CITY OF NIXA, MISSOURI

APPLICATION FOR STORMWATER PERMIT FOR SMALL MUNICIPAL SEPARATE STORM SEWER SYSTEM (MS4)

FORM M, PART 4.

STORMWATER MANAGEMENT PROGRAM

INTRODUCTION

The City of Nixa has a Municipal Separate Storm Sewer System (MS4). With a population of over 10,000, it is a Missouri "regulated MS4' and must obtain a NPDES Stormwater Permit. It is also the responsibility of the City of Nixa to develop a Stormwater Management Plan (SMP). The requirements for the SMP are set forth in Part IV of the general permit.

It is the intention of the City of Nixa to comply with all aspects of the Phase 2 stormwater regulations. To date the City has not adopted a comprehensive SMP plan; however, we do have several stormwater management programs in place. We currently have several programs which provide many aspects of the six minimum control measures which are set forth in the general permit. For example the City of Nixa currently has a sediment and erosion control plan which provides regulations for construction site runoff for grading of sites 1 acre or greater. On the other hand, the City does not currently have the staff or funding resources to provide a comprehensive post construction operation and maintenance of stormwater BMPs.

In order to fully comply with the terms of the permit, it is our intention in this submittal to:

- Review our existing program
- Compile the various parts of our existing program into a single SMP document, and
- Identify areas where new or additional programs or requirements will be needed.

Where the need is identified for new or additional programs, public input will be sought in developing these programs. Any new regulations or requirements will require the consideration and approval of the Nixa Board of Aldermen, and other City boards such as the Planning & Zoning Commission. Public notice will be given and public hearings held as required by State Statute.

The City will adapt this plan to its own unique situation and will attempt to improve the plan each year. As circumstances change, new solutions may be necessary to better control pollution in stormwater. This plan is a foundation on which new and innovative ideas and solutions can be developed in the years to come to protect the water quality of our local streams.

City of Nixa
Crossroads to the Ozarks

The City of Nixa is southwest Missouri's fastest growing city located in Christian County, the 66th fastest growing county in the United States. Between 1990 (population 4,707) and 2000 (population 12,124), the city experienced a staggering growth rate of 157%. Currently, the city estimates a population of 17,000 persons, with population projections for 2010 suggesting that the city will surpass a population of 20,000. In 2000, the Census Bureau reported that 4,679 dwelling units existed within Nixa's city limits. More than 2,285 dwelling units have been permitted since 2000 indicating a 49% increase in dwelling units.

Nixa is situated on the upland Springfield Plateau. The gently rolling landscape gives way to steep slopes in the James River drainage basin along the northern edge of the city with the southeast portion of the city draining to the Finley River. Elevations range from a high of 1,325 feet above mean sea level in the southwest to a low of approximately 1,095 feet where the James River leaves the area.

The city is located in a Karst area where sinkholes are prevalent with the highest concentration located in the northwest part of town. There are over 265 sinkholes and 23 caves in the Nixa Karst area.

The surface drainage for the City of Nixa is divided between the James River to the north and the Finley River to the south. Approximately 70% of the area drains into tributaries of the James River and 30% drains into the Finley River. The James River carries approximately 176 cubic feet of water per second with the Finley River caring an average of 30 to 50 cubic feet per second.

Nixa has a humid continental climate, characterized by mild winters and hot summers. The average yearly temperature is in the fifties (F°) and the average relative humidity is 73%. Total precipitation for years of record range from a low of 25.21 inches in 1953 to a high of 63.19 inches in 1990, with an average annual precipitation normally ranging between 30 to 50 inches.

The city is home to several retail and industrial employers. Nixa is home to 531 business's employing between 1 and 60 employees with the following eight as the city's largest employers:

- Nixa R-2 School District 555 employees
- Wal-Mart 353 employees
- Diversified/Accurate Plastics 225 employees
- Nauvilis 217 employees
- Price Cutter 100 employees
- City of Nixa 118 employees
- Christian County Enterprises 92 employees
- Christian County Health Care 75 employees

Drainage features in the city include detention/retention ponds and underground storm sewers. There are approximately 50.76 miles of stormwater drains and 996 manholes/inlets in the City. The city has expanded the stormwater system by approximately 8 miles in the last two years due to new development. There are relatively few areas of the city that do not have underground storm sewer. These areas are generally concentrated in the east central part of town which constitutes the older area of Nixa that was developed prior to the city adopting a storm water management plan.

