

*Kearney
Nebraska*



Phase II MS4 Annual Report for Permit Year Five

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

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Authorization No. NE 300008

-
For Reporting Period: 01/01/10 through 12/31/10



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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 Storm Water 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 (90) 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.

This year also completes a full permit term under the NPDES program. 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 lay the foundation for all program elements as to continue their development if needed into the next permitting cycle. Since this was the first permit term the City of Kearney has participated in, overall a majority of the program focus has been on education and outreach. Additional focus has been towards building new program requirements for construction, post-construction, illicit discharge 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 timeline for permit renewal the NDEQ has set. It is our understanding that the new permit has been sent to the EPA for review. Since that time we have been put on an administrative extension under our current permit. It is our intent to operate under our current permit and established plan BMPs. We will continue to implement and operate previously established programs while on this extension and into the next permit term. Once the new permit and SWMP has been submitted and accepted by the NDEQ we will switch our focus to meeting the goals of our next term.

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: Bruce Grupe, City Engineer
Contact Person: Andy Harter, Stormwater Program Manager
Mailing Address: City of Kearney, 1919 15th Ave, Kearney, NE, 68848-1180
Contact Phone Number: (308) 233-3273
Authorization Number: NER 300008
Authorization Date: January 1, 2006
Annual Report Due Date: April 1, 2011
Reporting Period: 1/1/10-12/31/10
Have any areas been added to the MS4 due to annexation or other legal means? **Yes**

Annexed Properties:

Commercial	68.59 Acres
Residential	50.11 Acres
Total for 2010	118.70 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.

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 builders, developers and common citizens has changed of the past five years. 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: 1/1/2010 to 12/31/2010

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

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: 29,500 **Households:** 0 **Area (sq mi):** 12.5

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

General Information for Primary Contact Person

Name: Bruce Grupe
Title: City Engineer
Phone Number: (308) 233-3246
E-Mail Address: bgrupe@kearneygov.org

Name: Andy Harter
Title: Stormwater Program Manager
Phone Number: (308) 233-3273
E-Mail Address: aharter@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: 1/1/2010

End Date: 12/31/2010

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: 3/24/10

Description: KHAS-TV Education Campaign

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

Cost: \$2220.00

Delivered To: All General Population

Distribution: With a population base of over 150,000 in the viewing area and over 640 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 3 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 over 160 spots aired at high viewing times. The 160 is only for a three month period although this campaign runs all year. The City of Kearney combined efforts of this campaign with three other cities (Grand Island, Lexington and Hastings) in total we run approximately 640 TV commercials distributing our messages. In addition, we carry a banner on the KHAS-TV website encouraging citizens to visit the collaborative education effort of Nebraska H2O.

Date of activity: 4/5/10

Description: KHGI/KWNB Education Campaign (NTV)

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

Cost: \$6760.00

Delivered To: All General Population

Distribution: With a population base of over 500,000 in the viewing area and over 400 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 3 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 over 400 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, Lexington) in total we run approximately 400 TV commercials distributing our messages.

Date of activity: 4/22/10

Description: Kearney Hub, Living Green Insert, Educational add placed in issue.

Title: The Solution to Stormwater Pollution

Cost: \$456.00

Delivered To: All General Population

Distribution: Kearney Hub Distribution Averages 13,500

Summary: A 3 column by 10" educational add was placed in the Hub's Living Green insert that provided readers with general education on protecting stormwater runoff and pollution prevention.

Date of activity: 5/10/10

Description: KHAS-TV Weather Guide Brochure Advertisement

Title: Severe Weather Safety & Educational Guide

Cost: Included in commercial advertising cost

Delivered To: All General Population

Distribution: 10,000

Summary: As a brochure sponsor an advertisement encouraging individuals to visit the Nebraska H2O educational website. Which the City of Kearney actively participates in.

Date of activity: 1/1/10-12/31/10

Description: Billboard Advertising Campaign

Title: Multiple messages displayed

Cost: \$5540.00

Delivered To: All General Population

Distribution: An average number of 20,000 cars pass the advertisement daily

Summary: Billboards advertisement is rotated every two months through the City of Kearney to distribute the message city wide. Two different billboards are used.

Date of activity: 1/1/10-12/31/10

Description: Magnetic Billboards on Two Sweepers and one VacCon

Title: Multiple messages displayed

Cost: \$0 – Still in use from previous year

Delivered To: All General Population

Distribution: These vehicles are traveling the streets constantly when weather permits spreading this message to anyone willing to read a small educational message.

Summary: Large billboard magnets are applied to the sides of these vehicles. Since this equipment travels slowly through town while working and is constantly out with weather permitting we have utilized this for a means of education.

Date of activity: 8/25/10

Description: Teach Stormwater educational class to Sunrise Middle School after school program

Title: The Water Cycle, Our Local Environment and Your Roll in Protecting It.

Cost: \$0 – No direct cost to the Stormwater Program

Delivered To: Middle School Students

Distribution: Two instructors and 17 students present for the class

Summary: This program was based off of the NE Outdoors Expo teaching events. The program focuses on the hydrologic cycle and where rainwater starts. From there when it lands here in NE what path does it travel and then where it ends up. The teaching focuses on how we in our everyday lives can help reduce and prevent the rainwater runoff from becoming polluted. In addition we talk about what we can do to restore areas that have been polluted. This is a visual, hands on and very Q&A formatted presentation. We utilize the use of power points, videos, enviroscape models and interactive discussion. Many teachers that have brought this program to their students show support for it and the popularity continues to grow.

Date of activity: 8/26/10

Description: Teach Stormwater educational class to Horizon Middle School after school program

Title: The Water Cycle, Our Local Environment and Your Roll in Protecting It.

Cost: \$0 – No direct cost to the Stormwater Program

Delivered To: Middle School Students

Distribution: Two instructors and 15 students present for the class

Summary: This program was based off of the NE Outdoors Expo teaching events. The program focuses on the hydrologic cycle and where rainwater starts. From there when it lands here in NE what path does it travel and then where it ends up. The teaching focuses on how we in our everyday lives can help reduce and prevent the rainwater runoff from becoming polluted. In addition we talk about what we can do to restore areas that have been polluted. This is a visual, hands on and very Q&A formatted presentation. We utilize the use of power points, videos, enviroscape models and interactive discussion. Many teachers that have brought this program to their students show support for it and the popularity continues to grow.

