HASTINGS
ENGINEERING DEPT.

March 30, 2015

Blayne Renner
Nebraska Department of Environmental Quality
Suite 400, The Atrium
1200 N Street
P.O. Box 98922
Lincoln, NE 68509-8922

RE: Storm Water Management Plan Annual Report for City of Hastings sMS4 permit #NER300002

Dear Mr. Renner:

This letter transmits a copy of our 2014 Annual Report for reporting period 01/01/15 through 12/31/15, permit year nine.

Sincerely,

Deb Bergmann

Deb Bergmann

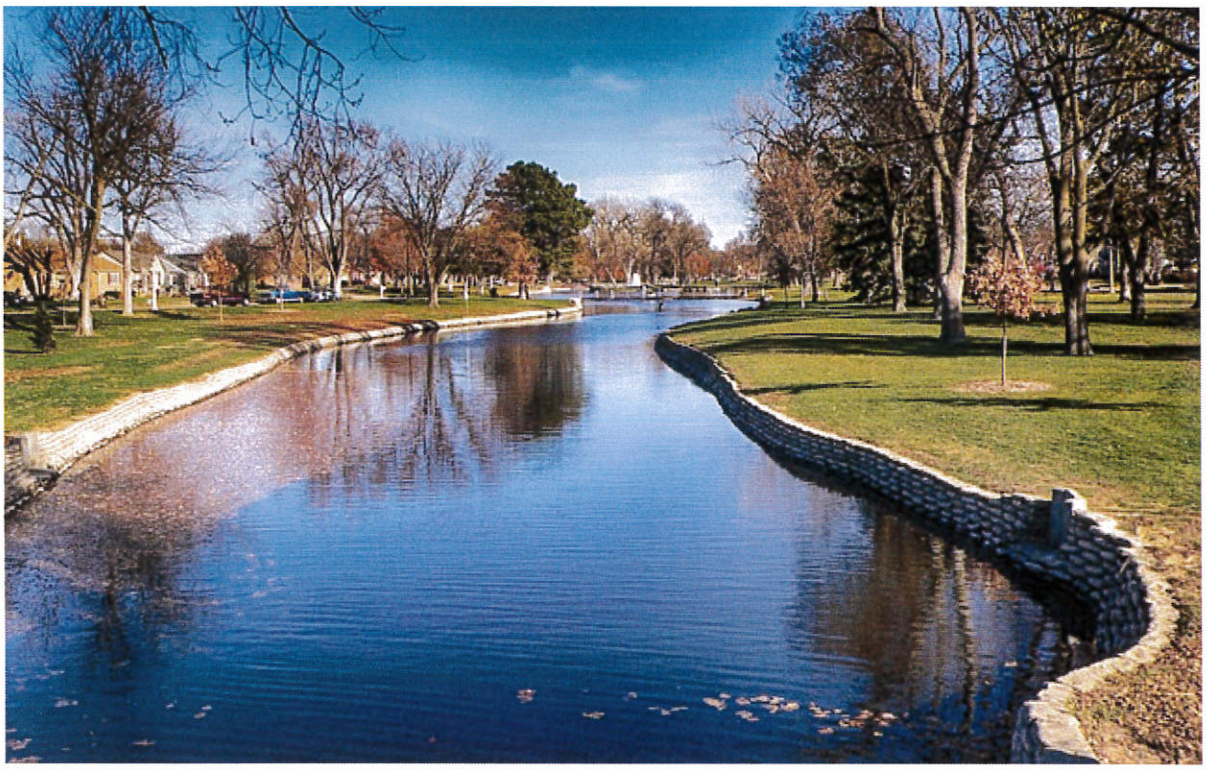
Environmental Engineering Assistant
Office: (402) 461-2339
Cell: (402) 469-7063
Email: dbergmann@CityofHastings.org

Cc: D.Wacker
J.Newlun

# *City of Hastings*

## Phase II MS4 Annual Report for Permit Year Nine

***For Reporting Period: 01/01/14 through 12/31/14***



**Authorization to Discharge under the NPDES Storm Water Phase II Municipal Separate Storm Sewer System (MS4) General Permit**