DEFINITIONS

Stormwater: The rain water that flows off parking lots, yards, and other properties into roadside ditches, storm drains, and streams during a rainstorm.

Municipal Separate Storm Sewer System: A stormwater sewer (drainage) system that is "separate" from a regular domestic sewage system. The stormwater sewer system discharges directly to a stream without treatment of the rainwater.

MS4: An abbreviated term for the phrase "Municipal Separate Storm Sewer System". (One "M" and four "S's".)

Regulated MS4: A Municipal Separate Storm Sewer System that is required to obtain an NPDES Permit and comply with the Missouri stormwater regulations.

MCM: An abbreviated term for "Minimum Control Measure".

Minimum Control Measure: One of the six categories, which at a "minimum," must be addressed in the stormwater management plan. The six categories include Public Information, Public Participation, Illicit Discharges, Construction Site Runoff, Post-construction Runoff, and Pollution Prevention/Good House Keeping. Each of these categories is a Minimum Control Measure.

BMP: An abbreviated term for "Best Management Practice".

Best Management Practice: A type of management, habit, action, practice, type of construction or other ways of doing things that accomplishes the best result given the circumstances (size, budget, other factors) a city must work under. Each city must look at its own particular situation and determine what BMPs work best to implement the six MCMs.

MEP: An abbreviated term for "Maximum Extent Practicable"

Maximum Extent Practicable: Doing your best to the maximum extent that is practical- given your city's abilities and needs.

GENERAL PERMIT REQUIREMENTS FOR SMP

Part IV.A. Requirements

Present Program: Paragraphs 1 through 6 of this section set forth requirements generally as contained in the Missouri Clean Water Law; hence these requirements already apply to stormwater activities in the City.

Program Needs: The City of Nixa proposes to set forth these requirements specifically in a stormwater management ordinance. This ordinance would be adopted as a part of the General Conditions and Technical Specifications Manuel ordinance, and would require public hearings before the Planning & Zoning Commission, with final approval by the Board of Aldermen. A series of public hearings would be held prior to adoption of the ordinance.

PART IV. B. MINIMUM CONTROL MEASURES

1. Public Education and Outreach

Present Program: The citizens and leadership of Nixa have long realized the importance of protecting water quality. A considerable amount of study and attention have been given to water resources in the City of Nixa and surrounding areas. In the 1990's concern over the effects of water quality in the James River watershed led to the City participating in the founding of the James River Basin Partnership.

The James River Basin Partnership is a grass roots locally led organization aimed at providing the basic knowledge for citizens to make informed responsible decisions about the wise use and preservation of our water resources. The JRBP is a project of the Southwest Missouri Resource Conservation and Development (RC&D), Inc., with support from the Natural Resources, United States Environmental Protection Agency, Branson/Lakes Area Chamber of Commerce, City of Branson, City of Nixa, and Bass Pro Shops.

The 1990s also saw the formation of Ozark Greenways, a citizens group dedicated to the preservation of open space and greenway corridors. The City of Nixa has worked with Ozark Greenways to establish bike and pedestrian plans for future enlargement of the Ozark Greenways trail system.

In 2005 the City of Nixa teamed up with the James River Basin Partnership to work on an education program aimed at addressing "Non-Point Source Pollution". The City of Nixa Street Department is installing curb markers on stormwater drains that read "Keep it Clean, Drains to James River"

In addition to the drain markers the Street Department is also distributing door hangers when storm drains are marked to provide further education on the effects of non-point pollution. The door hangers provide information on the damaging effects to rivers and streams that can occur from improperly disposing hazardous materials such as yard waste, oil, antifreeze and litter into storm drains. The intent is to educate citizens and provide curb markers to remind citizens to protect our streams and rivers from pollution.

