

*Kearney
Nebraska*



Phase II MS4 Annual Report for Permit Year Eleven

**Nebraska Department of Environmental Quality
Authorization to Discharge Stormwater.
Under the NPDES Stormwater Phase II Municipal Separate
Storm Sewer System (MS4) General Permit**

-
Authorization No. NE 300008

-
For Reporting Period: 01/01/16 through 12/31/16



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Executive Summary

In August 2005, Kearney submitted the Notice of Intent for coverage under the NDEQ General Permit for Phase II Municipal Separate Storm Sewer Systems (MS4) Discharges for Small Cities within the State of Nebraska. Kearney also submitted portions of the Stormwater Management Program (SWMP) as required by the permit. The SWMP identifies the Minimum Control Measure (MCMs) and the Best Management Practices (BMPs), measurable goals, and implementation schedules for the MCMs. The permit requires the submission of an Annual Report to the NDEQ for each permit year within sixty (60) days after the anniversary date of the permit coverage which commenced on January 1, 2006 for Kearney. As required by the permit, Kearney evaluated the implementation of the BMPs for each MCM and assessed the overall compliance with the MCMs.

This annual compliance evaluation report fulfills the MS4 permit requirement to assess compliance with permit conditions, appropriateness of BMPs, and progress towards statutory goals of the permit and Measurable Goals established for each MCM. The attached report presents the results of this assessment and brief summaries representing implemented activities as required by the Nebraska Department of Environmental Quality (NDEQ) Permit NER300000.

Since the phase II programs are currently operating under an administrative extension on the current permit, the City of Kearney has continued the focus of our original SWMP. We have done our best to complete all of the original BMP tasks involved with the first permit. We feel that we have addressed each BMP in a sufficient manner. Even though more focus was directed to certain areas of our program it was our goal to continue to lay the foundation for all program elements as to continue their development if needed into the next permitting cycle. Education and outreach was the main focus of the first term SWMP and this has continued throughout this last year. Additional focus has been towards building new program requirements for construction, post-construction, and pollution prevention good housekeeping. We anticipate these previously mentioned areas to be continuously changing in the future due to new technologies and program requirements. Due to this, our goal for these areas was to establish a good program foundation for each MCM and continue its development as needed into the future of our program. This evaluation indicates that the City of Kearney has focused towards program compliance under each original BMP section.

At the time of this report the City of Kearney is not aware of the specific timeline for permit renewal the NDEQ has set. Our organization is under the impression that we remain on administrative extension under our current permit. It is our intent to operate under our current permit and established plan BMPs. In August of 2011 the City of Kearney submitted a new SWMP to meet the requirements of the anticipated upcoming permit.

It was also requested that this plan be effective January 1, 2012. At this point we have not received final word on the new NPDES Permit. We will continue to implement and operate previously established programs while on this extension and until the next permit is initiated. The City of Kearney still seeks approval of the new SWMP and implementation date.

Certification

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, this document 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.

Michael Morgan, City Manager

Date

Permittee Information:

Permittee: City of Kearney

Program Administrator: Andrew Harter, Assistant Public Works Director

Contact Person: Daniel Lillis, Stormwater Program Manager

Mailing Address: City of Kearney, 1919 15th Ave, Kearney, NE, 68845

Contact Phone Number: (308) 233-3273

Authorization Number: NER 300008

Authorization Date: January 1, 2006

Annual Report Due Date: April 1, 2017

Reporting Period: 1/1/16-12/31/16

Have any areas been added to the MS4 due to annexation or other legal means? **Yes**

Annexed Properties:

Commercial 7.097 Acres

Residential 0

Total for 2016 7.097 Acres

Status of Compliance with Permit Conditions:

The City of Kearney feels the program is within an acceptable measure of compliance with the Phase II MS4 General Permit conditions. The City of Kearney has developed a comprehensive SWMP according to the requirements of the permit including BMPs, Measurable Goals, and implementation schedules for each of the seven MCMs. For this Annual Report, the Permittee has evaluated compliance in regards to the SWMP implementation schedule and the Measurable Goals. To the best knowledge of the Permittee, all required documentation and records are currently accounted for and stored in a centralized records database and/or filing system.

Progress Towards Achieving the Statutory Goal of Reducing the Discharge of Pollutants to the waters of the State and overall the waters of the US.

Implementation of BMPs consistent with the provisions of the SWMP required pursuant to 40 Code of Federal Regulations (CFR) 122.33 and 122.34 constitutes compliance with the standard of reducing pollutants to the Maximum Extents Practical.

The Permittee has developed a comprehensive SWMP according to the requirements of the permit including BMPs, Measurable Goals, and implementation schedules for each of the six MCMs. The City of Kearney continues to work towards the overall goal of reducing discharge of pollutants to waters of the US. By following our approved SWMP and achieving the implementation of the BMPs outlined in the SWMP we feel that our efforts towards this are being accomplished. It is our observation that the mindset of multiple stake holders has been shifting over the past few years to a more protection way of thinking. We feel this is a direct result of the implementation of our programs. Individuals are much more aware of their responsibility of protecting our local environment and doing what is necessary to accomplish this.

Description and Schedule for Implementation of any Additional BMPs or Monitoring that may be Necessary to Ensure Compliance with any Applicable Total Maximum Daily Load (TMDL)

The City of Kearney does not currently discharge to any stream segments that have approved TMDLs during this reporting period.

Notice of Reliance on another Government Entity to Satisfy some of the Permit Obligations (if Applicable) and a Copy of the Written Agreement with that Entity

The City of Kearney does not rely on another government entity for compliance with any part of this permit. The City of Kearney is actively involved in the Nebraska Stormwater Cooperative (NSWC) and many public education items are based off of the Nebraska H2O public education program. The City of Kearney also participates with many other state, university and local agencies when possible for the development and implementation of programs.

This report covers activities which occurred between the following dates: 1/1/2015 to 12/31/2015

Permitting Authority: Nebraska Department of Environmental Quality
Permit Number: NER: 300008
Permit Type: SMS4 General Permit
Permit Name: City of Kearney SWMP
Date Issue: 1/1/2006 **Date Expire:** 12/31/2010 Currently under administrative extension, per NDEQ.

General Information for MS4 Operator

Operator Name: Mike Morgan
Operator Title: City Manager
Represented Entity: City of Kearney
Mailing Address: 18 East 22nd Street, P.O.BOX 1180
Mail City, State, Zip: Kearney, NE 68848-1180
Phone Number: (308) 233-3214
E-Mail Address: mmorgan@kearneygov.org

Co-Permitting With: N/A

Population: 33,021 **Households:** 12,434 **Area (sq mi):** 14.28

Official Website: www.cityofkearney.org and www.Nebraska20.org

General Information for Primary Contact Person

Name: Andrew Harter
Title: Assistant Public Works Director
Phone Number: (308) 233-3246
E-Mail Address: aharter@kearneygov.org

Name: Daniel Lillis
Title: Stormwater Program Manager
Phone Number: (308) 233-3273
E-Mail Address: dlillis@kearneygov.org

Receiving Water Lists:

Listed below are all the identified receiving water bodies to which areas of the City of Kearney outfalls discharge.

Receiving Streams (creek, stream, river, etc.)

North Channel of Platte River
Wood River
NPPD Canal

Receiving Water bodies (lake, wetland, ocean, etc.)

Kearney Lake
Lost Lake
Lighthouse Point Lake
Stoneridge Lake

Receiving Watersheds

Middle Platte

MCM 1: Public Education and Outreach

BMP 1: Develop and Distribute Educational Material in Member Communities.

Start Date: 1/1/2016

End Date: 12/31/2016

BMP Description:

The City of Kearney as a part of its Public Outreach Program will develop Stormwater related educational materials and media campaigns in various media forms. These materials are to be distributed by member communities to the public. Materials will provide education on stormwater related concerns.

Work performed for the BMP listed above

Date of activity: Yearly Campaign

Description: KOLN/KGIN TV Education Campaign

Title: Kearney Stormwater Pollution Prevention and NE H2O "Don't Pollute Commercials"

Cost: \$4735

Delivered To: All General Population

Distribution: With a population base of over 500,000 in the viewing area and around 100 commercials aired it is extremely hard to put a number to this. However, this type of educational approach has proven effective in the past.

Summary: This television campaign has been continued for the past 7 years. We have received good feedback from this type of public education. With such a wide distribution area we feel that it reaches many citizens with our message. During this campaign we have around 134 spots aired at high viewing times and on the mostly viewed channels in the state "FOX". City of Kearney combined efforts of this campaign with two other cities (Grand Island, Hastings) in total we ran approximately 134 TV commercials distributing our messages.

