



*Kearney
Nebraska*

**Stormwater Management Plan
(SWMP)**

2021 Phase II MS4 Annual Report

Nebraska Department of Environment and Energy

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

Authorization Number NER310008

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STORMWATER MANAGEMENT PROGRAM DOCUMENT BACKGROUND

This Stormwater Management Plan (SWMP) documents commitments by the City of Kearney to implement stormwater management procedures and practices. Kearney is required to maintain compliance with a National Pollution Discharge Elimination System (NPDES) permit issued by Nebraska Department of Environment and Energy (NDEE) that regulates the quality of stormwater runoff from the community. The Federal Clean Water Act establishes authority and the required compliance that NDEE enforces. Reducing the risk of stormwater pollution in local receiving waters by way of non-point source discharges is the purpose of the NPDES permit. NPDES Permit number NER310000 was issued to Kearney in June of 2017.

Procedures have been developed to comply with each of the six Minimum Control Measures (MCM's) stated in the permit. These MCM procedures and activities are reviewed by the NDEE as part of the annual reporting process and are defined as follows:

1. Public Education and Outreach: The City of Kearney facilitates the distribution of educational materials to the community or equivalent activities about the impacts of stormwater discharges on water bodies and steps that the public can take to minimize their role in stormwater pollution.
2. Public Involvement/Participation: The City of Kearney creates and promotes innovative ways for the community to participate in environmental events and informative activities.
3. Illicit Discharge Detection and Elimination: The City of Kearney has created a program and city ordinance that addresses the Standard Operating Procedures for identifying, enforcing, tracking and cleaning up illicit discharges within our municipality's mapped storm sewer system.
4. Construction Site Stormwater Runoff Control: The City of Kearney has developed, implemented, and enforces a program and city ordinance to reduce pollutants in stormwater runoff to our Municipal Separate Storm Sewer System (MS4) from construction activities.
5. Post-Construction Stormwater Management in New Development and Redevelopment: The City of Kearney has developed, implemented and enforces, an ordinance that minimizes water quality impacts by requiring specifically designed Stormwater Treatment Facilities (STF's) to be implemented in areas of new and re-development.
6. Pollution Prevention/Good Housekeeping for Municipal: The City of Kearney has created an operation and maintenance program that informs our employees, through training and educational materials, of procedures to minimize our effect on stormwater pollution.

This SWMP document is organized to communicate required regulatory compliance information to NDEE and EPA. The outline of the document is consistent throughout and is written in a manner to satisfy specific wording of the NPDES permit. References, Assignments, Frequencies and Measurable Goals are all clearly documented to successfully achieve the requirements of the NPDES permit.

The SWMP document outlines strategy details that are defined within program supporting documents. The details in these documents are not included in the SWMP except by reference for each strategy. The content that must be addressed within the supporting documents is clearly outlined by the activities of Program Defining Strategies. These Strategies are intended to provide integration between NPDES permit requirements, SWMP document content and Annual Reporting.

Finally, this document is made available for the public to view online. Although protecting water quality is a public service, the public shares responsibility. Public understanding of the program and their active participation with it is important to accomplishing the purpose of the SWMP.

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

PUBLIC EDUCATION AND OUTREACH DECISION PROCESS AND RATIONALE

The purpose of this MCM is to educate the public on the benefits of keeping our receiving waters clean of pollutants. An informed public can make a significant reduction in the amount of stormwater pollutants that enter our stormwater systems. The goal of this MCM is to reduce pollutants in stormwater runoff and minimize non-stormwater discharges by reaching as much of the public as possible with educational materials that address community wide issues. These issues range from the proper disposal of common household hazardous materials, such as pet waste and used oils, to the application of fertilizers and pesticides. Our objective is to utilize a Public Education and Outreach strategy that reaches the public in multiple forms.

Multiple media forms are used to convey this information. Social Media, Websites, Radio, Television, Household Awareness Surveys and more all play roles in this process. The City of Kearney performs household awareness surveys every other year. Once the results of the survey are in, a pamphlet of information discussing common household stormwater pollution topics is distributed to each utility customer.

How does the City of Kearney plan to inform individuals and groups how to become involved in the stormwater program and activities?

The City of Kearney Stormwater Division has a website and email on the City's webpage. Also, at the NebraskaH2O.org website there is a reference link to that same page. When events are scheduled, a press release is sent out to the public.