Date of activity: 10/12/10

Description: Kearney Connection Newsletter

Title: Fall and Winter Tips for Protecting Our Local Environment

Cost: \$0 – No direct publishing cost to the Stormwater Program

Delivered To: All General Population

Distribution: As part of the continued effort for the City of Kearney to reduce operational cost the December issue of the connection was posted online. A press release was issued stating this and also announcing that if anyone would like a printed copy to contact administration.

Summary: The Kearney Connection Newsletter is published semi-annually and distributed to the local community. Information provided in this newsletter contains all areas of city business. The Stormwater Management program tries to contribute an educational article twice a year depending on newsletter space. The previously mentioned article was published in the November issue.

Date of activity: 10/14/10

Description: Kearney Hub, Living Green Insert, Educational add placed in issue.

Title: Remember, it's not just toxic to you!

Cost: \$418.00

Delivered To: All General Population

Distribution: Kearney Hub Distribution Averages 13,500

Summary: A quarter page educational add was placed in the Hub's Living Green insert that provided readers with general education on protecting stormwater runoff and pollution prevention.

Date of activity: Continually

Description: Nebraska H2O Promotional Education items and Educational Fliers

Title: Public Education Materials

Cost: Approximately \$5500.00 throughout the year

Delivered To: All General Population

Distribution: 3100 items promoting the Nebraska H2O education program were distributed throughout this year. These items were distributed at the Home and Builders Show, Nebraska Outdoors Expo, School Education Events and Inlet Marking events.

Approximately 2500 educational fliers were distributed this year at the Nebraska Outdoors Expo. The fliers were put into backpacks that were available to the public during the event. The following fliers were distributed. (NE H2O program, KHAS-TV weather guide, Walter the Walleye Coloring Book, Tree-A-Syst rain garden brochure, Build Your Own Rain Barrel, Benefits to Rain Barrels, (3) different Neb Guides focusing on stormwater, After the Storm, Scoop the Poop and Recycling information) These were all included in the event displays as well as handed out in backpacks.

Summary: All of our public education fliers and information is continuously available on the websites. In addition we distribute educational materials at City Hall.

BMP 2: Develop Public Service Announcements

Start Date: 1/1/2010

End Date: 12/31/2010

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: 4/29/2010

Description: City of Kearney, Press Release

Title: Keep Yard Waste Out of the Drainage System and Recycle

Cost: \$0

Delivered To: All General Population

Distribution: To city council, all department and all local news media

Summary: Release focused on the opportunities citizens have to recycle yard waste and prevent them from entering the drainage system.

Date of activity: 4/5/2010

Description: City of Kearney, Press Release

Title: Announcing area where inlet marking and flyer distribution will take place.

Cost: \$0

Delivered To: All General Population

Distribution: To city council, all department and all local news media

Summary: Release focused on what areas of town Eagle Scout would be working in.

Date of activity: 4/28/2010

Description: City of Kearney, Press Release

Title: Announcing area where inlet marking and flyer distribution will take place.

Cost: \$0

Delivered To: All General Population

Distribution: To city council, all department and all local news media

Summary: Release focused on what areas of town Girl Scout Troop 832 would be working in.

Date of activity: 10/25/10

Description: City of Kearney, Press Release

Title: Keep Leaves off The Street - Rake Them Up and Recycle

Cost: \$0

Delivered To: All General Population

Distribution: To city council, all department and all local news media

Summary: Release focused on the opportunities citizens have to recycle leaf waste and prevent them from entering the drainage system.

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: 1/1/10-12/31/10

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 continually updated throughout the year with timely and program related materials.

BMP 4: Develop a Household Awareness Survey

BMP Description:

The City of Kearney will develop 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.

Work performed for the BMP listed above

Date of activity: 1/1/10-3/25/10

Description: Online survey continued from last permit term.

Title: Household Awareness Online Survey

Cost: \$0 – No direct cost for the online survey.

Delivered To: All General Population
Distribution: 52 were received via the online survey
Summary: See calculation sheet Appendix B for survey results and comparison to the 2007 results.

Date of activity: 1/15/2010

Description: Survey's Collected at Home and Builders Show
Title: Household Awareness Survey
Cost: \$0 – No direct cost for the online survey.
Delivered To: All General Population
Distribution: 57 were received via the online survey
Summary: See calculation sheet Appendix B for survey results and comparison to the 2007 results.

Date of activity: 3/1/2010

Description: Utility Bills Survey Stuffers
Title: Household Awareness Online Survey
Cost: \$660.80 printing cost
Delivered To: All General Population
Distribution: 5000 were received via the online survey
Summary: See calculation sheet in Appendix B for returned survey results and comparison to the 2007 results.

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

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: 6 total stormwater related cases were submitted to Access Kearney in 2010.
Summary: The Access Kearney website received six requests in 2010. Three of the reports were related to construction site track-out or blowing dirt issues. These were all addressed immediately by the stormwater management program and resolved within 24 hours. Three of the cases were related to spills or dumping of substances into the storm system. In one case no indication of dumping where reported could be found in the area, but visit were made to both adjacent businesses. The other two responsible parties were contacted and the issues addressed within 7 days of the request.

Description: The call in system has been established for the past four years. 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. Citizen 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. In all we have multiple ways to report.

Most calls received are minor track out complaints and are address 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 Storm Water related concerns

Start Date: 1/1/2010

End Date: 12/31/2010

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: 1/5/10

Description: Nebraska Outdoors Expo Planning Committee Meeting

Cost: \$0 – No direct cost

Delivered To: Committee members include Nebraska Game and Parks Staff, City Staff, Kearney Chamber, Cabela's Staff and any other contributing entity involved in the Expo operations

Summary: A lot of effort is put into the planning of this large three day environmental event. The City of Kearney Stormwater program was asked to participate on the planning committee board this year. The meetings included anywhere from 15-25 individuals and were held multiple time prior to the event.

