

*Kearney
Nebraska*

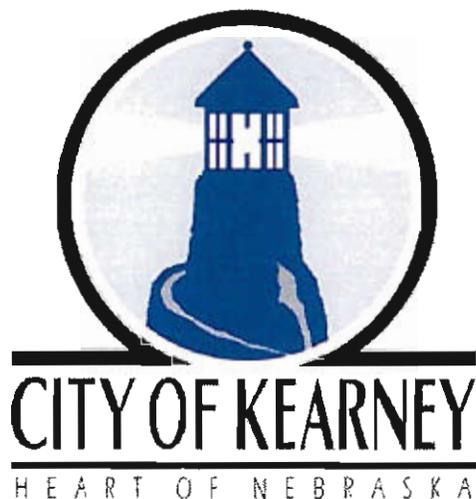


Phase II MS4 Annual Report for Permit Year Six

**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: 01/01/11 through 12/31/11



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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.

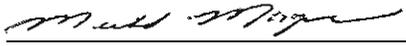
This annual compliance evaluation report fulfills the MS4 permit requirement to assess compliance with permit conditions, appropriateness of BMPs, and progress towards statutory goals of the permit and Measurable Goals established for each MCM. The attached report presents the results of this assessment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

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.

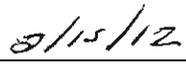
At the time of this report the City of Kearney is not aware of the timeline for permit renewal the NDEQ has set. Our organization is under the impression that we remain on administrative extension under our current permit. It is our intent to operate under our current permit and established plan BMPs. 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, 2011
Reporting Period: 1/1/11-12/31/11
Have any areas been added to the MS4 due to annexation or other legal means? **Yes**

Annexed Properties:

Commercial	20.71 Acres
Residential	19.51 Acres
Total for 2010	40.22 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: 1/1/2010 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 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):** 12.5

Official Website: www.cityofkearney.org and www.Nebraskah2o.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: 1/1/2011

End Date: 12/31/2011

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: 2/9/11

Description: Teach Stormwater educational class to Glenwood Elementary School students.

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

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

Delivered To: Elementary School Students

Distribution: Five instructors and 70 students present for the session

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. All students were able to watch the enviroscape model and then try it for themselves. Many teachers that have brought this program to their students show support for it and the popularity continues to grow.

Date of activity: 3/15/11

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 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 over 188 spots aired at high viewing times. The 188 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, greatly increasing the amount of 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: 3/15/11

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.

Date of activity: 4/7/10

Description: KHGI/KWNB Education Campaign (NTV)

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

Cost: \$6780.00

Delivered To: All General Population

Distribution: With a population base of over 500,000 in the viewing area and over 450 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: 4/22/11

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

Title: The Solution to Stormwater Pollution

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 stormwater runoff and pollution prevention. The focus of this ad was earth friendly landscaping.

Date of activity: 1/1/11-12/31/11

Description: Billboard Advertising Campaign

Title: Multiple pollution prevention messages displayed

Cost: \$5,580.00

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: 1/1/11-12/31/11

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: 5/5/11

Description: Public rain barrel display promoted to area residents.

Title: Public Works Office Rain Barrel Display

Cost: \$600.00

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: 6/22/11

Description: Kearney Hub, Rain barrel article

Title: Rain barrels save water, cut runoff pollution

Cost: \$0

Delivered To: All General Population

Distribution: Kearney Hub Distribution Averages 13,500

Summary: Interview and article featuring the benefit to rain barrels and the cities rain barrel display located at the public works facility.

Date of activity: 9/3/11

Description: Kearney Hub, Rain garden article and workshop announcement

Title: N/A

Cost: \$0

Delivered To: All General Population

Distribution: Kearney Hub Distribution Averages 13,500

Summary: Article describing the uses and benefits to a rain garden installation. This article also announced the upcoming workshop and installation being put on by the City of Kearney and UNL Extension.

Date of activity: 10/13/11

Description: Rain garden workshop and installation

Title: Kearney Rain Garden Train and Display Installation

Cost: \$2,200.00 a combination of workshop, plants and supplies

Delivered To: Site available to general population, 24 attended the workshop

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. Attendees learned how to properly design and build a rain garden and were then invited to help install a working garden at the public works facility. Presenters of the workshop were landscape architect Steve Rodie for UNL Extension; Katie Pekarek with UNL Extension; and UNL graduate assistant, Andy Szatko. Although the installation of the garden was cut short due to weather the program was very well received and now there is an operating garden in Kearney that individuals can come and see. 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: 1/1/2010

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: 9/16/2011

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.