**Authorization No. NE 300002**

Contents


| | |
|---|---|
| Executive Summary | 3 |
| Certification | 4 |
| Permittee Information | 5 |
| Status of Compliance | 6 |
| Progress toward Statutory Goal | 6 |
| Description and Schedule for Implementation | 6 |
| Notice of Reliance | 6 |
| Section 1: Progress toward Measureable Goals | 8 |
| Section 2: Summary of Storm water Activities Planned | 16 |
| Section 3: Summary of Best Management Practices (BMPs) | 18 |
| Section 4: Assessment of Identified Best Management Practices (BMPs) | 20 |

## Executive Summary

In August 2005, Hastings 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. Hastings also submitted portions of the Storm Water Management Program (SWMP) as required by the permit. The SWMP identifies the Minimum Control Measures (MCMs), 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 ninety (90) days after the anniversary date of the permit coverage which commenced on January 1, 2006 for Hastings. As required by the permit, Hastings 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 Best Management Practices (BMPs), and progress towards statutory goals of the permit and Measurable Goals established for each Minimum Control Measure (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.

Due to the fact that the Phase II programs are currently operating under an administrative extension on the current permit, the City of Hastings has continued to focus on the original SWMP. This evaluation indicates that Hastings is in compliance with the current SWMP. Additional focus has been toward construction, post-construction, illicit discharge detection, pollution prevention and good house-keeping. We are continuing to run our program under the old permit until the new storm water permit is issued, at which time a new SWMP will be developed.

## 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.

*Deb Bergmann* *March 29, 2015*

Deb Bergmann — Date
Environmental Engineering Assistant
City of Hastings, Nebraska

## Permittee Information

| | |
|---|---|
| Permittee: | City of Hastings, Nebraska |
| Contact Person(s): | Vern Powers, City Mayor<br>Deb Bergmann, Environmental Engineering Assistant |
| Mailing Address: | City of Hastings, 220 N. Hastings Ave., Hastings, NE 68901 |
| Contact Phone Number: | (402) 461-2339 |
| Authorization Number: | NER 300002 |
| Authorization Date: | January 1, 2006 |
| Annual Report Due Date: | April 1, 2015 |
| Reporting Period: | January 1, 2014 – December 31, 2014 |

Have any areas been added to the MS4 due to annexation or other legal means? No

## Status of Compliance with Permit Conditions

The City of Hastings is in compliance with the Phase II MS4 General Permit conditions. The City has developed a comprehensive SWMP according to the requirements of the permit including BMPs, measurable goals, and implementation schedules for each of the MCMs.

For this annual report, the permitee has evaluated compliance with regard to the SWMP implementation schedule and the measurable goals. The permittee is in compliance with these previously submitted implementation schedules. To the best knowledge of the permittee, all required documentation and records are currently accounted for and stored in a centralized records database or file.

## Progress towards Achieving the Statutory Goal of Reducing the Discharge of Pollutants to the waters of the State of 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 (MEP).

For this annual report, the permittee has evaluated its compliance in regards to the SWMP implementation schedule and has assessed the appropriateness of each BMP as described in Section 3. The permittee has made progress towards achieving the statutory goal of reducing the discharge of pollutants to the maximum extent possible. To the best knowledge of the permittee, all required documentation and records are currently accounted for and stored in a centralized records database or files.

## 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 Hastings 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 Hastings does not rely on another government entity for compliance with any part of this permit. The City of Hastings is actively involved in the Nebraska Storm Water Cooperative (NSWC) and many public education items are based off of the Nebraska $H_2O$ public education program.

## Permit and Contact Information

**This report covers activities which occurred between January 1st to December 31st, 2014.**

**Permitting Authority:** Nebraska Department of Environmental Quality (NDEQ)
**Permit Number:** NER 300002
**Permit Type:** MS4 General Permit
**Permit Name:** City of Hastings SWMP
**Date Issued:** January 1, 2006 **Date Expires:** December 31, 2010. Currently, the City of Hastings is under an administrative extension, per NDEQ.

