

*Kearney
Nebraska*

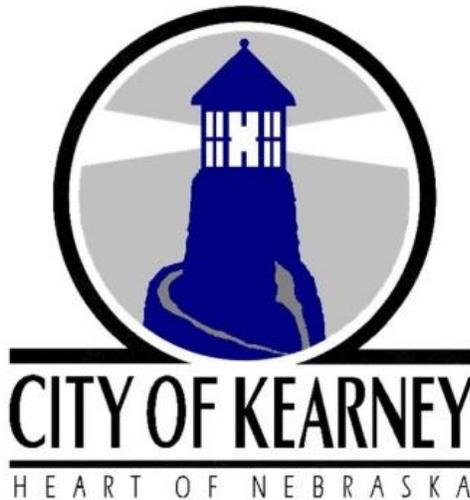


Phase II MS4 Annual Report for Permit Year Seven

**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: 01/01/12 through 12/31/12



Contents

Executive Summary	1A
.....	
Certification	2A
.....	
Permittee Information	3A
.....	
Status of Compliance with Permit Conditions	4A
.....	
Section 1	
2012 Program Activity Report	1-22
.....	
Appendix A	
2012 Summary of Nebraska H2O Web Site Activity	
.....	
Appendix B	
2012 Summary of Street Sweeping Activities	
.....	
Appendix C	
Summary of Continuing Activities until Permit Reissuance	
.....	
Appendix D	
Assessment to the Appropriateness of Selected BMP's	
.....	
Authorized Representative and Program Manager Signatures.....	

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.

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 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 any indication from the NDEQ if this will be excepted as is and approved or denied. We will continue to implement and operate previously established programs while on this extension and into the next permit term. 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: 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, 2013
Reporting Period: 1/1/12-12/31/12
Have any areas been added to the MS4 due to annexation or other legal means? **Yes**

Annexed Properties:

Commercial	27.51 Acres
Residential	50.67 Acres
Total for 2012	78.18 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: 1/1/2012 to 12/31/2012

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: 29,500 **Households:** 0 **Area (sq mi):** 13.4

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: 1/1/2012

End Date: 12/31/2012

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: KHGI/KWNB Education Campaign (NTV)

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

Cost: \$2000.00

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 4 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 100 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 100 TV commercials distributing our messages.

Date of activity: 4/20/2012

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

Title: Water Conservation Add

Cost: \$313.00

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 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: 1/1/12-04/31/12

Description: Billboard Advertising Campaign

Title: Multiple pollution prevention messages displayed

Cost: \$5,580.00 continuation from previous years campaign. Contract ran through April.

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

Description: Magnetic Billboards on 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: throughout spring, summer, and fall

Description: Public rain barrel display promoted to area residents.

Title: Public Works Office Rain Barrel Display

Cost: \$360.00

Delivered To: All General Population

Distribution: The display was promoted in the Kearney Hub, City website

Summary: The cities storm water program has promoted the idea of rain barrels in the past by means of fliers, website and presentations. This year we were looking for a more hands on and visual aid that area residents interested in rain barrels could see them in use. To do this we installed 4 different barrels at the public works facility. These barrels ranged from a homemade barrel and 3 price levels of a commercially purchased barrel. This gave individuals the opportunity to see some of the available possibilities that existed on the market and also show them the homemade options if they would like a DIY project. The amount of interest in the rain recycling concept seemed to greatly increase this year and we contribute that partly to the display project.

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 esthetical 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: Approximately \$3,352.00 throughout the year

Delivered To: All General Population

Distribution: 2500 items promoting the Nebraska H2O education program were distributed throughout this year. These items were distributed at the Nebraska Outdoors Expo, School Education Events and Inlet Marking events.

Approximately 1125 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 and the Utility Department.

BMP 2: Develop Public Service Announcements

Start Date: 1/1/2012

End Date: 12/31/2012

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: 4/2012

Description: City of Kearney, Press Release

Title: Earth Day announcement.

Cost: \$0

Delivered To: All General Population

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

Summary: Reminding citizens about the three R's – Reduce, Reuse, and Recycle. Also reminding individuals about the cities recycle programs and how much this reduces pollution and wastes sent to the landfill.

Date of activity: 4/2012

Description: City of Kearney, Press Release

Title: Educational announcement on reducing amount of grass clippings allowed entering storm sewer.

Cost: \$0

Delivered To: All General Population

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

Date of activity: 10/2012

Description: City of Kearney, Press Release

Title: Educational announcement on collection of leaves and free disposal.

Cost: \$0

Delivered To: All General Population

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

Summary: Release focused on the need to collect leaf off and the Cities mulching program, where citizens can dispose of yard wastes to be mulched at the city landfill and offered to the public for free.

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

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 storm water programs.