Date of activity: 1/14/10

Description: Nebraska Stormwater Cooperative (NSWC) Meeting

Cost: \$0 – No direct cost

Delivered To: The NSWC consists of 9 phase II communities in Nebraska (Kearney, Grand Island, Lexington, Hastings, North Platte, Scotts Bluff, Columbus, Fremont and Norfolk).

Summary: This group has one goal "Working together when possible to accomplish a common goal." In the past members have presented many projects and problems to the cooperative group in order to find ways that will most economically solve an issue. We have worked on projects that address every aspect of our SWMP. From public education to public complaint issues and even new permit writing, this group utilizes the expertise of many to tackle some of the everyday and future program issues.

This meeting in particular included the UNL Extension office. The goal of the meeting was to brainstorm ways the NSWC and the Extension could work together in bring public education forums to each city.

Date of activity: 2/10/10

Description: Nebraska Outdoors Expo Planning Committee Meeting

Cost: \$0 – No direct cost

Delivered To: Committee members include Nebraska Game and Parks Staff, City Staff, Kearney Chamber, Cabela's Staff and any other contributing entity involved in the Expo operations

Summary: A lot of effort is put into the planning of this large three day environmental event. The City of Kearney Stormwater program was asked to participate on the planning committee board this year. The meetings included anywhere from 15-25 individuals and were held multiple time prior to the event.

Date of activity: 2/23/10

Description: Nebraska Stormwater Cooperative (NSWC) Meeting

Cost: \$0 – No direct cost

Delivered To: The NSWC consists of 9 phase II communities in Nebraska (Kearney, Grand Island, Lexington, Hastings, North Platte, Scotts Bluff, Columbus, Fremont and Norfolk).

Summary: This group has one goal "Working together when possible to accomplish a common goal." In the past members have presented many projects and problems to the cooperative group in order to find ways that will most economically solve an issue. We have worked on projects that address every aspect of our SWMP. From public education to public complaint issues and even new permit writing,

this group utilizes the expertise of many to tackle some of the everyday and future program issues.

Date of activity: 3/16/10

Description: Nebraska Outdoors Expo Planning Committee Meeting

Cost: \$0 – No direct cost

Delivered To: Committee members include Nebraska Game and Parks Staff, City Staff, Kearney Chamber, Cabela's Staff and any other contributing entity involved in the Expo operations

Summary: A lot of effort is put into the planning of this large three day environmental event. The City of Kearney Stormwater program was asked to participate on the planning committee board this year. The meetings included anywhere from 15-25 individuals and were held multiple time prior to the event.

Date of activity: 3/24/10

Description: Nebraska Stormwater Cooperative (NSWC), NDEQ and Douglas County Meeting

Cost: \$0 – No direct cost

Delivered To: The NSWC consists of 9 phase II communities in Nebraska (Kearney, Grand Island, Lexington, Hastings, North Platte, Scotts Bluff, Columbus, Fremont and Norfolk). The NDEQ representatives and Douglas County representatives

Summary: This group has one goal "Working together when possible to accomplish a common goal." In the past members have presented many projects and problems to the cooperative group in order to find ways that will most economically solve an issue. We have worked on projects that address every aspect of our SWMP. From public education to public complaint issues and even new permit writing, this group utilizes the expertise of many to tackle some of the everyday and future program issues.

This meeting focused on options to the monitoring program. Through means of stream bank assessments, amended monitoring practices among others.

Date of activity: 4/27/10

Description: Nebraska Outdoors Expo Planning Committee Meeting

Cost: \$0 – No direct cost

Delivered To: Committee members include Nebraska Game and Parks Staff, City Staff, Kearney Chamber, Cabela's Staff and any other contributing entity involved in the Expo operations

Summary: A lot of effort is put into the planning of this large three day environmental event. The City of Kearney Stormwater program was asked to participate on the planning committee board this year. The meetings included anywhere from 15-25 individuals and were held multiple time prior to the event.

Date of activity: 6/4/10

Description: Nebraska Outdoors Expo Planning Committee Post Review Meeting

Cost: \$0 – No direct cost

Delivered To: Committee members include Nebraska Game and Parks Staff, City Staff, Kearney Chamber, Cabela's Staff and any other contributing entity involved in the Expo operations

Summary: A lot of effort is put into the planning of this large three day environmental event. The City of Kearney Stormwater program was asked to participate on the planning committee board this year. The meetings included anywhere from 15-25 individuals and were held multiple time prior to the event.

Date of activity: 6/8/10, 6/24/10 and 7/13/10

Description: Nebraska Stormwater Cooperative (NSWC) Teleconference

Cost: \$0 – No direct cost

Delivered To: The NSWC consists of 9 phase II communities in Nebraska (Kearney, Grand Island, Lexington, Hastings, North Platte, Scotts Bluff, Columbus, Fremont and Norfolk). The NDEQ representatives and Douglas County representatives

Summary: The 6/8 and 6/24 meeting was held to review the newly drafted permit prior to submitting to the NDEQ. On the 13th of July a formal meeting was held with the NDEQ to review and collect comment on the new MS4 permit up for renewal. The permit was crafted by the cooperative and present to the NDEQ for updates and changes then submitted to the EPA for review. The permit was written with the idea of improving the program operations for all parties using the EPA draft.

BMP 2: Participate/Sponsor Community Environmental Events

Start Date: 1/1/2010

End Date: 12/31/2010

BMP Description:

The city will develop ways to provide organization, leadership or funding to members and groups of the community for local environmental events.

Work performed for the BMP listed above

Date of activity: 1/15/10 - 1/17/10

Description: 2010 Home and Builders Show

Title: Exhibit Booth

Cost: \$325.00

Delivered To: All General Population, contractors and consultants

Distribution: No exact count was kept at the show. However, an estimated number of 10,000+ was given to us.