Program Needs: The City of Nixa has a goal of significantly increasing awareness among its citizens of stormwater pollution. As noted above, a strong framework of public information and educational activities is already in place. It is our intention to further these efforts to meet the requirements of the general permit. The strategy for accomplishing the goal will include several measurable efforts to raise public awareness of how stormwater is contaminated and ways each individual can help minimize the problem. Outreach will seek to inform people about the following subjects:

1. The proper handling and disposal of solid wastes.
2. The proper handling and disposal of hazardous wastes.
3. The proper handling and application of fertilizers and pesticides on lawns.
4. The elimination of illegal dumping of oil and other chemicals into storm drains.
5. The importance of erosion control structures on construction sites to prevent sediment from eroding into storm drains.
6. The importance of detention basins and other post-construction structures to prevent erosion down stream of new development.

Actions and Measurable Goals:

Action 1. Establish a stormwater section on the City's website that discusses the six subjects listed above. This will be a collaborative effort between City of Nixa staff and the James River Basin Partnership. The JRBP has established a library of information that can be utilized by the City to provide area specific information to the citizens. The website will target the not only existing citizens of Nixa but also those interested in locating in the community.

Measurable Goal: Establish website information by March of 2009.

Action 2: Place informational brochures available to the public in city hall discussing the six subjects listed above. These brochures will provide information to existing homeowners as well as builders and developers who construct in Nixa.

Measurable Goal: Have brochures in place by January of 2009.

2. Public Involvement and Participation

Present Program: Developments in the City of Nixa are administered under the provisions of the Land Development Code, Technical Specifications and Storm Water Manuel and Building Regulations. All three regulations reference development activities and related stormwater management. These include site runoff and post-construction stormwater management. Subdivision of land requires approval of a preliminary plat. For a preliminary plat to be approved, a public hearing before the Planning and Zoning Commission and Board of Aldermen is required. Public notice is given as required by State Statue. For existing lots where subdivision is not required prior to application for a grading permit or building permit, there is no requirement for public hearing.

The City of Nixa currently has several cleanup efforts in place to elicit public participation in highway cleanup. The City adopted a section of Missouri Highway 14 from Water Street west to Hwy. 160 through the state adopt a highway program. Cleanup efforts include four scheduled cleanups per year using a combination of City employees and citizen volunteers.

Along with the Hwy. 14 cleanup efforts the City Street Department has accepted maintenance of the Hwy. 160 corridor from South St. to Bentwater subdivision. This is a two mile stretch of highway. Maintenance includes mowing and trash removal as well as vegetative maintenance of approximately 200 trees.

Finally, City expenditures for stormwater management activities are included in the annual budget adopted by the Nixa Board of Aldermen. The budget is reviewed in public hearings before the Board of Aldermen which are open to public comment. Copies of the budget are available to the public at the Nixa City Hall, 715 W. Mt. Vernon, Nixa MO, 65714.

Program Needs: In addition to the activities identified above, the City of Nixa has identified the following program deficiencies that are to be implemented to meet the requirements of the general permit.

Action: The City recognizes and supports the efforts of the James River Basin Partnership through its stewardship of the James River and Finely River watershed management. The JRBP has been instrumental in developing and initiating best management practices for point and non-point pollution. The City will continue with its support and participation of this group's effort.

Measurable goals: Continue with financial support and participation on the board of directors of the JRBP on an annual basis.

Action: The City will participate in the Missouri Stream Team program through sponsorship of a Stream Team.

Measurable Goal: The City of Nixa Parks Department developed a Stream Team and added it to its list of programs in the spring of 2008. The City will support at least 2 stream cleanups per year by disposing of the refuse collected free and providing public service announcements of the events. This program is intended to instill stream stewardship in Nixa's youth.

Action: The City will form a Stormwater Committee to discuss stormwater issues and make suggestions for improvements.