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.

A Household Awareness Survey was not completed this permit year.

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: 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. 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: 1/1/2012

End Date: 12/31/2012

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: 1/26/12

Description: Nebraska Stormwater Cooperative (NSWC) Meeting

Cost: \$0 – No direct cost

Delivered To: The NSWC consists of 10 phase II communities in Nebraska (Kearney, Grand Island, Lexington, Hastings, North Platte, Scotts Bluff, Columbus, Fremont, Beatrice 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: 3/1/12

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, Beatrice 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: 3/19/12

Description: Nebraska Storm water Cooperative (NSWC), City of Lincoln Storm water Team

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, Beatrice and Norfolk). The city of Lincoln was present to discuss sharing efforts and resources with the cooperative members.

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.

BMP 2: Participate/Sponsor Community Environmental Events

Start Date: 1/1/2012

End Date: 12/31/2012

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: 3/21/12

Description: Lincoln Post Construction Workshop

Cost: \$0 – No direct cost

Delivered To: Any

Summary: Attendance by the engineering staff at the post construction workshop put on by UNL Extension.

Date of activity: 5/10/12 – 5/11/12

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

Distribution: estimated 2000 students attended

Summary: The basic focus of the education seminar was on watersheds, how rainwater gets polluted, and 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 information, 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 encourage all area schools to participate. For this reason we continue to see more students attending from member phase II communities. Kearney, Lexington, and Grand Island 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.

With approximately 2000 teacher and students participating in the event this educational it was a great opportunity for the cooperative. Over the two days we distributed almost 1200 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 attended the two day event. The educational presentations were given throughout the event.

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 2011-2012	Monthly Average 2011-2012
Office Paper	44.5	3.7
Newspaper	1066.11	88.8
Aluminum	12.8	1.1
Tin	77.94	6.5
Glass	161.4	13.5
Plastics	190.5	15.9
Cardboard	1688.09	140.7
Total tons of recycled	3241.44	270.1
Total gallons of Motor Oil	8847	737.3
Recycling revenue	\$323,425.47	\$26,952.00
Landfill avoidance savings	\$89,139.60	\$7,428.00
Total value of recyclables	\$412,565.07	\$34,380.00
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 8800 gallons of oil alone being collected this year the success and value of this program is obvious.		

BMP 3: Develop a Storm Water Inlet Stenciling Program

Start Date: 1/1/2012

End Date: 12/31/2012

BMP Description:

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

Work performed for the BMP listed above

Date of activity: 2012

Description: Inlet Marking

Cost: N/A

Delivered To: City wide

Distribution: Approximately 25 replaced or added

Summary: With no volunteer groups asking for projects this year we did not have a significant event to report. Employees of the engineering department have emblems in their vehicles and add or replace them as they are found during inspection or maintenance on the system.

MCM 3: Illicit Discharge Detection and Elimination

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

Start Date: 1/1/2012

End Date: 12/31/2012

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: Minor reviews of the manual were completed during this term. At this point no additions or changes have been added to the manual.

Description: Illicit Discharge Hotline Calls

Cost: No direct cost besides wages

Summary: The following is a summary of the calls received during the 2011 permit term. To date all calls were addressed without need for enforcement measures.

Complaint ID #	Date	Received By	Location	Site Inspection	Resolved?
12-ID1	5/24/12	Dennis Burchell	16 th St. & 10 th Ave	yes	yes
12-ID2	6/5/2012	Development Services Dept	19 th St & 2 nd Ave	yes	yes
12-ID3	8/28/2012	Steven Burback	9 th Ave. & N. RR St	Yes	yes

The year only produced three reports. Two 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. The last IDDE case involved a cross connection that was removed from the system and directed to the sanitary sewer. During the year we also receive a small number of calls about oil leaking car, 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 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 Storm Water Outfalls

Start Date: 1/1/2012

End Date: 12/31/2012

BMP Description:

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

BMP 3: Mapping of Storm Sewer System

Start Date: 1/1/2012

End Date: 12/31/2012

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: 5/1/2012 - 12/1/2012

Description: Hired summer employee to complete all system mapping and update the GIS system.

Cost: wages for the six months employee worked

Area: All of Kearney Area

Summary: Intern Steven Burback was hired for the summer of 2012 with a goal of completing all of the unknown storm sewer system and confirming what has been completed to date by multiple sources. Steve was also charged with updating the GIS maps system with the collected information due to his GIS major background. During his employment with our department Steven was able to review all existing data collected, establish a map completion plan and locate all missing data using GPS technology. Once all of the system was collected we began checking existing data that may have been entered using older technology such as digitizing. During this time period to the best of our knowledge the system has been completed with the missing system areas. This location effort also allowed us to evaluate a large area of the system for condition and cross connections. Many areas requiring maintenance were discovered. These were given to the street maintenance department and cleaned as part of our annual maintenance program. Also discovered during this project was a cross connection from a local business. We contacted the business and worked with them to relocate the connection to the sanitary sewer system. At this time we feel that the collection of storm sewer features within our system have been updated to a complete collection. From this point on the maps of the system will be updated with new construction and/or unknown structures found.