Date of activity: Continually

Description: Stormwater information video filmed for Channel 6 and City website

Title: City of Kearney Stormwater Programs Information Break

Cost: \$0

Delivered To: All General Population

Distribution: Runs periodically on Channel 6 and is included on the city web site

Summary: This is a 5 minute information interview with the Stormwater Program Manager. This interview highlighted some of the most common elements of the City of Kearney Stormwater Management Plan programs. It has been run on a rotation basis on the Cities channel 6 station and is continually available on the City of Kearney web page.

Date of activity: 4/18/2016

Description: Kearney Hub, Environmentally Friendly Advertisement

Title: Earth Friendly Landscaping

Cost: \$335.00

Delivered To: All General Population

Distribution: Kearney Hub Distribution Averages 11,000

Summary: A 4" column by 5" educational add was placed in the Kearney Hub that provided readers with general education on protecting water resources, reducing unnecessary runoff and pollution prevention. The focus of this ad was water when and where needed, reducing chemical mitigation from landscape irrigation and proper lawn maintenance practices.

Date of activity: Continually

Description: Rain garden site and display

Title: Kearney Rain Garden

Cost: nothing additional

Delivered To: Site available to general population and promoted on City web page

Distribution: The City of Kearney, UNL - Stormwater Management Team with sponsorship from The National Institute of Food and Agriculture and The U.S. Department of Agriculture sponsored a free – of – charge workshop to anyone interested on September 15th, 2011. The system has performed very well since its updates in 2011. We are confident that changing some of the original design and materials has not only improved the aesthetical appeal but also maintained the treatment capabilities of the system. We are hopeful that this will stem creative landscape ideas from our local residents. Plans for the garden are to add informational signage that explains plant selection and how this particular garden was designed and operates. The area is continually promoted on the city and Nebraska H2O websites.

Date of activity: Continually

Description: Nebraska H2O Promotional Education items and Educational Fliers

Title: Public Education Materials

Cost: Carry over products from last year

Delivered To: All General Population

Distribution: 1000 items promoting the Nebraska H2O education program were distributed throughout this year. These items were distributed at the Ft. Kearny Outdoor Expo, School Education Events and Inlet Marking events.

Approximately 200 backpacks with Water bottles, wrist bands, cups and Frisbees were distributed this year at the Ft. Kearny Outdoors Expo. The following fliers were distributed. (NE H2O program, Build Your Own Rain Barrel, Benefits to Rain Barrels,

Summary: All of our public education items and information advertise the NebraskaH2O.org website. In addition we distribute educational materials at City Hall and the Utility Department.

Date of activity: 5/10/2016

Description: Nebraska Groundwater Children's Festival

Title: Public Education Materials

Cost: 0

Delivered To: 130 Elementary students/teachers

Distribution: Students/teachers from Wasmer Elementary (Grand Island) to McDaid Elementary (North of North Platte)

Summary: The Stormwater Managers from Grand Island and Kearney collaborated to present two 'EnviroScapes' to the children. One 'EnviroScape' had a landscape without Best Management Practices and the other 'EnviroScape' had a variety of Best Management Practices. The difference was evident to the children which landscape produced cleaner runoff to lakes/rivers. The main point of this presentation was to display the connection between stormwater pollution and groundwater.

Date of activity: 5/5/2016-5/6/2016

Description: Ft. Kearny Outdoor Expo

Title: Public Education Materials

Cost: \$1000 for sponsorship

Delivered To: 630 students/teachers

Distribution: Students from McCook to Ord were present at the Expo. NebraskaH2O propaganda were handed out...Frisbees, backpacks, bracelets, water bottles, cups, grippers, and hand sanitizers.

Summary: All of our public education items and information advertise the NebraskaH2O.org website. In addition we presented the EnviroScape and the effects of using Best Management Practices in different aspects of everyday activities.

BMP 2: Develop Public Service Announcements

Start Date: 1/1/2016

End Date: 12/31/2016

BMP Description:

The City of Kearney as part of its Public Education and Outreach Program will develop Public Service Announcements to provide educational information to the public related to stormwater in various media forms.

Work performed for the BMP listed above

Date of activity: 4/1/2016

Description: City of Kearney Newsletter

Title: Earth Day announcement.

Cost: \$0

Delivered To: All General Population

Distribution: To city council, all departments and anyone employed with the city

Summary: An article was placed in the City of Kearney Newsletter for the month of April, identifying the time it takes to decompose plastics/aluminums/organic materials, as well as telling how much water is used for things such as flushing a toilet, taking a bath, washing dishes.

Date of activity: 4/15/2016

Description: City of Kearney Press Release

Title: Storm Drains Are For Rain Water Only

Cost: \$0

Delivered To: All General Population

Distribution: To city council, Kearney Hub, KGFW, KRNY, KKPR, KHAS, KHGI TV, KOLN/KGIN/ Buffalo County Sheriff, Communications Center, Good Samaritan EMS, Kearney Public Schools, Buffalo County Highway Dept.

Summary: A press release discussing the use of storm drains and options for disposal of Grass Clippings and Leaves besides being placed in gutter. A complaint hotline- and website were provided to accommodate public concerns/questions.

Date of activity: September 2016

Description: City of Kearney Utility Billing Stormwater Brochure

Title: Stormwater Pollution Prevention

Cost: \$751.75

Delivered To: All Residential Utility Customers

Distribution: All City of Kearney residential Utility Customers- roughly 8,500 customers

Summary: This stormwater brochure can be found as [Appendix C](#) A pamphlet describing stormwater pollution, the effects it has on people, how citizens contribute to stormwater pollution, and what the City of Kearney is doing about stormwater pollution.

BMP 3: Develop Educational Information for inclusion in a Website

BMP Description:

The City of Kearney as part of its Education and Outreach Program will develop a Website to provide member Communities and the public access to stormwater related information. The Website will include links to member community's stormwater information and information on community programs and activities related to stormwater.

Date of activity: 1/1/16-12/31/16

Description: City of Kearney Stormwater Pages and Nebraska H2O Education Pages

Title: Continued updates

Cost: \$0 – No direct cost for the web pages.

Delivered To: All General Population
Distribution: See [Appendix A](#) for yearly website activity summary
Summary: These web pages are updated throughout the year with timely and program related materials. The site will continue to serve as a place where individuals can find information regarding the participation cities stormwater programs.

Date of activity: Began 5/5/2016

Description: City of Kearney Stormwater Management Twitter Feed
Title: Continued updates
Cost: \$0 – No direct cost for the tweets
Delivered To: All 673 City of Kearney followers; 968 followers of KGFW; 104 followers of Kearney Whitewater Association
Distribution: See [Appendix B](#) for yearly website activity summary
Summary: This will be updated monthly with Stormwater related material

Date of activity: Began 5/11/2016

Description: City of Kearney Facebook Page
Title: Continued updates
Cost: \$0 – No direct cost for the web pages.
Delivered To: All friends/followers of City of Kearney Nebraska Government via Facebook
Distribution: These 6 videos were clicked on a total of 5,297 times
Summary: Videos describing: the various aspects of 'Building A Street in Kearney, NE' Stormwater is a major aspect of street building; How to build a retaining wall and minimize erosion; Quick ways to create compost; Stormwater becoming a priority in Kearney, NE; Proper lawn care- only water goes in the storm drain; What are Permeable Pavers?; Erosion Control and Silt Fence installation.

Date of activity: Began 9/27/2016

Description: City Council Meeting
Title: EPA Administrative Order For Stormwater System Management
Cost: \$0
Delivered To: Anyone with a TV within the Kearney Viewing Area
Distribution: The City Council Meeting was streamed live and viewed by 4 people; then viewed as a recorded format by another 16 people over the next week.
Summary: Council Meeting Description: The EPA Audit that has been the focus of the City for the last 6 months was acknowledged by the City Council. The Mayor was authorized by the Council to enter into the Administrative Order for Compliance on Consent with the EPA regarding the City of Kearney stormwater management.

BMP 4: Develop a Household Awareness Survey

BMP Description:

The City of Kearney has developed as part of its Public Education and Outreach Program a Household Awareness Survey to measure the effectiveness of the Public Education and Outreach Program in educating the public about stormwater related concerns.

Title: Household Awareness Survey

Cost: \$461

Delivered to: 1500 Kearney Residents

Distribution:

Summary: In June 2016 a Household Awareness Survey was sent out to 1500 Kearney residents. This survey consists of questions addressing General Opinion, Vehicle Owners, Pet Owners, and Lawn and Garden Green Thumbs. The results will be tabulated to see percentages regarding each question in the survey.

BMP 5: Develop a call in system for Educational Information related to Stormwater

BMP Description:

The City of Kearney as part of its Public Outreach Program will develop a call in system for the public to access educational information related to stormwater.

No additional activities were scheduled for the BMP listed above during this reporting period.

