

**City of Neosho**  
**Phase II**  
**Stormwater Management Program**  
**2013-2018 Permit**

This management plan contains the six measurable control measures. Each MCM will contain an introduction and break down of each BMP and target audience and pollutant sources. At the back of this SWMP will be a spreadsheet with each MCM and its measurable goals. Throughout the SWMP there is mentioned the "Storm Water Code" this can be found online at [neoshomo.org](http://neoshomo.org); The Stormwater code chapter is 430. This SWMP was primarily created by City Storm Water Coordinator with a thirty day public review in which the document was published on the [neoshomo.org](http://neoshomo.org) website. After review by both the public and City Staff the document was finalized. Our overall plan to evaluate the successes of each these control measures to review feedback from the public and to gage the participation levels.

## **MCM 1 – Public Outreach and Education**

### ***Introduction***

The City of Neosho's public education outreach program will cover four areas of education. The City of Neosho Stormwater management website (<http://neoshomo.org/index.aspx?nid=188>). Brochures and fact sheets, stormwater related articles and seminars and training. These programs will be implemented by the City of Neosho to the maximum extent practicable. This program should reach a wide range of our citizens including residential and commercial property owners, developers and local industries as well as local youth.

#### **1.1 Storm Water Management Webpage / Facebook**

##### **BMP Description**

The Storm Water Management Coordinator will maintain the current storm water webpage which is located on the City of Neosho website. The website will be a one stop shop for the entire City of Neosho Storm Water Program. The website will contain digital copies of all of the pamphlets and brochures links to local groups such as the local stream team and MAKO fly fishing group DNR and EPA stormwater websites. There will also be a link to report an illicit discharge or stormwater pollution (*report a concern button*) and also pictures and information as to what stormwater pollution and an illicit discharge looks like. It will also contain information for property owners and developers and will be the source for citizens to keep abreast to the changes and updates of happenings of the local stormwater program. The Stormwater Coordinator will also publish links, information and pictures along with activities happening with the Neosho Stormwater Program on Facebook using the City of Neosho Facebook Page.

### Target Audience and Pollutant Sources

The Storm Water Management website provides information for anyone with internet access/ Smartphone. Free access to the internet is available at the Newton County Library located just off the Neosho square and free wifi internet access is available throughout town provided for free by local businesses or can be viewed on a Smartphone which a majority of people now own. The target audience is residents, businesses and developers. With most people already using the City website and Facebook page to keep up to date on other City matters using the City website and Facebook Page is a great way to get information out about the City of Neosho Storm Water Management Program. All contractors and developers receive a packet of information which also directs them to watch the City of Neosho Storm Water Management website for changes to and up to date Storm Water information. Before the permit period citizens will be notified by mail on their water bill on how to report illicit discharges.

The targeted pollutants are residential, construction, municipal, industrial and commercial activities and waste.

### 1.2 Brochures and Fact Sheets

#### BMP Description

The City of Neosho is currently using multiple different brochures and fact sheets, which are available on the website and at the Neosho City Hall and Recycle Center. The City of Neosho will create new or revise existing brochures and tailor these to the citizens of Neosho and local stakeholders the information in them will be about stormwater pollution, illicit discharges, water quality and activities having to do with construction and development. This information will be made available at multiple locations including The Neosho Recycle Center, City Hall, Newton County Health Department and the Neosho Water Department.

### Target Audience and Pollutant Sources

The target audience is residents, businesses and developers. The targeted pollutants are residential, construction, municipal, industrial and commercial activities and waste.

### 1.3 Seminars and training

#### BMP Description

The Storm Water Coordinator in cooperation with the Development Services Director and the Public Works Director will biennially put on a training seminar for local citizens, contractors and

developers a training session about stormwater management and the its effects on the community. With this training we will also look to incorporate in Green Infrastructure, Storm Water BMP's and Erosion and Sediment Control Measures and things homeowners can do to help reduce runoff and improve the quality of runoff from their homes and farms.