3. Illicit Discharge Detection/Elimination

Present Program: The City of Nixa is a 4th Class municipality and has adopted building codes as provided for in Missouri State Statues. Nixa currently has the 2006 International Building Code adopted. These codes include the plumbing codes and codes for one and two family residential dwellings. These regulations provide requirements for discharges and connections which are permitted and prohibited to the storm drainage system or to surface waters as well as enforcement and penalty provisions for violations. Applicable sections of the building and plumbing code are included in Appendix ___.

In addition to the 2006 International Building Code the City also has adopted local codes pertaining to proper disposal of wastes. Chapter 17 of the City of Nixa Code of ordinances provides regulations making it unlawful to discharge untreated sewage into any natural outlet within the City. It is also unlawful for any person to place, deposit or permit to be deposited in any unsanitary manner on public or private property any human or animal excrement, garbage or other objectionable waste. Applicable sections of the Nixa Code of Ordinances are included.

Program Needs: In addition to the activities identified above, the City of Nixa has identified the following program deficiencies that are to be implemented to meet the requirements of the general permit.

Action: The City of Nixa will initiate a visual inspection program. This program will utilize the Street Department to visually inspect stormwater inlets during the year to detect illegal discharges to the storm sewers.

Measurable Goal: The City will visually inspect 25% of all stormwater inlets each year and record the inspection date and result.

Action: The City will establish a phone number that can be called to report illegal discharges and develop a response and reporting system to track complaints.

Measurable Goal: The City will notify citizens through the use of the internet by posting a phone number on the City's website and also through notification in the City Utility Billing. Reports received shall be investigated with a log developed to track the complaints and the response to the complaint. This goal shall be coordinated with the City's public education and outreach program on education citizens of illicit discharge detection. The complaint reporting and response program shall be developed by March of 2009.

Action: The City of Nixa will establish an ordinance and hold public hearings regarding the adoption of regulations prohibiting the discharge of oil, paints, wash water, and other wastes into the city storm sewer system.

Measurable Goal: The City will hold public discussions on an illegal discharge ordinance with adoption occurring by Summer of 2009.

Action: Develop a storm sewer map, showing the location of the storm sewer system including inlet size and outfalls of the system.

Measurable Goal: The City of Nixa is in the process of developing a Geographic Information System (GIS). This system is being developed to include all public infrastructure the City maintains. As part of the system building the Street Department is currently numbering all inlets and recording the size, location and piping coming into and out of the storm inlets. Through the GIS system the City will utilize a Global Positioning System (GPS) to provide coordinates for exact locations of the storm sewer system. The City will continue to develop this mapping system. Field data will be complied and collection efforts completed by June of 2008 with a completed GIS mapping system to follow.

Action: Develop formal inspection procedures and protocol with training for staff inspectors. The training efforts will be provided to educate City inspectors in the proper detection of illicit discharges and protocols for reporting and tracking illicit discharges.

Measurable Goal: The City shall develop the training and inspection program by September of 2009.

4. Construction Site Runoff Control

Present Program: On November 13, 1995 the City of Nixa adopted sediment and erosion control regulations as part of the General Conditions, Technical Specifications and Storm Water Management Plan. These regulations apply to all non-agricultural land disturbances activities in the City. The goal of the regulations is to effectively minimize erosion and discharge of sediment by application of relatively simple and cost effective Best Management Practices (BMPs). The soil and erosion control plan does not apply to construction sites less than one acre in size unless located within 25 feet of a spring, sinkhole, wetland, or watercourse.

Program Needs: In addition to the activities identified above, the City of Nixa has identified the following program deficiencies that are to be implemented to meet the requirements of the general permit.

Action: Formalize the grading permit process as identified in the sediment and erosion control plan. Updates to the plan will also be compiled to make the plan compatible with the State of Missouri's Land Disturbance program.

Measurable Goal: By September of 2009 the City shall develop a separate grading permit that must be obtained by a contractor prior to disturbance of a site. The grading permit must be completed by a registered engineer in the State of Missouri and must include proper erosion control measures and BMPs.