Date of activity: Continually

Description: Kearney Access Citizen Complaint/Request Reporting System

Title: Access Kearney

Cost: N/A

Delivered To: Available to general public

Distribution: Access Kearney is available to all area residents.

Description: The call in system has been established for the complete permit term. All materials are published with the call in number and it is available on the websites. In addition, the City of Kearney operates the Access Kearney reporting system. On this system stormwater issues are listed. Citizens can report illegal dumping or any other question or comment on this site. These are then directly forwarded to the Stormwater Program Manager to take the necessary actions. All calls from citizens are logged in this program as well to allow for continued tracking of the event.

A summary of all cases and a summary of the open case have been provided in Appendix B.

Most calls received are minor track out complaints and are addressed immediately by a site visit and a visit with the project owner. No call were received that would be a high risk discharge.

MCM 2: Public Involvement/Participation

BMP 1: Organize Public Meetings to educate the public on Stormwater related concerns

Start Date: 1/1/2016

End Date: 12/31/2016

BMP Description:

The City of Kearney as part of its Public Education and Outreach Program will develop Public Meeting formats that may be used by member communities to organize and hold public meetings related to stormwater issues and concerns.

Work performed for the BMP listed above

Date of activity: 2/11/2016

Description: Nebraska Stormwater Cooperative (NSWC) Meeting Post Construction Stormwater Management/NPDES permit

Cost: \$0 – No direct cost

Delivered To: The NSWC consists of 11 phase II communities in Nebraska (Kearney, Grand Island, Lexington, Hastings, North Platte, Scottsbluff, Columbus, Fremont, Beatrice, South Sioux City and Norfolk).

Summary: This meeting was located at the State Fairgrounds in Grand Island. The topics of discussion were the new NPDES Permit for MS4 Communities, E-NOI's, and Post Construction Stormwater Management.

Date of activity: 4/6/2016

Description: Nebraska Stormwater Cooperative (NSWC) Meeting-NDOR Reporting on their EPA Audit

Cost: \$0- No direct cost

Delivered to: The NSWC community members of Kearney, Grand Island, Lexington, Hastings, North Platte, Scottsbluff, Columbus, Fremont, Beatrice, South Sioux City and Norfolk. The NDOR was present at this meeting as well.

Summary: This group convened in Hastings to discuss the current audit the EPA is performing on the NDOR and the findings of the audit on the City of Kearney by the EPA. Also discussed were MS4 Permit updates from Jesse Poore of FHU.

Date of Activity: 5/13/2016

Description: KearneyH2O Inaugural Meeting

Cost: \$0- No direct cost

Delivered to: A 3 member committee consisting of a Kearney City Council member, Central Platte NRD member, and a member of the KHS Faculty

Summary: This was the first meeting of a committee that was brought together to discuss ideas concerning the City of Kearney's Stormwater Management Plan and its implementation in the community. The topic of this meeting was 'Introducing the SWMP' to the committee.

Date of Activity: 5/23/2016

Description: Nebraska Stormwater Cooperative (NSWC) Meeting- Revising the Illicit Discharge Detection and Elimination teleconference

Cost: \$0- No direct cost

Delivered to: Members of the NSWC from Kearney, Grand Island, Lexington, Hastings, North Platte, Scottsbluff, Columbus, Fremont, Beatrice, South Sioux City and Norfolk

Summary: A stormwater program revisal was presented by Jesse Poore of FHU; a vote on whether or not to fund a new mascot for the Cooperative was discussed' a vote on a 'state wide public service announcement campaign' was discussed.

Date of Activity: 7/13/2016

Description: KearneyH2O Meeting

Cost: \$0- No direct cost

Delivered to: A 3 member committee consisting of a Kearney City Council member, Central Platte NRD member, and a member of the KHS Faculty

Summary: This was the second meeting of a committee that was brought together to discuss ideas concerning the City of Kearney's Stormwater Management Plan and its implementation in the community. The topic of this meeting was a detailed description of the developing Post-Construction Stormwater Management Program.

Date of Activity: 9/14/2016

Description: KearneyH2O Meeting

Cost: \$0- No direct cost

Delivered to: A 3 member committee consisting of a Kearney City Council member, Central Platte NRD member, and a member of the KHS Faculty

Summary: This was the third meeting of a committee that was brought together to discuss ideas concerning the City of Kearney's Stormwater Management Plan and its implementation in the community. The topics of this meeting were 'Illicit Discharge Detection and Elimination; and Construction Stormwater Management.

Date of activity: Began 9/27/2016

Description: City Council Meeting

Title: EPA Administrative Order for Stormwater System Management

Cost: \$0

Delivered To: Anyone with a TV within the Kearney Viewing Area

Distribution: The City Council Meeting was streamed live and viewed by 4 people; then viewed as a recorded format by another 16 people over the next week.

Summary: Council Meeting Description: The EPA Audit that has been the focus of the City for the last 6 months was acknowledged by the City Council. The Mayor was authorized by the Council to enter into the Administrative Order for Compliance on Consent with the EPA regarding the City of Kearney stormwater management.

Date of Activity: 9/29/2016

Description: Nebraska Stormwater Cooperative (NSWC) Meeting- Revising the Illicit Discharge Detection and Elimination teleconference

Cost: \$0- No direct cost

Delivered to: Members of the NSWC from Beatrice, Columbus, Grand Island, Hastings, Kearney, Lexington, Norfolk, Scottsbluff and South Sioux City joined for a conference call.

Summary: Members of this conference call discussed proposed MS4 Phase 2 Permit updates; Construction Stormwater Permit NER 160000 status update; Revising the Stormwater Management Plan for the City of Kearney's compliance efforts with its EPA Audit; Whether or not the Stormwater Cooperative would like to collectively push for a stormwater utility.

Date of Activity: 11/16/2016

Description: Nebraska Stormwater Cooperative (NSWC) Meeting- Revising the Illicit Discharge Detection and Elimination teleconference

Cost: \$0- No direct cost

Delivered to: Members of the NSWC from Kearney, Grand Island, Lexington, Hastings, North Platte, Scottsbluff, Columbus, Fremont, Beatrice, South Sioux City and Norfolk

Summary: A stormwater program revisal was presented by Jesse Poore of FHU and Dan Lillis of the City of Kearney. Committees regarding different MCM's of the MS4 Permit were determined to address common issues and fixes.

Date of Activity: 11/29/2016

Description: KearneyH2O Meeting

Cost: \$0- No direct cost

Delivered to: A committee consisting of a Kearney City Council member, Central Platte NRD

member, and a member of the KHS Faculty

Summary: This was the fourth meeting of a committee that was brought together to discuss ideas concerning the City of Kearney's Stormwater Management Plan and its implementation in the community. The topics of this meeting were Public Involvement and Participation; and Good Housekeeping/Pollution Prevention.

BMP 2: Participate/Sponsor Community Environmental Events

Start Date: 1/1/2016

End Date: 12/31/2016

Date of activity: 4/2/2016

Description: Kearney Whitewater Association (KWA) Canal Clean-up

Cost: \$0 – No direct cost

Delivered To: A number of 22 attendees were present at a KWA Canal Clean-up this spring.

Summary: This Canal Clean-up lasted from 9:30am to 12:30pm and covered the Kearney Canal/North Channel of the Platte River/NPPD Tailrace from 3rd Ave to Central Ave. The City of Kearney provided 2 small dump trucks which equaled 2800 lbs of trash removed from the stretch of water. Tires, steel pipe, rebar, and a bicycle were among the items removed.

Date of activity: 4/22/2016

Description: Kearney Whitewater Association (KWA) Canal Clean-up

Cost: \$0 – No direct cost

Delivered To: A number of 4 attendees were present at a KWA Canal Clean-up this spring.

Summary: This Canal Clean-up lasted from 6pm to 8:30pm and covered the Kearney Canal/North Channel of the Platte River/NPPD Tailrace from Central Ave to the west ¼ mile. 200 lbs of trash were removed from the stretch of water. General Litter were the main items.

Date of activity: 5/5/2016-5/6/2016

Description: Ft. Kearny Outdoor Expo

Title: Public Education Materials

Cost: \$1000 for sponsorship

Delivered To: 630 students/teachers

Distribution: Students from McCook to Ord were present at the Expo. NebraskaH2O propaganda were handed out...Frisbees, backpacks, bracelets, water bottles, cups, grippers, and hand sanitizers.

Summary: All of our public education items and information advertise the NebraskaH2O.org website. In addition we presented the EnviroScape and the effects of using Best Management Practices in different aspects of everyday activities.

Date of activity: Continually

Description: Summary of the sanitation division recycling programs

Cost: N/A

Delivered To: The program is available for weekly at home pick up, and five drop public locations.