#### Target Audience and Pollutant Sources

The target audience is residents, businesses municipal employees and developers. The targeted pollutants are residential, construction, municipal, industrial and commercial activities and waste.

## **MCM 2 – Public Involvement and Participation**

### ***Introduction***

The City of Neosho will work for a more increased awareness and involvement in the Storm Water Management Program. An involved public will be more apt to support a storm water program financially and with implementation. This minimum control measure will have four programs which include an annual Stormwater Management public meeting, concern tip line, Stream teams and an Environmental Task Force.

#### 2.1 Newton/Jasper County Environmental Task Force

##### BMP Description

By join the already existing Newton/Jasper County Environmental Task Force and opening this group up to the residents of Neosho which currently is not engaged in this group we as a community can not only help with stormwater and water quality but also with other environmental concerns such as air and land management.

##### Target Audience and Pollutant Sources

The target audience is residents, businesses municipal employees and developers. The targeted pollutants are residential, construction, municipal, industrial and commercial activities and waste.

#### 2.2 Annual Storm Water Management Public Meeting

##### BMP Description

The Storm Water Coordinator with assistance from the Newton/Jasper County Environmental Task Force will hold an annual public meeting for the purpose of informing the public about the Neosho SWMP the progress being made with the SWMP and address any concerns from citizens.

#### Target Audience and Pollutant Sources

The target audience is residents, businesses municipal employees and developers. The targeted pollutants are residential, construction, municipal, industrial and commercial activities and waste.

#### 2.3 Concern Tip Line

##### BMP Description

The City of Neosho will advertise its tip line (417-451-8050) and illicit discharge e-form (on neoshomo.org website) for citizens to use to voice any concerns they may have regarding stormwater or illegal dumping.

#### Target Audience and Pollutant Sources

The targeted audience will be anyone who lives, works or just drives through Neosho.

#### 2.4 Neosho Stream Team

##### BMP Description

The City of Neosho currently has two stakeholders groups (MAKO Fly-Fishing Group & Neosho Stream Team) that have a stream cleaning program along the Hatchery & Big Spring Branches and along Hickory Creek. With cooperation between these two groups and the City of Neosho we will be holding an Bi-Annual Stream Cleaning day. This will consist of cleaning litter and debris from the streams and clearing of brush from around the edges of the creeks.

#### Target Audience and Pollutant Sources

The targeted audience will be groups or individuals who are interested in the water quality of our streams and creeks. The pollutant sources targeted during this will be trash, litter and debris.

## **MCM 3 – Illicit Discharge Detection and Elimination**

### ***Introduction***

The purpose of this minimum control measure is to find and eliminate any illicit discharges that may make its way into the storm sewer system. This program will consist of three programs which are Storm Water Mapping, Illicit Discharge Inspections and a Litter Cleanup program. The primary mechanism for the enforcement and elimination of illicit discharges is the City of Neosho Stormwater and Nuisance Codes. The storm system map will be periodically updated to reflect any changes to outfalls or construction of any new conveyances. The stormwater coordinator will review the inspection reports to lock in on areas where there is a higher amount of violations. Under 1.1 we will inform the public of the hazards of illegal dumping & illicit discharges.

### **3.1 Illicit Discharge Inspections**

#### **BMP Description**

The Stormwater Coordinator in conjunction with the Public Works Department will be annually inspecting all of the primary outfalls for illicit discharges. During these inspections after a rain event if an illicit discharge is detected then it will be turned over to the Code Enforcement Department for investigation, elimination and prosecution. During each year random spot checks will be done to inspect for illicit discharges throughout the stormwater system at a minimum of ten per year. This will also include dry weather inspections with field tests as necessary for indicators of discharge sources. Over the course of the permit this will be well over one hundred fifty minimum illicit discharge inspections. During the random inspections the City will inspect during wet and dry periods. The priority areas for our inspections will be the Hatchery, High School and Big Spring branches which are the City of Neosho's main conveyances for stormwater. Because most of our storm sewer system is in open ditches we will rely on the walk back method to trace the source of discharge. The main procedure for removing illicit discharges will be through an municipal court action which will not only result in a monetary fine but in elimination of the current and most likely future discharges.