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: 1/1/11-12/31/11

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. The Nebraska H2O website was completely updated with a new look and structure. The new software used to produce the site will allow each city to update the site with new information about our programs and happenings related to storm water. 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.

Summary: Management of this system was switched early in the permit year. It went unnoticed that stormwater related complaints were not being specifically marked. Because of this we were unable to determine exactly how many were received this year. However, there was no major complaint investigation on record which would indicate only minor issue calls being received. This would include track-out and trash complaints. These cases are handled immediately with site visits.

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: 1/1/2011

End Date: 12/31/2011

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: 3/26/11

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: 5/18/11 – 5/19/11

Description: Nebraska H2O Stream Bioassessment Workshop

Cost: \$1,684.50

Delivered To: The Central Plains Center for BioAssessments based at the University of Kansas
13 Municipal Separate Storm Sewer Systems (MS4)

8 Natural Resource Districts with MS4s in their boundary

United States Geological Survey

United States Department of Agriculture - Natural Resource Conservation Service

University of Nebraska Extension – Stormwater Team and Water Center

University of Nebraska – Integrative Graduate Education and Research Traineeship Program

Workshop Announcement Summary: For many of you, this could be your first exposure to measuring stream health, others are more knowledgeable. The Clean Water Act Section 101(a) states the policy intends to "restore and maintain the chemical, physical and biological integrity of the Nations waters." This workshop will focus on bioassessment methods used to measure chemical, physical, and biological integrity of waters in the State of Nebraska. There will be presentations, active discussions, field exercises, and development of an action strategy outline for municipalities and resource agencies that may want to consider bioassessments as an alternative way of measuring watershed health and effective compliance with NPDES Permit requirements or Integrated Resource Management Planning efforts. There is groundwork that has to be laid for this approach to be successful in Nebraska. It's likely you will be a part of that effort that starts with this workshop. This workshop turned out to be a great success in the understanding of ways we could assess our current programs using different methods that may show more accurate result of what our actual impact is. Many that attended the workshop expressed how informative it was. This workshop was sponsored by the NE H2O group, original project implementation was done by the City of Grand Island. The City of Kearney also participated as a funding source for the event.

Date of activity: 8/12/11

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: 11/30/11

Description: Nebraska Stormwater Cooperative (NSWC), City of Lincoln Stormwater 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: 1/1/2011

End Date: 12/31/2011

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: 4/20/11

Description: Nebraska Statewide Stormwater Round Table

Cost: \$0 – No direct cost

Delivered To: NeFSMA membership or anyone interested in topic

Summary: Attended the NeFSMA roundtable to participate in statewide discussion of stormwater topics that have a direct effect on all communities under NPDES regulation. Main topics of discussion included statewide educational efforts (Pat Sauer, Iowa Association of Municipal Utilities) UNL (Kelly Feehan) and multiple member community presentations.

Date of activity: 5/12/11 – 5/15/11

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, 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.

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 1438 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: 9/10/11 and 9/17/11

Description: Girl Scouts of America education event and material distribution at the Mall

Cost: \$300

Delivered To: Leaders for the Girl Scout troops in Kearney took the time to learn about stormwater pollution so they could instruct their members prior to distributing information at the mall. See Summary.

Summary: September 10, 2011 one local girl scout troop was educated on storm water pollution by their leaders. This group has in the past been educated by the Kearney Storm water Management program and then participated in inlet marking events.

This time the leaders used the cities enviroscape and educational posters to familiarize the girls with polluted runoff and teach them about potential pollutants and ways to promote this. The city helped prepare the leaders for the education and provide all of the educational tools to use. 15 girls were present to do the education information session. This session was done so the girls could participate in the Hill Top Mall event that informed mall goers on environmental issues to be held the following week.

September 17, 2011 the Girl Scout troop distributed storm water pollution prevention information at the mall. During this time the scouts distributed approximately 1500 brochures and 250 water bottles that carried the Nebraska H2O web address. Citizens were also encouraged to visit the site for more information. Also available was the City of Kearney's display board that carries a vast amount of information related to storm water pollution prevention and water harvesting. The city was not able to be present for the event but was informed that the troop did an excellent job in distributing information and trying to get local citizens to show interest in pollution prevention.