Summary:

Sanitation Division collected and processed the following recyclables during permit term:

	Total 2015-2016	Monthly Average 2015-2016
Office Paper	34.5 Tons	2.9 Tons
Newspaper	1,107.8 Tons	91.9 Tons
Aluminum	19.8 Tons	1.6 Tons
Tin	62.6 Tons	5.2 Tons
Glass	188.6 Tons	15.7 Tons
Plastics	250.5 Tons	20.9 Tons

Cardboard	2389.4 Tons	199.1 Tons
Total tons of recycled	3,986.8	332.2
Total gallons of Motor Oil	10,569 Gallons	880.9 Gallons
Recycling revenue	\$199,244.32	\$16,603.69
Landfill avoidance savings	\$111,325.50	\$9,277.13
Total value of recyclables	\$310,569.80	\$25,880.82

We feel that the Kearney recycling programs provide a great reduction in the amount of possible pollutants that could potentially be dumped if an easy disposal resource is not provided. With over 10,000 gallons of oil alone being collected this year the success and value of this program is obvious.

BMP 3: Develop a Stormwater Inlet Stenciling Program

Start Date: 1/1/2015

End Date: 12/31/2015

BMP Description:

The City of Kearney has developed a Stormwater Inlet Stenciling Program.

Work performed for the BMP listed above

Date of activity: NONE

Description: Inlet Marking

Cost: N/A

Delivered To:

Distribution:

Summary: No inlet marking expeditions were organized this year. An evaluation of areas in need of marking was performed and new locations for expeditions were identified.

MCM 3: Illicit Discharge Detection and Elimination

BMP 1: Develop an Illicit Discharge Ordinance and Illicit Discharge Detection and Elimination Program

Start Date: 1/1/2016

End Date: 12/31/2016

BMP Description:

The City of Kearney has developed an Illicit Discharge Ordinance and Standard Operating Procedures for the Illicit Discharge Detection and Elimination Program. The Ordinance is the basis for the Illicit Discharge Detection and Elimination Program.

No activities were scheduled for the BMP listed above during this reporting period aside from continued enforcement of the ordinance.

Description: Illicit Discharge Hotline Calls

Cost: No direct cost besides wages

Summary: The following is a summary of the calls received during the 2016 permit term. To date all calls were addressed without need for enforcement measures.

Complaint ID #	Date	Received By	Location	Site Inspection	Resolved?
16-1D2	7/1/2016	Dan Lillis	521 W. 25 th St.	Yes	Yes
16-ID7	12/15/2016	Dan Lillis	Alley between RR St. and 21 st . St.	Yes	Yes

The year produced 2 reports of actual dumping. As mentioned under the call in system BMP above we did have 10 calls directed to stormwater. 8 of these cases were not considered illicit discharges, which is why they are not included here as well. In most situations and when timely informed, the city will deploy a sweeper to clean up most small cases like this.

BMP 2: Perform Dry weather Inspections of Stormwater Outfalls

Start Date: 1/1/2016

End Date: 12/31/2016

BMP Description:

The city will use Standard Operating Procedures and utilize a data base program for dry weather inspections of storm sewer outfalls.

Inspections will next be completed in March of 2017, following SOP of Inspection process on major outfalls.

Date of activity: 3/22/2016

Description: Dry Weather Outfall Reconnaissance

Cost: wages

Area: All of Kearney Area

Summary: All outfalls from the City of Kearney that are greater than 36" Diameter were observed, photographed and forms describing their status were completed. There were explainable flows in two of the 28 outfalls (leading to either the Wood River or the Platter River). A couple of the outfalls needed maintenance, as significant amounts of sediment had settled in them. These inspections should be done yearly.

BMP 3: Mapping of Storm Sewer System

Start Date: 1/1/2016

End Date: 12/31/2016

BMP Description:

The City of Kearney will research the current conditions and information available for the city storm sewer maps. A plan will be devised to complete the maps. Up to date maps will assist in the location and tracking of illicit discharges, source of pollutant and the areas that stormwater related complaints are coming from. The maps may be used in conjunction with the Illicit Discharge Detection and Elimination Program.

Date of activity: Continuous

Description: All new development projects are added to GIS mapping system.

Cost: wages

Area: All of Kearney Area

Summary: As development throughout the city is completed, development engineers are required to electronically submit as-built drawings of the development area infrastructure. This information is then added to the current GIS mapping, keeping the system up to date.

Date of activity: Continuous

Description: Dry weather outfall evaluations

Cost: No direct cost besides wages

Area: City wide

Summary: Dry weather outfall investigations were completed in 2016. It was the original goal to initially complete these investigations during the first permit term. Now that we have been on administrative extension for three years the timeline would suggest doing the investigations again. It is planned to complete a percentage of the dry weather outfall investigations again in 2017. No illicit discharges were reported or recorded at outfall location during system cleaning efforts this permit year. There is an 11"x17" map book of these outfalls updated by the GIS Department in December 2015.

MCM: 4 Construction Site Stormwater Runoff Control

BMP 1: Develop an Erosion and Sediment Control Ordinance

Start Date: 1/1/2016

End Date: 12/31/2016

BMP Description:

The City of Kearney will develop an Erosion and Sediment Control Ordinance. The ordinance will form the basis of a Construction Site Runoff Control Program put in place for reducing pollutants in Stormwater runoff from construction activities that result in land disturbance.

Work performed for the BMP listed above

No additional activities other than ordinance enforcement have been done under this section in the 2016 permit year.

BMP 2: Develop Site Inspection/Plan Review Program

Start Date: 1/1/2016

End Date: 12/31/2016

BMP Description:

The city, as part of its Erosion and Sediment Control Program, has developed a Site Inspection and Plan Review Program for Construction Site Stormwater Runoff Controls.

Description: Site Plan Review

Summary:

Private Development - Stormwater management plans are required for all construction projects on sites greater than 1 acre in size. These plans are reviewed through the City of Kearney plan review process and approved by the Kearney Public Works Division. Sites less than 1 acre are also required to incorporate stormwater BMPs in their design as a means of satisfying other city codes. This is reviewed when the small site applies for a building permit. During 2016, Kearney Public Works took part in the preliminary review of 20 site plans for projects exceeding one acre in size or of the commercial nature. Of those 20 sites, all site plans received final approval with 5 NPDES permits required. Continued attention to erosion control plan submittals along with increased awareness in the industry provided for better compliance during site inspections. Our Development Services department issued 136 building phase of development permits for small lot ESC requirements. In the end the City of Kearney helped 156 project developments including commercial, multifamily and single-family developments maintain NPDES requirements associated with federal, state and local regulation.

The private developments were evaluated prior to land disturbing activity but after the initial BMP controls were in place. We used this time not only for an inspection but also for an educational opportunity if needed prior to construction. Most all sites were evaluated on a continuous basis using a drive by and complaint driven evaluation process. Issues found during these evaluations were taken directly to the permit applicant for correction.

Small lot developments are required to employ Stormwater BMP controls on their site during earth disturbing activities. The project is then inspected anytime a building inspection is requested. Increased awareness of the ordinance, improving plan submittals and a continued compliance based inspection program resulted in a continued rise in compliance.

Public Development – Public infrastructure and development projects are handled in-house. Meaning permit application, SWPPP development, project management and site compliance inspections are done by the Public Works Department. This includes all district work but excludes infrastructure agreement projects built by the development owner.

A summary of the 2016 public infrastructure projects:
Projects: 9 active projects during 2016

Preconstruction Meetings Held: 3
Infrastructure SWPPP Inspections completed: 28 inspections were performed on city projects in 2016
Still Active Projects: 2
Closed Projects: 7

Date of activity: As needed or requested

Description: These are inspections requested by the developer, city inspection dept. or on an as needed basis determined by the Stormwater Program Manager.

Title: Individual site evaluation or inspection request

Cost: N/A

Delivered To: Construction Community

Distribution: N/A

Summary: Site drive-by reviews completed on the projects, contact made if needed.

BMP 3: Educate Contractors and the Development Community

BMP Description:

The City of Kearney will develop materials to educate contractors and members of the development community about the Stormwater Construction Site Runoff Control Program.

Work performed for the BMP listed above

Date of activity: Continually

Description: Make available program related materials and education on website

Title: City of Kearney stormwater website and Nebraska H2O website

Cost: N/A

Delivered To: Construction Community

Distribution: N/A

Summary: Any planned changes to the City of Kearney Stormwater permitting and regulations program. How the changes to the program will effect large and small site developments within the City of Kearney.

