six MCMs.

This SWMP provides information on the BMPs and other activities that will be implemented to address each of the MCMs. Beginning each MCM is a verbatim copy of the OKR04 General Permit text that drives development of the SWMP plan content and individual program elements and BMPs.

A. MCM 1: PUBLIC EDUCATION AND OUTREACH:

OKR04 requires Phase II cities to develop and implement a public education program to distribute education materials and to develop and document a stormwater public outreach program that addresses BMPs and measurable goals of the education program.

A.1 OKR04 Requirement (Part IV.B)

1. **Public Education and Outreach Program** (underlines added)

You must develop and implement a public education program to distribute educational materials to the community about the impacts of storm water discharges on water bodies and the steps that the public can take to reduce pollutants in storm water runoff.

You must develop and document a storm water public outreach program to address both your overall public education program and the individual BMPs, measurable goals, identifying the responsible people for your program. The rationale statement must include the following information, at a minimum:

- a. How you plan to inform individuals and households about the steps they can take to reduce storm water pollution.
- b. How you plan to inform individuals and groups on how to become involved in the storm water program (with activities such as local stream and beach restoration activities).
- c. Who are the target audiences for your education program who are likely to have significant storm water impacts (including commercial, industrial and institutional entities) and why those target audiences were selected.

- d. What are the target pollutant sources your public education program is designed to address?
- e. What is your outreach strategy, including the mechanisms (e.g., printed brochures, newspapers, media, workshops, etc.) you will use to reach your target audiences, and how many people do you expect to reach by your outreach strategy over the permit term.
- f. Who is responsible for overall management and implementation of your storm water public education and outreach program and, if different, who is responsible for each of the BMPs identified for this program.
- g. How will you evaluate the success of this minimum measure, including how you selected the measurable goals for each of the BMPs?

A.2 Best Management Practices for Public Education

The City of Moore will use a number of public education Best Management Practices (BMPs) to inform individuals and groups about the steps they can take to reduce stormwater pollution and become involved in the stormwater program. Appendix A summarizes all BMPs that will be used for this MCM. Appendix B provides a one-page description of each BMP, along with Measurable Goals, estimated budget and schedule of implementation. The BMPs are summarized in Table 1 below:

TABLE 1: BMP's FOR PUBLIC EDUCATION PROGRAM

BMP ACTIVITY	TARGET AUDIENCE	FREQUENCY
Brochure: <i>Water quality impacts from urban stormwater</i>	General public - adults	Distribute at local events and public buildings
Brochure: <i>Household chemical disposal options</i>	General public - adults	Distribute at local events and public buildings
Brochure: <i>Proper on-site sewage disposal system maintenance</i>	Homeowners with on-site sewage disposal systems	Distribute at local events and public buildings
Brochure: <i>Chemical storage and disposal at businesses</i>	Business owners	Distribute at local events and public buildings; mail
* Brochure: <i>Recycling and re-use benefits</i>	General public - adults Schools (5 th - 12 th)	Distribute at local events and public buildings; schools
Brochure: <i>How to become involved in stormwater program</i>	General Public - adults Schools (5 th - 12 th)	Distribute at local events and public buildings; schools
Training: <i>water quality and regulations</i>	City staff and crews	Annual - in conjunction with MCM #6 requirement
* Meeting: <i>discuss Phase II program in public city council meeting</i>	General public	At least once during permit cycle
* Website: <i>Support stormwater website</i>	General public	Continuous access
* Clean-up Events: <i>sponsor / participate</i>	General public, city staff and crews	Annual
** Signs: <i>Public awareness signs at streams and public facilities</i>	General public, city staff and crews	Continuous posting
* School Programs: <i>Grade school stormwater education program</i>	Schools (3 rd - 9 th)	Annual in each school
* Marking: <i>Storm drain marking program</i>	General public, schools, non-profits	Ongoing, periodic
* Recycling: <i>promote use of local recycling centers</i>	General public	Continuous use of centers

Unmarked = mandatory.

* = not mandatory, already exists for many cities.

** = not mandatory, must be created.

A.3 Target Audience

The following are likely to have significant stormwater impacts: For residential chemical use and disposal, the City of Moore will target education programs to individual homeowners, renters and multi-family residents. For commercial chemical use and disposal, the City of Moore will target education programs to commercial retailers and those businesses that store and use chemicals, including construction sites. Secondary schools will have education programs using Blue Thumb volunteer instruction that focus on basic water quality impacts and options for pollutant disposal (e.g. recycling and collection events).

A.4 Target Pollutant Sources

The City of Moore's Public Education program will primarily address household pollutants by educating individual homeowners on the proper use and disposal of:

- pesticides
- fertilizers
- detergents
- solvents
- motor oil
- antifreeze
- other motor and engine fluids
- household trash
- yard waste

By informing the public about and supporting local and regional recycling centers and household pollutant collection events, additional household pollutants can be addressed such as heavy metals, acids and commercial poisons. Storage, use and disposal of the same chemicals by local businesses will also be addressed in the education program.

A.5 Outreach Strategy

Table 1 (above) and Appendices A and B list all BMPs that will be used to address this MCM. Each BMP Fact Sheet lists the activity description, schedule of implementation, annual budget estimate, and annual Measurable Goals for the BMP. The City of Moore will participate in the regional stormwater education effort sponsored by ACOG. Some regional education materials will be provided by ACOG from existing Federal, State or other sources while other materials will be developed collaboratively from all Phase II cities participating in ACOG's Regional Stormwater Program.

The City of Moore's public education program will target several different areas.

- Homeowners will be educated on how to properly use and disposal of fertilizers and other household chemicals as well as proper septic system maintenance.
- The public education program will also provide information on how to get involved in stream cleanups, restoration activities and other local conservation efforts that may periodically be conducted in the City of Moore.
- The City of Moore will promote citizen participation in area-wide stream and city cleanup events, use of recycling centers in the vicinity, and participation in pollutant collection events.
- The City of Moore stormwater web site will provide to the general public timely information about local and regional water quality and program issues as well as numerous web links to water quality resources.

- Secondary education grades will learn about water quality and urban sources of pollution through the Blue Thumb’s “Storm Sewer In a Suitcase” classroom program for school children.
- The City of Moore’s education program will develop written materials that target commercial and industrial enterprises that have business activities that may negatively impact the stormwater quality of the MS4.

The City of Moore’s Public Education program has a goal of providing stormwater education material to at least half of the homeowners in Moore by the end of the first permit cycle.

A.6 Management Responsibility

The City of Moore has overall project management responsibility. City staff will coordinate all local activities and implementation of all program elements. The ACOG Regional Stormwater Program will be coordinated by ACOG staff and will address development of brochures.

A.7 Evaluating Program Effectiveness

Measurable Goals have been established for each Public Education BMP. These are summarized in Appendix B and include implementation schedules, annual budgets, and resources available for each BMP. BMP effectiveness will be demonstrated by keeping records of contacts from individuals and stakeholders. Each contact from the public (email, phone call, fax, letter or personal visit) will be recorded as to the nature of the request and any follow-up action taken by Moore staff to address problems or concerns. If pollution sources are abated as a result of the contact, then the abatement action will be logged as a BMP success for public education as well as reduction of pollution.

B. MCM 2: PUBLIC PARTICIPATION AND INVOLVEMENT:

Some of the activities under the Public Education MCM also apply to the Public Participation and Involvement MCM. These include the use of recycling centers, stormdrain marking, and community cleanup events. Appendix A lists each SWMP activity and the associated MCMs each addresses. Appendix B summarizes each Public Participation BMP, including implementation schedules, annual budgets, and Measurable Goals for each BMP.

The Public Participation MCM is different from the Public Education MCM in that the citizens of Moore will actively participate in a program component such as stream cleanups or stormdrain marking. By participating, citizens not only learn about the urban stormwater quality issues but contribute towards improving water quality in their community.

B.1 OKR04 Requirement (Part IV.B)

2. **Public Participation and Involvement** (underlines added)

a. Permit requirement

You must at a minimum, comply with State and local public notice requirements when implementing a public involvement / participation program.

b. Decision process.

You must document your decision process for the development of a storm water public involvement and participation program. Your rationale statement must address your overall public involvement, your participation program and the individual BMPs, measurable goals. List the names of the responsible persons for your program. The rationale statement must include the following information, at a minimum:

- (1) How you have involved the public in the development and submittal of your NOI and storm water management program.
- (2) What is your plan to actively involve the public in the development and implementation of your program?
- (3) Who are the target audiences for your public involvement program, including a description of the types of ethnic and economic groups engaged? You are encouraged to actively involve all potentially affected stakeholder groups, including commercial and industrial businesses, trade associations, environmental groups, homeowners associations, and educational organizations, among others.
- (4) What are the types of public involvement activities included in your program? Where appropriate, consider the following types of public involvement activities:
 - a. Citizen representatives on a storm water management panel
 - b. Public hearings
 - c. Working with citizen volunteers willing to educate others about the program
 - d. Volunteer monitoring or stream clean-up activities
- (5) Who is responsible for the overall management and implementation of your storm water public involvement/participation program and, if different, who is responsible for each of the BMPs identified for this program.
- (6) How you will evaluate the success of this minimum measure, including how you selected the measurable goals for each of the BMPs.

B.2 Best Management Practices for Public Participation

The City of Moore will use several public participation Best Management Practices (BMPs) to involve individuals and groups in activities and programs to reduce stormwater pollution and become involved in the stormwater program. Appendix A summarizes all BMPs that will be used for this MCM. Appendix B provides a one-page description of each BMP, along with Measurable Goals, estimated budget and schedule of implementation. The BMPs are summarized in Table 2 below:

TABLE 2: BMP's FOR PUBLIC PARTICIPATION PROGRAM

BMP ACTIVITY	TARGET AUDIENCE	FREQUENCY
Public Meetings: Comply with State and local public notice requirements	General public	All public meetings
Brochure: <i>Water quality impacts from urban stormwater</i>	General public - adults	Distribute at local events and public buildings
** Brochure: <i>Recycling and re-use benefits</i>	General public - adults Schools (5 th - 12 th)	Distribute at local events and public buildings; schools
* Seminar: <i>Support regional agency-hosted seminar</i>	Municipal public works staff, public	At least once during permit cycle
* Meeting: <i>discuss Phase II program in public city council meeting</i>	General public	At least once during permit cycle
* Website: <i>Support stormwater website</i>	General public	Continuous access
* Clean-up Events: <i>sponsor / participate</i>	General public, city staff and crews	Annual
* School Programs: <i>Blue Thumb grade school stormwater education program</i>	Schools (3 rd - 9 th)	Annual in each school
* Marking: <i>Blue Thumb storm drain marking program</i>	General public, schools, non-profits	Ongoing, periodic
* Recycling: <i>promote use of and support regional recycling centers</i>	General public	Continuous use of centers
Unmarked = mandatory. * = not mandatory, already exists for many cities. ** = not mandatory, must be created.		

B.3 Public Involvement in Program Development

The City of Moore has taken several steps to inform and include the public in understanding and providing input in the development of the Phase II program. These include:

- The City of Moore has presented information about the Phase II program in City Council public meetings.
- City staff have responded to questions from the public, and the city has distributed information to the community upon request.
- The city has placed 2 notices in the Moore American, a local weekly newspaper, about the program that includes requests for citizen input.

B.4 Public Involvement in Program Implementation

Throughout the first five year permit cycle, the City of Moore will use several methods to educate the public about the Phase II program and opportunities for participation. These include:

- The City of Moore will include in its Public Education brochures information on how individuals and organizations can become more fully informed and participate in water quality improvement efforts under the Phase II program.
- The City of Moore will have information about local and regional activities for citizens on the web site.
- City Council agenda items dealing with aspects of the program (e.g. budget approvals, approval of program activities) will be open to the public and receive public comment.

B.5 Target Audience

The public participation program will primarily target homeowners, Moore adult residents, public school classes and organizations, non-profit organizations (e.g. Boy Scouts), and civic organizations (e.g. local Kiwanis Club). For school-age children, the participation program will focus on stormdrain marking using Blue Thumb resources. Regional waste collection events and community / stream cleanups will target individual residents in the city by encouraging their participation, and providing event information. All ethnic and socio-economic groups will be encouraged to participate. The Phase II program for the City of Moore will benefit all city residents and local enterprises.

B.6 Public Involvement Activities

The City of Moore will use the following types of activities for Public Participation:

- Distribute brochures to encourage proper use and disposal of household chemicals;
- Provide information on the City of Moore stormwater web site about local events;
- Sponsor an annual cleanup event in the city limits;
- Encourage citizens to participate in school education programs;
- Sponsor the stormdrain marking program; and
- Encourage citizens to use recycling stations in the vicinity.

The City of Moore will participate in the regional stormwater education effort sponsored by ACOG. Some regional education materials will be provided by ACOG from existing Federal, State or other sources.

The City of Moore's public participation program will rely upon the City's effort to promote and educate its citizens about opportunities to play an active role in water quality improvement efforts.

The City of Moore will support local stormdrain marking and the stormwater web site as well as other means to inform citizens about upcoming events.

The City of Moore will encourage citizen participation in area wide stream and city cleanup events and the use of recycling centers in the vicinity. The City will support and promote the ACOG Regional Stormwater Program's public education efforts.

The City of Moore will financially support and promote the Blue Thumb's "Storm Sewer In a Suitcase" classroom program for school children as well as the Blue Thumb volunteer stream monitoring program. The City's education program will compliment the public participation efforts by providing timely information about upcoming events.

B.7 Management Responsibility

The City of Moore has overall project management responsibility. City staff will coordinate all local activities and implementation of all program elements. The ACOG Regional Stormwater Program will be coordinated by ACOG staff and will address development of brochures.

B.8 Evaluating Program Effectiveness

Measurable Goals will be established for each Public Participation BMP. These are summarized in Appendix B. BMP effectiveness will be demonstrated by keeping records of contacts from individuals and stakeholders. Each contact from the public (email, phone call, fax, letter or personal visit) will be recorded as to the nature of the request and any follow-up action taken by Moore staff to address problems or concerns. If pollution sources are abated as a result of the contact, then the abatement action will be logged as a BMP success for public education as well as reduction of pollution.

C. MCM 3: ILLICIT DISCHARGE DETECTION AND ELIMINATION:

The City of Moore will implement a comprehensive program to detect and eliminate illicit discharges following the requirements in the OKR04 General Permit. The program will rely upon a number of methods of pollutant detection. There are two categories of pollutants that will be addressed in different ways.

The first category is pollutants introduced into the MS4 from individuals in a one-time distinct episode at a discrete point of entry. Examples of these are dumping of yard waste, motor oil, antifreeze or trash into a creek or stormdrain. These types of pollutants, when discovered in the MS4 or local streams, cannot be effectively investigated as to the source (i.e. the individual causing the pollution). Also they are not normally discovered using a city-wide MS4 inspection program of monitoring fixed stations with scheduled work-day inspections. The chances of discovering evidence of an episodic pollutant event at a fixed site using scheduled monitoring is extremely remote. The best means of discovery is through input from citizens, city crews, Police and Fire workers, businesses, and area agency field crews. Prevention of future isolated pollution episodes will rely upon implementation of the Public Education and Public Participation programs presented above.

The second category is pollutants from sources that have a chronic or frequently repeating discharge that can be traced through stream channels and the MS4 system using visual inspections and chemical field test kits. Pollutants from these sources will be dispersed downstream as a detectable odor, visual color, increased turbidity, excessive algae growth, or changes in water chemistry (e.g. pH or conductivity) when compared to uncontaminated water in the stream or MS4. These chronic pollutants are amenable to “source tracking” inspections, and the sources are more likely to be found and remediated.