## General Information for MS4 Operator

**Operator Name:** Deb Bergmann
**Operator Title:** Environmental Engineering Assistant
**Represented Entity:** City of Hastings, Nebraska
**Mailing Address:** 220 N. Hastings Avenue
Hastings, NE 68901
**Phone Number:** (402) 461-2339
**Email Address:** dbergmann@cityofhastings.org
**Population:** 25,093
**Area (sq. mi.):** 13.66 $mi^2$
**Official Website:** www.cityof hastings.org and www.nebraskah2o.org/hastings

## General Information for Primary Contact Person

**Name:** Deb Bergmann
**Title:** Environmental Engineering Assistant
**Phone Number:** (402) 461-2339
**Email Address:** dbergmann@cityofhastings.org

**Receiving Waters:**
Little Blue River
Big Blue River
Thirty Two Mile Creek

## Section 1:
## *Progress towards Achieving Measurable Goals*

### Minimum Control Measure 1: Public Education and Outreach

**BMP 1: Develop and Distribute Educational Materials.**

**Date of activity:** Ongoing
**Description:** KHAS-TV Weather Guide Brochure and Educational Campaign.
**Title:** Severe Weather Safety Educational Guide and Stormwater Commercial.
**Cost:** $1685.00
**Delivered To:** General Population.
**Distribution:** Viewing area of 150,000. 134 commercial runs-30 seconds. 10,000 brochures.
**Summary:** The brochure was distributed to many locations encouraging individuals to visit the Nebraska H2O website to gain information referencing how to better manage stormwater. This information is distributed throughout the tri-cities area and used in numerous school presentations throughout the year as well. Commercials aired throughout the year.

**Date of activity:** Ongoing
**Description:** Platte River Radio Educational Campaign
**Title:** Platte River Radio Weather Eye Sponsor
**Cost:** $4104.00
**Delivered To:** General Population
**Distribution:** Listening area of 150,000.
**Summary:** Platte River Radio website contains links to Weatherology and $H^2O$ resources.

**Date of activity:** Ongoing
**Description:** Educational kiosk on hike/bike trail.
**Title:** "Stormwater Station" educational kiosk
**Cost:** $1364.00
**Delivered To:** General Population
**Distribution:** Varies according to trail traffic.
**Summary:** "Stormwater Station" is an educational kiosk located on the City's hike and bike trail. The kiosk has a sign that educates hiker/bikers with a bench for them to rest while they learn about stormwater management. Project labor was provided by local Boy Scouts. Stormwater educational brochures are available at the kiosk as well.

**Date of activity:** August 2014
**Description:** Distribution of Stormwater educational materials at the State Fair.
**Title:** Let's Protect our Water
**Cost:** $12,600
**Delivered To:** General Population.

**Distribution:** 3600 $H^2O$ tote bags with same number of brochures.
**Summary:** $H^2O$ tote bags were handed out, each bag containing 1 brochure and 1 of the following: $H^2O$ drink bottle or Frisbee.

**BMP 2: Develop Public Service Announcements.**

**Date of activity:** Ongoing
**Description:** Public service announcements (PSAs) were distributed in various media.
**Titles:** *Household Hazardous Waste Day*, *Illegal Dumping*, *Our Water-Our Responsibility*, *Household Hazardous Waste: Less Toxic Alternatives*, and *Where to Get Rid of It. Nebraska H2O*
**Cost:** $0 (previously purchased)
**Delivered To:** General Population
**Distribution:** Listening/Viewing area of 150,000.
**Summary:** Platte River Radio and the City's website contain links to Weatherology and $H^2O$ Resources.

**BMP 3: Develop Educational Materials for the Website.**

**Date of activity:** Ongoing
**Description:** City of Hastings Stormwater Management Website & $H^2O$ Website.
**Title:** Current updates on local events, best management practices, and permit requirements
**Cost:** No direct costs
**Delivered To:** General Population
**Distribution:** Seven posts were made to the Website in 2014, with an estimated 3,600 hits to the site. The app that does the traffic count went down in April, so the first quarter hits (900) were used as a basis for estimating the year's traffic.
**Summary:** The $H^2O$ website is utilized by a large majority of Phase II communities. Each community can update activities within their communities. A large amount of information and educational materials are available.

**BMP 4: Develop Household Awareness Survey.**

A household awareness survey was completed in 2007 and 2009. No additional activities were scheduled for the BMP listed this reporting period.

**BMP 5: Develop call in system for citizens.**

**Date of activity:** Ongoing
**Description:** Dedicated email address and phone number is available to citizens to request information or report pollution issues.
**Title:** stormwater@cityofhastings.org or (402) 461-2339
**Cost:** N/A
**Delivered To:** General Population
**Distribution:** Both the email address and the phone number have been in place from the

beginning of the permit term.
**Summary:** The email address and phone number are accessible from several sites, including the H2O website, the City website, and can be found on all stormwater management brochures.