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 2010-2011	Monthly Average 2010-2011
Office Paper	49.2	4.1
Newspaper	1164.3	97
Aluminum	11.5	.96
Tin	86.7	7.2

Glass	114.9	9.6
Plastics	167.3	13.9
Cardboard	1693	141.1
Total tons of recycled	3286.9	273.9
Total gallons of Motor Oil	7975	664.6
Recycling revenue	\$347,235	\$28,936
Landfill avoidance savings	\$90,390	\$7,532
Total value of recyclables	\$437,625	\$36,469

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 almost 8000 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: 1/1/2011

End Date: 12/31/2011

BMP Description:

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

Work performed for the BMP listed above

Date of activity: The months of September and October

Description: Inlet Marking for Eagle Scout Project (Scout, Christopher Snider)

Cost: \$1000.00

Delivered To: North Central and North East Kearney Area

Distribution: Approximately 488 Inlets Marked and Countless Educational Door Hangers Distributed

Summary: Eagle Scout prospect Christopher Snider coordinated and executed the largest storm drain marking event in the North Central/North East 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 488 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.

Chris 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: 1/1/2011

End Date: 12/31/2011

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?
11-ID1	2/17/2011	Roger Petersen	31 st and 2 nd Ave	yes	yes
11-ID2	2/24/2011	Andy Harter	2623 Central Ave.	yes	yes

The year only produced two 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 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: 1/1/2011

End Date: 12/31/2011

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: 3/23/11 – 4/6/11

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 eight of the thirteen segment walks during dry

conditions. A total of 63 outfall locations have been located 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: 1/1/2011

End Date: 12/31/2011

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: 2011

Description: Collection in conjunction with Outfall Reconnaissance Inventory (ORI)

Cost: N/A

Area: SW & NW Kearney Area

Summary: As a part of the ORI collections being and stream segment walks being completed features were being collected on the drainage system. A majority of these features were parts of the system that were unknown or missed in the original creation of the system. When looking at the overall storm sewer maps they contain a great majority of the existing system. However, we have discovered that some of the smaller systems in areas have been overlooked or missed. The best way to address these holes is to evaluate the systems from the outfalls found during a stream segment walk. It is for this reason that during the ORI we have been initially collecting all pipe sizes. At a later date the dry weather outfall investigation will be narrowed down to major system outfall inspections. The continued efforts to fill in gaps in our overall system map will continue in conjunction with the outfall reconnaissance inventory efforts.

Date of activity: 4/14/11

Description: Updates to the GIS mapping operating system

Cost: \$1,350.00

Area: N/A

Summary: As a part of continued program improvements the Public Works Department upgraded the ERSI GIS software to allow internal updates to the storm sewer system maps. Our intent is to streamline the input process during the collection efforts.

MCM: 4 Construction Site Storm Water Runoff Control

BMP 1: Develop a Erosion and Sediment Control Ordinance

Start Date: 1/1/2011

End Date: 12/31/2011

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 2011 permit year.

BMP 2: Develop Site Inspection/Plan Review Program

Start Date: 1/1/2011

End Date: 12/31/2011

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 2011, Kearney Public Works took part in the preliminary review of 11 site plans for projects exceeding one acre in size. Of those 11 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. In the end the City of Kearney reviewed 65+ project developments including commercial, multifamily and single-family development to determine their NPDES responsibilities.

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. 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 one case there were no issues with getting the problem resolved.

That site required full SWPPP evaluation. A full plan checklist was complete on the projects and Out-of-Compliance letters issued to the projects permit applicant or Responsible Party. We have had issues in the past with this developer. The developer did attempt some BMP installations on the project and sodded some disturbed areas in an effort to reduce runoff. Minimal work was done towards esc. We continue to work with this developer on NPDES issues.

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 2011 public development projects:

Projects: 3 projects carried over from 2010 construction season

Preconstruction Meetings Held: 3

Inspections completed: 10 inspections were performed on city projects in 2011

Still Active Projects: 0

Closed Projects: 3

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: 2/16/11 Good Samaritan Hospital, 2/16/11 KPS – 2 Unit School, 2/16/11 KPS - Meadowlark School, 2/16/11 KPS – 3 Unit School, 2/16/11 Bryant School, 5/4/11 Bryant School, 6/8/11 Kearney Regional Medical Center, 6/17/11 KPS – Park School Inspection, 6/22/11 Fountain Hills Subdivision, 7/22/11 3010 8th Ave. site meeting, 9/1/11 Central Ave., 10/21/11 Buffalo Hills School sit meeting,

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: 4/5/11

Description: Training programs on ESC presented to developers, builders and trade contractors

Title: City of Kearney Erosion and Sediment Control Seminars

Cost: \$2,300.00

Delivered To: Construction Community

Distribution: 23 members present

Summary: Two sessions were held to train Developers, Builders and Trade Contractors. The morning session was focused towards the developers/builders. Instruction was focused on how to comply with the City of Kearney ordinance as well as what is expected from the EPA and NDEQ for project compliance. The afternoon session was focused more towards trade contractors. Topics of the training was instruction on how to meet their jobsite obligations to stay in compliance with the City of Kearney ordinance as well as learn what is expected of them from the developer and homebuilders. We have seen multiple issues in the past due to delivery drivers, electrical and plumbing contractors among others. Our goal was to bring some of these issues to light and create discussion on how to prevent issues that could cause a project to become out of compliance with their storm water requirements.