C.1 OKR04 Requirement (Part IV.B)

3. Illicit Discharge Detection and Elimination (underlines added)

a. Requirements

- (1) Develop, implement and enforce a program to detect and eliminate illicit discharges (as defined in 40 CFR §122.26(b)(2)) into your SMS4;
- (2) Develop, if not already completed, a storm sewer system map, showing the location of all outfalls and the names and location of all waters of the United States that receive discharges from those outfalls;
- (3) To the extent allowable under State, or local law, effectively prohibit, through ordinance, or other regulatory mechanism, non-storm water discharges into your storm sewer system and implement appropriate enforcement procedures and actions;
- (4) Develop and implement a plan to detect and address non-storm water discharges, including illegal dumping, to your system;
- (5) Inform public employees, businesses, and the general public of hazards associated with illegal discharges and improper disposal of waste; and
- (6) You need to develop a list of occasional incidental non-storm water discharges or flows (e.g. non-commercial or charity car washes, etc.) that will not be addressed as illicit discharges. These non-storm water discharges must not be reasonably expected (based on information available to the permittees) to be significant sources of pollutants to the Municipal Separate Storm Sewer System, because of either the nature of the discharges or conditions you have established for allowing these discharges to your SMS4 (e.g., a charity car wash with appropriate controls on frequency, proximity to sensitive water bodies, BMPs on the wash water, etc.). You must document in your SWMP any local controls or conditions placed on the discharges. You must include a provision prohibiting any individual non-storm water discharge that is determined to be contributing significant amounts of pollutants to your SMS4.
- (7) Allowable Non-Storm Water Discharges

The following non-storm water discharges are authorized provided it has been determined that they are not significant contributors of pollutants to the MS4.

- a. Water line flushing
- b. Landscape irrigation
- c. Diverted stream flows
- d. Rising ground waters
- e. Uncontaminated pumped ground water
- f. Discharge from potable water source
- g. Foundation drains

- h. Air conditioning condensation
- i. Irrigation water, springs
- j. Water from crawl spaces
- k. footing drains
- l. lawn watering
- m. Individual resident car washing
- n. De-chlorinated swimming pool discharges (discharge to the public sanitary sewer system is recommended)
- o. Street wash water
- p. Residential building wash water without detergents

Fire fighting water discharges are exempt with regard to pollutant contributions and the MS4 is not expected to evaluate these discharges.

b. Decision process

You must document your decision process for the development of a storm water illicit discharge detection and elimination program. Your rationale statement must address your overall illicit discharge detection and elimination program and the individual BMPs, measurable goals, and responsible persons for your program. The rationale statement must include the following information, at a minimum:

- (1) How you will develop a storm sewer map showing the location of all outfalls and the names and location of all receiving waters. Describe the sources of information you used for the maps, and how you plan to verify the outfall locations with field surveys. If already completed, describe how you developed this map. Also, describe how your map will be regularly updated.
- (2) The mechanism (ordinance or other regulatory mechanism) you will use to effectively prohibit illicit discharges into the SMS4 and why you chose that mechanism. If you need to develop this mechanism, describe your plan and a schedule to do so. If your ordinance or regulatory mechanism is already developed, include a copy of the relevant sections with your program.
- (3) Your plan to ensure through appropriate enforcement procedures and actions that your illicit discharge ordinance (or other regulatory mechanism) is implemented.
- (4) Your plan to detect and address illicit discharges to your system, including discharges from illegal dumping and spills. Your plan to detect illicit discharges can rely on visual indicators and simple field test kits for most work where you are looking for indications of a problem. Laboratory methods could be reserved for situations where you have identified a problem and need to prove to a court of law that you have traced the problem to a particular illicit discharger.

Your plan must also address on-site sewage disposal systems that flow into your storm drainage system. Your description must address the following, at a minimum:

- (a) Procedures for locating priority areas which includes areas with higher likelihood of illicit connections (e.g., areas with older sanitary sewer lines, for example) or ambient sampling to locate impacted reaches.
 - (b) Procedures for tracing the source of an illicit discharge, including the specific techniques you will use to detect the location of the source.
 - (c) Procedures for removing the source of the illicit discharge
 - (d) Procedures for program evaluation and assessment
- (5) How you plan to inform public employees, businesses, and the general public of hazards associated with illegal discharges and improper disposal of waste. Include in your description how this plan will coordinate with your public education minimum measure and your pollution

prevention/good housekeeping minimum measure programs.

- (6) Who is responsible for overall management and implementation of your storm water illicit discharge detection and elimination program and, if different, who is responsible for each of the BMPs identified for this program.
- (7) How you will evaluate the success of this minimum measure, including how you selected the measurable goals for each of the BMPs.

C.2 OKR04 Requirement (Part V)

A. **Monitoring** (underlines added)

Justification

According to 40 CFR 122.34 (b) (3), See reference:

http://www.access.gpo.gov/nara/cfr/cfrhtml_00/Title_40/40cfr122_00.html

section (3) states “*Illicit discharge detection and elimination*. (i) You must develop, implement and enforce a program to detect and eliminate illicit discharges (as defined at § 122.26(b)(2) into your small MS4.”

Designing Your Monitoring Program

In developing your Notice of Intent you must include a section on how you intend to sample for illicit discharges. You may use visual methods or acquire simple field test kits where you are looking for indications of problems. Lab methods would be used for situations where you have to prove to a court that you traced the problem to a particular illicit discharger. Your plan must include a method to detect and address non-storm water discharges, including illegal dumping to your system.

1. Evaluate Program Compliance

You must evaluate program compliance, the appropriateness of identified best management practices, and progress toward achieving identified measurable goals. If you discharge to a water of the state for which a TMDL has been approved, you will have additional monitoring requirements under Part III.A.3.

2. Conducting Monitoring

If you plan to conduct monitoring, you are required to comply with the following:

a. Representative monitoring

Samples and measurements taken for the purpose of monitoring shall be representative of the monitored activity.

b. Test Procedures

Monitoring results must be conducted according to test procedures approved under 40 CFR part 136.

3. Records of monitoring information

a. The date, exact place, and time of sampling or measurements;

- b. The names(s) of the individual(s) who performed the sampling or measurements;
 - c. The date(s) analyses were performed;
 - d. The names of the individuals who performed the analyses;
 - e. The analytical techniques or methods used; and
 - f. The results of such analyses.
4. Discharge Monitoring Report

Monitoring results must be reported on a Discharge Monitoring Report (DMR)

C.3 Best Management Practices for Illicit Discharge Detection and Elimination

The City of Moore will use a number of Best Management Practices (BMPs) to implement an effective detection and elimination program for illicit discharges. Several of the brochure BMPs from the Public Education program will be useful for this MCM as well and are listed accordingly. Likewise, several Public Participation BMPs will also apply to this MCM. Appendix A summarizes all BMPs that will be used for this MCM. Appendix B provides a one-page description of each BMP, along with Measurable Goals, estimated budget and schedule of implementation. The BMPs are summarized in Table 3 below:

TABLE 3: BMP's FOR ILLICIT DISCHARGE PROGRAM

BMP ACTIVITY	TARGET AUDIENCE	FREQUENCY
Brochure: <i>Water quality impacts from urban stormwater</i>	General public - adults	Distribute at local events and public buildings
Brochure: <i>Household chemical disposal options</i>	General public - adults	Distribute at local events and public buildings
Brochure: <i>Chemical storage and disposal at businesses</i>	Business owners	Distribute at local events and public buildings; mail
Brochure: <i>Proper on-site sewage disposal system maintenance</i>	Homeowners with on-site sewage disposal systems	Distribute at local events and public buildings
* Brochure: <i>Recycling and re-use benefits</i>	General public - adults Schools (5 th - 12 th)	Distribute at local events and public buildings; schools
Training: <i>data quality and data management</i>	City staff and crews	Annual
Training: <i>how to conduct inspections and monitor effectively</i>	City staff and crews	Annual
Mapping: <i>regional and local MS4 system maps</i>	City technical staff	Within first two years of permit
Mapping: <i>regional and local GIS database / designate priority areas</i>	City technical staff	Within first two years of permit
Ordinance: <i>Adopt ordinance prohibiting illicit discharges</i>	City administration	Within first two years of permit
* Meeting: <i>discuss Phase II program in public city council meeting</i>	General public	At least once during permit cycle
* Website: <i>Support stormwater website</i>	General public	Continuous access
Existing Data: <i>Collect local and regional pollution data / incidental discharge data</i>	Municipal technical and public works staff	Continuous, regional data coordinated by ACOG
Inspections: <i>conduct MS4 inspections to track chronic sources</i>	City-wide	As necessary using city crews and/or contractors
Enforcement: <i>take appropriate action to abate source</i>	City wide, all sources	Continuous, as necessary
* Clean-up Events: <i>sponsor / participate</i>	General public, city staff and crews	Annual
* Marking: <i>Blue Thumb storm drain marking program</i>	General public, schools, non-profits	Ongoing, periodic
* Recycling: <i>promote use of and support regional recycling centers</i>	General public	Continuous use of centers

Unmarked = mandatory.

* = not mandatory, already exists for many cities.

** = not mandatory, must be created.

C.4 Allowable and Occasional Incidental Discharges

The following non-storm water sources are allowed and which the City of Moore has determined to not be substantial contributors of pollutants to the MS4:

- (1) Water line flushing
- (2) Landscape irrigation
- (3) Diverted stream flows
- (4) Rising ground waters
- (5) Uncontaminated ground water infiltration (as defined at 40 CFR 35.2005(20))
- (6) Uncontaminated pumped ground water
- (7) Discharges from potable water sources
- (8) Foundation drains
- (9) Air conditioning condensate
- (10) Irrigation water
- (11) Springs
- (12) Water from crawl space pumps
- (13) Footing drains
- (14) Lawn watering
- (15) Individual residential car washing
- (16) Flows from riparian habitats and wetlands
- (17) Dechlorinated swimming pool discharges
- (18) Street wash water
- (19) Discharges or flows from fire fighting activities

Occasional incidental non-stormwater discharges (e.g. non-commercial or charity car washes, etc.) may periodically be identified by the City of Moore. The list of all allowable non-stormwater discharges will be maintained by Moore administrative staff. Any local controls required by the City of Moore on these incidental discharges will be placed in the SWMP by written amendment.

C.5 Map Development and Update

The City of Moore will cooperate with neighboring cities and counties to develop map resources that have regional utility. To the greatest extent possible, map data will rely upon GIS with common attributes to facilitate data sharing between cities and preparing Annual Reports. Regional mapping will involve:

- Initially collecting all existing records at public offices to determine the extent of available map data;
- Collecting field data using city crews to verify locations and descriptions of MS4 attributes;
- Building the regional and local GIS map databases;
- Periodic review of MS4 system map data by the Community Development Director and other professional staff for possible updates;

- Global Positioning System (GPS) will be used when needed to provide coordinate data for the MS4 system, facility locations and sampling sites, while other coordinate data will be collected using GIS aeriels and map layers that show structures and sites;
- Digital and paper aerial photography, and USGS 7.5 Minute Quadrangle maps will be used to assist with development of the GIS map layers; and

The City of Moore will keep records of map deficiencies and errors, and technical staff will periodically update map data as necessary. Map updates will be provided to ACOG for distribution to neighboring cities for sharing in regional data.

C.6 Ordinance

The City of Moore will adopt an effective ordinance prohibiting illicit discharges to the MS4 and periodically evaluate the need for modifications. This will involve:

- During the first six months of the permit, compare model stormwater pollution ordinances to existing City ordinances and make modifications to local codes, if needed;
- During the first year of the permit, evaluate staffing needs and acquire additional resources, if needed, to ensure that the City will be able to comply with all provisions and perform all required responsibilities in the ordinance;
- Delegate management authority to a key City staff person to manage all inspection and enforcement activities; and
- Periodically evaluate program effectiveness and make changes, as appropriate to the ordinance and/or City resources and manpower.

C.7 Plan to Detect and Address Illicit Discharges

The City of Moore will ensure the implementation of an effective illicit discharge detection and elimination program through the following procedures:

- Ensure that maps and field procedures are effective by performing reconnaissance surveys to verify accuracy and effectiveness;
- Evaluate existing and near-future land uses in the City, and delineate high priority areas that have the greatest potential to discharge pollutants;
- Collect illicit discharge and pollution information from citizens, police and fire units, city public works crews, local businesses, other municipalities, non-profit organizations, volunteer stream monitors, students and educational institutions, construction contractors and workers, local building officials and floodplain administrator, and State and Federal agencies;
- Investigate, as necessary, and take follow-up action, as appropriate, for different types of pollutants and discharges (see examples below);

- If source tracking is necessary for chronic or frequently occurring sources, conduct field monitoring of streams and the MS4 system to locate the pollutant source, relying upon visual inspections, and simple field test kits (e.g. chlorine residual, pH, dissolved oxygen, temperature, conductivity, etc.) whenever possible, or using contract professionals when necessary;
- Ensure that field and facility data are compiled in a manner that facilitates the inspection process (e.g. information about possible pollutants and/or sources are provided to inspectors in a timely fashion);
- For sources of known origin and having a designated responsible party, take appropriate remediation / enforcement action to abate the pollutant source;
- Assign authority to a key City staff person to evaluate program effectiveness and ensure data quality;
- Implement procedures for enforcement, including how to approach owners of potential sources for on-sight inspections, how to present field data to owners that confirms the source, and what procedures the owner must take to remove the discharge; and
- Periodically evaluate, using the City’s management and field staff, the inspection and enforcement program, and make modifications as necessary to improve program effectiveness.

The source tracking inspections for chronic sources will consist of a visual inspection program performed by City crews, and may include one or more field test kits for parameters that monitor the most likely type of stormwater pollution that is indicated (e.g. chlorine residual, pH, dissolved oxygen, conductivity, etc.). The visual inspection will describe and/or quantify the extent of pollution (e.g. floatables, excess algae growth, dead or stressed stream vegetation and organisms, color of water, odors, sediments, etc.). If source tracking requires more technically sophisticated methods, then the City of Moore will use contract professionals to conduct appropriate sampling and information gathering to locate sources.

Standard paper field forms and/or electronic field data recording devices (e.g. laptops, PDAs, GPS or Tablet PCs) will be used to make data collection systematic. Data will be entered and/or downloaded into computer databases for analysis, sharing and reporting. As needed, field data will be linked to the City’s GIS of the MS4.

C.8 Administrative Procedures for Source Control

When episodic incidental pollution is reported to the City (e.g. motor oil dumped into a stormdrain), the city’s stormwater staff will record the date, location, information source, and description of the event. If necessary, a public works crewman will be sent to investigate to determine if the site should be cleaned (e.g. removal of yard waste, containment of oil, etc.). After inspection and/or cleanup, the city will keep a record of all actions taken regarding the pollution incident. These data will be included in the City’s Annual Report and used to evaluate program effectiveness.

When chronic pollution is reported, the same incident information will be recorded, and a public works crewman will be sent to investigate. If the source is not immediately obvious, the City will initiate the visual inspection and/or contract professional investigation of the site and attempt to track the source upstream from the pollutant incident. If the source is located, the City will contact the owner / responsible party to request that the source be abated within a reasonable time.

The City will perform a follow-up inspection to confirm that the source of pollution has been abated. If not, then the City will take increasingly more strict action leading up to enforcement action by the City, and possibly to include ODEQ and EPA enforcement as well. Throughout the administrative and investigative process, the City will document all major actions in writing to permanent City files. Data from all such incidents will be included in the City's Annual Report and used to evaluate program effectiveness.

C.9 Inform Employees and the Public

The City of Moore will use the following types of activities for informing the public and City employees about the hazards associated with illegal discharges and improper disposal of waste:

- Distribute brochures to encourage proper use and disposal of household chemicals, maintenance of on-site sewage disposal systems, and recycling;
- Discuss the Phase II program in a city council meeting open to the public;
- Provide information on the City of Moore stormwater web site about pollutant reduction;
- Support local stream clean-up events conducted by non-profits, organizations or State / Federal agencies and programs;
- Support local stormdrain marking program;
- Support local and regional recycling of wastes.

