

Stormwater Management Plan



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Matt C. Allen
City Manager

Deborah Oyler
Mayor

This stormwater management plan (SMP) is developed to assist Garden City in protecting the water quality from potential negative impacts to surface water quality caused by stormwater discharges and to satisfy the appropriate water quality requirements of the Clean Water Act. The plan covers the six minimum stormwater control measures to be implemented by the City including Best Management Practices (BMP) for discharges of stormwater.

The City continues to implement and refine the Best Management Practices (BMP) related to our Total Maximum Daily Loads (TDML). Doggie stations with proper signage are being maintained along the walking paths and parks throughout the community. The current quantity of stations appears to adequately handle pet owners' needs, as demonstrated by the lack of citizen complaints and visible absence of fecal matter. Additional stations will be added as needed.

The City has also identified the cattle feed yards (CAFO) located just outside city limits as a possible pollution source related to our TDML requirements. The City continues to monitor this site closely.

By ordinance when a septic system fails on a property within 400 feet of a sanitary sewer, the property owner is obligated to connect to a public sewer line. This policy has helped reduce the risk of pollution from septic systems inside the City Limits; to the best of the City and the Local Environment Planning Group's knowledge, the number of on-site systems is very low. The City will continue to monitor and enforce on-site systems accordingly.

Public education and outreach remain a key component for the Stormwater program. The City will continue to work with the residents who donate many hours to complete community improvement projects collecting trash and painting over graffiti. These volunteers have had a tremendous effect in removing truckloads of material from city systems. The City will continue to cultivate community partnerships with businesses and other stakeholder organizations to accomplish stormwater management goals.

Garden City residents and businesses continue to be compliant with the stormwater plan and regulations. With access to many media outlets with stormwater pollution prevention information the community has become more conscious of water quality and the importance of stormwater pollution prevention. City staff is constantly reviewing educational materials, as well as web content, design, and will update published information as appropriate.

City Staff continues to evaluate the stormwater BMPs to ensure they remain effective and appropriate. Any changes to the stormwater BMPs will be submitted with an amended plan for KDHE review and approval in the future. Contractors, public officials, and stakeholders will be kept informed of new standards for stormwater management.

The City will continue to conduct demonstrations at major events for local youth to educate people about the stormwater system. Some of the topics that are discussed at such events are the hazards posed by untreated stormwater run-off entering the waterways and the impact stormwater has on the environment. These events are presented to the students of public and private schools in Garden City and surrounding communities. Students are seeking out staff at local events anxious to see the Enviroscape, which a stormwater model that is displayed at the time of the presentation. Religious organizations are also staying involved in keeping the community clean by getting their youth groups out to clean the drainage ways. The City will continue to work with the community.

The City of Garden City will continue to work with members of the “Clean 21”. The Clean 21 grew out of the original “Clean 12” – consortium of Phase II cities in the State of Kansas. This group is committed to sharing knowledge and working collectively towards improving the condition of waterways throughout Kansas.

The City has ordinances for illicit discharge connections in place, which meet current requirements. They were amended and adopted in 2006, and Staff will continue to enforce them.

The City Fire Department has the responsibility to contain and clean hazardous spills. City Staff coordinates with the Fire Department to document and report any such instances. The City will continue monitoring recovery efforts as necessary.

Outfall inspections are traditionally performed every six months, but certain outfalls are inspected more frequently subject to location and the amount of moisture the community receives. Inlets are scheduled for biannual inspections, but are looked at individually due to rain, snow, and the measures taken for cleaning the stormwater system. The City will continue to inspect and record the data on a spreadsheet and keep it on file as required.

Unmarked manhole covers are being replaced during street reconstruction projects or as time and workforce allow, with the covers reading: “STORMWATER GOES TO THE RIVER”. All new inlets with these new covers are being installed as resources become available. The City will continue to move forward with the manhole cover

replacement program. The City started to install “NO DUMPING DRAINS TO RIVER” markers on storm water inlets covers or concrete.

GIS stormwater data is updated when a new addition to the stormwater system has been completed. Updates are also made available when an unknown part of the stormwater system is found, usually in the older sections of town. The City will continue to update its GIS stormwater resources accordingly.

The Erosion and Sediment Control Manual and Ordinance have been successfully implemented since 2008. Each site is inspected every month or after a significant rain event to verify that BMPs are maintained to the standards stated in the manual. The Stormwater Coordinator conducts additional site visits to adjust or provide clarification to contractors as needed when a question arises on a project. The Inspection Department and the Stormwater Coordinator will continue to work together to ensure that new construction sites are aware of City and State requirements. City staff will be available for contractors to ask questions and seek guidance.

The City a regional retention area has been built on the East side of town to mediate flooding concerns in that particular area. This retention area will also assist with future projects since most of our new subdivisions are being built on the East side of town.

The City’s Stormwater Management Plan coordinates with construction site observation in adjacent unincorporated areas that affects the City’s stormwater system. All contractors performing work involving the disturbance of land are required to implement the proper erosion and sediment control (ESC) standards. The City will continue to monitor the projects that have a potential in discharging or utilizing the City’s stormwater system.