Date of activity: 5/1/2012 – 12/1/2012

Description: Dry weather outfall evaluations

Cost: No direct cost besides wages

Area: City wide

Summary: In conjunction with the system mapping GIS mapping updates at any point when a pipe was terminated by outfall any conditions of disrepair, in need of maintenance or suspicious discharge were reported to the storm water program manager. In all cases it was simple cleaning of debris at the outfall locations. No illicit dischargers were recorded at outfall location during mapping efforts.

MCM: 4 Construction Site Storm Water Runoff Control

BMP 1: Develop a Erosion and Sediment Control Ordinance

Start Date: 1/1/2012

End Date: 12/31/2012

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 2012 permit year.

BMP 2: Develop Site Inspection/Plan Review Program

Start Date: 1/1/2012

End Date: 12/31/2012

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 2012, Kearney Public Works took part in the preliminary review of 26 site plans for projects exceeding one acre in size. Of those 26 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. Our Development Services department issued 117 building phase of development permits for small lot ESC requirements. In the end the City of Kearney helped 143 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 2012 public development projects:

Projects: 3 projects carried over from 2010 construction season

Preconstruction Meetings Held: 3
Inspections completed: 26 inspections were performed on city projects in 2012
Still Active Projects: 2
Closed Projects: 1

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 following projects, contact made if needed. 56th Street Estates, Cowpoke Development, Johnson Imperial Office Building, Schrock Chiropractic, Bel Air Fifth Sub, Eastbrooke 8th, Riverdale State Bank, Loper Suites, RYDE Transit Facility, Walmart Addition

Building Phase of Development inspections 9/26/2013
Thirteen developers were visited and projects evaluated.

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 storm water website and Nebraska H2O website

Cost: N/A

Delivered To: Construction Community

Distribution: N/A

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: 3/1/2012

Description: Development Services Newsletter

Title: City of Kearney Erosion and Sediment Control Seminars

Cost: 0

Delivered To: Construction Community

Distribution: 152 mailed

Summary: An article was placed in the March 2012 Development Services newsletter reminding contractors on the proper procedures to meet building phase of development storm water requirements.

Date of activity: Throughout Construction Season

Description: NPDES and Storm water BMP educational reminder (carpenter pencils)

Title: Educational Distribution

Delivered To: Construction Community

Distribution: 425

Summary: We are always looking for new ways to distribute quality educational materials to our local developers. This year I was looking for ideas that would be simple reminders for individuals in the construction industry to take care of their BMPs. 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: 10/1/12

Description: NPDES Construction Bulletin

Title: Construction BMP Maintenance

Delivered To: Construction Community

Distribution: 245 Distributed

Summary: The bulletin focused on the importance of maintaining site specific BMP for the duration of the project. In addition the bulletin focused on proper ways and BMP that are useful to dewater a construction site after a rain event.

Date of activity: 12/1/11

Description: Erosion Control for Inspectors

Title: Nebraska LTAP training announcement

Delivered To: Construction Community

Distribution: 240

Summary: The 2012 training schedule for erosion control was sent out to all construction contacts encouraging them to attend available training.

Additional BMP Notes:

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

Start Date: 1/1/2012

End Date: 12/31/2012

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 under the next permit term.

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

BMP 1: Develop a Post Construction Ordinance

Start Date: 1/1/2012

End Date: 12/31/2012

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

No additional tasks were performed under this task in the 2012 year.

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: 1/1/2012

End Date: 12/31/2012

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: Continually

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 2012 permit term 26 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 was due to be put into effect at the end of the first permit term. At this time we continue to research Post Construction strategies and avenues we will steer the future development of this program. The timelines for the new plan will be follow under the reissued permit and plan approval.

BMP 3: Develop Educational Materials for the Development Community

Start Date: 1/1/2012

End Date: 12/31/2012

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: 1/1/2012

End Date: 12/31/2012

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 – A Drop in the Bucket

Cost: \$0

Delivered To: Circulated to All Field Employees (approximately 105 employees)

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

Date of activity: 4/03/2012

Description: Letter to all department heads asking them to train all summer employees on proper maintenance practices

Cost: \$0

Delivered To: City Staff

Summary: A memo letter was sent to all department heads as they are currently hiring summer employees to help with maintenance activities. This reminder focused on properly informing the employees that steps must be taken to avoid contributing to waste allowed to enter the storm sewer systems. Yard wastes, trash and landscape debris must properly managed and not allowed to enter street where they can be carried to the system.