The above information activities are included in the ACOG regional stormwater Public Education program.

C.10 Management Responsibility

The City of Moore has overall project management responsibility. City staff will coordinate all local activities and implementation of all program elements. The ACOG Regional Stormwater Program will be coordinated by ACOG staff and will address development of brochures.

C.11 Evaluating Program Effectiveness

Measurable Goals will be established for each Public Participation BMP. These are summarized in Appendix B. BMP effectiveness will be demonstrated by keeping records of contacts from individuals and stakeholders. Each contact from the public (email, phone call, fax, letter or personal visit) will be recorded as to the nature of the request and any follow-up action taken by Moore staff to address problems or concerns. If pollution sources are abated as a result of the contact, then the abatement action will be logged as a BMP success for public education as well as reduction of pollution. These incident reports will be summarized in the Annual Report to ODEQ.

D. MCM 4: CONSTRUCTION SITE STORMWATER RUNOFF CONTROL:

The City of Moore will implement a comprehensive inspection and enforcement program to address the pollution of stormwater runoff from active construction sites. The City will develop an ordinance prohibiting the discharge of pollutants and sediment from construction sites, and require the deployment of adequate erosion control measures. The City's building inspector will perform periodic inspections of compliance with local codes while on site for other construction inspections.

D.1 OKR04 Requirement (Part IV.B) (underlines added)

4. **Construction Site Storm Water Runoff Control**

(a) **Permit Requirements**

You must develop, implement, and enforce a program to reduce pollutants in any storm water runoff to your SMS4 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 must be included in your program if that construction activity is part of a larger common plan of development or sale that would disturb one acre or more. If the OPDES Director waives requirements for storm water discharges associated with small construction activity in accordance with CFR § 122.26(b)(15)(i), you are not required to develop, implement, and/or enforce a program to reduce pollutant discharges from such sites. Your program must include the development and implementation of, at a minimum:

- (1) An ordinance or other regulatory mechanism to require erosion and sediment controls, as well as sanctions to ensure compliance, to the extent allowable under State, Tribal, or local law;
- (2) Requirements for construction site operators to implement appropriate erosion and sediment control best management practices;
- (3) 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 that may cause adverse impacts to water quality;
- (4) Procedures for site plan review which incorporate consideration of potential water quality impacts;

- (5) Procedures for receipt and consideration of information submitted by the public; and
- (6) Procedures for site inspection and enforcement of control measures.

(b) Construction by the permitted municipality

The Phase II municipality authorized under this permit that plans to construct a municipally owned and operated facility must file a Notice of Intent under the OKR10 Construction General Permit issued on September 13, 2002 by the DEQ. The MS4 operator may apply for authorization to discharge storm water runoff from each construction activity performed by the MS4 operator that results in a land disturbance of one (1) acre or more acres of land.

Alternatively, the MS4 operator may develop the Storm Water Management Program to include the optional seventh (7th) storm water minimum control measure if the eligibility requirements in Part I.A are met. If the MS4 operator includes this minimum control measure within the SWMP that is initially submitted with the NOI, and meets the terms and requirements of this permit, discharges from these construction activities may be authorized under this general permit and filing a NOI with the DEQ will not be required. However, requirements of OKR10, the construction general permit must be followed. The OKR10 Construction General Permit can be found at:

http://www.deq.state.ok.us/WQDnew/stormwater/construction/okr10_final_permit_13_sep_2002.pdf

(c) Decision process

You must document your decision process for the development of a construction site storm water control program. Your rationale statement must address your overall construction site storm water control program and the individual BMPs, measurable goals, and responsible persons for your program. The rationale statement must include the following information, at a minimum:

- (1) The mechanism (ordinance or other regulatory mechanism) you will use to require erosion and sediment controls at construction sites and why you chose that mechanism. If you need to develop this mechanism, describe your plan and a schedule to do so. If your ordinance or regulatory mechanism is already developed, include a copy of the relevant sections with your storm water management program description.
- (2) Your plan to ensure compliance with your erosion and sediment control regulatory mechanism, including the sanctions and enforcement mechanisms you will use to ensure compliance. Describe your procedures for when you will use certain sanctions. Possible sanctions include non-monetary penalties (such a stop work orders), fines, bonding requirements, and/or permit denials for non-compliance.
- (3) Your requirements for construction site operators to implement appropriate erosion and sediment control BMPs and control waste at construction sites that may cause adverse impacts to water quality. Such waste includes discarded building materials, concrete truck washouts, chemicals, litter, and sanitary waste.
- (4) Your procedures for site plan review, including the review of pre-construction site plans, which incorporate consider of potential water quality impacts. Describe your procedures and the rationale for how you will identify certain sites for site plan review, if not all plans are reviewed. Describe the estimated number and percentage of site that will have pre-construction site plans reviewed.
- (5) Your procedures for receipt and consideration of information submitted by the public. Consider coordinating this requirement with your public education program.
- (6) Your procedures for site inspection and enforcement of control measures, including how you will prioritize sites for inspection.

- (7) Who is responsible for overall management and implementation of your construction site storm water control program and, if different, who is responsible for each of the BMPs identified for this program.
- (8) Describe how you will evaluate the success of this minimum measure, including how you selected the measurable goals for each of the BMPs.

D.2 Best Management Practices for Construction Site Runoff Control

The City of Moore will use a number of Best Management Practices (BMPs) to implement an effective erosion and pollutant control program for active construction sites. Appendix B provides a one-page description of each BMP, along with Measurable Goals, estimated budget and schedule of implementation. The BMPs are summarized in Table 4 below:

TABLE 4: BMP's FOR CONSTRUCTION SITE RUNOFF PROGRAM

BMP ACTIVITY	TARGET AUDIENCE	FREQUENCY
Brochure: <i>Construction / erosion control BMPs</i>	Contractors, city public works crews	Distribute to contractors with Building Permit issuance
Training: <i>how to conduct inspections and monitor effectively</i>	City staff and crews	Annual
Inspections: <i>City inspection of active construction sites</i>	Site inspections during construction activities	At least once per month during construction
Ordinance: <i>Adopt ordinance requiring construction BMPs</i>	City administration	Within first two years of permit
* Meeting: <i>discuss Phase II program in public city council meeting</i>	General public	At least once during permit cycle
* Website: <i>Support stormwater website</i>	General public	Continuous access
Existing Data: <i>Collect local and regional pollution data / incidental discharge data</i>	Municipal technical and public works staff	Continuous, regional data coordinated by ACOG
Site Plan Review: <i>incorporate water quality into pre-construction review of site plans</i>	Developers, builders	All site plans will be reviewed if disturbance is over 1 acre
Public Information receipt: <i>create a program to receive and consider information from the public</i>	General public, developers	Continuous program

Unmarked = mandatory.

* = not mandatory, already exists for many cities.

** = not mandatory, must be created.

The City of Moore will develop a program to control construction site runoff by taking the following measures:

- Develop an ordinance to require erosion and sediment controls, as well as sanctions to ensure compliance;
- Require construction site operators to implement appropriate erosion and sediment control BMPs;
- Require construction site operators to control waste such as discarded building materials, sanitary waste and chemicals;
- Implement procedures for site plan review that incorporate consideration of potential water quality impacts;
- Implement a program to receive and consider information submitted from the public; and
- Implement a construction site inspection and enforcement program.

D.3 Ordinance

The City of Moore will adopt an effective ordinance prohibiting construction related discharges to the MS4 and periodically evaluate the need for modifications. This will involve:

- During the first six months of the permit, compare model construction ordinances to existing City ordinances and make modifications to local codes, if needed;
- During the first year of the permit, evaluate staffing needs and acquire additional resources, if needed, to ensure that the City will be able to inspect and enforce all provisions in the ordinance;
- Delegate management authority to a key City staff person to manage all inspection and enforcement activities; and
- Periodically evaluate program effectiveness and make changes, as appropriate to the ordinance and/or City resources and manpower.

D.4 Plan to Ensure Compliance

The City of Moore will implement a comprehensive program to address construction related activities to ensure compliance with erosion and sediment control measures at construction sites. These will include:

- Construction sites will be required through ordinance to establish erosion and sediment controls;
- The ordinance will have enforcement provisions to ensure that the necessary controls are implemented. This may include non-monetary penalties, fines, bonding requirements, and permit denial;

- The MS4 will establish guidelines and requirements for erosion and sediment control Best Management Practices (BMPs) and methods to control waste such as discarded building materials, concrete truck washout, chemicals, litter, and sanitary waste; and
- Sanctions will be used only after at least two requests to take corrective action have been ignored or not fully achieved, with the most drastic penalties being reserved for the worst offenses.

D.5 Procedures for Site Plan Review

The City of Moore will encourage all new development and redevelopment construction to consider potential impacts on water quality as part of the site planning process. The City of Moore already performs administrative reviews of all building permits requests, proposed zoning changes and proposed plats. The administrative review process will include consideration of water quality issues for these activities. The City of Moore will:

- Implement administrative procedures for site plan review to ensure consistency with local erosion and sediment control requirements; and
- Ensure that construction activities are in compliance with local floodplain ordinances.

D.6 Procedures for Public Input

The City of Moore will establish an administrative process for taking input from the public. This will include:

- Educating administrative staff on how to document public input from email, letters, faxes, phone calls and personal contacts;
- Documenting response actions tied to each request for assistance; and
- Evaluating success and taking follow-up action on unresolved problems.

D.7 Construction Site Inspections

The City of Moore will develop a program for inspection of construction activities. Stormwater control inspections will be performed by Moore building inspectors or their designees and integrated into their regular construction inspection activities.

- A separate stormwater inspection form will be created to document inspection results of each site visit;
- A stormwater inspection will be conducted at least once during the active construction period, and periodically during the routine construction inspections by the Moore inspector;

- The stormwater inspection form will document the adequacy of the erosion and sediment control measures being used and note any remedial action needed;
- All inspection data from the forms will be entered into a computer database;
- The frequency of stormwater inspections will be greater in high priority areas;
- Designating a high priority area will be based upon the characteristics of the activity and site location, such as the types of construction activities, topography, the characteristics of soils, and receiving water quality;
- Best professional judgment of the inspector and/or Moore administrative staff will be used to determine stormwater inspection frequency, taking into account local site-specific conditions and activities;
- Enforcement will rely upon initially encouraging remediation by the construction owner / operator, followed by a warning to remediate within a reasonable time, followed by issuance of a fine under authority of the local ordinance; and
- Any immediate and significant threat to health and safety will be enforced immediately using best professional judgment of the city inspector and/or Moore administrative / public works staff, including police and fire personnel, as the situation merits.

D.8 Management Responsibility

The City of Moore has overall project management responsibility. City staff will coordinate all local activities and implementation of all program elements. The ACOG Regional Stormwater Program will be coordinated by ACOG staff and will address development of brochures.

D.9 Evaluating Program Effectiveness

Measurable Goals will be established for each Construction Site Runoff Control BMP. These are summarized in Appendix B. BMP effectiveness will be demonstrated by compiling and evaluating data from inspection forms. If pollution sources are abated as a result of the inspection and enforcement program, then the abatement action will be logged as a BMP success. Data from the stormwater inspections will be used to verify successful implementation of on-site construction BMPs.

D.10 Construction by the City of Moore

The City of Moore elects to comply with the alternative provided in OKR04 relating to construction activities on land owned by the City and to activities that are directly controlled by the City. By selecting this alternative, referred to as the “Seventh Minimum Control Measure”, all municipal construction discharges are herein authorized so long as the City meets all terms and requirements under OKR04 and OKR10. The City of Moore will develop, within the first year of the Phase II permit, a city-wide Stormwater Pollution Prevention Plan (SWP3) that meets all requirements of the OKR10 and applies to all municipal construction activities within the Moore city limits.

The City of Moore will submit a description to the ODEQ prior to commencing construction activities a notice of intent that specifies, for each project, the location, description of activity, duration and summary of site-specific OKR10 compliance actions that will be taken in addition or in lieu of what is already provided for in the city-wide SWP3. Additional program requirements are presented under section G.

E. MCM 5: POST-CONSTRUCTION RUNOFF CONTROL:

Post-construction stormwater management in new development and redevelopment focuses on implementation of controls and practices that will try to maintain good water quality conditions after an area has been developed and after construction activities have been completed. This Minimum Control Measure includes three parts. First, the City of Moore will require through local ordinance all operators of construction activities that disturb one acre or more to develop and implement structural and/or non-structural BMPs. The BMPs should be appropriate for the local site conditions and should be selected to minimize water quality impacts. Second, the City of Moore will inspect post-construction runoff from new development and redevelopment projects. Third, the City will develop a mechanism to ensure that there is long-term operation and maintenance of the BMPs.

E.1 OKR04 Requirement (Part IV.B)

5. Post-Construction Management in New Development and Redevelopment

a. Permit requirements:

- (1) Develop, implement, and enforce a program to address storm water runoff 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 your SMS4. Your program must ensure that controls are in place that would prevent or minimize water quality impacts;
- (2) Develop and implement strategies which include a combination of structural and/or non-structural best management practices (BMPs) appropriate for your community; and
- (3) Use an ordinance or other regulatory mechanism to address post-construction runoff from new development and redevelopment projects to the extent allowable under State, Tribal or local law; and
- (4) Ensure adequate long-term operation and maintenance of BMPs.

b. Decision process.

You must document your decision process for the development of a post-construction storm water management program. Your rationale statement must address your overall post-construction storm water management program and the individual BMPs, measurable goals, and responsible persons for your program. The rationale statement must include the following information, at a minimum:

- (1) Your program to address storm water runoff from new development and redevelopment projects. Include in this description any specific priority areas for this program.

- (2) How your program will be specifically tailored for your local community, minimize water quality impacts, and attempt to maintain pre-development runoff conditions.
- (3) Any non-structural BMPs in your program, including, as appropriate:
 - Policies and ordinances that provide requirements and standards to direct growth to identified areas, protect sensitive areas such as wetlands and riparian areas, maintain and/or increase open space (including a dedicated funding source for open space acquisition), provide buffers along sensitive water bodies, minimize impervious surfaces, and minimize disturbance of soils and vegetation;
 - Policies or ordinances that encourage infill development in higher density urban areas, and areas with existing storm sewer infrastructure;
 - Education programs for developers and the public about project designs that minimize water quality impacts; and
 - Other measures such as minimization of the percentage of impervious area after development, use of measures to minimize directly connected impervious areas, and source control measures often thought of as good housekeeping, preventive maintenance and spill prevention.
- (4) Any structural BMPs in your program, including, as appropriate:
 - Storage practices such as wet ponds and extended-detention outlet structures;
 - Filtration practices such as grassed swales, bio-retention cells, sand filters and filter strips;
 - Infiltration practices such as infiltration basins and infiltration trenches
- (5) What are the mechanisms (ordinance or other regulatory mechanisms) you will use to address post-construction runoff from new developments and redevelopments and why did you choose that mechanism? If you need to develop a mechanism, describe your plan and a schedule to do so. If your ordinance or regulatory mechanism is already developed, include a copy of the relevant sections with your program.
- (6) How you will ensure the long-term operation and maintenance (O&M) of your selected BMPs.? Options to help ensure that future O&M responsibilities are clearly identified include an agreement between you and another party such as the post-development landowners or regional authorities.
- (7) Who is responsible for overall management and implementation of your post-construction storm water management program and, if different, who is responsible for each of the BMPs identified for this program?
- (8) How you will evaluate the success of this minimum measure, including how you selected the measurable goals for each of the BMPs,

E.2 Best Management Practices for Post Construction Runoff Control

Appendix A lists the BMPs that will be used by the City of Moore to address the Post-Construction MCM. The individual BMPs are summarized in Appendix B and include the Measurable Goals for each as well as an implementation schedule and annual budget for each BMP. The City of Moore will perform the following activities:

TABLE 5: BMP's FOR POST-CONSTRUCTION MANAGEMENT PROGRAM

BMP ACTIVITY	TARGET AUDIENCE	FREQUENCY
Brochure: <i>Construction / erosion control BMPs</i>	Contractors, city public works crews	Distribute to contractors with Building Permit issuance
Brochure: <i>Post-Construction / erosion control BMPs</i>	Contractors, city public works crews	Distribute to contractors with Building Permit issuance
Training: <i>how to conduct inspections and monitor effectively</i>	City staff and crews	Annual
Existing Data: <i>Collect local and regional pollution data / incidental discharge data</i>	Municipal technical and public works staff	Continuous, regional data coordinated by ACOG
* Website: <i>Support stormwater website</i>	General public	Continuous access
Inspections: <i>City inspection of construction sites after completion</i>	Site inspections after completion of construction	At least once after construction is completed
Ordinance: <i>Adopt ordinance requiring post-construction BMPs</i>	City administration	Within first two years of permit

Unmarked = mandatory.
 * = not mandatory, already exists for many cities.
 ** = not mandatory, must be created.