Action: Attach an informational brochure on proper erosion control measures to every construction permit issue by the City.

Measurable Goal: Attach the informational brochure to the construction permits within 6 months of the issuance of the NPDES permit.

Action: Develop an inspection program for construction sites of one acre or more.

Measurable Goal: Within 1 year of the issuance of the permit the City will initiate a formal inspection/enforcement program for erosion control measures at construction sites. Construction sites will receive continual inspections throughout the construction process with a formalized reporting procedure developed for tracking purposes.

5. Post-Construction Stormwater Management

Present Program: As with most communities, the City of Nixa's regulations and requirements for stormwater management have traditionally focused on stormwater facilities for conveyance of stormwater runoff and flood control. The City of Nixa has adopted requirements for the design and construction of storm sewers, drainage channels and stormwater detention basins to serve new developments.

For the purposes of the stormwater management plan, we define **post-construction stormwater management** as a combination of non-structural and structural BMP's which control both the planning of new developments and the design, construction, operation and maintenance for *permanent* stormwater management facilities in those developments, as opposed to stormwater management for construction sites, which should be by its very nature, temporary.

Nixa's definition of non-structural and structural BMP's may be somewhat different than the commonplace usage at MDNR. However, our definitions are consistent with the way these terms are used nationally and by USEPA:

Non-structural BMPs include practices which affect stormwater quality by activities and requirements which do not include construction of stormwater facilities per se. Examples of non-structural BMP's are public education, standards for land use planning and design, etc.

Structural BMPs are those which result in the actual construction of a stormwater management facility. Permanent structural BMP's included riprap, concrete trickle channels, detention basins, etc., which will remain in place through the life of the development.

The City of Nixa has adopted a number of regulations and policies which are very effective non-structural BMPs with regard to water quality protection. These include:

Comprehensive Plan
Zoning Regulations
Subdivision Regulations
Floodplain Management Regulations
Stormwater Design Standards

Program Needs: While the City of Nixa has been pro-active in developing and adopting requirements for protection of water quality, there are a number of areas where additional measures appear to be needed to comply with the requirements of the general permit. The City of Nixa has identified the following program deficiencies that are to be implemented to meet the requirements of the general permit.

Action: Develop a program for long-term operation and maintenance of BMP's including monitoring to determine whether the BMP's are reducing the discharge of pollutants to the maximum extend practicable.

Measurable Goal: At present the City of Nixa only provides operation and maintenance for permanent stormwater facilities that are on City owned Right-of-Way or have been dedicated to the City for maintenance. Operation and maintenance for permanent stormwater facilities located on private property are the responsibility of the property owner. For commonly owned private facilities, the Subdivision Regulations include requirements for formation of a homeowners' or property owners' association and mandatory collection of dues to provide for operation and maintenance.

The City does not presently have sufficient staff to monitor maintenance activities by private property owners. Our current operations only allow for monitoring on a complaint basis only. Staffing needs to effectively address operations and maintenance will need to be addressed. Minimum maintenance requirements will need to be drafted and adopted. The City will create an inventory of privately owned storm drainage facilities with a schedule for maintenance of the facilities developed.

Through a cooperative effort with Christian County, Greene County and the City of Nixa OEWRI has been contracted to perform monitoring for the outfall sites that affect the three entities. The sample sites listed in the contract (enclosed) will be monitored 5 times per year for a 5 year period. Water samples will be collected during the first flush period of the onset of storm runoff. One sample will be collected every 1 to 3 months so as to spread the sampling out across the seasons.

Action: The City of Nixa will monitor new construction sites to ensure BMP's used are maintained until construction of the area is completed.

Measurable Goal: The city currently provides inspection for new construction on both City-owned and private development projects. Procedures for inspection and approval of permanent stormwater facilities are included in the Land Development Code, Building regulations and Stormwater Design Standards. The City will develop language to be included in the Sediment and Erosion Control Plan to ensure continued inspection and maintenance of BMP's until construction of the area is completed. The City will draft an ordinance within one year of issuance of the permit.