Date of activity: 5/10/11

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

Title: Educational Distribution

Delivered To: Construction Community

Distribution: 350

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: 12/1/11

Description: NPDES Construction Bulletin

Title: SWPPP Revisions

Delivered To: Construction Community

Distribution: 240

Summary: The bulletin focused on the importance of updating your SWPPP at the project progresses through the construction phases. Also being aware on how BMPs perform so that you can update and maintain them as needed. As an additional topic the bulletin discussed inlet protection devices and the proper uses for them based on location of the structure. Not all inlet protection is the same and being aware of proper uses of them will make them as effective as possible.

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: 1/1/2011

End Date: 12/31/2011

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.

Date of activity: 10/25/11

Description: Omaha ESC Design Manual Update

Title: Advisory meeting with the Omaha stakeholders on new design manual for construction and post construction standards.

Delivered To: Development Stakeholders

Distribution: N/A, attended as a participant and representative of NE H2O

Summary: The City of Omaha invited us and the City of Scottsbluff to attend the first planning meeting for the upcoming changes to the construction and post construction manuals. I feel this

meeting was very beneficial in allowing us to see where the phase I communities were heading with their programs. They have also encouraged us to use whatever portions of the manual we would like to for our programs.

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

BMP 1: Develop a Post Construction Ordinance

Start Date: 1/1/2011

End Date: 12/31/2011

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: 10/25/11

Description: Omaha ESC Design Manual Update

Title: Advisory meeting with the Omaha stakeholders on new design manual for construction and post construction standards.

Delivered To: Development Stakeholders

Distribution: N/A, attended as a participant and representative of NE H2O

Summary: The City of Omaha invited us and the City of Scottsbluff to attend the first planning meeting for the upcoming changes to the construction and post construction manuals. I feel this meeting was very beneficial in allowing us to see where the phase I communities were heading with their programs. They have also encouraged us to use whatever portions of the manual we would like to for our programs.

No additional tasks were performed under this task in the 2011 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: 1/1/2011

End Date: 12/31/2011

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 2011 permit term 11 developments were reviewed.

BMP 3: Develop Educational Materials for the Development Community

Start Date: 1/1/2011

End Date: 12/31/2011

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: 1/1/2011

End Date: 12/31/2011

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: 3/24/2011

Description: Street Sweeper Training

Title: Elgin Sweeper Operator Training

Cost: \$0

Delivered To: Two City of Kearney sweeper operators attended the one day training

Summary: Two of the cities sweeper operators attended a training session on Elgin sweeper operations and efficiency. The operators were sent to help them keep up on the latest equipment and ways to operate them in the most effective and efficient manner.

Date of activity: 4/20/2011

Description: Roundtable discussion on statewide storm water efforts and partnership opportunities

Title: Nebraska Statewide Storm water Round Table

Cost: \$1000.00

Delivered To: Storm water Program Manager attended and Public Works Engineering Tech

Summary: Two individuals involved with the storm water programs attended the NeFSMA statewide round table. 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: 4/27/2011

Description: Good housekeeping webinar

Title: Tom Liptans' Good Housekeeping webinar sponsored by UNL Extension

Cost: \$0

Delivered To: 22 city parks and public works employees

Summary: A webinar was presented to 22 of our city employees that work in the field daily and are most likely to experience the need for good housekeeping practices. Tom Liptan presented topics focusing on preventing and reducing stormwater pollution from activities such as park and open space maintenance, new construction and land disturbances, and other municipal operations. Additionally, controls for reducing or eliminating discharges from streets, roads, and municipal parking lots.

Date of activity: 4/29/11

Description: ESC Inspection Training

Title: Erosion & Sediment Control for Inspectors Training

Cost: \$190.00

Delivered To: One city inspector sent and the Public Works Engineering Technician (2)

Summary: Two city employees were sent to the NE-LTAP erosion & sediment control training and certification course. Both individuals are now certified ESC inspectors under the NDOR developed training course. Our city inspectors evaluate small lot developments during construction and the Engineering Tech. assists in larger project inspections.