The City of Moore has determined that certain construction activities under some circumstances have a greater potential to cause water quality problems. The following areas are hereby designated as high priority:

- Post-construction sites that have had greater than 1 acre disturbed at the time of active construction;
- Construction sites of any size that have not had any post-construction BMPs or other effective controls implemented to control post-construction runoff; and
- Construction sites that are within a watershed of an impaired stream listed on the State's 303(d) list and have the potential to discharge pollutants that would most probably cause violations of the State water quality standards.

Post construction inspections will be conducted at least once at each site after active construction has ceased. The inspection of these sites will be used to evaluate the effectiveness of the post-construction BMPs, and the information will be used to evaluate the Measurable Goals for the permit's Annual report.

E.4 Locally Tailored Program

The post-construction program will be developed to address local conditions within the City of Moore. Factors that will be considered in developing the local post-construction program are:

- Proximity of the site to impaired waterbodies on the State's 303(d) list;
- Erodibility of soils (e.g. slope, soil type, vegetative cover, etc.);
- Size of construction activities and site disturbance;
- Locations of point source and any significant nonpoint source dischargers; and
- Receiving water characteristics (flows, depths, riparian cover, etc.)

The post-construction ordinance will require contractors to implement best management practices to prevent erosion and non-stormwater runoff from sites after active construction has ceased. The ordinance will provide several options for ensuring long term operation and maintenance of the site.

The City's existing floodplain management strategy requires that post-runoff flow rates not exceed pre-development runoff flow rates. The City will require that any flow reduction structures in new development or re-development areas (e.g. on-site or regional stormwater detention) will consider impacts on downstream water quality in the administrative review of plans.

Local, community-specific water quality needs will be identified and addressed through administrative procedures when local zoning codes and floodplain management codes are amended. All public comments concerning water quality issues will be considered during amending of zoning codes and floodplain management codes. As part of the administrative review of plans, the City will encourage protection of sensitive water quality areas (e.g. wetlands, riparian areas, etc.) and encourage use of buffers along sensitive water bodies

E.5 Non-Structural BMPs

The City of Moore will implement and encourage the building industry to implement the following non-structural city policies and BMPs:

- Utilize the most recent Comprehensive Plan for the City of Moore to direct growth to identified areas and protect sensitive water resources such as local wetlands and riparian zones;
- Encourage infill development in higher density urban areas and areas with existing storm sewer systems;

E.6 Structural BMPs

The City of Moore will implement and encourage the building industry to implement the following structural BMPs:

- Encourage contractors to use stormwater storage structures such as wet ponds and detention basins; and
- Encourage contractors to use filtration practices such as grassy swales and filter strips and infiltration practices such as infiltration basins and infiltration trenches.

E.7 Ordinance

The City of Moore will adopt an ordinance to address the post-construction policies and BMPs described above.

E.8 Long-Term O & M

The City of Moore will ensure the long-term operation and maintenance (O&M) of the BMPs by requiring that developers either transfer ownership of structural BMPs (storm sewer infrastructure, detention basins, etc.) to the City or provide for third party ownership and maintenance responsibility (e.g. transfer ownership to a Homeowner's Association).

E.9 Management Responsibility

The City of Moore has overall project management responsibility. City staff will coordinate all local activities and implementation of all program elements. The ACOG Regional Stormwater Program will be coordinated by ACOG staff and will address development of brochures.

E.10 Evaluating Program Effectiveness

Measurable Goals will be established for each Post-Construction Runoff Control BMP. These are summarized in Appendix B. BMP effectiveness will be demonstrated by compiling and evaluating information from city administrative staff. If pollution sources are abated as a result of the post-construction program, then the abatement action will be logged as a BMP success. Data from the post-construction program will be used to verify successful implementation of on-site post-construction BMPs.

F. MCM 6: POLLUTION PREVENTION / GOOD HOUSEKEEPING:

Pollution prevention/good housekeeping for municipal operations is a minimum control measure designed to emphasize the operation and maintenance (O&M) of MS4s and proper training of municipal employees. Performing municipal activities in a careful and proper manner prevents or reduces pollutant runoff. Municipal operations include parks and open space maintenance, fleet and building maintenance, new construction and land disturbances, building oversight, and stormwater system maintenance.

F.1 OKR04 Requirement (Part IV.B)

6. **Pollution Prevention/Good Housekeeping for Municipal Operations**

a. Requirement.

- (1) 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; and
- (2) Using training materials that are available from EPA, your State, Tribe, or other organizations, your program must include employee training to prevent and reduce storm water pollution from activities such as park and open space maintenance, fleet and building maintenance, new construction and land disturbances, and storm water system maintenance.

b. Decision process.

You must document your decision process for the development of a pollution prevention/good housekeeping program for municipal operations. Your rationale statement must address your overall pollution prevention/good housekeeping program and the individual BMPs, measurable goals, and responsible persons for your program. The rationale statement must include the following information, at a minimum:

- (1) Your operation and maintenance program to prevent or reduce pollutant runoff from your municipal operations. Your program must specifically list the municipal operations that are impacted by this operation and maintenance program. You must also include a list of industrial facilities you own or operate that are subject to EPA's Multi-Sector General Permit (MSGP) or individual NPDES permits for discharges of storm water associated with industrial activity that ultimately discharge to your MS4. Include the EPA permit number or a copy of the Industrial NOI form for each facility.
- (2) Any government employee training program you will use to prevent and reduce storm water pollution from activities such as park and open space maintenance, fleet and building maintenance, new construction and land disturbances, and storm water system maintenance. Describe any existing, available materials you plan to use. Describe how this training program will be coordinated with the outreach programs developed for the public information minimum measure and the illicit discharge minimum measure.
- (3) Your program description must specifically address the following areas:
 - (a) Maintenance activities, maintenance schedules, and long-term inspection procedures for controls to reduce floatables and other pollutants to your MS4.
 - (b) 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 you operate.
 - (c) Procedures for the proper disposal of waste removed from your MS4 and your municipal operations, including dredge spoil, accumulated sediments, floatables, and other debris.
 - (d) 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.

- (4) Who is responsible for overall management and implementation of your pollution prevention/good housekeeping program and, if different, who is responsible for each of the BMPs identified for this program.
- (5) How you will evaluate the success of this minimum measure, including how you selected the measurable goals for each of the BMPs.

F.2 Best Management Practices for Good Housekeeping

During the first two years of the permit, the City of Moore will develop and implement strategies that address the following Pollution Prevention and Good Housekeeping requirements:

TABLE 6: BMP's FOR GOOD HOUSEKEEPING PROGRAM

BMP ACTIVITY	TARGET AUDIENCE	FREQUENCY
Brochure: <i>Chemical storage and disposal at city operations</i>	City public works crews, city staff	Distribute at local training for city crews and staff
Brochure: <i>City good housekeeping options</i>	City public works crews, city staff	Distribute at local training for city crews and staff
Training: <i>storage and disposal of chemicals at municipal operations</i>	City staff and crews	Annual
Training: <i>water quality impacts and regulations</i>	City staff and crews	Annual
Training: <i>stormwater and city activities</i>	City staff and crews	Annual
Inspections: <i>conduct MS4 inspections to track chronic sources</i>	City-wide	As necessary using city crews and/or contractors
Existing Data: <i>Collect local and regional pollution data / incidental discharge data</i>	Municipal technical and public works staff	Continuous, regional data coordinated by ACOG
* Website: <i>Support stormwater website</i>	General public	Continuous access
Enforcement: <i>take appropriate action to abate source</i>	City wide, all sources	Continuous, as necessary
* Clean-up Events: <i>sponsor / participate</i>	General public, city staff and crews	Annual

Unmarked = mandatory.

* = not mandatory, already exists for many cities.

** = not mandatory, must be created.

F.3 Operation and Maintenance Program (O&M)

The following operations and facilities are owned by the City of Moore and are subject to the requirements of this MCM:

- Maintenance garage located at 512 NW 27th Street
- Public Works outside storage area located at 512 NW 12th Street
- Vehicle parking lot located at Public Works facility, 512 NW 27th Street
- Vehicle parking lot located at Police Station, 117 East Main Street
- Vehicle parking lot located at Fire Station Headquarters, 115 East Main Street
- Vehicle parking lot located at City Hall, 301 N. Broadway
- Vehicle parking lot located at Community Center/Library, 301 N. Howard
- Vehicle parking lot located at Wastewater Treatment Plant, 4000 S. I-35 Service Rd.
- Vehicle parking lots located at the Buck Thomas Park, Fairmoor Park, Little River Park, JD Estates Park.
- Operation: Winter salt / sand spreading, 512 NW 27th Street.
- Operation: Water and sewer line repairs / replacements
- Operation: City park maintenance, 301 N. Howard.
- Operation: Recycling Drop-off Site, 512 NW 27th Street.

F.4 Municipal Permitted Facilities

The City of Moore owns no facilities that are subject to the EPA Multi-Sector General Permit (MSGP) for stormwater.

The following facilities are owned / operated by the City of Moore and subject to NPDES / OPDES discharge permits:

- Moore wastewater treatment plant OPDES Permit No. OK0027391
- Moore water treatment plant OPDES Permit No. 2001412

F.5 Employee Training Program

The City of Moore will develop a training program for City employees that addresses MS4 maintenance and reduction and prevention of stormwater pollution from city activities. The training program will use existing training materials from state and federal sources (brochures, booklets, fact sheets, forms, questionnaires, etc.) to develop training modules for city crews. The training program will overlap with the other ACOG regional training, if available, for the Illicit Discharge Detection and Elimination MCM regarding proper use, storage and disposal of chemicals and conducting inspections by city crews. Areas to be addressed by the training program include:

- Park and open space maintenance;
- Fleet and building maintenance;
- New construction and land disturbance; and
- Stormwater system maintenance.

F.6 Pollutant Control Program

The City of Moore will implement a program to control and reduce floatables and other pollutants to the MS4, including maintenance activities and schedules as well as long term inspection procedures. The following areas will be addressed:

- City streets and roads;
- Municipal parking lots;
- City maintenance and storage yards;
- City operated waste transfer stations;
- City fleet maintenance shops with outdoor storage areas;
- Municipal salt/sand storage locations; and
- Snow disposal areas.

The City will implement structural BMPs where appropriate to control contaminated runoff from city-owned storage areas for vehicles, equipment and materials exposed to rainfall. These will include straw bales, silt fencing, grassy swales, sediment ponds and/or others as deemed appropriate. The City will rely upon public education to reduce the amount of trash and chemical pollutants placed on city streets. The City will also use misdemeanor labor assigned from local courts for trash pickups along city streets when necessary.

City Public Works crews will be instructed to report observed pollution problems and/or trash buildup on city streets or in the City's stormwater collection system. City Public Works crews will remove debris and trash from streets and the MS4 system as necessary.

The City will store sand and salt in areas that have sufficient berms and other flow control structures to prevent excess runoff of salt into local streams. The City will dispose of removed materials in a regional landfill Southeast Landfill (Permit #3555028). The material to be disposed of includes dredge spoil, accumulated sediments, floatables, and other debris.

F.7 Flood Management Projects

The City of Moore will ensure that new flood management projects are assessed for impacts on water quality and existing projects are assessed for incorporation of water quality protection devices or practices. The City's Floodplain Administrator and city technical staff will ensure that potential water quality impacts of new construction and new development projects are considered during administrative review of the project plans.

F.8 Management Responsibility

The City of Moore has overall project management responsibility. City staff will coordinate all local activities and implementation of all program elements. The ACOG Regional Stormwater Program will be coordinated by ACOG staff and will address development of brochures.

F.4 Evaluating Program Effectiveness

Measurable Goals will be established for each Good Housekeeping BMP. These are summarized in Appendix B. BMP effectiveness will be demonstrated by compiling and evaluating information from city administrative staff. If pollution sources are abated as a result of the Good Housekeeping program, then the abatement action will be logged as a BMP success. Data from the Good Housekeeping program will be used to verify successful implementation of the BMPs.

G. MCM 7: AUTHORIZATION FOR MUNICIPAL CONSTRUCTION ACTIVITIES:

The City of Moore herein elects to participate in the Authorization for Municipal Construction Activities. The Notice of Intent (NOI) submitted for initial Phase II permit coverage, along with requirements specified in this SWMP, constitute the obligations of the City of Moore for city owned / operated construction activities that disturb one acre or greater in the aggregate within the city limits.

G.1 OKR04 Requirement (Part IV.B)

7. Authorization for Municipal Construction Activities

- a. Optional for small MS4s seeking coverage under this permit

The development of this minimum control measure (MCM) for municipal construction activities is an optional measure and is an alternative for the MS4 operator seeking coverage under this permit. Additionally, contractors working for the permittee are not required to obtain separate authorization as long as the permittee meets the status of "construction site operator" and remains compliant with the conditions of this general permit. Permittees that choose to develop this measure will be authorized to discharge storm water and certain non-storm water from construction activities where the permittee can meet the definition of "construction site operator" in Part I of this general permit. This MCM must be developed as a part of the SWMP that is submitted with the initial NOI.

- (1) This MCM must include:

- (a) a description of how construction activities will generally be conducted by the permittee so as to take into consideration local conditions of weather soils and other site specific considerations.
 - (b) a description of the area that this MCM will address and where the permitted construction activities will take place and be covered under this MCM.
 - (c) either a description of how the permittee will supervise or maintain oversight over contractor activities to ensure that the SWP3 requirements are properly implemented at the construction site; or how the permittee will ensure that the contractors have a separate authorization for storm water discharges obtained from the DEQ.
- (2) The MCM must include a general description of how a SWP3 shall be developed according to the DEQ Storm Water Construction General Permit, OKR10.

G.2 Authorization Conditions

The development of this minimum control measure (MCM) for municipal construction activities is an optional measure and is an alternative for the City being covered under this permit. Additionally, contractors working for the City of Moore are not required to obtain separate authorization as long as the City meets the status of “construction site operator” and remains compliant with the conditions of the general permit. It is understood that the City will be authorized to discharge storm water and certain non-storm water from construction activities where the City can meet the definition of “construction site operator” in Part I of the OKR04 General Permit.

G.3 Description of Construction Activities

The City of Moore anticipates the following types of construction activities that will result in disturbance of one or more acres:

- Water or sewer pipeline construction / replacement;
- Grading and clearance of land for new building construction;
- Grading and clearance of land for city park maintenance / construction;
- Parking lot construction;
- Construction of new storage areas for equipment and vehicles;
- Utility relocations in street rights of way;
- Construction of new streets or widening of existing streets;
- Sidewalk/Trail Construction;
- Grading and clearance of land for regional detention facility construction.

Most construction disturbing one acre or greater will be contracted to private construction firms rather than being done by city crews. The City of Moore will require its own crews and those of the private contractors to implement sufficient structural and non-structural BMPs to control runoff of pollutants that could result in water quality standard violations.