Summary: The Home and Builders show is put on by the West Central Nebraska Home Builders Association. This show consists of hundreds of product and informational exhibitors from all over the country. In the past we have presented many times and the Home Builders meetings and work closely with them as needed information comes up. The opportunity was taken to develop an educational booth at the show that would provide area developers and builders with the opportunity to meet with us on their projects. We focused on project review and Q&A about the City of Kearney's construction program. Since the event was also open to the public we included general information and Nebraska H2O promotional items at the event.

Date of activity: 5/13/10 – 5/15/10

Description: Nebraska Outdoors Expo Environmental Event

Title: Exhibit Booth and Classroom Classes

Cost: \$1000.00

Delivered To: Day 1&2 - fourth to sixth grade students, Day 3 - All General Population

Distribution: 1900 students attended, public day estimated at 8,000 – 10,000

Summary: The basic focus of the education seminar was on watersheds, how rainwater gets polluted, common pollutants, how we test local water bodies, problems this type of pollution can cause and where polluted rainwater ends up. In addition all students received a take home bag full of Nebraska H2O promotional gear. The teachers also receive the World Water Monitoring Day test kit along with an instructional book that will allow them to teach their students on local water body conditions.

The thousands attending the Nebraska Outdoors Expo had the opportunity to try something new and learn about areas vital to our local environment. Hosted by the Nebraska Game and Parks Commission the annual Expo has turned into an opportunity for thousands to experience outdoor activities they may have never done before. This Expo has also provided an outstanding avenue for the Nebraska H2O and Phase II communities to educate youth across the state as well as speak with countless local citizens on stormwater pollution issues facing us all.

Programs on Thursday and Friday were scheduled for area students, and Saturday's program was open to the public. Kearney, Lexington, Grand Island and Hastings participated in the event as representatives of Nebraska H2O. We took the opportunity to educate the students on areas of stormwater pollution. The basic focus of the education seminar was on watersheds, how rainwater gets polluted, common pollutants, how we test local water bodies, problems this type of pollution can cause and where polluted rainwater ends up. In addition all students received a take home bag full of Nebraska H2O promotional gear. The teachers also receive the World Water Monitoring Day test kit along with an instructional book that will allow them to teach their students on local water body conditions.

With approximately 1,900 teacher and students participating in the first two days of the event and Saturday's attendance estimated at 8,000-10,000 this educational event was a great opportunity for the cooperative. Over the three days we distributed almost 10,000 Nebraska H2O promotional items all armed with the website and a word from our participating cities to visit the site for any information

on pollution prevention tips or contact information for your local programs.

The Nebraska Stormwater Cooperative would like to thank the Nebraska Game and Parks Commission for putting on such a great event in our area. The Nebraska Department of Environmental Quality for the grant funding contributions and all of the teachers for allowing their students to participate in the event. Many schools and citizens attended the three day event. The educational presentations were given throughout the event.

BMP 3: Develop a Storm Water Inlet Stenciling Program

Start Date: 1/1/2010

End Date: 12/31/2010

BMP Description:

The City of Kearney will develop a Stormwater Inlet Stenciling Program.

Work performed for the BMP listed above

Date of activity: 2/10/2010

Description: Presentation to Girl Scout Leadership Council on Stenciling Opportunities

Cost: N/A

Delivered To: 17 Troop leaders and leadership council members

Summary: A presentation was given to the leadership council on the opportunities available for their troops to mark inlets within the community. This program was offered as a money making opportunity or community service project. The presentations ended up bring two scheduled events, however only one event was completed due to weather conditions canceling the other.

Date of activity: 4/30/2010

Description: Girl Scout Marking Event - Troop 832

Title: Storm Sewer Inlet Marking Event and Public Education Flier Distribution

Cost: \$118.00

Delivered To: Area Residents, in addition a article covering the event was submitted to the Kearney Hub which distributes approximately 13,500 issues.

Distribution: 52 Inlets Marked by 5 sponsors and 13 scouts

Summary: Girl Scout Troop 832 marked storm drains in the Centennial Park Area. Hanging fliers and picking up trash along the marking routes was also a large part of their efforts. The event ended with a total of 56 inlets marked and all area homes supplied an informational door hanger. Completed areas were 6th and 7th Ave. from 13th St to South Railroad St. 40 Markers were also taken by two of the sponsors so they could be applied in their own neighborhoods. This would be 9th Ave. and 11th Ave. between the same streets.

Troup 832 marked inlets with the NO DUMPING DRAINS TO RIVER markers and distributed door hangers with stormwater pollution prevention information and the reporting hotline number. The girls also picked up trash around all of the inlets. The event was sponsored buy the City of Kearney Stormwater Management Program and the NDEQ grant program.

Date of activity: The months of June and July

Description: Inlet Marking for Eagle Scout Project (Scout, Ryan Swensen)

Cost: \$1000.00

Delivered To: North West Kearney Area Residents

Distribution: Approximately 350 Inlets Marked and Countless Educational Door Hanger Distributed

Summary: Eagle Scout prospect Ryan Swensen coordinated and executed the largest storm drain marking event in the North West Kearney area to date. Hanging fliers and picking up trash along the marking routes was also a large part of their efforts. The event ended with approximately 350 inlets marked and all area homes supplied an informational door hanger. Completed areas were located between 6th Ave. and 30th Ave. and from Hwy 30 to the north boundary of the city limits.

Ryan and his troop marked inlets with the NO DUMPING DRAINS TO RIVER markers and distributed door hangers with stormwater pollution prevention information and the reporting hotline number. The event was sponsored buy the City of Kearney Stormwater Management Program and the NDEQ grant program.

MCM 3: Illicit Discharge Detection and Elimination

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

Start Date: 1/1/2010

End Date: 12/31/2010

BMP Description:

The City of Kearney will develop 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 Program Manual SOP

Cost: No direct cost besides wages

Summary: As part of a program review and update a written SOP manual is being created. Currently the manual is about 90% completed. Minor procedural operations are yet to be finalized. However, overall the manual is operational. This manual was developed to provide direct overview of how the programs are intended to be operated. Sections of the manual will provide operations procedures, tracking procedure, investigation procedures, complaint response procedures, reporting procedures and record keeping procedures. With an overall goal that anyone needing to learn about or investigate elements of the City of Kearney IDDE programs will be able to do so by simply picking up one manual to find any answers about the program necessary.