Who is the target audience for the City of Kearney education and outreach program that are likely to have stormwater quality impacts and why were those target audiences selected?

The City of Kearney has chosen Home Owners, Dog Owners, Lawn and Garden Property Owners, Construction Site Operators, and Engineers/Developers/Realtors. These target audiences were chosen due to the impact of their activities and their availability to be reached.

What are the target pollutant sources the City of Kearney education and outreach program is designed to address?

The City of Kearney is designed to address different types of non-point source pollution through the Public Education and Outreach program. Household hazardous wastes, pet waste, oil and other fluids from automobiles, and grass clippings are examples.

What is the City of Kearney education and outreach strategy, including the mechanisms used to reach the target audience, and how many people are expected to be reached by the education and outreach efforts each year?

The City of Kearney has used many media formats to reach the public. We've used television commercials, radio PSA's, Stormwater Pamphlets, Facebook posts, Twitter tweets, Press Releases, and newspaper articles. The City has the goal of eventually reaching all age groups and genders in one way or the other.

Who is responsible for the overall management and implementation of the City of Kearney education and outreach program and program activities?

The City of Kearney Stormwater Manager is responsible. The Stormwater Manager can be found at the Public Works Department and reached at 308-233-3273 or stormwater@kearneygov.org

How will the City of Kearney evaluate the success of the education and outreach program and how were the measurable goals identified?

The City of Kearney has implemented effectiveness measures for each BMP that will be met and acknowledged for each reporting period. These measures are meant to be a guide and measuring stick for each BMP and proof progress for that item.

This MS4 Public Education and Outreach (PEO) Strategy is a targeted approach to delivering education, training and public involvement and is tailored to target audiences and groups of individuals that may influence stormwater quality

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associated with municipal stormwater runoff. The City of Kearney can have significant influence on the education and training provided to Municipal Employees, Engineering Consultants, Contractors/Sub-contractors and General Public by delivering public education and outreach activities. By focusing on the target audiences described in this PEO Strategy, the City of Kearney can best develop awareness of stormwater BMPs, increase knowledge about recommended and required BMPs, and develop skills for correctly implementing BMPs.

PEO Strategy Goal 1: Educate/train Municipal Employees, Engineering Consultants, Contractors/Sub-contractors and General Public to follow recommended and required BMPs; the steps the target audience can take to reduce stormwater pollution.

PEO Strategy Goal 2: Utilize a combination of appropriate strategies to reach target audiences that can implement Stormwater BMPs.

PEO Strategy Goal 3: Inform the public about how to participate in environmental stewardship opportunities, review the SWMP and report about illicit discharges and other municipal stormwater pollution concerns.

PEO Strategy BMPs: The PEO Strategy Goals are supported by the PEO Strategy BMPs described throughout the SWMP. The following PEO Strategy BMPs provide details about how the City of Kearney accomplishes PEO Strategy Goals:

- BMP 1.1** Deliver stormwater education materials that are tailored, current and relevant to the SWMP.
- BMP 1.2** Deliver stormwater training and events that are tailored, current and relevant to the SWMP.
- BMP 1.3** Maintain public review, comment and input resources that support the SWMP.
- BMP 1.4** Support public notification from the target audience about the SWMP and pollution problems impacting stormwater quality.
- BMP 3.4** Deliver education about the impact of illicit discharges, common types of illicit discharges, and response procedures when illicit discharges are identified.
- BMP 4.4** Deliver education about the impact of construction-related stormwater pollution, construction site erosion, sediment and good housekeeping BMPs, inspection and enforcement requirements.
- BMP 5.2** Deliver education about planning and designing BMPs required to treat stormwater runoff from new and redevelopment.
- BMP 6.3** Deliver education about the impact of maintenance and facility operations on stormwater, operation BMPs, inspection and enforcement requirements.

PEO Strategy Defining Activities: The PEO Strategy BMPs are defined by a set of materials and efforts that the City of Kearney maintains. SWMP tables define each BMP with descriptions, target audiences, messages, methods/resources as well as dates materials were last provided and when they are next due. The defining activity tables follow the same general format shown below.

Description	Target Audience	Messages	Methods/Resources	Last Provided	Next Due
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PEO Strategy Implementation Activities: The PEO Strategy BMPs are measured by as set of goals that the City of Kearney implements. SWMP table list the goals for the activity, a measure for evaluation and assessment as well as the reporting for annual performance that is compared against the evaluation and assessment targets. The implementation tables follow the same general format shown below.