## Minimum Control Measure 2: Public Involvement & Participation

### BMP 1: Organize Public Meetings to educate the public on stormwater.

**Date of activity:** October 2014
**Description:** Nebraska Stormwater Cooperative Meeting
**Title:** Nebraska $H^2O$
**Cost:** $0
**Delivered To:** The Cooperative consists of ten Phase II communities in Nebraska consisting of a population of greater than 10,000. These communities include Hastings, Beatrice, Columbus, Freemont, Grand Island, Kearney, Lexington, Norfolk, North Platte, and Scottsbluff.
**Distribution:** Cooperative members and other City employees.
**Summary:** The Cooperative utilizes a group effort to develop ways to best implement each City's respective Storm Water Management Plan. Multiple items have been discussed and implemented to include writing ordinances, public education and computer management programs. Post-Construction will continue to be a main focus in 2015.

**Date of activity:** May 2014
**Description:** Water and Earth Jamborees
**Title:** Nebraska $H^2O$
**Cost:** $0
**Delivered To:** 5th and 6th grade students from area schools.
**Distribution:** Estimated 300 students
**Summary:** The Water and Earth Jamborees educate 5th & 6th grade students through a variety of hands-on learning experiences which highlight the role of being a good steward of the environment.

### BMP 2: Participate/Sponsor Community Environmental Events.

**Date of activity:** September 2014
**Description:** Green infrastructure activities in Lincoln.
**Title:** Lincoln's Green Infrastructure Tour
**Cost:** $35
**Delivered To:** General Population
**Distribution:** $H^2O$ website PowerPoint
**Summary:** Developed a PowerPoint to share information and pictures from the green tour to post on the $H^2O$ website.

**Date of activity:** Ongoing

**Description:** Nebraska Floodplain and Stormwater Management Association (NeFSMA)
**Title:** NeFMSA
**Cost:** $125/membership
**Delivered To:** NeFSMA members
**Distribution:** 100 members in 50 organizations
**Summary:** NeFMSA meetings and discussions involve stormwater topics that directly impact all Phase II communities under NPDES regulations.

**BMP 3: Develop a Storm Water Inlet Stenciling Program.**

**Date of activity:** Ongoing
**Description:** Stormwater inlet identification
**Title:** Storm Inlet Stenciling Program
**Cost:** $0 (used existing supply of stencils)
**Delivered To:** General Population
**Distribution:** 25 inlets
**Summary:** Missing/illegible inlet markers replaced as identified.

## Minimum Control Measure 3: Illicit Discharge Detection and Elimination

**BMP 1: Illicit Discharge Ordinance and Detection Program.**

**Date of activity:** Ongoing
**Description:** Illicit Discharge Detection
**Title:** Illicit Discharge Program
**Cost:** No direct costs
**Delivered To:** General population
**Distribution:** Cooperative members and other City of Hastings employees.
**Summary:** The following table is a summary of the calls/investigations received during 2014. To date, all calls have been addressed without the need for enforcement measures.

| Complaint # | Date | Received by | Location | Site Inspection | Resolved |
|---|---|---|---|---|---|
| 1 | Jul-14 | Engineering | Russ's IGA | Yes | Yes |
| 2 | Jun-14 | Engineering | Hasting Memory Care | Yes | Yes |
| 3 | Jun-14 | Engineering | Consolidated Concrete | Yes | Yes |
| 4 | Jun-14 | Engineering | Russ's IGA | Yes | Yes |
| 5 | Aug-14 | Engineering | 9th Street | Yes | Yes |
| 6 | Sep-14 | Street Dept | B Street | Yes | Yes |
| 7 | Oct-14 | Street Dept | Elm Street | Yes | Yes |

**BMP 2: Dry Weather Inspections.**

**Date of activity:** Ongoing
**Description:** Outfall visual inspections

**Title:** Outfall Inspections
**Cost:** No direct costs
**Distribution:** Outfalls have been mapped and are available on the City's website.
**Summary:** No dry weather flows were noted in 2014.

**BMP 1: Storm Sewer Mapping.**

**Date of activity:** 2013
**Description:** Updating of storm sewer maps
**Title:** Storm sewer mapping
**Cost:** $0
**Distribution:** City of Hastings
**Summary:** GIS mapping of storm sewers was completed in previous permit year. The maps can be used in conjunction with the IDDE Program to track illicit discharges and areas of storm water related complaints.