6. Pollution Prevention/Good Housekeeping for Municipal Operations

Present Program: "Municipal" operations for the City of Nixa include two functions:

1. The City of Nixa Street Department operates and maintains over 70 miles of public roads, including the storm drainage system contained with the public road right-of-way. City Public Works operations are located on a 2 acre site located in the Nixa Industrial Park. The Public Works department also provides upkeep and maintenance for all City owned vehicles, including vehicle washing.

2. Upkeep of the grounds is handled in house provided by personnel at the facility.

The Public Works facility is home to the Street Department, Water/Wastewater Department and the Electric Department. All equipment and operations pertaining to Street, Water and Electric functions are handled at this site. Wastewater operations and equipment are maintained at the City owned sewer treatment facility southeast of town. Wastewater operations and maintenance are guided by the general operating permit obtained by the Missouri Department of Natural Resources (MDNR). Park facilities in the City of Nixa are operated by the City of Nixa Park Department, which functions as a separate department independent from Public Works on a separate campus.

Program Needs: The following narrative includes synapses of our current housekeeping programs and proposed changes to our current operations to comply with the general permit.

Salt Storage: The City of Nixa presently utilizes an enclosed salt storage facility located on the Public Works campus at 1010 N. Eaglecrest Dr. Nixa, Missouri. The storage facility is located on relatively flat ground. Any runoff emanating from the area around the storage will flow northeast to a detention basin located on campus. Calcium Chloride and Salt Brine are stored in approved above ground containers located on the Public Works campus.

Equipment Washing: Trucks, heavy equipment and miscellaneous equipment used at the facility are washed and maintained on site. DC-99 and Citrosol, both citrus based solvents, are used in place of petroleum or chlorinated solvent products. At present the City does not utilize a washing facility. This practice will be eliminated with the addition of a vehicle washing facility including a holding tank with a skimmer for wash water.

Shop Activity: Parts are washed in a self contained parts washer. The equipment and solvent used are provided by Safety Clean on a monthly contract. Through our contract with Safety Clean all solvents are dropped off and picked up by the company. At present the City of Nixa does not have a standard operating procedure for removal of used oil and used oil filters. This practice will be eliminated with the inclusion of a

contract for storage and removal of used motor oil, antifreeze and other used byproducts of vehicle maintenance.

Fuel Storage Facility: The City of Nixa does not currently have a fuel storage facility for City vehicles. All fuel is purchased from area venders on an as-needed basis.

Herbicide Program: The City of Nixa Street Department utilizes herbicides on a limited basis. Products used include Davies Weed Kill 200, 400, 100 and Repo Kill 3 stored in 55 gallon drums in a locked storage unit. Application is accomplished through a spray tank and wand applicator mounted on a city truck. The City of Nixa also operates a ULV Fogger for mosquito control. The fogger is also mounted on a city truck.

City Road and Special Projects: Environmental concerns are dealt with through preliminary and construction plan preparation and monitored through phases of construction.

Street Sweeper Operations: The City of Nixa currently operates one street sweeper with purchase of a second sweeper budgeted for 2007. Materials collected by the two machines will be off loaded into an approved holding facility to be taken to an area landfill.

Surface Water: Water flows north across the Public works campus and is collected in two detention basins. From the basins the water is released into the City of Nixa stormwater collection system. It is proposed to install sediment collection and BMP's to better collect materials that reach the basins prior to release in the City stromwater collection system.

Parks Facilities: The Nixa Community Center operates a public pool complete with bulk chemical tanks that inject chemicals into the pool during the pool operation season. The 1,500 gallon bulk chemical tanks are housed in the pump operation control center located in a building adjacent to the pool. Chemicals are purchased throughout the season in 360 gallon totes. The chemicals are not handled by parks department staff. All chemical injection systems are automated. Upon completion of the season the chemical equipment is turned off and the pool water remains in the pool for one week to allow for the chemicals to evaporate. Upon evaporation of the chemicals the pool is drained for the season and all unused chemicals remain in the bulk storage tanks for use in the next season.