GOALS:	EVALUATION AND ASSESSMENT:	ANNUAL PERFORMANCE:
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PEO Strategy Target Audiences: The quality of stormwater discharging to the municipal separate storm sewer system can be impacted by diverse audiences that the City of Kearney addresses. Each target audience requires education and outreach techniques that accommodate their unique availability, behaviors, motivations, communication patterns, and liability to the City. Education materials and outreach activities are tailored with each target audience in mind to effectively reduce risk of stormwater pollution. Educating the target audience is expected to have a positive impact on stormwater quality by reducing the risk of discharging target pollutants.

The Primary Target Audience is characterized by a high level of responsiveness to the City. The group includes any individual or entity that the City places expectations upon with a high degree of confidence that those expectations will be met. Failure to meet City expectations can have negative consequences upon the Primary Target Audience which increases the potential that education and outreach efforts will be effective. The Primary Target Audiences include:

- City Employees
- Engineering Consultants
- Contractors and Sub-contractors

The Secondary Target Audience is characterized by a lower level of responsiveness to the City to adopt personal best practices. The group includes any individual or entity that contributes stormwater and pollutants to the storm drain system that can be reduced by changing habits or behaviors that introduce unnecessary pollutants to the storm drain system. The City has very little leverage over this group but provides education and outreach to raise awareness and influence perceptions of stormwater management in ways that protect water quality. The Secondary Target Audiences include:

- Residents
- Business Owners
- Service Providers
- Youth
- Community Groups
- Trade Associations
- Vendors

MCM1: BMP 1: DEVELOP, MAINTAIN AND DISTRIBUTE CURRENT EDUCATION MATERIAL

1.1.1. Coordinate the Public Education and Outreach Strategy with updates and maintenance of general stormwater education or outreach materials for distribution to residential, construction, industrial and commercial sources identified as high priority, community-wide issues related to the impact of stormwater discharges on water bodies and the steps that the public can take to reduce pollutants in stormwater runoff.

The PEO Strategy identifies the following:

- Goals, objectives, target messages and audiences for information.
- Resources used and frequency for distributing information.

Reference:				Frequency:	
The City of Kearney PEO Strategy				Annually	
Description	Target Audience	Messages	Methods/Resources	Last Provided	Next Due
Online Websites	General Public	Stormwater Program Management and BMP topics	City of Kearney Website NebraskaH ₂ O Website	2021	2022
Social Media	General Public	Stormwater Program Management and BMP topics	City of Kearney Facebook City of Kearney Stormwater Twitter	2021	2022
Television PSA's	General Public	Duck Floating Message Grass Clipping Message Goldfish Bowl Message	Local Television Station	2021	2023
Internet Advertisements	General Public	Duck Floating Message Goldfish Bowl Message	KOLN/KGIN	2021	2023
Radio PSA's	General Public	Voice Over Pollutants Message Don't Feed the Drain Message Talking Storm Drain Message	Local AM Radio Station	2022	2024
Storm Drain Awareness	General Public	Prevent pollution by keeping water draining to inlets, streams and lakes clean	Storm Drain Design Standard; Storm Drain Adhesive Markers	2021	2022
Branded Materials	General Public	Prevent pollution by keeping water draining to inlets, streams and lakes clean	Backpacks, Cups, Frisbees, Hi-Lighters, Tote bags, Key chains, Sticky Note Pads,	2021	2022
Report:	The TV PSA's were done this year. We've continued a rotating campaign with radio. We ordered a lot of hand sanitizer containers handed out to city employees with 'Stop Stormwater Pollution' as branded materials. The next public event is unknown due to the Covid-19 Pandemic.				

1.1.2 Distribute general stormwater education or outreach materials related to the impact of stormwater discharges on water bodies and the steps that the public can take to reduce pollutants in stormwater runoff.