The BMPs will be implemented throughout the active construction period and properly maintained by the on-site contractor / operator. The BMPs will be appropriate for the prevailing weather conditions at the time of construction and soil types of the particular site.

G.4 Description of Area

All construction activities that apply to this MCM will be within the city limits of the City of Moore. The map in Figure 1 shows the location of the city limits in the central region of Oklahoma.

G.5 Contractor Oversight

During active construction, the City of Moore will maintain oversight of the construction contractors by periodically inspecting the site. The City's Construction Inspector or his designee will be frequently on-site to conduct non-stormwater related inspections. During these regular construction inspections, the city inspector will also evaluate adequacy of all stormwater control measures. If deficiencies are found, the city inspector will notify the on-site operator to remedy the deficiencies.

The city inspector will keep a written log of all incidents that required corrective action. Also, the City will keep written records of all BMPs used at each site. These records, along with the evaluation of BMP effectiveness, will be summarized in the City's Annual Report to ODEQ.

G.6 How SWP3 Will Be Developed

The City of Moore will prepare a formal Stormwater Pollution Prevention Plan (SWP3) that follows requirements of OKR10 and applies to all city construction activities. The City will follow guidance prepared by the ODEQ for preparing the SWP3.

IV. DEFINITIONS (40 CFR 122)

BMPs (Best Management Practices) - schedules of activities, prohibitions of practices, maintenance procedures, and other management practices to prevent or reduce the pollution of "waters of the United States." BMPs also include treatment requirements, operating procedures, and practices to control plant site runoff, spillage or leaks, sludge or waste disposal, or drainage from raw material storage.

CWA - Public Law 92-500, as amended, also called the Clean Water Act

Illicit Discharge - any discharge to a municipal separate storm sewer that is not composed entirely of stormwater except discharges pursuant to a NPDES permit (other than the municipal separate storm sewer) and discharges resulting from fire fighting activities.

MEP - Maximum Extent Practicable

MS4 - Municipal Separate Storm Sewer System - a conveyance or system of conveyances (including roads with drainage systems, municipal streets, catch basins, curb, gutters, ditches, man-made channels, or storm drains)

NPDES - National Pollutant Discharge Elimination System - National program for issuing, modifying, revoking and reissuing, terminating, imposing and enforcing pretreatment requirements, under sections 307, 402, 318, and 405 of CWA.

Outfall - a point source at the point where a municipal separate storm sewer discharges to waters of the United States.

Redevelopment - alterations of a property that change the footprint of a site or building in such a way that results in the disturbance of equal to or greater than 1 acre of land.

Waters of the United States - (a) All waters which are currently used, were used in the past, or may be susceptible to use in interstate or foreign commerce, including all waters which are subject to the ebb and flow of the tide; (b) All interstate waters, including interstate "wetlands"; (c) All other waters such as intrastate lakes, rivers, streams (including intermittent streams), mudflats, sandflats, "wetlands," sloughs, prairie potholes, wet meadows, playa lakes, or natural ponds the use, degradation, or destruction of which would affect or could affect interstate or foreign commerce including any such waters: (1) Which are or could be used by interstate or foreign travelers for recreational or other purposes; (2) From which fish or shellfish are or could be taken and sold in interstate or foreign commerce; (3) Which are used or could be used for industrial purposes by industries in interstate commerce; (d) All impoundments of waters otherwise defined as waters of the United States under this definition; (e) Tributaries of waters identified in paragraphs (a) through (d) of this definition; (f) The territorial sea; and (g) "Wetlands" adjacent to waters (other than waters that are themselves wetlands) identified in paragraphs (a) through (f) of this definition. Waste treatment systems, including treatment ponds or lagoons designed to meet the requirements of CWA (other than cooling ponds as defined in 40 CFR 423.11(m) which also meet the criteria of this definition) are not waters of the United States. This exclusion applied only to man-made bodies of water which neither were originally created in waters of the United States (such as disposal area in wetlands) nor resulted from the impoundment of waters of the United States. Waters of the United States do not include prior converted cropland. Notwithstanding the determination of an area's status as prior converted croplands by any other federal agency, for the purpose of the Clean Water Act, The final authority regarding Clean Water act jurisdiction remains with EPA.

Figure 1: Map of City Limits of City of Moore

APPENDIX A

Summary Tables of Each BMP

BMP Title:	Brochure: General Stormwater Quality for Adults					
Minimum Control Measure Addressed:	Public Ed.	Public Part.	Illicit Det.	Constr.	Post Const.	Houskeep.
	X	X	X			
BMP Description:	Develop guidance brochure for general public that addresses how urban stormwater affects water quality.					
Suitable For:	General Residential and Commercial Education.					
Supplies, Equipment, Personnel Needed:	Brochures and/or pamphlets.					
BMP Activities:	Design/purchase brochures, store, inventory, distribute, evaluate, modify, re-order, keep records, assess measurable goals, report status to city council, assist with Annual Report.					
Source for More Information:	Contact Person: Elizabeth Jones, City of Moore Address: 301 N. Broadway, Moore, Oklahoma 73160 Phone: 405-793-5053 Email: ejones@ci.moore.ok.us					
Measurable Goals:	09/2006 - Develop artwork and text, purchase quantity 01/2007 - Distribute 3,000 brochures to Public Buildings 01/2008 - Distribute 3,000 brochures to Public Buildings 01/2009 - Distribute 3,000 brochures to Public Buildings 01/2010 - Distribute 3,000 brochures to Public Buildings					
Implementation Schedule:	09/2006 - Select artwork and purchase initial set of brochures 01/2007 - Distribute to Public Buildings 01/2008 - Distribute to Public Buildings 01/2009 - Evaluate effectiveness and modify brochures if necessary 01/2010- Continue to distribute brochures and expand distribution					
Estimated Annual Operational Cost*: <i>* by Fiscal Year - does not include city staff or crew time</i>	2006 - \$ 750 2007 - \$ 500 2008 - \$ 500 2009 - \$ 500 2010 - \$ 500					

BMP Title:	Brochure: Household Chemical Disposal					
Minimum Control Measure Addressed:	Public Ed.	Public Part.	Illicit Det.	Constr.	Post Const.	Houskeep.
	X		X			
BMP Description:	Develop informational brochure on how and where to dispose of household chemicals, and the affects of releasing them into the Stormwater System.					
Suitable For:	General Residential Education					
Supplies, Equipment, Personnel Needed:	Brochures and/or pamphlets.					
BMP Activities:	Design/purchase brochures, store, inventory, distribute, evaluate, modify, re-order, keep records, assess measurable goals, report status to city council, assist with Annual Report.					
Source for More Information:	Contact Person: Elizabeth Jones, City of Moore Address: 301 N. Broadway, Moore, Oklahoma 73160 Phone: 405-793-5053 Email: ejones@ci.moore.ok.us					
Measurable Goals:	09/2006 - Develop artwork and text, purchase quantity 01/2007 - Distribute 3,000 brochures to Public Buildings 01/2008 - Distribute 3,000 brochures to Public Buildings 01/2009 - Distribute 3,000 brochures to Public Buildings 01/2010 - Distribute 3,000 brochures to Public Buildings					
Implementation Schedule:	09/2006 - Select artwork and purchase initial set of brochures 01/2007 - Distribute to Public Buildings 01/2008 - Distribute to Public Buildings 01/2009 - Evaluate effectiveness and modify brochures if necessary 01/2010- Continue to distribute brochures and expand distribution					
Estimated Annual Operational Cost*:	2006 - \$ 750 2007 - \$ 500 2008 - \$ 500 2009 - \$ 500 2010 - \$ 500					
<i>* by Fiscal Year - does not include city staff or crew time</i>						

BMP Title:	Brochure: Septic Tank Maintenance					
Minimum Control Measure Addressed:	Public Ed.	Public Part.	Illicit Det.	Constr.	Post Const.	Houskeep.
	X		X			
BMP Description:	Develop guidance brochure for general public that addresses proper septic tank matintenance and effects of poor septic tank maintenance.					
Suitable For:	General Residential and Commercial Education.					
Supplies, Equipment, Personnel Needed:	Brochures and/or pamphlets.					
BMP Activities:	Design/purchase brochures, store, inventory, distribute, evaluate, modify, re-order, keep records, assess measurable goals, report status to city council, assist with Annual Report.					
Source for More Information:	Contact Person: Elizabeth Jones, City of Moore Address: 301 N. Broadway, Moore, Oklahoma 73160 Phone: 405-793-5053 Email: ejones@ci.moore.ok.us					
Measurable Goals:	09/2006 - Develop artwork and text, purchase quantity 01/2007 - Distribute 3,000 brochures to Public Buildings 01/2008 - Distribute 3,000 brochures to Public Buildings 01/2009 - Distribute 3,000 brochures to Public Buildings 01/2010 - Distribute 3,000 brochures to Public Buildings					
Implementation Schedule:	09/2006 - Select artwork and purchase initial set of brochures 01/2007 - Distribute to Public Buildings 01/2008 - Distribute to Public Buildings 01/2009 - Evaluate effectiveness and modify brochures if necessary 01/2010- Continue to distribute brochures and expand distribution					
Estimated Annual Operational Cost*: <i>* by Fiscal Year - does not include city staff or crew time</i>	2006 - \$ 750 2007 - \$ 500 2008 - \$ 500 2009 - \$ 500 2010 - \$ 500					

BMP Title:	Brochure: Chemical Storage and Disposal					
Minimum Control Measure Addressed:	Public Ed.	Public Part.	Illicit Det.	Constr.	Post Const.	Houskeep.
	X		X			
BMP Description:	Develop guidance brochure for general public that addresses how to store and dispose of household chemicals.					
Suitable For:	General Residential Education					
Supplies, Equipment, Personnel Needed:	Brochures and/or pamphlets.					
BMP Activities:	Design/purchase brochures, store, inventory, distribute, evaluate, modify, re-order, keep records, assess measurable goals, report status to city council, assist with Annual Report.					
Source for More Information:	Contact Person: Elizabeth Jones, City of Moore Address: 301 N. Broadway, Moore, Oklahoma 73160 Phone: 405-793-5053 Email: ejones@ci.moore.ok.us					
Measurable Goals:	09/2006 - Develop artwork and text, purchase quantity 01/2007 - Distribute 3,000 brochures to Public Buildings 01/2008 - Distribute 3,000 brochures to Public Buildings 01/2009 - Distribute 3,000 brochures to Public Buildings 01/2010 - Distribute 3,000 brochures to Public Buildings					
Implementation Schedule:	09/2006 - Select artwork and purchase initial set of brochures 01/2007 - Distribute to Public Buildings 01/2008 - Distribute to Public Buildings 01/2009 - Evaluate effectiveness and modify brochures if necessary 01/2010- Continue to distribute brochures and expand distribution					
Estimated Annual Operational Cost*: <i>* by Fiscal Year - does not include city staff or crew time</i>	2006 - \$ 750 2007 - \$ 500 2008 - \$ 500 2009 - \$ 500 2010 - \$ 500					

BMP Title:	Brochure: Construction Erosion Control					
Minimum Control Measure Addressed:	Public Ed.	Public Part.	Illicit Det.	Constr.	Post Const.	Houskeep.
				X	X	
BMP Description:	Develop guidance brochure for the construction industry that addresses proper use, storage and disposal of on-site chemicals and proper erosion and sediment control measures.					
Suitable For:	All construction activities within the city-wide MS4 system.					
Supplies, Equipment, Personnel Needed:	Brochures and/or pamphlets.					
BMP Activities:	Design/purchase brochures, store, inventory, distribute, evaluate, modify, re-order, keep records, assess measurable goals, report status to city, assist with Annual Report.					
Source for More Information:	Contact Person: Elizabeth Jones, City of Moore Address: 301 N. Broadway, Moore, Oklahoma 73160 Phone: 405-793-5053 Email: ejones@ci.moore.ok.us					
Suggested Measurable Goals:	09/2006 - Develop artwork and text, purchase quantity 01/2007 - Distribute 3,000 brochures to Public Buildings 01/2008 - Distribute 3,000 brochures to Public Buildings 01/2009 - Distribute 3,000 brochures to Public Buildings 01/2010 - Distribute 3,000 brochures to Public Buildings					
Implementation Schedule:	09/2006 - Select artwork and purchase initial set of brochures 01/2007 - Distribute to Public Buildings 01/2008 - Distribute to Public Buildings 01/2009 - Evaluate effectiveness and modify brochures if necessary 01/2010- Continue to distribute brochures and expand distribution					
Estimated Annual Operational Cost*:	2006 - \$ 750 2007 - \$ 500 2008 - \$ 500 2009 - \$ 500 2010 - \$ 500					
<i>* by Fiscal Year - does not include city staff or crew time</i>						

BMP Title:	Brochure: Post-Construction BMP's					
Minimum Control Measure Addressed:	Public Ed.	Public Part.	Illicit Det.	Constr.	Post Const.	Houskeep.
				X	X	
BMP Description:	Develop guidance brochure for construction industry that addresses proper construction and post-construction erosion and sediment control measures.					
Suitable For:	All construction activities within the city-wide MS4 system.					
Supplies, Equipment, Personnel Needed:	Brochures and/or pamphlets.					
BMP Activities:	Design/purchase brochures, store, inventory, distribute, evaluate, modify, re-order, keep records, assess measurable goals, report status to city, assist with Annual Report.					
Source for More Information:	Contact Person: Elizabeth Jones, City of Moore Address: 301 N. Broadway, Moore, Oklahoma 73160 Phone: 405-793-5053 Email: ejones@ci.moore.ok.us					
Suggested Measurable Goals:	09/2006 - Develop artwork and text, purchase quantity 01/2007 - Distribute 3,000 brochures to Public Buildings 01/2008 - Distribute 3,000 brochures to Public Buildings 01/2009 - Distribute 3,000 brochures to Public Buildings 01/2010 - Distribute 3,000 brochures to Public Buildings					
Implementation Schedule:	09/2006 - Select artwork and purchase initial set of brochures 01/2007 - Distribute to Public Buildings 01/2008 - Distribute to Public Buildings 01/2009 - Evaluate effectiveness and modify brochures if necessary 01/2010- Continue to distribute brochures and expand distribution					
Estimated Annual Operational Cost*:	2006 - \$ 750 2007 - \$ 500 2008 - \$ 500 2009 - \$ 500 2010 - \$ 500					
<i>* by Fiscal Year - does not include city staff or crew time</i>						

BMP Title:	Brochure: City Good Housekeeping					
Minimum Control Measure Addressed:	Public Ed.	Public Part.	Illicit Det.	Constr.	Post Const.	Houskeep.
						X
BMP Description:	Develop guidance brochure for city crews and contractors that addresses proper use, storage and disposal of on-site chemicals and proper erosion and sediment control measures.					
Suitable For:	All city crews and contractors.					
Supplies, Equipment, Personnel Needed:	Brochures and/or pamphlets.					
BMP Activities:	Design/purchase brochures, store, inventory, distribute, evaluate, modify, re-order, keep records, assess measurable goals, report status to city, assist with Annual Report.					
Source for More Information:	Contact Person: Elizabeth Jones, City of Moore Address: 301 N. Broadway, Moore, Oklahoma 73160 Phone: 405-793-5053 Email: ejones@ci.moore.ok.us					
Suggested Measurable Goals:	09/2006 - Develop artwork and text, purchase quantity 01/2007 - Distribute 3,000 brochures to Public Buildings 01/2008 - Distribute 3,000 brochures to Public Buildings 01/2009 - Distribute 3,000 brochures to Public Buildings 01/2010 - Distribute 3,000 brochures to Public Buildings					
Implementation Schedule:	09/2006 - Select artwork and purchase initial set of brochures 01/2007 - Distribute to Public Buildings 01/2008 - Distribute to Public Buildings 01/2009 - Evaluate effectiveness and modify brochures if necessary 01/2010- Continue to distribute brochures and expand distribution					
Estimated Annual Operational Cost*: <i>* by Fiscal Year - does not include city staff or crew time</i>	2006 - \$ 750 2007 - \$ 500 2008 - \$ 500 2009 - \$ 500 2010 - \$ 500					