Date of activity: Throughout Construction Season

Description: NPDES and Construction Stormwater educational reminder (carpenter pencils)

Title: Educational Distribution

Delivered To: Construction Community

Distribution: 50

Summary: We are always looking for new ways to distribute quality educational materials to our local developers. We came up with the idea of printing "Sediment is a leading cause of water quality impairment. Check your BMP's" and then the website that can provide them more information on carpenter pencils. These pencils are distributed to local builders and trade contractors at construction sites. We hope they may get that statement etched in their minds as a constant reminder to take care of their site and simple things like checking BMPs can save them a lot of time and struggles.

Date of activity: August

Description: NPDES and Post-Construction Stormwater Update

Title: Educational Distribution

Delivered To: Builders, Sign Installers, Plumbers, Electricians, Specialty Contractors, and Engineering firms.

Distribution: 267

Summary: An introduction to the upcoming Post-Construction Stormwater Program and its requirements were acknowledged in this newsletter. The Stormwater Managers contact information was given for those with questions.

BMP 4: Develop Design Standards for Stormwater Runoff Control Measures

Start Date: 1/1/2016

End Date: 12/31/2016

BMP Description:

The City of Kearney has developed Design Standards for Stormwater Runoff Control Measures as part of the Construction Site Stormwater Runoff Controls Program.

No activities were scheduled for the BMP

As part of the October 2008 City of Kearney Standard Specifications for Municipal Construction Erosion and Sediment Control and Seeding/Sodding standards were developed. These were general specifications for projects and a starting point for the construction design standards. These continue to be the active specifications and are planned to be review under the next permit term.

MCM 5: Post-Construction Stormwater Management in New Development and Redevelopment

BMP 1: Develop a Post-Construction Ordinance

Start Date: 1/1/2016

End Date: 12/31/2016

BMP Description:

The City of Kearney will develop a Post-Construction Ordinance and Standard Operating Procedures for new development and redevelopment.

Work performed for the BMP listed above

Preparations for an amended Post-Construction Stormwater Management Ordinance were performed under this task in the 2016 year. More definitions, an implementation timeline, references to a Post-Construction Stormwater Program, and housekeeping are included in this amendment. The final amendment will be implemented prior to Sept. 1 2017.

BMP Note: This ordinance initially was written as a foundation to future Post-Construction program developments and goals.

BMP 2: Develop BMP Inspection and Plan Review Standard Operating Procedures

Start Date: 1/1/2016

End Date: 12/31/2016

BMP Description:

The City of Kearney has developed BMP Inspection and Plan Review Standard Operating Procedures as part of its Post-Construction Stormwater Management Program for new development and redevelopment.

Date of activity: Continually

Description: Subdivision language update for continued maintenance of detention structures

Summary: Language was updated to be included with all subdivision agreements that will obligate all owners of a drainage basin to maintain any detention structures that collect runoff for the area. This is required to be filed with the Register of Deeds office. It also allows the City of Kearney if needed to do maintenance to a structure and apply fees for this maintenance. A copy of this language can be found under [Appendix F](#)

Date of activity: Continually

Description: Plan review for Post-Construction Measures

Summary: All projects are reviewed by the City Engineer/Public Works Director for currently required Post-Construction measures. The measures currently include the requirement to detain the difference between the pre and post 10 year storm. During the 2016 permit term 20 developments were reviewed.

Date of activity: In progress

Description: Planning for future Post-Construction requirements

Summary: Continued progress towards future development of the Post-Construction program is detailed in the updated Kearney SWMP that is due to be put into effect upon confirmation of the EPA. We have contracted with a consultant with much experience in Post-Construction programs. We have been developing these base elements and await approval from the EPA prior to implantation.

Date of activity: In progress

Description: Documentation of the ‘Final Post-Construction Stormwater Program Design Standards and Procedures Memorandum”

Summary: This document discusses and describes the final draft of the process of how the City of Kearney will implement the required ‘Post-Construction Stormwater Program Design Standards.’ In this document is also the Implementation Schedule which outlines the timeline for the Post-Construction Stormwater Program. The timeline will be attached as **Appendix I** “Proposed Post-Construction Implementation Timeline.”

BMP 3: Develop Educational Materials for the Development Community

Start Date: 1/1/2016

End Date: 12/31/2016

BMP Description:

See MCM 4 BMP 3 for educational details. The construction and post-construction educational effort operate hand in hand. In most cases Post Construction information is presented at the same time.

MCM 6: Pollution Prevention/Good Housekeeping for Municipal Operations

BMP 1: Develop Training Materials for City Employees

Start Date: 1/1/2016

End Date: 12/31/2016

BMP Description:

The City of Kearney will develop training materials related to stormwater for City Employees.

Date of activity: Annually

Description: Stormwater Training Video

Title: Stormwater Pollution Prevention – Storm Check

Cost: \$0

Delivered To: Circulated to All Field Employees

Summary: Overview of Stormwater BMP as related to everyday work activities circulated to departments and requested that they show to all field employees.

BMP 2: Evaluate Street Cleaning

Start Date: 1/1/2016

End Date: 12/31/2016

BMP Description:

The City of Kearney will develop Standard Operating Procedures to be used as guidelines for the Street Cleaning Programs

Date of activity: Annually

Description: Track the amount of collected materials

Cost: \$19,086.80 equipment operation cost. No wage added to figure.

Summary of Street Sweeping Operations: (See [Appendix H](#) for detail report of operations)

Route Events Performed: 370 % of completed routes: 100

Estimated cu/yds of material collected 2016: 3752 cu/yds

Comparison of collected material since tracked: 2015 2923, 2014 29 2965: 2025 cu/yds. 2012= 2183 cu/yds. 2011 =1843 cu/yds. 2010 = 2137 cu/yds. 2009 = 3524 cu/yds. 2008 = 1217 cu/yds.

BMP Notes: The City of Kearney operates two sweepers continuously with weather permitting. During early spring and leaf off conditions three sweepers are operated. We are currently working to reestablish the GPS tracking software to assist with coverage awareness. Software issues have slowed this continuous tracking program. Combined, the three street sweepers operated 1382 hours throughout the year. We hope this is a contribution of efforts by the community to address pollution prevention needs. More time on the streets sweeping and less material collected could mean individuals are hearing the message.

BMP 3: Evaluate Municipal Operations

Start Date: 1/1/2016

End Date: 12/31/2016

BMP Description:

The City of Kearney will develop Standard Operating Procedures for the evaluation of municipal operations related to stormwater runoff.

Date of activity: As needed, new employees

Description: Runoff Control Plan Update Training

Title: Facility Managers SWMP training

Cost: N/A

Summary: Facility managers from the park and recreation department and public works are asked to

inform new employees of the SWMP. The SWMP for each hotspot facility are reviewed with employees on a periodic basis to inform them of the pollution prevention goals of the facility.

Date of activity: Semi Annually

Description: Park facility inspections

Title: North parks maintenance building, Yanney park maintenance building, Cemetery, Golf Course

Cost: N/A

Summary: Facility evaluations are conducted on a semi-annual basis.

Date of activity: Semi Annually

Description: Public Works facility inspections

Title: facility evaluations and improvement suggestions to facility manager

Cost: N/A

Summary: Facility evaluations are conducted on a semiannual basis.

Date of activity: Winter Preparation November 22, 2016

Description: Calibration of salt spreaders

Title: Deicing material tracking

Cost: N/A

Summary: We calibrated the spreader systems on our deicing equipment. We will begin tracking the amount of chemicals applied during a snow season to evaluate ways to decrease the use of deicing materials all while maintaining the high standard required for safe roadway travels.

Date of activity: 4/15/2016

Description: New street sweeper purchase

Title: Delivery of new Elgin street sweeper

Cost: \$234,248

Summary: A new Elgin Eagle was delivered to the Street shop today. This was an upgrade from the previous Elgin Eagle. With more easily controlled side brooms, this sweeper can move at highway speeds, has a maximum width of 10 feet and hopper capacity of 4.5 cubic yards. The ability to accommodate most any kind of material found on the road gives the community great versatility here.

MCM 7: Wet Weather Monitoring

BMP 1: Develop Standard Operating Procedures for conducting baseline wet weather monitoring

Start Date: 1/1/2016

End Date: 12/31/2016

BMP Description:

The City of Kearney will develop Standard Operating Procedures for conducting baseline wet weather monitoring in correspondence with NDEQ MS4 Permit Requirements

No activities were scheduled for the BMP listed above during this reporting period

BMP Notes: SOP procedures established in 2009 were continually followed during this permit years monitoring events. These procedures seem to be working efficiently and will be the continued procedures. Since we are currently unaware of the next permit terms monitoring requirements we will continue the SOP procedures until changes to this MCM are presented.

BMP 2: BMP Assessment Monitoring

Start Date: 1/1/2016

End Date: 12/31/2016

BMP Description:

The City of Kearney will develop Standard Operating Procedures for conducting baseline wet weather monitoring.

No activities were scheduled for the BMP listed above during this reporting period.