#### **Target Audience and Pollutant Sources**

The target audience for this program will be the City of Neosho. The targeted pollutant sources will be any pollutant that is entering the stormwater system (non point source discharges).

### **3.2 Litter Clean Up Program**

#### **BMP Description**

This program will consist of two parts one of which is the stream team cleanup and a community service litter pickup. The stream team part of the program has been detailed in MCM 2. Section 2.4. The community service litter cleanup program will consist of local community service workers walking along the stormwater system and picking up litter and debris which is in or around the drains, ditches drain pipes ect. This will occur at a minimum of twice a year. With this program we will be cleaning the creeks (stream Teams) and the system and conveyances (community service).

#### Target Audience and Pollutant Sources

Stream Team and the Community Service Workers are the targeted audience for this program. The targeted pollutant sources will be any pollutant that is entering the stormwater system.

### 3.3 Storm Water Mapping

#### BMP Description

Stormwater mapping and integration into the GIS system for all of the primary outfalls has occurred during the last permit period. During this permit period we will be finishing and collecting all of the secondary outfalls and their conveyances. To help track illicit discharges it is helpful to know where the system travels back to in order to locate the source. The City of Neosho will separate the town into five separate districts and each year will complete a district, GPS the outfalls and mapping the lines of conveyances.

#### Target Audience and Pollutant Sources

The targeted audience for this project is the Storm Water Coordinator. The target pollutant sources will be any pollutant that is entering the stormwater system.

## **MCM 4 – Construction Site Runoff Control**

### ***Introduction***

The City of Neosho will implement and enforce this program to reduce pollutants in stormwater runoff from construction site activities. This program will have four sections which consist of Land Improvements & Construction, Inspector Training, Plan Review and Contractor/Developer

Training. . It will greatly decrease the construction site run off especially regarding proper erosion and sediment controls from the previous permit cycle.

#### 4.1 Land Improvements & Construction

##### BMP Description

The City of Neosho will require any one of doing land improvements of an acre or more to have a land disturbance permit through the City. They will be required to have a SWPPP designed by an engineer and inspections by the Stormwater Coordinator will be done to verify compliance of the SWPPP and BMP's. There will also be permits and SWPPP required for grading or sinkholes. The SWPPP created will be used to implement erosion and sediment control BMP's at construction sites. Compliance will be enforced thru verbal or written warnings continual violations will result in municipal citations and stop work orders. The SWPPP with contain information as to how the project plans to deal with wash out, waste and building debris.

##### Target Audience and Pollutant Sources

The target audience for this control measure is contractors and developers with the targeted pollutants being construction site runoff.

#### 4.2 Inspector Training

##### BMP Description

The City of Neosho Building Inspector will receive training for proper site and BMP inspections. Before the start of the permit period the Building Inspector will receive training in proper inspection techniques and to know what to look for while inspecting jobsites.

##### Target Audience and Pollutant Sources

The target audience for this control measure is the Building Inspector with the targeted pollutants being construction site runoff

#### 4.3 Plan Review

##### BMP Description

The planning and Inspections department will create and publish a checklist for reviewing site plans and stormwater pollution. This checklist will help both the City staff and contractors to better understand what is required for compliance. This item will be completed within the first year of the permit cycle and reviewed each year for modification after receiving feedback from

both City Staff and developers. This plan review will be used to also look not only at water runoff but also water quality impacts.

#### Target Audience and Pollutant Sources

The target audience for this control measure is contractors and developers with the targeted pollutants being construction site runoff.

#### 4.4 Contractor and Developer Training

##### BMP Description

Within the first year of the permit cycle the Stormwater Coordinator will host a contractor and Developer training session to help them understand the different BMP's how they are used proper maintenance and what the Building Inspector will be looking for during his inspections of the site. Although this will be required to be done once during the permit cycle at any point in the permit cycle if there is interest or a request for training as soon as practical a training session will be scheduled.