BMP Title:	Brochure: General Water Quality for Schools					
Minimum Control Measure Addressed:	Public Ed.	Public Part.	Illicit Det.	Constr.	Post Const.	Houskeep.
	X					
BMP Description:	Develop guidance brochure for grade school students that addresses how urban stormwater affects water quality.					
Suitable For:	Grade School Children					
Supplies, Equipment, Personnel Needed:	Brochures and/or pamphlets.					
BMP Activities:	Design/purchase brochures, store, inventory, distribute, evaluate, modify, re-order, keep records, assess measurable goals, report status to city, assist with Annual Report.					
Source for More Information:	Contact Person: Elizabeth Jones, City of Moore Address: 301 N. Broadway, Moore, Oklahoma 73160 Phone: 405-793-5053 Email: ejones@ci.moore.ok.us					
Suggested Measurable Goals:	09/2006 - Develop artwork and text, purchase quantity 01/2007 - Distribute 3,000 brochures to Public Buildings 01/2008 - Distribute 3,000 brochures to Public Buildings 01/2009 - Distribute 3,000 brochures to Public Buildings 01/2010 - Distribute 3,000 brochures to Public Buildings					
Implementation Schedule:	09/2006 - Select artwork and purchase initial set of brochures 01/2007 - Distribute to Public Buildings 01/2008 - Distribute to Public Buildings 01/2009 - Evaluate effectiveness and modify brochures if necessary 01/2010- Continue to distribute brochures and expand distribution					
Estimated Annual Operational Cost*:	2006 - \$ 750 2007 - \$ 500 2008 - \$ 500 2009 - \$ 500 2010 - \$ 500					
<i>* by Fiscal Year - does not include city staff or crew time</i>						

BMP Title:	Brochure: Recycling and Re-Use Benefits					
Minimum Control Measure Addressed:	Public Ed.	Public Part.	Illicit Det.	Constr.	Post Const.	Houskeep.
	X	X	X			
BMP Description:	Develop guidance brochure for general public that addresses the benefits of recycling.					
Suitable For:	General Residential and Commercial Education					
Supplies, Equipment, Personnel Needed:	Brochures and/or pamphlets.					
BMP Activities:	Design/purchase brochures, store, inventory, distribute, evaluate, modify, re-order, keep records, assess measurable goals, report status to city, assist with Annual Report.					
Source for More Information:	Contact Person: Elizabeth Jones, City of Moore Address: 301 N. Broadway, Moore, Oklahoma 73160 Phone: 405-793-5053 Email: ejones@ci.moore.ok.us					
Suggested Measurable Goals:	09/2006 - Develop artwork and text, purchase quantity 01/2007 - Distribute 3,000 brochures to Public Buildings 01/2008 - Distribute 3,000 brochures to Public Buildings 01/2009 - Distribute 3,000 brochures to Public Buildings 01/2010 - Distribute 3,000 brochures to Public Buildings					
Implementation Schedule:	09/2006 - Select artwork and purchase initial set of brochures 01/2007 - Distribute to Public Buildings 01/2008 - Distribute to Public Buildings 01/2009 - Evaluate effectiveness and modify brochures if necessary 01/2010- Continue to distribute brochures and expand distribution					
Estimated Annual Operational Cost*:	2006 - \$ 750 2007 - \$ 500 2008 - \$ 500 2009 - \$ 500 2010 - \$ 500					
<i>* by Fiscal Year - does not include city staff or crew time</i>						

BMP Title:	Brochure: Stormwater Basics					
Minimum Control Measure Addressed:	Public Ed.	Public Part.	Illicit Det.	Constr.	Post Const.	Houskeep.
	X					
BMP Description:	Develop guidance brochure for general public that addresses what stormwater is, what pollutes it, and why it should be protected.					
Suitable For:	General Education					
Supplies, Equipment, Personnel Needed:	Brochures and/or pamphlets.					
BMP Activities:	Design/purchase brochures, store, inventory, distribute, evaluate, modify, re-order, keep records, assess measurable goals, report status to city, assist with Annual Report.					
Source for More Information:	Contact Person: Elizabeth Jones, City of Moore Address: 301 N. Broadway, Moore, Oklahoma 73160 Phone: 405-793-5053 Email: ejones@ci.moore.ok.us					
Suggested Measurable Goals:	09/2006 - Develop artwork and text, purchase quantity 01/2007 - Distribute 3,000 brochures to Public Buildings 01/2008 - Distribute 3,000 brochures to Public Buildings 01/2009 - Distribute 3,000 brochures to Public Buildings 01/2010 - Distribute 3,000 brochures to Public Buildings					
Implementation Schedule:	09/2006 - Select artwork and purchase initial set of brochures 01/2007 - Distribute to Public Buildings 01/2008 - Distribute to Public Buildings 01/2009 - Evaluate effectiveness and modify brochures if necessary 01/2010- Continue to distribute brochures and expand distribution					
Estimated Annual Operational Cost*:	2006 - \$ 750 2007 - \$ 500 2008 - \$ 500 2009 - \$ 500 2010 - \$ 500					
<i>* by Fiscal Year - does not include city staff or crew time</i>						

BMP Title:	Training Module for Chemical Storage and Disposal					
Minimum Control Measure Addressed:	Public Ed.	Public Part.	Illicit Det.	Constr.	Post Const.	Houskeep.
						X
BMP Description:	Develop written material, brochures, videos and /or CD-ROMs that address proper use, storage and disposal of on-site chemicals at city facilities. Conduct training sessions with city crews. Coordinate program development through selected partners.					
Suitable For:	City public works crews and supervisors. Coordinate program elements for regional consistency.					
Supplies, Equipment, Personnel Needed:	Create / purchase brochures, videos, CD-ROM disks, forms, PowerPoint presentations and written handouts.					
BMP Activities:	Design/purchase brochures and other training supplies. Conduct training sessions. Store, inventory, distribute, evaluate, modify, re-order, keep records, assess measurable goals, report status to city, assist with Annual Report.					
Source for More Information:	Contact Person: Gary Benefield, City of Moore Address: 301 N. Broadway, Moore, Oklahoma, 73160 Phone: 405-793-5579 Email: gbenefield@ci.moore.ok.us					
Suggested Measurable Goals:	09/2006 - Develop all training supplies, purchase quantity 01/2007 - Conduct annual city training for 50% of target city staff. 01/2008 - Conduct annual city training for 50% of target city staff. 01/2009 - Conduct annual city training for 50% of target city staff. 01/2010 - Conduct annual city training for 50% of target city staff.					
Implementation Schedule:	09/2006 - Select artwork and purchase initial sets of training supplies. 01/2007 - Conduct annual city training. 01/2008 - Conduct annual city training; evaluate effectiveness. 01/2009 - Conduct annual city training; modify program as necessary. 01/2010 - Conduct annual city training.					
Estimated Annual Operational Cost*:	2006 - \$ 500 2007 - \$ 500 2008 - \$ 500 2009 - \$ 500 2010 - \$ 500					
<i>* by Fiscal Year - does not include city staff or crew time</i>						

BMP Title:	Training Module for Water Quality and Regulations					
Minimum Control Measure Addressed:	Public Ed.	Public Part.	Illicit Det.	Constr.	Post Const.	Houskeep.
						X
BMP Description:	Develop written material, brochures, videos and /or CD-ROMs that address regulations pertaining to water quality and how it will affect city facilities. Conduct training sessions with city crews. Coordinate program development through selected partners.					
Suitable For:	City public works crews and supervisors. Coordinate program elements for regional consistency.					
Supplies, Equipment, Personnel Needed:	Create / purchase brochures, videos, CD-ROM disks, forms, PowerPoint presentations and written handouts.					
BMP Activities:	Design/purchase brochures and other training supplies. Conduct training sessions. Store, inventory, distribute, evaluate, modify, re-order, keep records, assess measurable goals, report status to city, assist with Annual Report.					
Source for More Information:	Contact Person: Gary Benefield, City of Moore Address: 301 N. Broadway, Moore, Oklahoma, 73160 Phone: 405-793-5579 Email: gbenefield@ci.moore.ok.us					
Suggested Measurable Goals:	09/2006 - Develop all training supplies, purchase quantity 01/2007 - Conduct annual city training for 50% of target city staff. 01/2008 - Conduct annual city training for 50% of target city staff. 01/2009 - Conduct annual city training for 50% of target city staff. 01/2010 - Conduct annual city training for 50% of target city staff.					
Implementation Schedule:	09/2006 - Select artwork and purchase initial sets of training supplies. 01/2007 - Conduct annual city training. 01/2008 - Conduct annual city training; evaluate effectiveness. 01/2009 - Conduct annual city training; modify program as necessary. 01/2010 - Conduct annual city training.					
Estimated Annual Operational Cost*:	2006 - \$ 500 2007 - \$ 500 2008 - \$ 500 2009 - \$ 500 2010 - \$ 500					
<i>* by Fiscal Year - does not include city staff or crew time</i>						

BMP Title:	Training Module for Data Quality and Data Management					
Minimum Control Measure Addressed:	Public Ed.	Public Part.	Illicit Det.	Constr.	Post Const.	Houskeep.
			X			
BMP Description:	Develop written material, brochures, videos and /or CD-ROMs that address regulations pertaining to data required for stormwater management and how to best manage such data. Conduct training sessions with city crews. Coordinate program development through selected partners.					
Suitable For:	City public works crews and supervisors. Coordinate program elements for regional consistency.					
Supplies, Equipment, Personnel Needed:	Create / purchase brochures, videos, CD-ROM disks, forms, PowerPoint presentations and written handouts.					
BMP Activities:	Design/purchase brochures and other training supplies. Conduct training sessions. Store, inventory, distribute, evaluate, modify, re-order, keep records, assess measurable goals, report status to city, assist with Annual Report.					
Source for More Information:	Contact Person: Gary Benefield, City of Moore Address: 301 N. Broadway, Moore, Oklahoma, 73160 Phone: 405-793-5579 Email: gbenefield@ci.moore.ok.us					
Suggested Measurable Goals:	09/2006 - Develop all training supplies, purchase quantity 01/2007 - Conduct annual city training for 50% of target city staff. 01/2008 - Conduct annual city training for 50% of target city staff. 01/2009 - Conduct annual city training for 50% of target city staff. 01/2010 - Conduct annual city training for 50% of target city staff.					
Implementation Schedule:	09/2006 - Select artwork and purchase initial sets of training supplies. 01/2007 - Conduct annual city training. 01/2008 - Conduct annual city training; evaluate effectiveness. 01/2009 - Conduct annual city training; modify program as necessary. 01/2010 - Conduct annual city training.					
Estimated Annual Operational Cost*:	2006 - \$ 500 2007 - \$ 500 2008 - \$ 500 2009 - \$ 500 2010 - \$ 500					
<i>* by Fiscal Year - does not include city staff or crew time</i>						

BMP Title:	Training Module for Stormwater Quality Inspections					
Minimum Control Measure Addressed:	Public Ed.	Public Part.	Illicit Det.	Constr.	Post Const.	Houskeep.
			X	X	X	X
BMP Description:	Develop written material, brochures, videos and /or CD-ROMs that address types of inspections for stormwater quality and steps for thorough inspections. Conduct training sessions with city crews. Coordinate program development through selected partners.					
Suitable For:	City public works crews and supervisors. Coordinate program elements for regional consistency.					
Supplies, Equipment, Personnel Needed:	Create / purchase brochures, videos, CD-ROM disks, forms, PowerPoint presentations and written handouts.					
BMP Activities:	Design/purchase brochures and other training supplies. Conduct training sessions. Store, inventory, distribute, evaluate, modify, re-order, keep records, assess measurable goals, report status to city, assist with Annual Report.					
Source for More Information:	Contact Person: Gary Benefield, City of Moore Address: 301 N. Broadway, Moore, Oklahoma, 73160 Phone: 405-793-5579 Email: gbenefield@ci.moore.ok.us					
Suggested Measurable Goals*: <i>* by Fiscal Year</i>	09/2006 - Develop all training supplies, purchase quantity 01/2007 - Conduct annual city training for 50% of target city staff. 01/2008 - Conduct annual city training for 50% of target city staff. 01/2009 - Conduct annual city training for 50% of target city staff. 01/2010 - Conduct annual city training for 50% of target city staff.					
Implementation Schedule*: <i>* by Fiscal Year</i>	09/2006 - Select artwork and purchase initial sets of training supplies. 01/2007 - Conduct annual city training. 01/2008 - Conduct annual city training; evaluate effectiveness. 01/2009 - Conduct annual city training; modify program as necessary. 01/2010 - Conduct annual city training.					
Estimated Annual Operational Cost*: <i>* by Fiscal Year - does not include city staff or crew time</i>	2006 - \$ 500 2007 - \$ 500 2008 - \$ 500 2009 - \$ 500 2010 - \$ 500					

BMP Title:	Training Module for Stormwater and City Activities					
Minimum Control Measure Addressed:	Public Ed.	Public Part.	Illicit Det.	Constr.	Post Const.	Houskeep.
			X	X	X	X
BMP Description:	Develop written material, brochures, videos and /or CD-ROMs that address how city activities affect stormwater quality and how to mitigate negative affects. Conduct training sessions with city crews. Coordinate program development through selected partners.					
Suitable For:	City public works crews and supervisors. Coordinate program elements for regional consistency.					
Supplies, Equipment, Personnel Needed:	Create / purchase brochures, videos, CD-ROM disks, forms, PowerPoint presentations and written handouts.					
BMP Activities:	Design/purchase brochures and other training supplies. Conduct training sessions. Store, inventory, distribute, evaluate, modify, re-order, keep records, assess measurable goals, report status to city, assist with Annual Report.					
Source for More Information:	Contact Person: Gary Benefield, City of Moore Address: 301 N. Broadway, Moore, Oklahoma, 73160 Phone: 405-793-5579 Email: gbenefield@ci.moore.ok.us					
Suggested Measurable Goals*: <i>* by Fiscal Year</i>	09/2006 - Develop all training supplies, purchase quantity 01/2007 - Conduct annual city training for 50% of target city staff. 01/2008 - Conduct annual city training for 50% of target city staff. 01/2009 - Conduct annual city training for 50% of target city staff. 01/2010 - Conduct annual city training for 50% of target city staff.					
Implementation Schedule*: <i>* by Fiscal Year</i>	09/2006 - Select artwork and purchase initial sets of training supplies. 01/2007 - Conduct annual city training. 01/2008 - Conduct annual city training; evaluate effectiveness. 01/2009 - Conduct annual city training; modify program as necessary. 01/2010 - Conduct annual city training.					
Estimated Annual Operational Cost*: <i>* by Fiscal Year - does not include city staff or crew time</i>	2006 - \$ 500 2007 - \$ 500 2008 - \$ 500 2009 - \$ 500 2010 - \$ 500					