Appendix A

2016 Summary of Nebraska H2O Website Activity

- [Dashboard](#)
- [Reports](#)
- [WordPress](#)
- [Home](#)
- [Site Stats](#)
- [Users](#)
- [Posts](#)
- [Media](#)
- [Links](#)
- [Forms](#)
- [Pages](#)
- [Comments](#)
- [Featured](#)
- [Testimonials](#)
- [Portfolio](#)
- [Videos](#)
- [Appearance](#)
- [Plugins](#)
- [Users](#)
- [Tools](#)
- [Settings](#)
- [Anti-Malware](#)
- [Wordfence](#)
- [Collapse menu](#)

To make your site as secure as possible, take a moment to optimize the Wordfence Web Application Firewall:

[Click here to configure](#) [Dismiss](#)
 If you cannot complete the setup process, [click here for help](#)

Site Stats [Configure](#)

January 6, 2017, 12:23 pm

[Return to Stats](#)

Months and Years

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
2011							951	447	262	412	346	238	2,696
2012	293	419	525	467	356	395	290	362	323	333	361	281	4,426
2013	387	316	308	332	285	240	266	275	197	202	126	484	3,418
2014	308	268	323	7	0	0	0	0	0	0	0	0	906
2015	287	341	464	485	484	446	373	359	265	256	283	333	4,376
2016	318	338	327	461	438	210	346	364	293	359	351	278	4,078
2017	40												40

Average per Day

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Overall
2011							31	14	9	13	12	8	14
2012	8	14	17	16	11	13	9	12	11	11	12	9	12
2013	12	11	10	11	9	6	9	9	7	7	4	16	9
2014	10	10	10	0	0	0	0	0	0	0	0	0	2
2015	9	12	15	16	16	15	12	12	9	8	9	11	12
2016	10	12	11	15	14	7	11	12	10	12	12	9	11
2017	8												8

Recent Weeks

Mon	Tue	Wed	Thu	Fri	Sat	Sun	Total	Average	Change
Dec 28	Dec 29	Dec 30	Dec 31	Dec 2	Dec 3	Dec 4			
4	12	4	4	12	7	4	41	6	
Dec 5	Dec 6	Dec 7	Dec 8	Dec 9	Dec 10	Dec 11			
19	15	11	12	12	1	11	81	12	+37.56%
Dec 12	Dec 13	Dec 14	Dec 15	Dec 16	Dec 17	Dec 18			
59	10	29	4	10	4	9	135	19	+66.67%
Dec 19	Dec 20	Dec 21	Dec 22	Dec 23	Dec 24	Dec 25			
8	17	5	3	3	0	0	37	5	-72.59%

Appendix B

2016 Summary of Twitter Activity

Account/(analytics/account) Tweets/(analytics/tweets)

Recent Engagements

Tweets	Impressions	Replies	Retweets
 <p>NebraskaH2O is a stormwater cooperative comprised of Nebraska communities! @CityofKearney (/CityofKearney) @krnywhitewater (/krnywhitewater) @1340KGFW (/1340KGFW) nebraskah2o.org (https://t.co/STYyZVYLV2)</p> <p>View Tweet activity Dec 19</p>	339	1	3
<p>Is 'Spring Cleaning' too far away? Drop your household materials off at Kearney's two locations! nebraskah2o.org (https://t.co/STYyZVYLV2) twitter.com/KearneySWMP/st... (/KearneySWMP/status/756877535685799936)</p> <p>View Tweet activity Nov 21</p>	231	0	1
 <p>@CityofKearney (/CityofKearney) @krnywhitewater (/krnywhitewater) @1340KGFW (/1340KGFW) Kearney drop-off locations for Household Hazardous Materials... no-charge! nebraskah2o.org (https://t.co/vZLsmyYWay)</p> <p>View Tweet activity Nov 16</p>	215	0	1
 <p>nebraskah2o.org (https://t.co/9C2fKzWzWG) @CityofKearney (/CityofKearney) @1340KGFW (/1340KGFW) @krnywhitewater (/krnywhitewater) Please don't LEAVE your LEAVES in the street...</p> <p>View Tweet activity Oct 10</p>	767	0	3
<p>@krnywhitewater (/krnywhitewater) @1340KGFW (/1340KGFW) For more information try nebraskah2o.org (https://t.co/9C2fKzWzWG), see how other Nebraska communities address water conservation! twitter.com/KearneySWMP/st... (/KearneySWMP/status/727936720667543040)</p> <p>View Tweet activity Sep 27</p>	57	0	0
 <p>@CityofKearney (/CityofKearney) Ever want to do something around the yard that is conservation minded and appealing as well?</p> <p>View Tweet activity May 4</p>	180	0	0
 <p>@CityofKearney (/CityofKearney) @krnywhitewater (/krnywhitewater) @1340KGFW (/1340KGFW) FREE! Neighborhood Cleanup - Join Us! Sept. 30-Oct 21. FREE! Please dump in appropriate location.</p> <p>View Tweet activity Sep 21</p>	504	0	2
<p>@krnywhitewater (/krnywhitewater) @1340KGFW (/1340KGFW) twitter.com/KearneySWMP/st... (/KearneySWMP/status/727936720667543040)</p> <p>View Tweet activity Sep 2</p>	43	0	0
 <p>@CityofKearney (/CityofKearney) @krnywhitewater (/krnywhitewater) @1340KGFW (/1340KGFW) Request for the City of Kearney? Go to 'Access Kearney' on it's website!</p> <p>View Tweet activity Aug 31</p>	399	0	2
<p>Building a Street in Kearney, NE youtu.be/PQrtYVg7NE (https://t.co/2OXhgr81f3) via @YouTube (/YouTube) @CityofKearney (/CityofKearney) nebraskah2o.org (https://t.co/STYyZVQwmC) @krnywhitewater (/krnywhitewater)</p> <p>View Tweet activity Aug 2</p>	412	0	1

3,147

https://dashboard.twitter.com/analytics/tweets

1/2

1/3/2017

Twitter Dashboard

<p>@CityofKearney (/CityofKearney) @krnywhitewater (/krnywhitewater) Help clean and restore water ways gofundme.com/friendsoffish... (https://t.co/oyd6aC3o0q)</p> <p>View Tweet activity Jul 14</p>	138	0	0
 <p>@CityofKearney (/CityofKearney) @krnywhitewater (/krnywhitewater) The City of Kearney uses multiple street sweepers to help keep our streets clean</p> <p>View Tweet activity Jul 12</p>	847	0	2
 <p>@CityofKearney (/CityofKearney) @krnywhitewater (/krnywhitewater) Here's a simple and inexpensive, way to positively effect stormwater pollution!</p> <p>View Tweet activity Jun 6</p>	689	0	2

1,675

Appendix C

2016 Stormwater Brochure

WHAT IS STORMWATER POLLUTION

Common sense tells us that rainwater is one of the purest forms of water there is. So, how is it possible that rainwater can be one of the largest contributing factors of environmental pollution? This process is quite simple when you break it down. The journey from our atmosphere to the ground is not the problem, the pollution lies in the journey from impermeable surface which rain falls upon, to the stormwater system and then on to our rivers.

When rainwater falls on our streets, sidewalks, and driveways, it is unable to soak into



the soils that are being covered up by urbanization. In turn, the rainwater is directed into the nearest storm drain by means of sloping pavement and curb & gutter systems. As stormwater moves across these impermeable surfaces and into the stormwater system chemicals, debris, and waste left on the ground are picked up along the way. Once these pollutants are picked up by runoff they travel to our lakes and rivers via storm drainage systems.

Unlike the common sewer system, a stormwater drainage system **does not** get treated before discharging into creeks, and rivers. All sources of contamination picked up by rainwater and snowmelt then flow through a system of pipes and channels before ending up in one of our local waterways.

HOW DOES STORMWATER POLLUTION AFFECT US?

For drinking water, filtering out pollutants and contaminants increases treatment costs, so we all pay higher water bills or our water is not as clean. When reservoirs fill up with sediment, reservoir capacity is reduced because they are full of silt, not water.

Bacteria and toxins can enter your body through water activities, such as swimming, especially just after rain. Polluted runoff can damage streams, rivers, lakes, and ponds. Excess nutrients can cause algae blooms which kill fish, muddy water keeps fish from feeding, breeding, and excess bacteria can harm both wildlife and people.



If pollutants reach high levels, the water can be unsuitable or even dangerous for humans and animals. These conditions are unsafe for swimming and even recreational use that does not involve direct contact with the water, such as boating and fishing.

HOW DO YOU CONTRIBUTE?

Unfortunately, we all contribute to stormwater pollution by our everyday activities. The **grass clippings** from your lawn accumulate and carry excess amounts of nutrients into our waterways, which also serves as a source of our drinking water.