## Minimum Control Measure 4: Construction Site Storm Water Runoff Control

**BMP 1: Develop an Erosion and Sediment Control Ordinance.**

**Date of activity:** 2009
**Description:** Develop an erosion control ordinance
**Cost:** No direct costs
**Distribution:** developers, contractors, and builders
**Summary:** The ordinance was completed in a previous permit year.

**BMP 2: Develop a Site Inspection and Plan Review Program.**

**Date of activity:** Ongoing
**Description:** Site plan review and inspections
**Cost:** No direct costs
**Summary:** The City of Hastings requires copies of stormwater management plans, Notice of Intent, and Erosion & Sediment Control plans for all construction projects greater than one acre in size or part of a larger development.

**BMP 3: Educate Contractors and the Development Community.**

**Date of activity:** Ongoing
**Description:** Site plan review and inspections
**Summary:** The City of Hastings partners with the Nebraska Local Technical Assistance Program (LTAP) in training the City's employees and the development community with certifications in Erosion and Sediment Control Training for Designers, Erosion and Sediment Control Inspectors, and Earthwork Training and Certification.
**Date of activity:** Continuous

**Description:** Provide program related materials and education on the City of Hastings and Nebraska's $H^2O$ site.
**Summary:** Provide information on best management practices and related documents.

**BMP 4: Develop Design Standards.**

**Date of activity:** Ongoing
**Description:** Evaluation of design standards.
**Summary:** Standard construction specifications are being developed to include in all City of Hastings owned projects. The City is preparing to create a design standard while partnering with Nebraska $H^2O$.

## Minimum Control Measure 5: Post Construction Storm Water Management

**BMP 1: Develop a Post Construction Ordinance.**

**Date of activity:** The City of Hastings completed its ordinance (2010). The ordinance was written as a foundation to future Post Construction program developments and goals.
**Delivered To:** Development stakeholders
**Distribution:** Nebraska H2O cooperative attended as a participant in the advisory meeting.
**Summary:** Continued progress is planned for a design guide for post-construction within the permit cycle.

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

**Date of activity:** Completed (2010)
**Summary:** The City of Hastings has started inspecting City owned BMPs to identify maintenance issues. The Inspection and Plan review process allow the communities to ensure that the provisions of the Post-Construction Ordinance are being followed. The Standard Operating Procedures will act as guidelines for the inspection and plan review Process.

**BMP 3: Develop Education Materials for the Development Community.**

**Date of activity:** Completed (2010)
**Summary:** See MCM 4, BMP 3, for educational details. The construction and post construction educational effort works closely together and can be combined. The development community continues to utilize the "Best Management Practices" handbook provided by the City of Hastings for guidance and education information.

## Minimum Control Measure 6: Pollution Prevention & Good Housekeeping

### BMP 1: Develop Training Material for City Employees.

**Date of activity:** Completed
**Delivered To:** City of Hastings employees
**Description:** Stormwater training for City Employees
**Distribution:** Utilities, Public Works, Parks and Recreation, Solid Waste, Maintenance and Public Safety.
**Summary:** Obtain training materials for City employees that will generate interest in stormwater-related issues. Increase employee awareness of how their actions at work and at home can affect stormwater runoff water quality. Many types of training exist throughout City program. For example, all park and recreation employees are trained in turf management and application training. The City of Hastings Safety Committee also promotes eight hour Hazwoper training.

### BMP 2: Evaluate Street Sweeping Program.

**Date of activity:**

| | *Cubic Yards* | *Miles* | *Yards$^3$ per mile* |
|---|---|---|---|
| *January* | 183 | 631 | 0.2900 |
| *February* | 416 | 112 | 3.7143 |
| *March* | 646 | 197 | 3.2792 |
| *April* | 381 | 86 | 4.4302 |
| *May* | 135 | 39 | 3.4615 |
| *June* | 463 | 138 | 3.3551 |
| *July* | 451 | 332 | 1.3584 |
| *August* | 431 | 126 | 3.4206 |
| *September* | 86 | 34 | 2.5294 |
| *October* | 1660 | 1578 | 1.0520 |
| *November* | 653 | 383 | 1.7050 |
| *December* | 183 | 63 | 2.9048 |
| ***TOTALS:*** | **5688** | **3719** | **1.5294** |

**Summary:** The City of Hastings operates two sweepers when conditions permit. Street sweeping provides primary benefits to the storm sewer infrastructure. The more obvious benefit is the collection.