Date of activity: 8/8/11

Description: Informational session on watershed planning presented to the PII communities

Title: Watershed planning presentation and training

Cost: \$0

Delivered To: Stormwater Program Manager

Summary: This program was attended by the Stormwater Program Manager to learn more about the future ideas of overall watershed planning. The presentation was put on by a consultant that has assisted larger phase I communities with overall watershed planning and was very informative on what direction other communities are heading. This was an opportunity to look at future options when it comes to program planning as a whole.

Date of activity: 9/12/11

Description: Meeting with City Manager on proposed SWMP submittal

Cost: \$0

Delivered To: City Manager, City Engineer

Summary: A meeting was held with the City Manager and City Engineer to bring them up to speed on the newly proposed Storm Water Management Plan SWMP that was submitted to the state for their review and approval beginning January 1, 2012. With the City Managers approval the plan was submitted to the state NDEQ. The City of Kearney is still waiting on a response from the NDEQ on the plan.

BMP 2: Evaluate Street Cleaning

Start Date: 1/1/2011

End Date: 12/31/2011

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: 141 % of completed routes: 100

Estimated cu/yds of material collected 2011: 1843 cu/yds

Comparison of collected material since tracked: 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: Project has been in planning for the last four permit years.

Description: Sweeper and VacCon dewatering and storage system

Cost: \$137,728.00 total project cost. \$34,426.08 spent on project as of December 31st, 2011

Summary: Almost five years ago the city began evaluating internal operations within each department. Overall processes in the city are done in an environmentally friendly nature and a non-careless manner. When looking at all operation one area stood out and needed improvement. This was how we managed the process of sweeper material storage and disposal. At that time a containment pit was being utilize for the material and sweepers washed out on the exterior concrete pad of the building. This however did allow discharge to the storm sewer in the event of heavy rain and small amounts from the washing operations. Small BMP's were put into place as inlet protection but the results were not up to the standards we wanted to see. This is when the idea of a dedicated system to address these issues came to life. The last four years has consisted of planning how to

fund the project, design and approvals from NDEQ and city officials. The project was approved for construction and portions of the funding approved using LB1226 grant funding this permit term. Construction has begun and the project is coming to life. It is anticipated that the project will be completed by May of 2012 and in full operation to address any pollutants collected by the sweepers and storm sewer vac. We feel that city operation wide this project addresses our biggest area of concern and/or probable discharge risk.

BMP 3: Evaluate Municipal Operations

Start Date: 1/1/2011

End Date: 12/31/2011

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: 17 park facilities evaluated that were not completed in 2010

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.

Of the 17 park facilities evaluated in early 2011 two indicated a facility runoff control plan should be implemented. These two facilities currently have a plan in place and will be completing semiannual inspections in 2012. Five facilities indicated targeting education and a policy could be considered. Ten facilities indicated that targeting education should be utilized. Education for all park employees will be continued.

It has been determined that the following city facilities will operate under a Facility Runoff Control Plan (FRCP) in future permit years: Public Works Facility, Park Maintenance Building, Yanney Park Maintenance Building, Meadowlark Hills Golf Course and the Kearney Cemetery.

As this program has matured it has always been the plan to reevaluate portions of it on a permit term basis. The next step in this program will be to update the facility FRCP's in the 2012 permit year. This will include operational BMP's, semi-annual facility evaluation assessments and training. We have determined that the assessments need to be constructed in a more user friendly manner and that will be a major goal when moving forward with this project.

Date of activity: 4/11/11 – 4/15/11

Description: Park facility inspections

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

Cost: N/A

Summary: This facility evaluation was completed by the facility managers. 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: 1/1/2011

End Date: 12/31/2011

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.

Date of activity: 5/18/11 – 5/19/11

Description: Nebraska H2O Stream Bioassessment Workshop

Cost: \$1,684.50

Delivered To: The Central Plains Center for BioAssessments based at the University of Kansas
13 Municipal Separate Storm Sewer Systems (MS4)

8 Natural Resource Districts with MS4s in their boundary

United States Geological Survey

United States Department of Agriculture - Natural Resource Conservation Service

University of Nebraska Extension – Stormwater Team and Water Center

University of Nebraska – Integrative Graduate Education and Research Traineeship Program

Workshop Announcement Summary: For many of you, this could be your first exposure to measuring **stream health**, others are more knowledgeable. The Clean Water Act Section 101(a) states the policy intends to “restore and maintain the **chemical, physical and biological integrity** of the Nations waters.” This workshop will focus on **bioassessment methods** used to measure chemical, physical, and biological integrity of waters in the State of Nebraska. There will be presentations, active discussions, field exercises, and development of an action strategy outline for municipalities and resource agencies that may want to consider bioassessments as an alternative way of measuring watershed health and effective compliance with **NPDES Permit requirements** or **Integrated Resource Management Planning** efforts. There is groundwork that has to be laid for this approach to be successful in Nebraska. It's likely you will be a part of that effort that starts with this workshop.