Reference:	Public Education and Outreach Tracking Form		
Responsible:	Stormwater Coordinator	Frequency:	Ongoing Annually
Goals:	Evaluation and Assessment:	Performance:	
ADMINISTRATIVE: Use of stormwater program management websites	Current	{{Yes}}	
EFFECTIVENESS: Use of Social Media for Stormwater Program Management and BMP information; 66% of the population of the City of Kearney has access to Social Media; base population of 33,000	A goal of at least 12 Per year	{{108}} {{24,284 views}}	
EFFECTIVENESS: Use of Television PSA's for stormwater awareness	A goal of at least 3 per year	{{21}}	
EFFECTIVENESS: Use of Internet Advertisements/Articles for stormwater awareness	A goal of at least 2 per year	{{11}}	
EFFECTIVENESS: Use of Newspaper for Stormwater Awareness	A goal of at least 2 articles per year	{{4}}	
EFFECTIVENESS: Use of Radio PSA's for stormwater awareness	1 ad campaign every other year	{{0}}	
EFFECTIVENESS: Use of Storm Drain Markings	A goal to replace or mark at least 25 drains per year	{{814}}	
EFFECTIVENESS: Use of Stormwater program-branded materials for stormwater awareness to visitors at various tours, events ,trainings, and activities	A goal of at least \$2000 per year purchased and distributed	{{2,378.59}}	
Satisfied:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Explanation: The reason for the "0" Radio PSA's for the 2020 calendar year is that we have a rotating campaign between Television PSA's and Radio PSA's. The 2021 calendar year was devoted to the TV PSA's. The 2022 calendar year is devoted to Radio PSA's. We found that much of our program-branded materials were not handed out because several of our activities were canceled due to Covid-19. One program branded item that was popular was a small 2 OZ bottle of hand sanitizer with a carabiner attached. This item was labeled 'City of Kearney-Stop Stormwater Pollution.' We handed these out to employees and any visitors to our Dept.		

MCM1: BMP 2: CITIZEN PARTICIPATION IN IMPLEMENTATION OF STORMWATER CONTROLS

1.2.1 Coordinate the Public Education and Outreach Strategy with updates and maintenance of opportunities for citizens to participate in the implementation of stormwater controls, raising awareness for the impact of stormwater discharges on water bodies and the steps that the public can take to reduce pollutants in stormwater runoff. The Strategy includes for these opportunities and events:

- Goals, objectives, target messages and audiences
- Resources used and frequency

Reference:				Frequency:	
The City of Kearney PEO Strategy				Annually	
Description	Target Audience	Messages	Methods/Resources	Last Provided	Next Due
Ft. Kearny Outdoor Expo	General Public	Prevent pollution by keeping water draining to inlets, streams and lakes clean	Coordination with Nebraska Game and Parks; advertise through print and social media	2019	2022
Nebraska Groundwater Children's Festival	General Public	Prevent pollution by keeping water draining to inlets, streams and lakes clean	Coordinate with the Central Nebraska Natural Resource District	2019	2022
City of Kearney Cleanup Days	General Public	Prevent pollution by keeping water draining to inlets, streams and lakes clean	Coordinate with HOA's; advertise through print and social media	2019	2022
Pioneer Park Neighborhood Cleanup	General Public	Prevent pollution by keeping water draining to inlets, streams and lakes clean	Coordination with HOA's; advertise through print and social media	2021	2022
Kearney Canal Cleanup	General Public	Prevent pollution by keeping water draining to inlets, streams and lakes clean	Coordinate with Local common-initiative groups; advertise through print and social media	2019	2022
Report:	Public Education can vary from a designated event that attracts lots of people to a one-on-one with a concerned citizen, or 'tailgate meetings' with a handful of contractors/operators. I personally received 29 calls regarding stormwater issues on my office phone that I documented. While in the field, through everyday work and conversations, I addressed stormwater issues countless times. Our Ft. Kearny Expo, Nebraska Groundwater Children's Festival, Kearney Cleanup Days, and Kearney Canal Cleanup were postponed due to the Covid-19 Pandemic.				

1.2.2 Provide general stormwater education or outreach tours and events that raise awareness for the impact of stormwater discharges on water bodies and the steps that the public can take to reduce pollutants in stormwater runoff.

Reference:	Public Education and Outreach Tracking Form		
Responsible:	Stormwater Coordinator	Frequency:	Ongoing Annually
Goals:		Evaluation and Assessment:	Performance:
ADMINISTRATION: Record Stormwater Education & Outreach event		Recorded	{{Yes}}
EFFECTIVENESS: General Public attendance at Ft. Kearny Outdoor Expo		Recorded	{{N/A}}