### BMP 3: Evaluate Municipal Operations

**Date of activity:** Ongoing
**Description:** Evaluation and continuous updating of the Facility Runoff Control Plan (FRCP) for the Street Department.
**Summary:** In 2011 FHU was contracted to establish a Facility Runoff Control Plan.

The plan provides training to ensure workers could be qualified inspectors of their facilities. City "Hot Spots" were identified by evaluating each facility for its potential to release pollutants based off a points system. If the facility falls under the Hot Spot criteria, a maintenance FRCP site questionnaire is completed on that facility.

## Minimum Control Measure 7: Storm Water Monitoring

### BMP 1: Develop Standard Operating Procedures for Conducting Wet Weather Monitoring

**Summary:** No activities were scheduled for this BMP during the report period.

### BMP 2: Best Management Practices (BMPs) Assessment Monitoring.

**Summary:** No activities were scheduled for this BMP during the report period.

## Section 2

### *Summary of Possible Activities Planned for Permit Year Future*

| BMP Activity | Target Audience | Frequency | Implemented By: |
|---|---|---|---|
| **TV Public Service Announcement:** Water quality impacts from urban storm water and water infrastructure. | General public | Periodically | Continuous |
| **City Newsletter:** Article on storm water quality and/or public participation events. | General public | Once every permit year | Completed |
| **Local newspaper:** Ad promoting Nebraska $H^2O$ | General public | Once every permit year | Continuous |
| **Posters:** Public awareness about storm water. | General public, City staff | Continuous posting at City buildings on the table top display | Completed |
| **Display Board:** Public awareness about storm water program. | General public, City staff | Every permit year; continuously at City building | Completed |
| **Booth at Local Event:** Have a booth about the storm water program. | General public | As many as possible during the permit year | Continuous |
| **Free Promotional Items:** Purchase and distribute items with water quality message Nebraska $H^20$. | General public, schools | At all public events when brochures are distributed | Continuous |
| **Public Meeting:** Presentation for erosion and sediment control. | General public and staff | Developers, builders, contractors | Continuous |
| **Public Meeting:** Discuss program-related items at Nebraska Storm Water Cooperative meetings. | General public | Regularly scheduled meetings | Continuous |
| **Brochures / Flyers:** Various program-related topics including water quality impacts to storm water: 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<br>Schools (5th – 12th) | Throughout year | Continuous |
| **Storm water Website:**<br>Nebraska $H^2O$<br>City of Hastings | General public | Continuous | Continuous |
| **"Where to Get Rid of It" Solid Waste Program** | General public | Continuously available | Continuous |
| **Recycling Opportunities:** Curbside recycling program, Christmas tree recycling event, recycling center at Woodward's, city office paper recycling program. | General public, City staff | Continuously or periodically available | Continuous |

| BMP Activity | Target Audience | Frequency | Implemented By: |
|---|---|---|---|
| **Household Hazardous Waste Day:** Disposal event coordinated with City of Hastings Solid Waste Department | General public | Every two years | Continuous |
| **Storm drain Marking:** Storm drain marking program. | General public, schools, non-profit & civic organizations, & internships. | Continuously available | Continuous |
| **Inspections:** City inspection of reported illicit discharges. | City-wide | Perform inspections on reported illicit discharges as needed. | Continuous |
| **Enforcement:** Take appropriate action to abate pollutant source. | City-wide, all sources | As necessary | Continuous |
| **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 | Continuous |
| **Environmental Phone Line:** Answer questions, give guidance, take complaints. | General public | Continuously during office hours; voice mail available after hours to leave messages | Continuous |
| **Training:** Municipal Storm Water Pollution Prevention video. | City staff | Offer once during permit cycle | Continuous |
| **Training:** Spill Response | City staff | Offer once during permit cycle | Continuous |
| **Training:** How to conduct inspections effectively. | City staff | Offer once during permit cycle | Completed |
| **Training:** Storm water and City activities. | City staff | Offer once during permit cycle | Completed |
| **Inspections:** Conduct MS4 complaint inspections and track chronic sources; initial City facility inspection; and Good Housekeeping inspections. | City-wide | Quarterly inspections preformed by facility supervisors. Annual assessment by storm water program manager. | Continuous |
| **Enforcement:** Take appropriate action to abate pollutant source. | City-wide, all sources | As necessary, follow ERP | Continuous |
| **Street Sweeping** | City staff | Periodically throughout city as needed. Record collected materials and miles swept. | Continuous |