This workshop turned out to be a great success in the understanding of ways we could assess our current programs using different methods that may show more accurate result of what our actual impact is. Many that attended the workshop expressed how informative it was. This workshop was sponsored by the NE H2O group, original project implementation was done by the City of Grand Island. The City of Kearney also participated as a funding source for the event.

BMP 2: BMP Assessment Monitoring

Start Date: 1/1/2011

End Date: 12/31/2011

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

2011 Summary of Nebraska H2O Website Activity

Dashboard

Nebraska H20

Jetpack

WordPress 3.3.1 is available! Please update now.

Help

Site Stats

Nebraska H20 (Dashboard)

Stats for January 31, 2012, 10:55 am

[Return to Stats](#)

Posts

All Posts

Add New

Categories

Post Tags

Media

Links

Pages

Comments

Featured

Testimonials

Portfolio

Videos

Forms 1

Appearance

Themes

Widgets

Menus

Theme Options

Editor

Months and Years

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
2011							961	447	262	412	346	238
2012												

Average per Day

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	O
2011							31	14	9	13	12	8	
2012													

Recent Weeks

	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Total	Average	Chan
Dec 26				Dec 24	Dec 30	Dec 31	Jan 1			
2	15	3	2	3	0	6	31	4		
Jan 3				Jan 5	Jan 6	Jan 7	Jan 8			
3	2	14	4	9	2	0	34	5	+9.68%	

Thank you for creating with WordPress • Documentation • Freedoms • Feedback • Credits

Get Version 3.3.1

Plugins #	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Total	Average	Chan
Users	Jan 10	Jan 10	Jan 11	Jan 12	Jan 13	Jan 14	Jan 15			
Tools	12	5	9	10	8	2	0	46	7	+35.29%
Settings	Jan 16	Jan 17	Jan 18	Jan 19	Jan 20	Jan 21	Jan 22			
Collapse menu	4	14	24	13	22	4	3	84	12	+82.61%
	Jan 23	Jan 24	Jan 25	Jan 26	Jan 27	Jan 28	Jan 29			
	17	19	28	7	4	2	5	82	12	-2.38%
	Jan 30	Jan 31								
	9	9						18	9	-23.17%

About the math

If you try to verify our computations using the numbers in these tables you might get different results. The logic is explained here.

An average is the sum of views divided by the number of days.

We exclude days prior to the first recorded view and future days.

Today (Jan 31) is excluded from averages because it isn't over yet.

Yearly averages are computed from sums, not an average of monthly averages.

Averages are rounded to the nearest integer for display.

Gray zeroes are exactly zero. Black zeroes have been rounded down.

Percent change is computed from weekly averages before they are rounded.

Overview of the Street Sweeping program

Start Date: 1/1/2011

End Date: 1/1/2012

Total Debris Collected:

1,843

North West

4/4/2011	Not Applicable	10.00
5/18/2011	Not Applicable	4.00
7/27/2011	Not Applicable	5.00
7/28/2011	Not Applicable	7.00
8/26/2011	Not Applicable	6.00
8/31/2011	Not Applicable	4.00
9/6/2011	Not Applicable	12.00
9/14/2011	Not Applicable	5.00
10/6/2011	Not Applicable	0.00
10/7/2011	Not Applicable	35.00
10/20/2011	Not Applicable	12.00
10/21/2011	Not Applicable	5.00
10/26/2011	Not Applicable	25.00
10/27/2011	Not Applicable	30.00
10/31/2011	Not Applicable	5.00
11/1/2011	Not Applicable	20.00
11/1/2011	Not Applicable	30.00
11/3/2011	Not Applicable	30.00
11/4/2011	Not Applicable	15.00
11/7/2011	Not Applicable	26.00
11/8/2011	Not Applicable	15.00
11/9/2011	Not Applicable	26.00
11/23/2011	Not Applicable	15.00