BMP Title:	Develop MS4 and Outfall Maps					
Minimum Control Measure Addressed:	Public Ed.	Public Part.	Illicit Det.	Constr.	Post Const.	Houskeep.
			X			
BMP Description:	Map MS4 outfalls and streams channels, delineate watersheds, map main portions of the MS4 system, and locate high priority areas. Coordinate program development through selected partners throughout the region.					
Suitable For:	Entire city-wide MS4 system. Coordinate data attributes for regional consistency.					
Supplies, Equipment, Personnel Needed:	GIS software, regional GIS data, computers, Global Positioning System, city crews and ACOG staff.					
BMP Activities:	Obtain GIS and other regional map data; use GPS and visual inspections to locate outfalls and potential sources; compile map data and create GIS-based maps of MS4; update as needed.					
Source for More Information:	Contact Person: Elizabeth Jones, City of Moore Address: 301 N. Broadway, Moore, Oklahoma, 73160 Phone: 405-793-5053 Email: ejones@ci.moore.ok.us					
Suggested Measurable Goals:	01/2006-Obtain GIS data, software. 01/2007-Obtain GPS and other resources. 01/2008-Final maps completed. 01/2009-Revise maps from new data. 01/2010-Revise maps from new data.					
Implementation Schedule:	01/2006-Obtain GIS data, software. Begin data collection. 01/2007-Refine Data collection with GPS and other resources. 01/2008-Complete final map and locate priority areas. 01/2009-Update map data and resources. 01/2010-Update map data and resources.					
Estimated Annual Operational Cost*:	2006-\$ 6,000 2007-\$ 6,000 2008-\$ 2,000 2009-\$ 1,000 2010-\$ 1,000					
<i>* by Fiscal Year - does not include city staff or crew time</i>						

BMP Title:	Develop GIS Database					
Minimum Control Measure Addressed:	Public Ed.	Public Part.	Illicit Det.	Constr.	Post Const.	Houskeep.
			X			
BMP Description:	Map MS4 outfalls and streams channels, delineate watersheds, map main portions of the MS4 system, and locate high priority areas. Coordinate program development through selected partners throughout the region.					
Suitable For:	Entire city-wide MS4 system. Coordinate data attributes for regional consistency.					
Supplies, Equipment, Personnel Needed:	GIS software, regional GIS data, computers, Global Positioning System, city crews and staff.					
BMP Activities:	Obtain GIS and other map data; use GPS and visual inspections to locate outfalls and potential sources; compile map data and create GIS-based map of MS4; update as needed.					
Source for More Information:	Contact Person: Elizabeth Jones, City of Moore Address: 301 N. Broadway, Moore, Oklahoma, 73160 Phone: 405-793-5053 Email: ejones@ci.moore.ok.us					
Suggested Measurable Goals:	01/2006-Obtain GIS data, computers. 01/2007-Obtain GPS and other resources 01/2008-Final maps completed. 01/2009-Revise maps from new data. 01/2010-Revise maps from new data.					
Implementation Schedule:	01/2006-Obtain GIS data, computers. Begin data collection. 01/2007-Refine Data collection with GPS and other resources. 01/2008-Complete final regional maps and locating priority areas. 01/2009-Update map data and resources. 01/2010-Update map data and resources.					
Estimated Annual Operational Cost*: <i>* by Fiscal Year - does not include city staff or crew time</i>	2006-\$ 6,000 2007-\$ 6,000 2008-\$ 2,000 2009-\$ 1,000 2010-\$ 1,000					

BMP Title:	Adopt Construction Ordinance					
Minimum Control Measure Addressed:	Public Ed.	Public Part.	Illicit Det.	Constr.	Post Const.	Houskeep.
				X		
BMP Description:	Adopt City Ordinance that defines and restricts illicit discharges to the stormwater system, and establishes enforcement avenues.					
Suitable For:	All construction activities within the city-wide MS4 system.					
Supplies, Equipment, Personnel Needed:	City Administrative Staff.					
BMP Activities:	Research sample ordinances, obtain comment from stakeholders, develop ordinance to be adopted by City Council, enforce ordinance as necessary after adoption.					
Source for More Information:	Contact Person: Elizabeth Jones, City of Moore Address: 301 N. Broadway, Moore, Oklahoma, 73160 Phone: 405-793-5053 Email: ejones@ci.moore.ok.us					
Suggested Measurable Goals:	09/2006-Research Ordinance Requirements 01/2007-Adopt Ordinance 01/2008-Monitor Compliance 01/2009-Monitor Compliance 01/2010-Revise Ordinance if necessary					
Implementation Schedule:	09/2006-Research Ordinance Requirements 01/2007-Adopt Ordinance 01/2008-Monitor Compliance 01/2009-Monitor Compliance 01/2010-Revise Ordinance if necessary					
Estimated Annual Operational Cost*:	2006-\$ 100 2007-\$ 100 2008-\$ 100 2009-\$ 100 2010-\$ 100					
<i>* by Fiscal Year - does not include city staff or crew time</i>						

BMP Title:	Adopt Post-Construction Ordinance					
Minimum Control Measure Addressed:	Public Ed.	Public Part.	Illicit Det.	Constr.	Post Const.	Houskeep.
					X	
BMP Description:	Adopt City Ordinance that defines and requires post-construction erosion control activities to restrict discharges to the stormwater system, and establishes enforcement avenues.					
Suitable For:	All construction activities within the city-wide MS4 system.					
Supplies, Equipment, Personnel Needed:	City Administrative Staff.					
BMP Activities:	Research sample ordinances, obtain comment from stakeholders, develop ordinance to be adopted by City Council, enforce ordinance as necessary after adoption.					
Source for More Information:	Contact Person: Elizabeth Jones, City of Moore Address: 301 N. Broadway, Moore, Oklahoma, 73160 Phone: 405-793-5053 Email: ejones@ci.moore.ok.us					
Suggested Measurable Goals:	09/2006-Research Ordinance Requirements 01/2007-Adopt Ordinance 01/2008-Monitor Compliance 01/2009-Monitor Compliance 01/2010-Revise Ordinance if necessary					
Implementation Schedule:	09/2006-Research Ordinance Requirements 01/2007-Adopt Ordinance 01/2008-Monitor Compliance 01/2009-Monitor Compliance 01/2010-Revise Ordinance if necessary					
Estimated Annual Operational Cost*:	2006-\$ 100 2007-\$ 100 2008-\$ 100 2009-\$ 100 2010-\$ 100					
<i>* by Fiscal Year - does not include city staff or crew time</i>						

BMP Title:	Public Notification					
Minimum Control Measure Addressed:	Public Ed.	Public Part.	Illicit Det.	Constr.	Post Const.	Houskeep.
	X	X				
BMP Description:	Hold annual public meetings at a City Council meeting to inform the general public of the issue of stormwater quality and the City's Stormwater Management Plan.					
Suitable For:	General Population					
Supplies, Equipment, Personnel Needed:	City Administrative Staff, Power Point, Projector, Laptop.					
BMP Activities:	Prepare Presentation, publicize and post public meeting, and present presentation at a City Council Meeting.					
Source for More Information:	Contact Person: Elizabeth Jones, City of Moore Address: 301 N. Broadway, Moore, Oklahoma, 73160 Phone: 405-793-5053 Email: ejones@ci.moore.ok.us					
Suggested Measurable Goals:	09/2006	Prepare Presentation, hold annual meeting.				
	09/2007	Hold Annual Meeting.				
	09/2008	Hold Annual Meeting.				
	09/2009	Hold Annual Meeting				
	09/2010	Revise Presentation if necessary				
Implementation Schedule:	09/2006	Prepare Presentation, hold annual meeting.				
	09/2007	Hold Annual Meeting.				
	09/2008	Hold Annual Meeting.				
	09/2009	Hold Annual Meeting				
	09/2010	Revise Presentation if necessary				
Estimated Annual Operational Cost*:	2006	\$ 1,000				
	2007	\$ 500				
<i>* by Fiscal Year - does not include city staff or crew time</i>	2008	\$ 500				
	2009	\$ 500				
	2010	\$ 500				

BMP Title:	Home Builders Association Meetings					
Minimum Control Measure Addressed:	Public Ed.	Public Part.	Illicit Det.	Constr.	Post Const.	Houskeep.
				X	X	
BMP Description:	Address local Home Builders Association Meetings at least once annually explaining stormwater regulations and receiving input.					
Suitable For:	Construction Industry					
Supplies, Equipment, Personnel Needed:	City Administrative Staff, Power Point, Projector, Laptop.					
BMP Activities:	Prepare Presentation, and present presentation at a local Homebuilder's Association Meeting, and receive comments.					
Source for More Information:	Contact Person: Elizabeth Jones, City of Moore Address: 301 N. Broadway, Moore, Oklahoma, 73160 Phone: 405-793-5053 Email: ejones@ci.moore.ok.us					
Suggested Measurable Goals:	09/2006	Prepare Presentation, hold annual meeting.				
	09/2007	Hold Annual Meeting.				
	09/2008	Hold Annual Meeting.				
	09/2009	Hold Annual Meeting				
	09/2010	Revise Presentation if necessary				
Implementation Schedule:	09/2006	Prepare Presentation, hold annual meeting.				
	09/2007	Hold Annual Meeting.				
	09/2008	Hold Annual Meeting.				
	09/2009	Hold Annual Meeting				
	09/2010	Revise Presentation if necessary				
Estimated Annual Operational Cost*:	2006	\$ 1,000				
	2007	\$ 500				
<i>* by Fiscal Year - does not include city staff or crew time</i>	2008	\$ 500				
	2009	\$ 500				
	2010	\$ 500				

BMP Title:	Host Stakeholder Meeting at City Hall					
Minimum Control Measure Addressed:	Public Ed.	Public Part.	Illicit Det.	Constr.	Post Const.	Houskeep.
	X	X	X	X	X	
BMP Description:	Host annual stakeholder meetings at a City Council meeting to educate on the issue of stormwater quality and the City's Stormwater Management Plan.					
Suitable For:	Identified Stormwater Stakeholders					
Supplies, Equipment, Personnel Needed:	City Administrative Staff, Power Point, Projector, Laptop.					
BMP Activities:	Identify Stormwater Stakeholders, prepare Presentation, and present presentation at a City Council Meeting, and receive comments.					
Source for More Information:	Contact Person: Elizabeth Jones, City of Moore Address: 301 N. Broadway, Moore, Oklahoma, 73160 Phone: 405-793-5053 Email: ejones@ci.moore.ok.us					
Suggested Measurable Goals:	09/2006	Identify Stormwater Stakeholders, Prepare Presentation				
	09/2007	Hold Annual Meeting.				
	09/2008	Hold Annual Meeting.				
	09/2009	Hold Annual Meeting				
	09/2010	Revise Stakeholders list and Presentation if necessary				
Implementation Schedule:	09/2006	Identify Stormwater Stakeholders, Prepare Presentation				
	09/2007	Hold Annual Meeting.				
	09/2008	Hold Annual Meeting.				
	09/2009	Hold Annual Meeting				
	09/2010	Revise Stakeholders list and Presentation if necessary				
Estimated Annual Operational Cost*:	2006	\$ 1,000				
	2007	\$ 500				
<i>* by Fiscal Year - does not include city staff or crew time</i>	2008	\$ 500				
	2009	\$ 500				
	2010	\$ 500				

BMP Title:	Collect Pollution Data					
Minimum Control Measure Addressed:	Public Ed.	Public Part.	Illicit Det.	Constr.	Post Const.	Houskeep.
			X			
BMP Description:	Coordinate with city crews and selected partners to collect pollution data.					
Suitable For:	General Population, City Staff and Administration					
Supplies, Equipment, Personnel Needed:	City Staff and/or selected partners, testing equipment, analytical equipment.					
BMP Activities:	Pollution Data will be collected on a regular basis (to be determined) and analyzed using approved methods to obtain pollution data to be included with the annual report.					
Source for More Information:	Contact Person: Richard Sandefur, City of Moore, Address: 301 N. Broadway, Moore, Oklahoma 73160 Phone: 405-793-5070 Email: rsandefur@ci.moore.ok.us					
Suggested Measurable Goals:	09/2006	Research BMP Requirements				
	09/2007	Research Needed Staff/Supplies				
	09/2008	Research Testing Points				
	09/2009	Conduct Regular Testing				
	09/2010	Conduct Regular Testing				
Implementation Schedule:	09/2006	Research BMP Requirements				
	09/2007	Research Needed Staff/Supplies				
	09/2008	Research Testing Points				
	09/2009	Conduct Regular Testing				
	09/2010	Conduct Regular Testing				
Estimated Annual Operational Cost*:	2006	\$ 200				
	2007	\$ 200				
<i>* by Fiscal Year - does not include city staff or crew time</i>	2008	\$ 1,000				
	2009	\$ 5,000				
	2010	\$ 5,000				

BMP Title:	Develop Stormwater Web Site					
Minimum Control Measure Addressed:	Public Ed.	Public Part.	Illicit Det.	Constr.	Post Const.	Houskeep.
	X	X	X	X	X	X
BMP Description:	Construct and host a City website that outlines the Stormwater Management Plan and gives notice of new developments.					
Suitable For:	General Population					
Supplies, Equipment, Personnel Needed:	City Administrative Staff, Computer, Server, Scanner, Power Point.					
BMP Activities:	Construct a Stormwater Website in conjunction with the city's website, with links to complaint forms, other websites, and a New Developments in Stormwater Management page, collect comments.					
Source for More Information:	Contact Person: Elizabeth Jones, City of Moore Address: 301 N. Broadway, Moore, Oklahoma, 73160 Phone: 405-793-5053 Email: ejones@ci.moore.ok.us					
Suggested Measurable Goals:	09/2006 Design Website 09/2007 Acquire Additional Hardware/Software; Launch Website 09/2008 Update Website as necessary 09/2009 Update Website as necessary 09/2010 Update Website as necessary					
Implementation Schedule:	09/2006 Research Website Contents and needed hardware/software 09/2007 Launch Website 09/2008 Update Website 09/2009 Update Website 09/2010 Update Website					
Estimated Annual Operational Cost*:	2006 \$ 1,000 2007 \$ 5,000 2008 \$ 2,000 2009 \$ 2,000 2010 \$ 2,000					
<i>* by Fiscal Year - does not include city staff or crew time</i>						

BMP Title:	Sponsor Local Clean-Up Events					
Minimum Control Measure Addressed:	Public Ed.	Public Part.	Illicit Det.	Constr.	Post Const.	Houskeep.
	X	X	X			
BMP Description:	Sponsor Local Clean-Up Events where volunteers and/or community service workers pick up trash along drainage channels and road rights-of-way.					
Suitable For:	General Population					
Supplies, Equipment, Personnel Needed:	City Administrative Staff, trash bags, van, gloves, mechanical arms, safety vests.					
BMP Activities:	Volunteers and/or Community Service workers will participate in neighborhood clean ups throughout the year, with a minimum of 4 clean up events per year.					
Source for More Information:	Contact Person: Lina Thompson, City of Moore Address: 301 N. Broadway, Moore, Oklahoma 73160 Phone: 405-793-5200 Email: lthompson@ci.moore.ok.us					
Suggested Measurable Goals:	09/2006	Conduct clean-up event				
	09/2007	Conduct clean-up event				
	09/2008	Conduct clean-up event				
	09/2009	Conduct clean-up event				
	09/2010	Review effectiveness and revise clean-up events if necessary				
Implementation Schedule:	09/2006	Conduct clean-up event				
	09/2007	Conduct clean-up event				
	09/2008	Conduct clean-up event				
	09/2009	Conduct clean-up event				
	09/2010	Review effectiveness and revise clean-up events if necessary				
Estimated Annual Operational Cost*:	2006	\$ 500				
	2007	\$ 500				
	2008	\$ 500				
	2009	\$ 500				
	2010	\$ 500				
<i>* by Fiscal Year - does not include city staff or crew time</i>						