#### Target Audience and Pollutant Sources

The target audience for this control measure is contractors and developers with the targeted pollutants being construction site runoff.

## **MCM 5 – Post Construction Runoff Control**

### ***Introduction***

The City of Neosho has implemented guidelines for best management practices to address the stormwater runoff from new or redevelopment on projects that disturb greater than or equal to an acre or if less than one acre but are part of a greater common plan. The City of Neosho also requires any project 10,000 square feet or greater of impervious surface to have an engineered stormwater plan to address any stormwater runoff. Our goal is for the project that has been built to create less runoff than before said site was developed to help reduce the stress on the existing stormwater system through various ways including green infrastructure. Training for contractors and developers will be provided for as mentioned in 4.4 in this SWMP

#### 5.1 Ordinance

##### BMP Description

Using our stormwater ordinance, this code addresses implementation of post construction runoff and adequate long term operation and maintenance of the sites BMP. Each Year in the permit cycle the Stormwater Coordinator will go out into the field and spot check eight post construction sites to verify that the control measures are in place, functioning properly and being maintained.

#### Target Audience and Pollutant Sources

The targeted audience is developed properties that contain post construction runoff controls. The targeted pollutants are anything that could run off the site and enter into the storm sewer system.

#### 5.2 Training

##### BMP Description

Training was covered in 1.3 & 4.4 this training will also touch on Green infrastructure advantages to help infiltration of runoff using things like permeable paving, green roofs and cisterns to show how G.I not only helps the environment but in the long run can save them money.

#### Target Audience and Pollutant Sources

The target audience for this control measure is contractors, developers and general public with the targeted pollutants being construction site runoff.

## **MCM 6 – Pollution Prevention/Good Housekeeping For Municipal Operations**

### ***Introduction***

The City of Neosho will create and implement a pollution prevention and good housekeeping program. This program will cover three areas Municipal Operations, Municipal Facilities and Municipal Streets. We will also evaluate future projects for water quality ways to incorporate Green Infrastructure and look back on completed projects from the past and see how we could incorporate ways to reduce runoff and improve the quality of the water that comes off these projects.

## 6.1 Municipal Facilities

### BMP Description

The City of Neosho has five main facilities that could cause water runoff pollution. The facilities are the Public Works Building, Neosho Recycle Center, Neosho Airport, Neosho Parks Building and the Neosho Pool. The Storm Water Coordinator with the assistance of the Director of each of the facilities mentioned above will create a facility pollution plan and train the Staff of those facilities on those plans. With five facilities the Stormwater Coordinator will each year of the permit create and train for one facility.

### Target Audience and Pollutant Sources

The targeted audience is municipal employees and the target pollutant sources are any pollutants which are found at those facilities and preventing them from entering the stormwater system.

## 6.2 Municipal Operations

### BMP Description

Within the first year of the permit period all non-clerical employees will be trained on stormwater municipal operation pollution prevention. This program will include on-site and classroom training instructional videos and other learning tools. After the initial training every other year afterwards employees will be re-trained. The program will cover:

Waste Disposal – Spill Prevention – On & Off Road Vehicle Maintenance –Land Disturbance – Building Maintenance – Landscaping Operations – Park Open Space Maintenance.

### Target Audience and Pollutant Sources

The targeted audience is non-clerical municipal employees and the target pollutant sources are any pollutants which are found at municipal facilities & jobsites and preventing them from entering the stormwater system.

## 6.3 Municipal Streets

### BMP Description

The streets within the City of Neosho are a large source of its non-point discharge. Therefore using our street sweeper to clean and remove these pollutants in conjunction with the stream teams and litter pickup will help to eliminate illicit discharges from entering the storm sewer system.

Target Audience and Pollutant Sources

The target audience for this program is the Public Works Department and the pollutant source being targeted is the debris found on or near the City Streets.