Description: Illicit Discharge Hotline Calls

Cost: No direct cost besides wages

Summary: The following is a summary of the calls received during the 2010 permit term. To date all calls were addressed without need for enforcement measures.

Complaint ID #	Date	Received By	Location	Site Inspection	Resolved?
10-ID1	5/25/2010	Andy Harter	Along all railroad ROW	yes	yes
10-ID2	6/24/2010	Andy Harter	2524 Ave. D	yes	yes
10-ID3	11/4/2010	Stephanie Lewis	3623 Ave L.	yes	yes

The year only produced three hotline calls. All of these incidents were solved by simple requests by the city to cease such activity and in no situation were the complaints directed at a hazardous situation. During the year we also receive a small number of calls about oil leaking cars, spilled ethanol by product and grass blown into the street and other minor situations. These instances are handled with public education either by brochures or a site visit and conversation with the owner. In most cases the city will deploy a sweeper to clean up most small cases like this.

BMP 2: Perform Dry weather Inspections of Storm Water Outfalls

Start Date: 1/1/2010

End Date: 12/31/2010

BMP Description:

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

Date of activity: 7/1/10

Description: Major outfall dry weather inspection

Cost: No direct cost besides wages

Area: City wide

Summary: An evaluation was made of the city drainage areas. The city was divided into 14 major drainage areas and their known outfall locations. These fourteen outfalls are the largest outfall locations in the city and together cover all drainage areas collectively. This investigation was planned as the beginning point of the Outfall Reconnaissance Inventory (ORI) program. We began with these 14 large outfalls in order to get city wide coverage of the major outfalls. From this point it is planned to define stream segments throughout the city, walk all segments and evaluated all outfall at least once per permit term. An access database is being utilized to track and record all ORI data. During the initial 14 major outfall investigations there have been no obvious illicit discharges discovered. These outfalls will continue to be monitored in the future.

Date of activity: 12/7/10

Description: Outfall Reconnaissance Inventory Stream Walks

Cost: No direct cost besides wages

Area: City wide

Summary: With an overall goal to evaluate all outfalls for illicit discharge and simple mapping location within the City of Kearney an ORI program was established. The first steps in this program were to divide the cities drainage canals, streams, small lakes and major ditches into segments. A desktop analysis was completed that divided the city wide drainage areas into 13 stream bank segments. These segments will be evaluated by walking the segment looking for outfall locations. Once an outfall is discovered it will be GPS located and a condition and illicit discharge evaluation will be completed. To date the city forces have completed five of the 13 segment walks during dry conditions. A total of 22 outfall locations have been discovered ranging from 12" to 60" in size. There have been no instances that would indicate an illegal connection to the system. This inventory is being tracked in an access database. We were able to evaluate ¼ of the city this year. ORI's will continue into the next permit term until all areas have been evaluated and a hot spot outfall evaluation process can be established.

BMP 3: Mapping of Storm Sewer System

Start Date: 1/1/2010

End Date: 12/31/2010

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: 4/30/10

Description: JEO Outfall Collection Project

Cost: \$55.00 per feature

Area: NE Kearney Area, Arterial and Collector Streets

Summary: The primary objective of this project was to collect survey data on features in the storm sewer system in the City of Kearney to supplement the GIS data for the city. Much of the city has been mapped and currently we are working in multiple formats to fill in gaps of the data and complete the system. JEO was brought in to complete collections in areas of higher traffic and larger systems. With the need for traffic control and more than a one man crew to complete the project. JEO has the resources to do this. During the project 259 features were collected that were previously not mapped in our GIS system. Once the GPS data was gathered JEO converted the needed information to a GIS compatible format. The collection of future gap areas discovered in high traffic areas will be collected using this same format.

Date of activity: 5/1/10-8/1/10

Description: Summer Intern Outfall Collection Project

Cost: N/A

Area: City wide

Summary: The primary objective of this project was to collect survey data on features in the storm

sewer system in the City of Kearney to supplement the GIS data for the city. Much of the city has been mapped and currently we are working in multiple formats to fill in gaps of the data and complete the system. A summer intern was hired to focus on filling gaps in the storm sewer system collection map. Current maps were evaluated for areas that may have been missed or never collected throughout the city. These areas were then picked up by the intern using the same feature collection process we have used for all other GPS locating efforts. To date our GPS system mapping efforts have collected approximately 703 features within the City of Kearney. This is a combination of contracted efforts and in-house collection efforts. Overall we have located approximately 3,123 features within our system.

Program Note: Overall mapping collection has been done city wide as of the end of our first permit term. Let it be understood that we are aware the some small areas of the system may not be located. These are very small areas that are difficult to locate on a city wide aerial. The system will continue to be evaluated over the next permit term for the gap locations. The mapping program will continue into the next permit term be the additions of new developments, extended systems and infrastructure reconstruction. It is also anticipated that the ORI will show additional areas to add to the system map.

MCM: 4 Construction Site Storm Water Runoff Control

BMP 1: Develop a Erosion and Sediment Control Ordinance

Start Date: 1/1/2010

End Date: 12/31/2010

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

Date of activity: 2/9/2010

Description: Ordinance presented to City Clerk for final formatting and review prior to council.

Summary: The Erosion and Sediment Control Ordinance for Construction has been sent to the City Clerk for final review and format editing. It is planned to be on the February 23rd council agenda for approval.

Date of activity: 2/23/2010

Description: Ordinance presented to City Clerk for final formatting and review prior to council.

Summary: Construction and Post-Construction Ordinance was presented to the City Council for their review and comment. The ordinance was approved by City Council and will be effective 30 days from the approval date. The elements of this ordinance will be phased into the 2010 construction season. During the 2009 permit year many educational efforts were done to inform, educate and work with the development community while developing this ordinance.

BMP 2: Develop Site Inspection/Plan Review Program

Start Date: 1/1/2010

End Date: 12/31/2010

BMP Description:

The city as part of its Erosion and Sediment Control Program will develop 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 2010, Kearney Public Works took part in the preliminary review of 16 site plans. Of those 16 sites, all site plans received final approval with the appropriate permits issued. Continued attention to erosion control plan submittals along with increased awareness in the industry provided for better compliance during site inspections.