## Section 3

***Summary of All Best Management Practices and Associated Minimum Control Measures Possible for Next Year***

| BEST MANAGEMENT PRACTICES | PUBLIC EDUCATION | PUBLIC PARTICIP. | ILLICIT DISCHARGE | CONSTR. | POST-CONSTR. | GOOD HOUSE KP. |
|---|---|---|---|---|---|---|
| **Brochures / Flyers (options)** | | | | | | |
| Water quality impacts from urban stormwater | X | | X | X | X | |
| Household chemical disposal options | X | X | X | | | X |
| Proper on-site sewage disposal system maintenance | X | | X | | | |
| Proper use of fertilizers and pesticides | X | | X | | X | X |
| Recycling and re-use benefits | X | X | X | | | |
| How to become involved in stormwater program | X | X | | | | |
| Benefits of trees | X | X | | | X | |
| Motor oil pollution prevention | X | X | X | | | X |
| Responsible pet ownership | X | | X | | | |
| Construction / erosion / sediment control BMPs | X | | | X | X | |
| Chemical storage and disposal at City facilities | | | | | | X |
| City good housekeeping options | | | | | | X |
| **Training** | | | | | | |
| NDOR Training for Designers | | | X | X | X | X |
| NDOR Training for inspectors | | | X | X | X | X |
| Storm Water Pollution Prevention Videos | | | | | | X |
| Stormwater and City activities | | | | | | X |
| **MS4 Mapping** | | | | | | |
| MS4 system map | | | X | | | X |
| GIS database / designation of priority areas | X | X | X | X | X | X |

| **Administrative** | | | | | | |
|---|---|---|---|---|---|---|
| Discuss Phase II Program at public cooperative meetings | X | X | | | | |
| Review and pass ordinances for MCMs | | | X | X | X | |
| Program development of policies and procedures to administer MCMs | | | X | X | | |
| Site Plan review to include water quality | | | | X | X | |
| Public information receipt procedures | X | X | X | X | X | X |
| Enforcement | | | X | X | X | X |
| Environmental phone line | X | X | X | X | X | X |
| Stormwater website | X | X | X | X | X | |
| TV public service announcement | X | | | | | |
| Article in local newspaper | X | | | | | |
| Street sweeping | | | | | | X |
| Trash collection program | | | | | | X |
| **Community Involvement** | | | | | | |
| Posters about stormwater | X | | | | | X |
| Display board | X | | | | | |
| Booth at local event | X | | | | | |
| Recycle drop-off event | X | X | X | | | |
| Recycling opportunities | X | X | X | | | X |
| Household hazardous waste program | X | X | X | | | |
| Stormdrain marking | X | X | X | | | |
| Free promotional items | X | | | | | |
| **Inspections** | | | | | | |
| Complaint investigations for MS4 system | | | X | | | X |
| Source tracking of pollutants in MS4 | | | X | | | X |
| Inspection of construction sites | | | | X | X | |
| Good housekeeping inspections of City property | | | | | | X |

## Section 4

## *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 most required Measurable Goals for the fifth permit year were achieved, the more successful activities included brochures/flyers, newspaper articles, the TV & Radio commercials promoting Nebraska $H^2O$ media campaign and landfill.

**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 most required Measurable Goals for the fifth permit year were achieved, the most successful activities included public meetings, Rain Garden Workshop, and the community cleanup events.

**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. While all required Measurable Goals for the fifth permit year were achieved, the most successful activities included brochures/flyers, ordinance development, and the inspections of reported and discovered discharges.

**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 fifth permit year were achieved for developing, the most successful activities are minimal.

**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. Currently, Measurable Goals for the fifth permit year have been completed, including ordinance activities.

**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 all of the required Measurable Goals for the fifth permit year were achieved, the most successful activities included training events, facility evaluations, Facility Runoff Control Plan developed for street department, developing or modifying SPCC plans for facilities, street sweeping, and recycling opportunities.

**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 and effective.