Also include at the park site is an equipment shed that is used for storage of yard maintenance equipment including mowers, week eaters, leaf blowers etc. All maintenance of mowing equipment is handled through the public works facility.

In order to comply with the permit requirements we need to:

- Inventory stromwater facilities on public road right-of-way
- Develop a routine schedule for maintenance activities related to stormwater quality
- Formalize documentation and schedule for employee training
- Construct a washing facility with proper drainage and collection activates
- Contract with an approved vender for vehicle maintenance by products
- Contract with an approved vendor for material collected by street sweeper operations
- Make sediment and erosion control improvements to the detention facilities located on campus.
- Annual training for employees on environmental awareness issues. The City currently has a safety training program with training conducted through the Safety Officer. The current training program will be modified to include topics related to the above mentioned issues.

Training and documentation activities will be formalized for City employees, including training in the following specific areas:

- Routine inspection of equipment yards, material storage facilities, and stormwater facilities.
- Procedures for cleaning inlets, manholes, storm sewers, culverts and outfalls.
- Waste disposal from maintenance activities
- Procedures for storage, handling, application, and disposal of herbicides and pesticides.
- Spill response and clean-up.
- Salt and de-icer storage and application
- Used oil recycling
- Vehicle maintenance procedures

Part IV.C. Sharing Responsibility

As noted in the foregoing sections, several of the activities included in Public Education and Outreach and Public Involvement and Participation are funded jointly by the City of Nixa and the James River Basin Partnership and other agencies. The bulk of activities that need implementation will be funded solely by the City of Nixa.

Part V. Monitoring, Record Keeping and Reporting

Paragraph A. Monitoring

In accordance with the requirements of the general permit, we propose to:

- Develop methods and procedures for evaluating program compliance
- Assess the appropriateness and effectiveness of identified BMP's on an annual basis
- Develop methods and procedures to measure progress towards achieving measurable goals, including reducing the discharge of pollutants to the maximum extend practicable.
- Prepare and submit a monitoring plan to MDNR

Paragraph B. Record Keeping

Records of all permits and inspection reports are currently kept on file in the offices of the City of Nixa Development Department and the Public Works Department. All files are available for public inspection upon request during normal business hours.

Copies of the general permit will be kept on file and will be available for inspection by the public as required in the general permit.

Paragraph C. Reporting

An annual report will be prepared and submitted to the Director of the Department of Natural Resources by January 31st of each calendar year. In accordance with the requirements of the general permit the annual report will contain the following:

- Status of compliance with permit conditions
- Assessment of the appropriateness of identified best management practices (BMPs)
- Progress towards achieving identified goals for each of the six minimum control measures
- Progress towards the statutory goal of reducing the discharge of pollutants to the maximum extent practicable

- Results of information collected and analyzed including monitoring data, if any
- A summary of stormwater activities which are planned during the next reporting cycle, including an implementation schedule
- Any changes in identified measurable goals that apply to the program elements

BUDGET AND COST CONSIDERATIONS

Significant among the requirements of the permit, is the requirement for the City of Nixa to demonstrate that it has sufficient staffing and funding resources to implement and maintain programs for compliance with terms of the general permit. During Year 1 of the permit we will document budgeted funds for existing activities as well as develop estimates for proposed activities which are not funded.

Table of Appendix

Appendix A:

Nutrient Management in Southwest Missouri
Septic Systems Records
James River Basin Partnership

Appendix B:

Sediment Erosion Control Plan
Stormwater Management Plan

Appendix C:

Street Sweeper Handout

Appendix D:

Land Development Code on cd
Technical Specifications on cd
Comprehensive Plan on cd
Flood Plain Management Ordinance

Appendix E:

Excerpts from Building Codes relating to Storm Water
Excerpts from City of Nixa Code of Ordinances relating to Illicit Discharge

Appendix F:

City of Nixa 2008 Budget

Appendix G:

DEWRI, Outlet Monitoring Agreement