The private developments were also required to schedule a preconstruction meeting 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. During the first year of ordinance implementation it was decided to follow more of a project assistance compliance approach. 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. In all but two cases there were no issues with getting the problem resolved.

Two sites required full SWPPP evaluations with the project supervisors. A full plan checklist was complete on the projects and Out-of-Compliance letters issued to the projects permit applicant or

Responsible Party. In both instances the sites were brought back into compliance. Only one of the sites posed a higher degree of discharge risk due to the location and design of the storm sewer system in relation to the discharge location. In no case was there a need to enforce upon a project with means of monetary fines. As mentioned prior we have been using education and project support during this first year of implementations.

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 2010 public development projects:

Projects: 7

Preconstruction Meetings Held: 8

Inspections completed: 83 inspections were performed on city projects in 2010

Still Active Projects: 4

Closed Projects: 3

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: 1/12/2010

Description: Development Newsletter

Title: City of Kearney Requirements for Storm Water Will Affect You!

Cost: N/A

Delivered To: Construction Community

Distribution: 350

Summary: Upcoming changes to the City of Kearney Storm Water permitting and regulations program. How the changes to the program and the new ordinance will effect large and small site developments within the City of Kearney.

Date of activity: 1/26/2010

Description: Presentation to Home and Builders Association Members

Title: City of Kearney Construction Stormwater Ordinance

Delivered To: Construction Community

Distribution: 31 members present

Summary: It was requested by the association that we come and speak to the members about the new construction ordinance. Topics of discussion were the key points of the ordinance and how each type of building project would be affected by the new rules. This allowed each type of builder to discuss their individual style of building project. The processes of large and small construction permitting, review/approval, inspection and enforcement were reviewed in order for these individuals to remain in compliance with the local, state and federal regulations.

Date of activity: 3/15/2010

Description: Notice to development community on the newly adopted ordinance and permitting processes.

Title: Construction Erosion and Sediment Control Review and Approval

Delivered To: Construction Community

Distribution: 350 members present

Summary: This letter was composed to the construction community regarding the newly approved ordinance by the city council. The ordinance establishes new procedures for the approval of a project large or small. Members of the development community have been provided multiple educational opportunities to learn about the ordinance and this will act as the official notice. These bulletins are sent out to approximately 350 contractors, developers, tradesmen, architects and engineers that are a part of the contact list.

Date of activity: 4/7/2010

Description: Checklist for ESC Plan submitted for approval (+1 acre sites)

Title: SWPPP Site Map Preparation Guide

Delivered To: Design and Engineering Companies

Distribution: sent to 3 firms and posted on the website

Summary: A design guide checklist created to assist design and engineering companies in the development of ESC plans. The guide was also produced to create uniformity in the plan development.

Date of activity: 2010 Construction Season

Description: Construction site evaluation and assistance meetings on NPDES permitting compliance.

Title: Educational site meetings

Delivered To: Construction Community as requested

Distribution: 9 site/consultation meetings were requested by developers

Summary: The City of Kearney has continually stressed that at anytime individuals may request site assistance from the PW department. During the 2010 permit year we have had some individuals taking advantage of this opportunity to gain compliance knowledge without the risk of repercussion. These meetings have ranged from BMP placement to site evaluation and even record keeping items. We feel that as these requests continue to grow this is one of our most effective ways to provide education and maintain construction compliance.

Date of activity: 8/1/2010

Description: NPDES Construction Bulletin

Title: Do Not Overlook Erosion and Sediment Control on Your Project Site

Delivered To: Construction Community

Distribution: 350 members present

Summary: The bulletin focused on commonly overlooked items on a construction project that are vital to control sediment mitigation off of a site. Also covered again are the proper procedures for permitting large and small construction projects. These bulletins are sent out to approximately 350 contractors, developers, tradesmen, architects and engineers that are a part of the contact list.

Additional BMP Notes: The program was experiencing some trouble with active projects posting the SWPPP notification signs on projects under one acre. It was decided that the program would provide the signs to small site development projects. To date, we have produced 100 signs and distributed almost 75 of these signs. The signs were made of a high quality aluminum material and the developers are expected to continue using issued signs from site to site.

BMP 4: Develop Design Standards for Storm Water Runoff Control Measures

Start Date: 1/1/2010

End Date: 12/31/2010

BMP Description:

The City of Kearney will develop 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 active specifications and are planned to be review in 2011. In addition, coordination between the Nebraska Stormwater Cooperative (NSWC) and the City of Omaha has been started that may allow us

to utilize current materials within the Omaha Drainage Criteria Manual for future adopted design standards. We are exploring ways that will allow us to utilize common materials state wide in the ESC design standards.

MCM 5: Post Construction Storm Water Management in New Development and Redevelopment

BMP 1: Develop a Post Construction Ordinance

Start Date: 1/1/2010

End Date: 12/31/2010

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

Date of activity: 2/9/2010

Description: Ordinance presented to City Clerk for final formatting and review prior to council.

Summary: The Erosion and Sediment Control Ordinance for Construction has been sent to the City Clerk for final review and format editing. It is planned to be on the February 23rd council agenda for approval.

Date of activity: 2/23/2010

Description: Ordinance presented to City Clerk for final formatting and review prior to council.

Summary: Construction and Post-Construction Ordinance was presented to the City Council for their review and comment. The ordinance was approved by City Council and will be effective 30 days from the approval date. The elements of this ordinance will be phased into the 2010 construction season. During the 2009 permit year many educational efforts were done to inform, educate and work with the development community while developing this ordinance.

BMP Note: This ordinance 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: 1/1/2010

End Date: 12/31/2010

BMP Description:

The City of Kearney will develop 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: 2/23/2010

Description: Plan review for Post Construction Measures

Summary: All projects are reviewed by the City Engineer 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 2010 permit term 16 developments were reviewed.