Pet waste, fertilizer, soap from washing a car, and **oil** from your car, are all common pollutants that affect our water quality. This type of pollution is called nonpoint source pollution because it comes from many different places and is caused by many different activities.

Proper stormwater management is needed to help reduce the amount of nonpoint source pollution that enters our local waters, especially if we are to keep them safe for recreational activities. We all must share the responsibility of proper stormwater management. Prevention methods individuals apply now will save our community the possible high cost of future treatment actions.

WHAT IS THE CITY OF KEARNEY DOING ABOUT STORMWATER POLLUTION

The City of Kearney, in conjunction with the EPA, and NDEQ are currently in the process of developing and implementing stormwater pollution controls.

The common goals of these programs are to reduce pollutants that enter our nation's water bodies. As an NPDES, Phase II community it is now a requirement to regulate stormwater pollution and educate the public on the importance of our Stormwater Management Plan (SWMP). The pollution of storm water will affect everyone greatly; this is why our program will be targeting such a wide variety of contributing elements.

Some of which will include industry, construction activities, and even the habits of residential communities. The Cities new programs will outline many simple practices that can be done to detect and reduce pollution early.

EDUCATIONAL RESOURCES

www.epa.gov/npdes

www.deq.state.ne.us

www.cityofkearney.org

www.nebraskapartners.fws.gov

www.stormwaterauthority.org

www.nebraskah2o.org



For more information on the City of Kearney's Stormwater Management Plan please contact.

City of Kearney
Public Works Department
P. O. Box 1180
Kearney, NE 68848-1180
Stormwater Program Manager
Phone (308) 233-3273
Fax (308) 233-3223

STORMWATER POLLUTION PREVENTION

EVERYONE'S RESPONSIBILITY!

FILLING OUR RIVERS WITH POLLUTION ONE RAIN STORM AT A TIME?

Prevention Methods Applied Now Will Payoff in the End



Appendix D

2015 Assessment of the Appropriateness of Selected BMP's

Assessment of the Appropriateness of Identified Best Management Practices

Minimum Control Measure #1: Public Education & Outreach

Upon assessment of all Best Management Practices (BMP's) under this MCM it was found that each BMP is appropriate and effective. While we feel all required Measurable Goals for the permit year were achieved, the additional activities included brochures/flyers, NeH20 paraphernalia, newspaper articles, TV commercials and the continuation of Nebraska H20.

Minimum Control Measure #2: Public Participation and Involvement

Upon assessment of all Best Management Practices (BMP's) under this MCM it was found that each BMP is appropriate and effective. While we feel all required Measurable Goals for the permit year were achieved, the most successful activities included public gatherings and cleaning up the Kearney Canal. The events gave us the opportunity to address some common concerns of environmentally minded people.

Minimum Control Measure #3: Illicit Discharge Detection and Elimination

Upon assessment of all Best Management Practices under this MCM it was found that each BMP is appropriate and effective. We will continue to locate all outfalls and add additional system mapping as it is discovered. As always, our Stormwater email and call-in line are up and available to the public. This program will be ongoing into the next permit term.

Minimum Control Measure #4: Construction Site Stormwater Runoff Control

Upon assessment of all Best Management Practices under this MCM it was found that each BMP is appropriate and effective. While all required Measurable goals for the permit year were achieved, the most successful activities remained educational meetings, site evaluations with contractors, participation in public events sponsored by the development community, and training events brought to the area and brochures/flyers.

Minimum Control Measure #5: Post Construction Stormwater Management

Upon assessment of all Best Management Practices under this MCM it was found that each BMP is appropriate and effective. We will continue to evaluate and develop this MCM into the next permit term. There has been significant discussion on the specifics of this MCM and it has been discussed at length amongst our Public Works Dept. in preparation of presenting it to the developers, engineers, and contractors.

Minimum Control Measure #6: Pollution Prevention/Good Housekeeping for Municipal

Operations Upon assessment of all Best Management Practices under this MCM it was found that each BMP is appropriate and effective. While almost all of the required Measurable Goals have been achieved we have continued evaluation of practices and implement systems and procedures to improve many of our operations.

Minimum Control Measure #7: Stormwater Monitoring

Upon assessment of all Best Management Practices under this MCM it was found that each BMP is appropriate with the approved 2008 amendment to this program. The City of Kearney will be exploring options to this program in the next permit term.

APPENDIX E

Summary of Continuing Program Activities until Permit Reissuance

Summary of Continuing Activities

BMP ACTIVITY	TARGET AUDIENCE	FREQUENCY	TO BE CONTINUED OR IMPLEMENTED BY
Radio Public Service Announcement: Water quality impacts from urban stormwater	General public	Daily with KGFW	Continue
City Newsletter: Kearney Connection Article on stormwater quality and/or public participation events	General public	At least once every permit year	Continue
Local newspaper: Add promoting Nebraska H2O	General public	At least once every permit year	Continue
Posters: Public awareness about stormwater	General public, City staff	Continuous posting at City buildings on the table top display	Continue
Display Board: Public awareness about stormwater program	General public, City staff	Displayed at one local event every permit year	Continue
Booth at Local Event: Have a booth about the stormwater program	General public	As many as possible during the permit year	Continue
Free Promotional Items: Purchase and distribute items with water quality message Nebraska H2O	General public, schools	At all public events when brochures are distributed	Continue
Public Meeting: Discuss program-related items at Nebraska Stormwater Cooperative Meetings	General public	Regularly scheduled quarterly meetings. Elements of the SWMP will be discussed at the meetings.	As needed

BMP ACTIVITY	TARGET AUDIENCE	FREQUENCY	TO BE CONTINUED OR IMPLEMENTED BY
Brochures / Flyers: Various program-related topics including water quality impacts from urban stormwater, household chemical disposal options, proper on-site sewage disposal system maintenance, proper use of fertilizers and pesticides, recycling and re-use benefits, motor oil pollution prevention, responsible pet ownership	General public – adults Schools (5th – 12th) Business	Distribute throughout the year; continuously at City buildings. Events	Continue
Stormwater Website: Nebraska H2O City of Kearney	General public	Continuous access Update website	Continue
Recycle Drop-Off Event	General public	Twice every permit year	Continue by Utilities dept
Bulk Trash Pick-Up and Drop-Off Program	General public	Continuously available	Continue
Recycling Opportunities: Curbside recycling program, Christmas tree recycling event, Recycling Center, city office paper recycling program	General public, City staff	Continuously or periodically available	Continue
Household Hazardous Waste Program: Disposal program coordinated with Kearney Sanitation Department	General public	Continuously available	Continue
Stormdrain Marking: Stormdrain marking program	General public, schools, non-profit & civic organizations	Continuously available	Continue
Inspections: City inspection of reported illicit discharges	City-wide	Perform inspections on reported illicit discharges as needed and resolve.	Continue

BMP ACTIVITY	TARGET AUDIENCE	FREQUENCY	TO BE CONTINUED OR IMPLEMENTED BY
Enforcement: Take appropriate action to abate pollutant source	City-wide, all sources	As necessary	Continue
Site Plan Review: Review and modify current process of pre-construction site plan review for construction water quality impacts	City staff	All site plans for commercial, industrial, and residential developments will be reviewed	Continue under new ordinance conditions.
Stormwater Phone Line: Answer questions, give guidance, take complaints	General public	Continuously during office hours; voice mail available after hours to leave messages	Continue
Brochure / Flyer: Training brochure on various stormwater topics	City staff	Distribute as training for City staff; quarterly.	Continue
Training: Municipal Stormwater Pollution Prevention Video	City staff	Offered once every other year	Continue
Training: Spill Response	City staff	Offered once during permit cycle	Continue
Training: Facility Inspections	City staff	Offered twice per year	Continue
Training: General Stormwater Training	City staff	Offered once during permit cycle	Continue
Training: General Stormwater Training for summer staff	City staff	Offered once per year	Continue
Inspections: Conduct MS4 complaint inspections and track chronic sources; initial City facility inspection; and Good Housekeeping inspections	City-wide	Semi Annual inspections performed by facility supervisors. Annual assessment by stormwater program manager.	Continue
Dry Weather Outfall Inspections: Continue dry weather outfall investigations. Evaluate any dry weather discharge for illicit discharge potential	City staff	Yearly inspections will continue on a % basis in the following years.	Continue with the next 33% +/- outfall inspection

BMP ACTIVITY	TARGET AUDIENCE	FREQUENCY	TO BE CONTINUED OR IMPLEMENTED BY
Enforcement: Take appropriate action to abate pollutant source	City-wide, all sources	As necessary	Continue
Street Sweeping	City staff	Continually throughout city dependent on weather conditions. Record quantity of collected materials and miles swept.	Continue

Appendix F

Summary of Active Post-Construction Ordinances

DIVISION III. POST-CONSTRUCTION

9-1626 POST-CONSTRUCTION REQUIREMENT OF PERMANENT BMPs.