BMP Title:	Create Display Board for Public Meetings					
Minimum Control Measure Addressed:	Public Ed.	Public Part.	Illicit Det.	Constr.	Post Const.	Houskeep.
	X					
BMP Description:	Create a display board to be displayed in the City Council Chambers outlining what stormwater management is and how to protect it. The final product will be a professional display project that will walk the average resident through the stormwater path, the things that pollute the stormwater, and how to protect our stormwater.					
Suitable For:	General Population					
Supplies, Equipment, Personnel Needed:	City Administrative Staff, Photos, Text, Computer, Foam Core Board, Tape, Glue.					
BMP Activities:	City staff will work with selected partners to create a display board, including obtaining text, photos, drawings, and illustrations. The display board will be put together by city personnel.					
Source for More Information:	Contact Person: Elizabeth Jones, City of Moore Address: 301 N. Broadway, Moore, Oklahoma, 73160 Phone: 405-793-5053 Email: ejones@ci.moore.ok.us					
Suggested Measurable Goals:	09/2006	Research Stormwater effects, pollutants, and mitigation techniques.				
	09/2007	Compile Stormwater Information Board				
	09/2008	Display Stormwater Information Board				
	09/2009	Display Stormwater Information Board				
	09/2010	Revise Information Board if necessary				
Implementation Schedule:	09/2006	Research Stormwater effects, pollutants, and mitigation techniques.				
	09/2007	Compile Stormwater Information Board				
	09/2008	Display Stormwater Information Board				
	09/2009	Display Stormwater Information Board				
	09/2010	Revise Information Board if necessary				
Estimated Annual Operational Cost*:	2006	\$ 100				
	2007	\$ 1,000				
<i>* by Fiscal Year - does not include city staff or crew time</i>	2008	\$ 0				
	2009	\$ 0				
	2010	\$ 1,000				

BMP Title:	Create Signs for Community Education					
Minimum Control Measure Addressed:	Public Ed.	Public Part.	Illicit Det.	Constr.	Post Const.	Houskeep.
	X					
BMP Description:	Create signs to post at selected watersheds to increase public awareness of stormwater management.					
Suitable For:	General Population					
Supplies, Equipment, Personnel Needed:	City Administrative Staff, City Public Works Staff, Signs.					
BMP Activities:	City staff will create a logo and text to label signs. Public Works department will order the signs and set them at strategic locations.					
Source for More Information:	Contact Person: Richard Sandefur, City of Moore, Address: 301 N. Broadway, Moore, Oklahoma 73160 Phone: 405-793-5070 Email: rsandefur@ci.moore.ok.us					
Suggested Measurable Goals:	09/2006 Identify best locations to place signs 09/2007 Design Signs and Place Orders 09/2008 Place Signs 09/2009 Place Signs 09/2010 Place Signs/Review Placement and Revise if necessary					
Implementation Schedule:	09/2006 Identify best locations to place signs 09/2007 Design Signs and Place Orders 09/2008 Place Signs 09/2009 Place Signs 09/2010 Place Signs/Review Placement and Revise if necessary					
Estimated Annual Operational Cost*:	2006 \$ 500 2007 \$ 2,000 2008 \$ 2,000 2009 \$ 2,000 2010 \$ 2,000					
<i>* by Fiscal Year - does not include city staff or crew time</i>						

BMP Title:	Create Signs for City Work Areas					
Minimum Control Measure Addressed:	Public Ed.	Public Part.	Illicit Det.	Constr.	Post Const.	Houskeep.
						X
BMP Description:	Create and place signs at City Work areas, both permanent and temporary, to signify stormwater compliance.					
Suitable For:	General Population, City Crews and Contractors.					
Supplies, Equipment, Personnel Needed:	City Administrative Staff, City Public Works Staff, Signs.					
BMP Activities:	City staff will create a logo and text to label signs. Public Works department will order the signs and set them at strategic locations.					
Source for More Information:	Contact Person: Richard Sandefur, City of Moore, Address: 301 N. Broadway, Moore, Oklahoma 73160 Phone: 405-793-5070 Email: rsandefur@ci.moore.ok.us					
Suggested Measurable Goals*: <i>* by Fiscal Year</i>	09/2006 Identify best locations to place signs 09/2007 Design Signs and Place Orders 09/2008 Place Signs 09/2009 Place Signs 09/2010 Place Signs/Review Placement and Revise if necessary					
Implementation Schedule*: <i>* by Fiscal Year</i>	09/2006 Identify best locations to place signs 09/2007 Design Signs and Place Orders 09/2008 Place Signs 09/2009 Place Signs 09/2010 Place Signs/Review Placement and Revise if necessary					
Estimated Annual Operational Cost*: <i>* by Fiscal Year - does not include city staff or crew time</i>	2006 \$ 500 2007 \$ 2,000 2008 \$ 2,000 2009 \$ 2,000 2010 \$ 2,000					

BMP Title:	School Presentations					
Minimum Control Measure Addressed:	Public Ed.	Public Part.	Illicit Det.	Constr.	Post Const.	Houskeep.
	X	X				
BMP Description:	Research and Prepare handouts and activities targeted towards grade-schoolers to educate about stormwater issues					
Suitable For:	Elementary Students					
Supplies, Equipment, Personnel Needed:	City Administrative Staff, Moore Public School System teaching staff, paper, and computers.					
BMP Activities:	City staff will work with Moore Public School system to educate elementary school students about Stormwater issues. This will be accomplished through typical science curriculum and special handouts and activities.					
Source for More Information:	Contact Person: Elizabeth Jones, City of Moore Address: 301 N. Broadway, Moore, Oklahoma, 73160 Phone: 405-793-5053 Email: ejones@ci.moore.ok.us					
Suggested Measurable Goals:	09/2006	Coordinate with Moore Public Schools to identify needed curriculum				
	09/2007	Create additional handouts and activities, if necessary				
	09/2008	Conduct semi-annual stormwater projects				
	09/2009	Conduct semi-annual stormwater projects				
	09/2010	Revise stormwater projects if necessary				
Implementation Schedule:	09/2006	Coordinate with Moore Public Schools to identify needed curriculum				
	09/2007	Create additional handouts and activities, if necessary				
	09/2008	Conduct semi-annual stormwater projects				
	09/2009	Conduct semi-annual stormwater projects				
	09/2010	Revise stormwater projects if necessary				
Estimated Annual Operational Cost*:	2006	\$ 500				
	2007	\$ 2,000				
	2008	\$ 1,000				
	2009	\$ 1,000				
	2010	\$ 2,000				
<i>* by Fiscal Year - does not include city staff or crew time</i>						

BMP Title:	Stormdrain Marking Program					
Minimum Control Measure Addressed:	Public Ed.	Public Part.	Illicit Det.	Constr.	Post Const.	Houskeep.
			X			
BMP Description:	Create a program to mark all stormdrains within the small MS4 system by year 2008. This program will utilize volunteers and community service workers, as well as city staff, as needed.					
Suitable For:	General Population, City Staff					
Supplies, Equipment, Personnel Needed:	Marking Stencil, Marking Paint, City Public Works Staff, Volunteers, Community Service Workers.					
BMP Activities:	City staff will work with volunteers and Community Service Workers to mark all stormdrains in the MS4 system by stenciling a standard logo on each hood and/or curb.					
Source for More Information:	Contact Person: Richard Sandefur, City of Moore, Address: 301 N. Broadway, Moore, Oklahoma 73160 Phone: 405-793-5070 Email: rsandefur@ci.moore.ok.us					
Suggested Measurable Goals:	09/2006 Create Logo Stencil 09/2007 Mark ¼ city's storm drains 09/2008 Mark ¼ city's storm drains 09/2009 Mark ¼ city's storm drains 09/2010 Mark ¼ city's storm drains					
Implementation Schedule:	09/2006 Create Logo Stencil 09/2007 Mark ¼ city's storm drains 09/2008 Mark ¼ city's storm drains 09/2009 Mark ¼ city's storm drains 09/2010 Mark ¼ city's storm drains					
Estimated Annual Operational Cost*:	2006 \$ 1,000 2007 \$ 3,000 2008 \$ 3,000 2009 \$ 3,000 2010 \$ 3,000					
<i>* by Fiscal Year - does not include city staff or crew time</i>						

BMP Title:	Promote Use of Recycling Centers					
Minimum Control Measure Addressed:	Public Ed.	Public Part.	Illicit Det.	Constr.	Post Const.	Houskeep.
	X	X	X			
BMP Description:	Identify and publicize recycling centers to residents and business owners of Moore. Recycling Centers will be showcased on city's website and cable channel, as well as printing article annually in City Newsletter.					
Suitable For:	General Population					
Supplies, Equipment, Personnel Needed:	City Administrative Staff, computer, powerpoint, .					
BMP Activities:	City staff will create publications and powerpoints to direct general population on how and where to utilize recycling centers in Moore.					
Source for More Information:	Contact Person: Elizabeth Jones, City of Moore Address: 301 N. Broadway, Moore, Oklahoma, 73160 Phone: 405-793-5053 Email: ejones@ci.moore.ok.us					
Suggested Measurable Goals:	09/2006 Research Recycling Centers 09/2007 Create Recycling Center Powerpoint 09/2008 Run powerpoint on web, cable newsletter 09/2009 Run powerpoint on web, cable newsletter 09/2010 Revise powerpoint if necessary					
Implementation Schedule:	09/2006 Research Recycling Centers 09/2007 Create Recycling Center Powerpoint 09/2008 Run powerpoint on web, cable newsletter 09/2009 Run powerpoint on web, cable newsletter 09/2010 Revise powerpoint if necessary					
Estimated Annual Operational Cost*:	2006 \$ 200 2007 \$ 200 * by Fiscal Year - does not include city staff or crew time 2008 \$ 2,000 2009 \$ 2,000 2010 \$ 2,000					

BMP Title:	Inspection Program for MS4 and Outfalls					
Minimum Control Measure Addressed:	Public Ed.	Public Part.	Illicit Det.	Constr.	Post Const.	Houskeep.
			X			
BMP Description:	Adopt City Ordinance that defines and restrict illicit discharges to the stormwater system, and establishes enforcement avenues.					
Suitable For:	General Population					
Supplies, Equipment, Personnel Needed:	City Administrative Staff.					
Source for More Information:	Contact Person: Elizabeth Jones, City of Moore Address: 301 N. Broadway, Moore, Oklahoma, 73160 Phone: 405-793-5053 Email: ejones@ci.moore.ok.us					
Suggested Measurable Goals:	09/2006 Research Ordinance Requirements 09/2007 Adopt Ordinance 09/2008 Monitor Compliance 09/2009 Monitor Compliance 09/2010 Revise Ordinance if necessary					
Implementation Schedule:	09/2006 Research Ordinance Requirements 09/2007 Adopt Ordinance 09/2008 Monitor Compliance 09/2009 Monitor Compliance 09/2010 Revise Ordinance if necessary					
Estimated Annual Operational Cost*:	2006 \$ 3,000 2007 \$ 2,000 2008 \$ 2,000 2009 \$ 1,000 2010 \$ 1,000					
<i>* by Fiscal Year - does not include city staff or crew time</i>						

BMP Title:	Inspection Program for Commercial Facilities					
Minimum Control Measure Addressed:	Public Ed.	Public Part.	Illicit Det.	Constr.	Post Const.	Houskeep.
			X			
BMP Description:	Adopt City Ordinance that defines and restrict illicit discharges to the stormwater system, and establishes enforcement avenues.					
Suitable For:	General Population					
Supplies, Equipment, Personnel Needed:	City Administrative Staff.					
Source for More Information:	Contact Person: Elizabeth Jones, City of Moore Address: 301 N. Broadway, Moore, Oklahoma, 73160 Phone: 405-793-5053 Email: ejones@ci.moore.ok.us					
Suggested Measurable Goals:	09/2006 Research Ordinance Requirements 09/2007 Adopt Ordinance 09/2008 Monitor Compliance 09/2009 Monitor Compliance 09/2010 Revise Ordinance if necessary					
Implementation Schedule:	09/2006 Research Ordinance Requirements 09/2007 Adopt Ordinance 09/2008 Monitor Compliance 09/2009 Monitor Compliance 09/2010 Revise Ordinance if necessary					
Estimated Annual Operational Cost*:	2006 \$ 3,000 2007 \$ 2,000 2008 \$ 2,000 2009 \$ 1,000 2010 \$ 1,000					
<i>* by Fiscal Year - does not include city staff or crew time</i>						

BMP Title:	Inspection Program for Construction Activities					
Minimum Control Measure Addressed:	Public Ed.	Public Part.	Illicit Det.	Constr.	Post Const.	Houskeep.
			X			
BMP Description:	Adopt City Ordinance that defines and restrict illicit discharges to the stormwater system, and establishes enforcement avenues.					
Suitable For:	General Population					
Supplies, Equipment, Personnel Needed:	City Administrative Staff.					
Source for More Information:	Contact Person: Elizabeth Jones, City of Moore Address: 301 N. Broadway, Moore, Oklahoma, 73160 Phone: 405-793-5053 Email: ejones@ci.moore.ok.us					
Suggested Measurable Goals:	09/2006 Research Ordinance Requirements 09/2007 Adopt Ordinance 09/2008 Monitor Compliance 09/2009 Monitor Compliance 09/2010 Revise Ordinance if necessary					
Implementation Schedule:	09/2006 Research Ordinance Requirements 09/2007 Adopt Ordinance 09/2008 Monitor Compliance 09/2009 Monitor Compliance 09/2010 Revise Ordinance if necessary					
Estimated Annual Operational Cost*:	2006 \$ 3,000 2007 \$ 2,000 2008 \$ 2,000 2009 \$ 1,000 2010 \$ 1,000					
<i>* by Fiscal Year - does not include city staff or crew time</i>						

BMP Title:	Inspection Program for Municipal Facilities					
Minimum Control Measure Addressed:	Public Ed.	Public Part.	Illicit Det.	Constr.	Post Const.	Houskeep.
			X			
BMP Description:	Adopt City Ordinance that defines and restrict illicit discharges to the stormwater system, and establishes enforcement avenues.					
Suitable For:	General Population					
Supplies, Equipment, Personnel Needed:	City Administrative Staff.					
Source for More Information:	Contact Person: Richard Sandefur, City of Moore, Address: 301 N. Broadway, Moore, Oklahoma 73160 Phone: 405-793-5070 Email: rsandefur@ci.moore.ok.us					
Suggested Measurable Goals:	09/2006 Research Ordinance Requirements 09/2007 Adopt Ordinance 09/2008 Monitor Compliance 09/2009 Monitor Compliance 09/2010 Revise Ordinance if necessary					
Implementation Schedule:	09/2006 Research Ordinance Requirements 09/2007 Adopt Ordinance 09/2008 Monitor Compliance 09/2009 Monitor Compliance 09/2010 Revise Ordinance if necessary					
Estimated Annual Operational Cost*:	2006	\$ 3,000				
	2007	\$ 2,000				
<i>* by Fiscal Year - does not include city staff or crew time</i>	2008	\$ 2,000				
	2009	\$ 1,000				
	2010	\$ 1,000				

BMP Title:	Dry-Weather Field Screening					
Minimum Control Measure Addressed:	Public Ed.	Public Part.	Illicit Det.	Constr.	Post Const.	Houskeep.
			X			
BMP Description:	Adopt City Ordinance that defines and restrict illicit discharges to the stormwater system, and establishes enforcement avenues.					
Suitable For:	General Population					
Supplies, Equipment, Personnel Needed:	City Administrative Staff.					
Source for More Information:	Contact Person: Elizabeth Jones, City of Moore Address: 301 N. Broadway, Moore, Oklahoma, 73160 Phone: 405-793-5053 Email: ejones@ci.moore.ok.us					
Suggested Measurable Goals:	09/2006 Research Ordinance Requirements 09/2007 Adopt Ordinance 09/2008 Monitor Compliance 09/2009 Monitor Compliance 09/2010 Revise Ordinance if necessary					
Implementation Schedule:	09/2006 Research Ordinance Requirements 09/2007 Adopt Ordinance 09/2008 Monitor Compliance 09/2009 Monitor Compliance 09/2010 Revise Ordinance if necessary					
Estimated Annual Operational Cost*:	2006 \$ 3,000 2007 \$ 2,000 2008 \$ 2,000 2009 \$ 1,000 2010 \$ 1,000					
<i>* by Fiscal Year - does not include city staff or crew time</i>						