BMP 3: Develop Educational Materials for the Development Community

Start Date: 1/1/2010

End Date: 12/31/2010

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: 1/1/2010

End Date: 12/31/2010

BMP Description:

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

Date of activity: 4/2/2010

Description: Training Session for Building & Zoning Inspectors

Title: New regulations and inspection requirements

Cost: N/A

Delivered To: Chief Building Official and three Inspectors

Summary: A meeting was held with the Building & Zoning Department to review the new small lot program requirements. The B&Z department will be charged with the inspection of small lots that fall under the new requirements to implement and maintain BMP to control construction pollutants. The inspectors have attended the NDOR inspector training sessions and qualified to perform ESC inspections.

Date of activity: Annually

Description: Stormwater Training Video

Title: Stormwater Pollution Prevention – A Drop in the Bucket

Cost: \$409.75

Delivered To: All Field Employees (approximately 105 employees)

Summary: Overview of Stormwater BMP as related to everyday work activities.

Date of activity: 10/14/2010

Description: City wide drive about with city inspectors

Title: Pre winter condition small site evaluations

Cost: N/A

Delivered To: Three building inspectors and the Stormwater Manager participated in the drive about.

Summary: This drive was taken to evaluate the condition of all small lot development sites in the City of Kearney. Opinions on site conditions were exchanged and many contractors were talked with during the drive. All sites that had issues were contacted and instructed to bring sites into compliance ASAP and prior to winter conditions. This gave us the opportunity to evaluate site together and get everyone working on the same page and to reduce requirement confusion.

BMP 2: Evaluate Street Cleaning

Start Date: 1/1/2010

End Date: 12/31/2010

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: \$34,744.65 equipment operation cost. No wage added to figure.

Summary of Street Sweeping Operations: (See Appendix C for detail report of operations)

Route Events Performed: % of completed routes:

Estimated cu/yds of material collected 2010: 2137 cu/yds

Comparison of collected material since tracked: 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. As you can see above less material was collected this past year. However, when looking at the hours operated in comparison to the past two years it shows we have increased this by 80+ hours during the 2010 fiscal 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: 1/1/2010

End Date: 12/31/2010

BMP Description:

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

Date of activity: Semi-Annual

Description: Evaluation of Hot Spot City Owned Facilities

Title: Transportation Facility, North and South Park Maintenance Facilities, Cemetery Facility, Meadowlark Hills Golf Course Facility

Cost: N/A

Summary: When this program was established in 2008 we began with the facility evaluations occurring quarterly. As it has progressed we have found that our park facilities rarely change in operations and/or procedures used. Many of the evaluations were identical from quarter to quarter. Our park facilities were built with proper storage and pollutant reduction in mind. With many changes in park management and new facility construction for the South Parks we felt it was time to reevaluate this program and the potential for pollutant discharge from these facilities. At the end of the 2010 permit year the process began and will continue until completed into 2011. The process of reevaluating the facilities has been restructured. The process begins with a Hot Spot evaluation of all city owned facilities that are not included in the industrial permitting program operated by the State of Nebraska. The Hot Spot evaluations rates the facility for its potential to release pollutants based off a points system. If the facility falls under the Hot Spot criteria the City continues to target the employee's for educational information. If the facility exceeds the Hot Spot criteria a Maintenance Facility Runoff Control Plan Site Questionnaire is completed on the facility. This questionnaire will assist in the development or update to the facility runoff control plans that meet the Hot Spot criteria.

Each of the five facilities that operate under a runoff control plan conducted two site evaluations in the 2010 permit year. The second evaluation of the transportation facility was done under the new evaluation criteria using the Hot Spot and questionnaire. Obviously this facility will be the main focus of the pollution prevention good housekeeping program due to the many operations that take place there. An evaluation report was created on all areas that need immediate attention and areas that will require extensive planning and funding to update. This report was submitted to the facility manager for his review and direction to follow in addressing these issues. The remaining parks facilities will be conducting these new evaluation procedures in early 2011 in order to update all facility runoff control plans needed. It is the programs intent to bring the focus on the proper facilities that pose the greatest risk and avoid any unneeded inspection elsewhere and focus on overall education of the employees.

Overall, we hope to complete all facility Hot Spot evaluations and needed runoff control plan updates by the first scheduled semi-annual facility evaluations which are due to be complete in April of 2011.

Date of activity: 2/18/2010

Description: North Park Facility Inspection Walk Through

Title: Stormwater Program Manager Assisted Facility Evaluation

Cost: N/A

Summary: This facility evaluation was completed with the assistance of the Stormwater Program Manager. This was done to determine the effectiveness of prior inspections. As mentioned before our parks facilities were designed with many BMP in place. Only minor issues were discovered at the facility as a result of the inspection.

MCM 7: Wet Weather Monitoring

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

Start Date: 1/1/2010

End Date: 12/31/2010

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

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: 1/1/2010

End Date: 12/31/2010

BMP Description:

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

Date of activity: 4/14/2010, 8/5/2010, 10/10/2010

Description: Monitoring Event

Title: Grab sample monitoring event completed on the dates listed above

Cost: \$1766.00

Distribution: Three sampling events at three locations completed.

Summary: This permit year was a scheduled monitoring year. Monitoring events were completed following the outlined specification in the NER30000 permit as amended and approved by Will Myers in the letter received June 24, 2008. The amended requirements allow for only grab samples to be taken at each representative site, three times per year, representing commercial, residential and industrial land use areas. See Appendix D for all monitoring data results from the 2010 permit year.