Total Debris Collected: 342.00

Downtown Areas

3/18/2011	Not Applicable	3.00
3/19/2011	Not Applicable	1.00
3/21/2011	Not Applicable	15.00
4/13/2011	Not Applicable	4.00
5/12/2011	Not Applicable	12.00
6/9/2011	Not Applicable	12.00
6/23/2011	Not Applicable	15.00
7/21/2011	Not Applicable	8.00
8/4/2011	Not Applicable	4.00
8/11/2011	Not Applicable	8.00
8/25/2011	Not Applicable	10.00
9/8/2011	Not Applicable	15.00
9/15/2011	Not Applicable	5.00
10/13/2011	Not Applicable	8.00

Overview of the Street Sweeping program

Start Date: 1/1/2011

End Date: 1/1/2012

Total Debris Collected:

1,843

			Total Debris Collected:	120.00
39th Street				
	2/22/2011	Not Applicable		6.00
	3/17/2011	Not Applicable		6.00
	4/21/2011	Not Applicable		6.00
	5/23/2011	Not Applicable		6.00
	7/26/2011	Not Applicable		8.00
	8/2/2011	Not Applicable		4.00
			Total Debris Collected:	36.00
north east				
	11/16/2011	Not Applicable		15.00
	11/17/2011	Not Applicable		20.00
	11/21/2011	Not Applicable		5.00
			Total Debris Collected:	40.00
2nd Avenue				
	2/17/2011	Not Applicable		15.00
	2/17/2011	Not Applicable		15.00
	2/18/2011	Not Applicable		25.00
	3/11/2011	Not Applicable		7.00
	3/21/2011	Not Applicable		8.00
	3/22/2011	Not Applicable		5.00
	3/31/2011	Not Applicable		7.00
	4/4/2011	Not Applicable		6.00
	4/5/2011	Not Applicable		8.00
	4/7/2011	Not Applicable		6.00
	5/3/2011	Not Applicable		5.00
	6/1/2011	Not Applicable		6.00
	6/14/2011	Not Applicable		6.00
	6/27/2011	Not Applicable		0.00
	7/12/2011	Not Applicable		16.00
	7/25/2011	Not Applicable		5.00
	8/2/2011	Not Applicable		3.00
	8/12/2011	Not Applicable		5.00
	8/31/2011	Not Applicable		4.00
	9/9/2011	Not Applicable		12.00
	9/19/2011	Not Applicable		7.00
	9/21/2011	Not Applicable		3.00
	9/29/2011	Not Applicable		10.00
	10/5/2011	Not Applicable		2.00
	10/11/2011	Not Applicable		8.00

Overview of the Street Sweeping program

Start Date: 1/1/2011 End Date: 1/1/2012
 Total Debris Collected: 1,843

	10/14/2011	Not Applicable	6.00
	10/28/2011	Not Applicable	5.00
	11/30/2011	Not Applicable	3.00
	12/20/2011	Not Applicable	4.00
			Total Debris Collected:
			212.00
56th Street			
	6/22/2011	Not Applicable	12.00
	9/16/2011	Not Applicable	6.00
			Total Debris Collected:
			18.00
South East			
	3/15/2011	Not Applicable	15.00
	3/16/2011	Not Applicable	15.00
	3/18/2011	Not Applicable	15.00
	3/21/2011	Not Applicable	15.00
	4/14/2011	Not Applicable	9.00
	4/26/2011	Not Applicable	10.00
	4/28/2011	Not Applicable	12.00
	5/2/2011	Not Applicable	7.00
	5/16/2011	Not Applicable	3.00
	5/17/2011	Not Applicable	6.00
	6/1/2011	Not Applicable	12.00
	6/6/2011	Not Applicable	12.00
	8/16/2011	Not Applicable	12.00
	9/1/2011	Not Applicable	8.00
	9/20/2011	Not Applicable	20.00
	9/27/2011	Not Applicable	8.00
	9/28/2011	Not Applicable	17.00
	10/10/2011	Not Applicable	10.00
	10/12/2011	Not Applicable	10.00
	10/24/2011	Not Applicable	15.00
	10/31/2011	Not Applicable	18.00
	12/21/2011	Not Applicable	3.00
			Total Debris Collected:
			252.00
U.S. Highway 30			
	2/17/2011	Not Applicable	20.00
	2/18/2011	Not Applicable	20.00
	3/3/2011	Not Applicable	8.00
	3/8/2011	Not Applicable	8.00
	3/22/2011	Not Applicable	10.00
	3/22/2011	Not Applicable	6.00