Date of activity: 4/25/12

Description: Spill Response Procedures review

Title: Summary of Spill Response at the Public Works Facility

Cost: 0

Delivered To: Public Works Employees (23)

Summary: Training brochure given to all department employees to review spill response procedures.

Date of activity: 7/12/2012

Description: Attendance at NeFSMA statewide conference

Title: NeFSMA Statewide Conference

Cost: \$90.00

Delivered To: Storm water Program Manager

Summary: Attended the NeFSMA annual conference. The City of Kearney was also an event sponsor. Our program is continuously looking for ways to partner with other organizations on different areas of the program and this was one way to discuss collaborative efforts statewide.

Date of activity: 10/2012

Description: Compass Com AVL system training

Title: Training on newly installed AVL's used to track salt spreader operation

Cost: \$1914.16

Delivered To: Public Works Administration (6)

Summary: A pilot project is being conducted that will update the outdated tracking systems. We are currently testing the system on two plow trucks to see how it operates and tracks plow operations and deicing material output. If the system proves to be a useful system it will be integrated into sweeper and storm sewer cleaning operations.

Date of activity: 11/14/2012

Description: PermiTrack software presentation

Title: Program tracking software

Cost: \$0

Delivered To: NSWC members

Summary: With new programing available to track NPDES compliance for cities we have some interest in updating our tracking software. PermiTrack software presented an option for this to the NSWC group.

BMP 2: Evaluate Street Cleaning

Start Date: 1/1/2012

End Date: 12/31/2012

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: \$34,743.81 equipment operation cost. No wage added to figure.

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

Route Events Performed: 197 % of completed routes: 100

Estimated cu/yds of material collected 2012: 2183 cu/yds

Comparison of collected material since tracked: 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. 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 were within 40 hours during the 2011 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.

Date of activity: During Sweeper and VacCon operations

Description: Sweeper and VacCon dewatering and storage system

Cost: Completed in 2012 and paid for out of 2011 budget. Minimal operational cost this year.

Summary: When the stormwater programs were initiated in Kearney common practice for cleaning out large equipment like sweepers and VacCon's was done by washing outside, which eventually allowed the washout to enter the storm sewer system. It was not hard to see that this practice was probably our biggest over site and contribution to operational pollutants. Since the construction of this washout/separation facility we have eliminated the contribution of pollutant to our local water bodies from these operations. With over 2000 cubic/yards of sweeper material collected each year resulting in daily equipment washout and countless cubic/yards and gallons of material removed from storm sewer system during VacCon operations we feel the investment in this system was well worth it. This system directly reduces pollutant discharge, manages waste material, and provides the proper O&M for the collection and disposal during sweeping and VacCon operations.

BMP 3: Evaluate Municipal Operations

Start Date: 1/1/2012

End Date: 12/31/2012

BMP Description:

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

Date of activity: 7/9/2012

Description: Runoff Control Plan Updates for all Hotspot Facilities

Title: RCP update

Cost: N/A

Summary: The original facility Runoff Control Plans were developed in 2007 for all facilities without industrial permitting requirements. Originally, plans were developed for facilities that did any

equipment maintenance or utilized/stored chemicals for daily operations. These plans were operational for the first permit term. It was planned to update the plans under the new permit and SWMP. It was determined that these plans were due to be updated last year in preparation for the new permit and SWMP once they are issued. Hotspot evaluations were conducted on all facilities which determined the facilities that had the potential of a higher risk of disposing of pollutants from operations. The city maintains four main park facilities where operation/maintenance for smaller park systems are based out of. However, all park operations will follow the RCP operations. Also updated was the Public Works facility RCP.

Date of activity: 9/4/2012

Description: Runoff Control Plan Update Training

Title: Park and Recreation Facility Managers RCP updates training

Cost: N/A

Summary: Facility managers from the park and recreation department were trained on the RCP updates and the responsibilities they may have to the plans. Eight facility managers along with the department director and assistant director were present. Details were given on how the plan has changed and the biggest changes to the plan. Also presented were the new facility evaluation timelines and at what points during the year they needed to be completed.

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: With new RCP updates facility evaluations will now be conducted on a semi annual basis.

MCM 7: Wet Weather Monitoring

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

Start Date: 1/1/2012

End Date: 12/31/2012

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: 1/1/2012

End Date: 12/31/2012

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

2012 Summary of Nebraska H2O Website Activity

APPENDIX B

2012 Summary of Street Sweeping Activities

APPENDIX C

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 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.	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: Continue 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 D

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 we feel 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 we feel 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.

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
Permit Applicant	Representative's Email	Phone Number
Andrew Harter	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		