APPENDIX A

2010 Summary of Nebraska H2O Website Activity

General Opinion Survey

1			2			3			4			5		
YES	NO	Don't Know	YES	NO	Don't know	YES	NO	Don't know	YES	NO	Don't Know	A	B	C
2010 Results														
230	414	43	573	97	17	226	445	13	223	20	459	505	186	9
33%	60%	6%	83%	14%	2%	33%	65%	2%	32%	3%	65%	72%	27%	1%
687			687			684			702			700		
2007 Results														
534	624	413	1033	302	238	136	1297	135	260	26	1280	976	504	87
34%	40%	26%	66%	19%	15%	9%	83%	9%	17%	2%	82%	62%	32%	6%
1571			1573			1568			1566			1567		

Vehicle Owners

Do you wash you vehicles at home?			Do you change fluids in you vehicles at home?			Do you recycle the fluids you change in you car?		
YES	NO		YES	NO		YES	NO	
2010 Results								
211	439		120	480		248	133	
32%	68%		20%	80%		65%	35%	
650			600			381		
2007 Results								
541	1018		255	1305		461	302	
35%	65%		16%	84%		60%	40%	
1559			1560			763		

Pet Owners

1. Do you pick up when walking your pet?			2. How are droppings of in your yard?		
Yes	No		A	B	C
2010 Results					
258	43		6	260	42
86%	14%		2%	84%	14%
301			308		
2007 Results					
513	139		14	621	145
79%	21%		2%	80%	19%
652			780		

Lawn and Garden

1. How do you dispose of lawn Clippings					2. How often does water run off property into street					3. How often do you use pesticides or fertilizer			
A	B	C	D	E	A	B	C	D		A	B	C	D
2010 Results													
330	53	79	220	28	56	255	246	49		307	7	232	58
46%	7%	11%	31%	4%	9%	42%	41%	8%		51%	1%	38%	10%
710					606					604			
2007 Results													
860	93	225	480	117	91	599	676	206		868	19	557	110
48%	5%	13%	27%	7%	6%	38%	43%	13%		56%	1%	36%	7%
1775					1572					1554			

2010 Survey Questions

1. Is the water that goes down the Storm Sewer inlet treated before being released into our rivers?
YES NO

2. Are Household generated pollutants a significant contributor to water pollution?
YES NO

3. Have you previously received information related to Storm Water Pollutants?
YES NO

4. Does your Community have a Storm Water Management Plan?
YES NO Don't Know

5. How would you rank the importance of eliminating Pollutants in Storm Water Runoff?
A. Very Important
B. Somewhat Important
C. Not Important

1. How do you dispose of lawn clippings?
A. Mulching mower
B. Mulch pile in own yard
C. Take to City composting site
D. Participate in the City pickup program
E. Other _____

2. How often does water run off of your property into the gutter or onto the Street?
A. Every time I water.
B. Only after a Rain.
C. Occasionally
D. Never

3. How often do you use pesticides or fertilizer?
A. Only seasonally- 4 times/year.
B. Weekly or Monthly
C. Sparingly (1 or 2 times a year)
D. Never

1. Do you pick up droppings when walking your Dog?
YES NO

2. How are droppings disposed of in your yard?
A. Droppings are picked up and flushed down toilet.
B. Droppings are picked up and put in trash.
C. Dropping are left in yard.

1. Do you wash your vehicles at home?
YES NO

2. Do you change fluids in your vehicles at home?
YES NO

3. Do you recycle the fluids you change in your vehicles?
YES NO

APPENDIX D

2010 Summary of Wet Weather Monitoring Activities

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
TV Public Service Announcement: Water quality impacts from urban stormwater	General public	Periodically	Continue
City Newsletter: Kearney Connection Article on stormwater quality and/or public participation events	General public	Once every permit year	Continue
Local newspaper: Add promoting Nebraska H2O	General public	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: Present for discussion Phase II Program at City Council Meeting	General public	Once every permit year. These meetings comply with the State and local public notice requirements.	As needed
Public Meeting: Discuss program-related items at Nebraska Storm Water Cooperative Meetings	General public	Regularly scheduled monthly 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.	Continue
Enforcement: Take appropriate action to abate pollutant source	City-wide, all sources	As necessary	Continue

BMP ACTIVITY	TARGET AUDIENCE	FREQUENCY	TO BE CONTINUED OR IMPLEMENTED BY
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 Storm Water Pollution Prevention Video	City staff	Offered once during permit cycle	Continue
Training: Spill Response	City staff	Offered once during permit cycle	Continue
Training: Facility Inspections	City staff	Offered once during permit cycle	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 storm water program manager.	Continue
Dry Weather Outfall Inspections: Complete dry weather outfall investigations. Evaluate any dry weather discharge for illicit discharge potential	City staff	This will be the initial outfall inspection and GPS location of the system. Yearly inspections will continue on a % basis in the following years.	Continue with the next 20% +/- outfall inspection
Enforcement: Take appropriate action to abate pollutant source	City-wide, all sources	As necessary	Continue

BMP ACTIVITY	TARGET AUDIENCE	FREQUENCY	TO BE CONTINUED OR IMPLEMENTED BY
Street Sweeping	City staff	Continually throughout city dependent on weather conditions. Record quantity of collected materials and miles swept.	Continue

APPENDIX F

Assessment to 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 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 additional activities included brochures/flyers, newspaper articles, the TV commercials and the continuation of Nebraska H2O.

Minimum Control Measure # 2: Public Participation & Involvement

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 included public meetings, and the Nebraska Outdoor Expo. The events gave us an opportunity to address a large number of individuals at an environmental minded event. During the next permit term we will focus on combining MCM's 1&2 for a cleared educational program.

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. This program will be ongoing into the next permit term. This year has also brought an additional program review that resulted in the new SOP manual.

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 included educational meetings, site evaluations with contractors, participation in public events sponsored by the development community, 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. This is due to the magnitude of this program and what it will mean to construction projects in the future.

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 implements systems and procedures to improve many of our operations.

Minimum Control Measure # 7: Storm Water 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 the program. The City of Kearney will be exploring options to this program in the next permit term.

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	bgrupe@kearneygov.org	308-233-3246
Permit Applicant	Representative's Email	Phone Number
Bruce Grupe	1919 15 th Ave.	308-233-3209
Representative's Name	Address	Fax Number
City Engineer	Kearney / NE	68845
Representative's Title	City/State	Zip Code
Representative's Signature / Date		

Stormwater Program Contact:

City of Kearney	aharter@kearneygov.org	308-233-3273
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Representative's Name	Address	Fax Number
Stormwater Program Manager	Kearney / NE	68845
Representative's Title	City/State	Zip Code
Representative's Signature / Date		