A. Land development that meets the requirements of Section 9-1606 of this Article must address stormwater runoff quality through the use of permanent BMPs. Permanent BMPs shall be provided for in the drainage plan for any subdivision plat, annexation plat, development agreement, subdivision agreement or other local development plan.

B. Structural BMPs located on private property shall be owned and operated by the owner(s) of the property on which the BMP is located; unless the City agrees in writing that a person or entity other than the owner shall own or operate such BMP. As a condition of approval of the BMP, the owner shall also agree to maintain the BMP in perpetuity to its design capacity unless or until the City shall relieve the property owner of that responsibility in writing. The obligation to maintain the BMP shall be memorialized on the subdivision plat, annexation plat, development agreement, subdivision agreement or other form acceptable to the City and shall be recorded with the City of Kearney Public Works Department.

(Ord. No. 7573, 2-23-2010)

9-1627 CERTIFICATION OF PERMANENT BMPs.

Upon completion of a project, and before a Certificate of Occupancy shall be granted, the City shall be provided a written certification stating that the completed project is in compliance with the approved Final Drainage Plan. All applicants are required to submit "as built" plans for any permanent BMPs once final construction is completed and must be certified by a professional engineer licensed in the State of Nebraska. A final inspection by the City of all post-construction BMPs shall be required before a Certificate of Occupancy will be issued or any public infrastructure is accepted.

(Ord. No. 7573, 2-23-2010)

9-1628 ONGOING INSPECTION AND MAINTENANCE OF PERMANENT BMPS.

A. The owner of site must, unless an on-site stormwater management facility or practice is dedicated to and accepted by the City, execute an inspection and maintenance agreement, that shall be binding on all subsequent owners of the permanent BMPs.

B. Permanent BMPs included in a Final Drainage Plan which are subject to an inspection and maintenance agreement must undergo ongoing inspections to document maintenance and repair needs and to ensure compliance with the requirements of the agreement, the plan and this Article.

(Ord. No. 7573, 2-23-2010)

Appendix G

Summary of 2016 ComCate Case Details

Case Detail Report

Report Criteria:

Department: [Parks](#) [Wastewater](#) [Customer Records](#) Open Date Range: From: To: Type of Customer: Request From: Status: Year:

Public Works 01/01/2016 12/31/2016 All All All

Case Details:

Case #	Status	Type	Department	Form	Customer Request	Age (Years)	Customer	Customer Type	Open Date	Request Date	Request Time	Resolution Date	Resolution Time	Customer Address	Location of Request	Priority	Requester	Requester Department
27180	Resolved	Complaint	Public Works	Stormwater Pollution-Construction Site - Mud washing into Adjacent Property	New house being built at the southwest corner of 5 ...	2	 Fessner, Jeremy	External	12/28/2016			N/A	12/30/2016	2 5311 S Ave Kearney NE 68847	Kearney NE 68845	Proskocil, Gary		ADM, PD, PW, UT, PR, CE, DS
27042	Resolved	Complaint	Public Works	Stormwater Pollution-Other	1702 W 41st St - Homeowner blows leaves and in the ...	1	 Anonymous	External	10/19/2016			N/A	10/20/2016	1 1702 W 41st St Kearney NE 68845	Kearney NE 68845	Proskocil, Gary		ADM, PD, PW, UT, PR, CE, DS
26919	Resolved	Suggestion	Public Works	Stormwater Pollution-Clogged Storm Drains/Ticket	At the corner of West 38th Street Place and County ...	1	 Tyn, Tom	External	09/01/2016			N/A	09/02/2016	1 2507 W 38th Street N Kearney NE 68845	2507 W 38th Street N Kearney NE 68845	Proskocil, Gary		ADM, PD, PW, UT, PR, CE, DS
26571	Resolved	Complaint	Public Works	Stormwater Pollution-Construction Site - Mud/Sediment in Street/Creek	5009 15th Ave N - Erosion	65	 Proskocil, Gary	Staff	05/16/2016			N/A	07/20/2016	46 5009 15th Ave N Kearney NE 68847	Kearney NE 68847	Proskocil, Gary		ADM, PD, PW, UT, PR, CE, DS
26570	Resolved	Complaint	Public Works	Stormwater Pollution-Construction Site - Mud/Sediment in Street/Creek	4604 14th Ave N - Erosion	65	 Proskocil, Gary	Staff	05/16/2016			N/A	07/20/2016	46 4604 14th Ave N Kearney NE 68847	Kearney NE 68847	Proskocil, Gary		ADM, PD, PW, UT, PR, CE, DS
26569	Resolved	Complaint	Public Works	Stormwater Pollution-Construction Site - Mud washing into Adjacent Property	4505 15th Ave N - Erosion	0	 Proskocil, Gary	Staff	05/16/2016			N/A	05/16/2016	0 4505 15th Ave N Kearney NE	Kearney NE	Proskocil, Gary		ADM, PD, PW, UT, PR, CE, DS

Appendix H

Summary of First Pages of our 2 primary 2016 Street Sweepers' Activities

Overview of the Street Sweeping program

Start Date: 1/1/2016		End Date: 12/31/2016	
Total Debris Collected: 0.838			
North-West			
7130016	Not Applicable		5.00
7196004	Not Applicable		12.00
7270019	single sweeper		8.00
7296016	single sweeper		8.00
8110019	Not Applicable		8.00
8380019	Not Applicable		12.00
8712014	Not Applicable		20.00
10210016	Not Applicable		20.00
10210016	Not Applicable		25.00
			118.00
Downstream Areas			
2180019	Not Applicable		18.00
4020019	single sweeper		3.00
4140019	Not Applicable		4.00
4210014	single sweeper		7.00
4280016	single sweeper		8.00
5000019	single sweeper		5.00
5000019	Not Applicable		9.00
5120019	single sweeper		9.00
5190019	single sweeper		9.00
5200019	single sweeper		3.00
5200019	Not Applicable		5.00
6000016	single sweeper		9.00
6000016	single sweeper		9.00
980019	Not Applicable		18.00
9190019	single sweeper		9.00
9220019	single sweeper		9.00
9280019	Hand Drive		9.00
9280019	Not Applicable		9.00
7800016	single sweeper		7.00
7130019	single sweeper		9.00
7010019	single sweeper		9.00
7020019	single sweeper		5.00
7080019	Not Applicable		9.00
7080019	single sweeper		7.00
8110019	single sweeper		9.00
8190019	single sweeper		9.00
8250019	single sweeper		7.00

Overview of the Street Sweeping program

Start Date: 1/1/2016		End Date: 12/31/2016	
Total Debris Collected: 913			
Downstream Areas			
4020019	single sweeper		3.00
4210014	single sweeper		7.00
4280016	single sweeper		8.00
5000019	single sweeper		8.00
5000019	single sweeper		8.00
5120019	Not Applicable		9.00
5190019	Not Applicable		9.00
5200019	Not Applicable		9.00
5200019	single sweeper		9.00
6000016	single sweeper		9.00
6000016	single sweeper		9.00
980019	single sweeper		9.00
9190019	single sweeper		9.00
9220019	Hand Drive		9.00
7800016	single sweeper		7.00
7130019	single sweeper		9.00
7010019	single sweeper		9.00
7020019	single sweeper		5.00
7080019	Not Applicable		9.00
7080019	single sweeper		7.00
8110019	single sweeper		7.00
8190019	single sweeper		9.00
8250019	single sweeper		9.00
			105.00
3rd Avenue			
7000016	Not Applicable		9.00
8220019	single sweeper		9.00
			18.00
South-East			
440019	single sweeper		9.00
402019	single sweeper		9.00

Appendix I

Proposed Post-Construction Implementation Timeline

City of Kearney Authorized Representative
&
Stormwater Management Program Signatures

Any questions about the SWMP please contact the City of Kearney Stormwater Program Manager at 308-233-3273.

Authorized Representative:

City of Kearney	aharter@kearneygov.org	308-233-3246
Permit Applicant	Representative's Email	Phone Number
Andrew Harter	1919 15 th Ave.	308-233-3209
Representative's Name	Address	Fax Number
Assistant Public Works Director	Kearney / NE	68845
Representative's Title	City/State	Zip Code
Representative's Signature / Date		

Stormwater Program Contact:

City of Kearney	dlillis@kearneygov.org	308-233-3273
Permit Applicant	Representative's Email	Phone Number
Daniel Lillis	1919 15 th Ave.	308-233-3209
Representative's Name	Address	Fax Number
Stormwater Program Manager	Kearney / NE	68845
Representative's Title	City/State	Zip Code
Representative's Signature / Date		