Overview of the Street Sweeping program

Start Date: 1/1/2011 End Date: 1/1/2012
 Total Debris Collected: 1,843

4/1/2011	Not Applicable	5.00
4/8/2011	Not Applicable	10.00
4/11/2011	Not Applicable	6.00
4/27/2011	Not Applicable	5.00
5/11/2011	Not Applicable	12.00
5/13/2011	Not Applicable	8.00
6/2/2011	Not Applicable	9.00
6/16/2011	Not Applicable	8.00
6/29/2011	Not Applicable	0.00
6/30/2011	Not Applicable	10.00
7/13/2011	Not Applicable	8.00
7/20/2011	Not Applicable	8.00
8/1/2011	Not Applicable	3.00
8/24/2011	Not Applicable	12.00
9/2/2011	Not Applicable	6.00
9/21/2011	Not Applicable	5.00
9/21/2011	Not Applicable	20.00
9/22/2011	Not Applicable	6.00
9/26/2011	Not Applicable	12.00
10/25/2011	Not Applicable	3.00
12/28/2011	Not Applicable	5.00
12/29/2011	Not Applicable	5.00
Total Debris Collected:		238.00

North East

4/18/2011	Not Applicable	8.00
4/20/2011	Not Applicable	0.00
4/20/2011	Not Applicable	3.00
4/22/2011	Not Applicable	6.00
4/25/2011	Not Applicable	2.00
5/16/2011	Not Applicable	6.00
6/20/2011	Not Applicable	10.00
7/11/2011	Not Applicable	10.00
7/29/2011	Not Applicable	4.00
8/15/2011	Not Applicable	15.00
8/30/2011	Not Applicable	2.00
9/12/2011	Not Applicable	12.00
9/30/2011	Not Applicable	5.00
10/10/2011	Not Applicable	11.00
10/12/2011	Not Applicable	20.00
10/17/2011	Not Applicable	20.00

Overview of the Street Sweeping program

Start Date: 1/1/2011 End Date: 1/1/2012
 Total Debris Collected: 1,843

	10/17/2011	Not Applicable	20.00
	10/18/2011	Not Applicable	20.00
	10/19/2011	Not Applicable	10.00
	10/21/2011	Not Applicable	14.00
	10/24/2011	Not Applicable	7.00
	10/28/2011	Not Applicable	15.00
	11/4/2011	Not Applicable	8.00
	11/8/2011	Not Applicable	24.00
	11/9/2011	Not Applicable	18.00
	11/16/2011	Not Applicable	15.00
Total Debris Collected:			285.00
11th Street			
	2/23/2011	Not Applicable	8.00
	3/19/2011	Not Applicable	1.00
	4/15/2011	Not Applicable	5.00
	6/7/2011	Not Applicable	9.00
	6/28/2011	Not Applicable	0.00
	8/22/2011	Not Applicable	4.00
	10/3/2011	Not Applicable	24.00
Total Debris Collected:			51.00
30th Ave.			
	3/16/2011	Not Applicable	8.00
	5/24/2011	Not Applicable	10.00
	6/24/2011	Not Applicable	12.00
	9/14/2011	Not Applicable	5.00
Total Debris Collected:			35.00
Ave. N			
	3/15/2011	Not Applicable	10.00
	5/4/2011	Not Applicable	8.00
	6/21/2011	Not Applicable	0.00
	7/15/2011	Not Applicable	15.00
	7/27/2011	Not Applicable	2.00
	8/9/2011	Not Applicable	10.00
	11/18/2011	Not Applicable	12.00
Total Debris Collected:			57.00
South West			
	2/18/2011	Not Applicable	10.00
	5/20/2011	Not Applicable	7.00
	7/14/2011	Not Applicable	10.00
	8/17/2011	Not Applicable	10.00

Overview of the Street Sweeping program

Start Date: 1/1/2011

End Date: 1/1/2012

Total Debris Collected:

1,843

8/23/2011	Not Applicable	9.00
9/7/2011	Not Applicable	12.00
9/23/2011	Not Applicable	6.00
10/4/2011	Not Applicable	10.00
10/4/2011	Not Applicable	5.00
10/5/2011	Not Applicable	10.00
10/25/2011	Not Applicable	20.00
10/27/2011	Not Applicable	10.00
11/3/2011	Not Applicable	8.00
11/10/2011	Not Applicable	18.00
11/22/2011	Not Applicable	12.00
Total Debris Collected:		157.00

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.

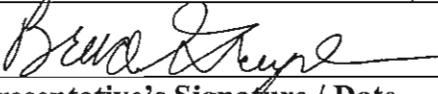
Minimum Control Measure # 7: Storm Water Monitoring

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.

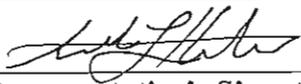
City of Kearney Authorized Representative
&
Stormwater Management Program Signatures

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
		2/15/12
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
		2/15/12
Representative's Signature / Date		