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EFFECTIVENESS: General Public attendance Nebraska Extension 'Green Infrastructure Tour' for which Kearney presented on its Nebraska Statewide Arboretum grant funded Rain Garden in March 2021.		Recorded	{{55 people attended presentation}}
EFFECTIVENESS: General Public attendance at Nebraska Groundwater Children's Festival		Recorded	{{N/A}}
EFFECTIVENESS: General Public Attendance at Pioneer Park Neighborhood Cleanup Days		Recorded	{{8 volunteers and 1 20 c.y. bin of trash and a 20 c.y. of metal was collected in 4 hours}}
EFFECTIVENESS: General Public attendance at Kearney Canal Cleanup		Recorded	{{N/A}}
Satisfied:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Explanation: A sheet with Public Education & Outreach Activities has been provided. There were substantially fewer activities due to the Covid-19 pandemic. Educational activities, where in-person interaction with participants was the norm, were canceled after March 17, 2020 when the virus began its initial spread in our State. A sheet describing the activities and decision to cancel attendance or participation is provided with this 2021 NDEE Annual Report.		

MCM #2 PUBLIC PARTICIPATION AND INVOLVEMENT

PUBLIC PARTICIPATION AND INVOLVEMENT DECISION PROCESS AND RATIONALE

The purpose of this MCM partly goes along with the first MCM, Public Education and Outreach. The idea is to use the informed public to get involved to the point of participating in activities and/events. With this enthusiasm the public will be spreading the idea of stormwater pollution prevention via word of mouth amongst members of the community and beyond. The goal of this MCM is to actively support and inform those people or groups who wish to perform activities that improve community wide issues. These issues range from the proper disposal of common household hazardous materials, such as pet waste and used oils, to the application of fertilizers and pesticides. The responses we receive from Household Awareness Surveys get an idea as to the level of education our public has on these issues. Our objective is to utilize a Public Education and Outreach strategy that supports and informs the public in multiple forms.

How does the City of Kearney involve the public in the development and submittal of the MS4 permit application and Stormwater Management Program?

The City of Kearney has created a group of people (KearneyH2O) that meet regularly and give ideas and comments regarding the Stormwater Management Program to the Stormwater Manager for implementation.

What is the plan for actively involving the public in the development and implementation of the City of Kearney Stormwater Management Program?

The City of Kearney updates the public when it comes time to adapt or improve ordinances as it pertains to the City of Kearney's Stormwater Management Program. We give the public a forum, City Council, to ask questions and give comments prior to submitting any changes.

Who are the target audiences for the City of Kearney public participation and involvement program, including the types of ethnic and economic groups to be engaged?

The City of Kearney actively approaches any group regardless of ethnicity or economic status as it pertains to stormwater pollution. Identifying the source of the pollution is the key component and any group – be it industrial, trade, environmental, educational, HOA etc.... is approachable.

What are the types of public involvement and participation activities included in the City of Kearney Stormwater Management Program?

The City of Kearney has citizen representatives in a group named 'KearneyH2O' which discuss ideas for implementation into the Stormwater Management Plan; These ideas are then presented in front of the City Council at a Public Hearing- giving more opportunity for citizens to comment; There are public awareness surveys that are non-incentive based, where the citizens volunteer their time and opinion; There are public clean-up events that the City of Kearney aids support in while active groups complete a clean-up of public area.

Who is responsible for the overall management and implementation of the City of Kearney participation and involvement program and program activities?

The City of Kearney Stormwater Manager is ultimately responsible for the management and implementation of the City of Kearney Public Participation and Involvement program and finding program activities that the public will participate in. The Stormwater Manager can be found at the Public Works Department and reached at 308-233-3273 or www.stormwater@kearneygov.org

How will the City of Kearney evaluate the success of the participation and involvement program and how were the measurable goals identified?

The City of Kearney has several 'effectiveness measures' that are put in place to measure the successful implementation of each BMP. These effectiveness measures are reported annually in our NDEE Annual Report.

MCM2: BMP 1: PUBLIC INVOLVEMENT AND PARTICIPATION MATERIALS

2.1.1 Coordinate the Public Education and Outreach Strategy with materials that demonstrate compliance with State and local public notice requirements and involve the public in planning and implementation of programs and activities related to the City of Kearney Stormwater Management Program and NPDES Permit. The PEO Strategy identifies the following:

- Target messages and audiences for public involvement and participation.
- Resources used and frequency for providing public involvement and participation

Reference:				Frequency:	
The City of Kearney PEO Strategy City of Kearney City Code Chapter 9				Annually	
Description	Target Audience	Messages	Methods/Resources	Last Provided	Next Due
MS4 Permit	General Public	Regulations and Ordinances are available for the public to use and follow for compliance	Online; Available on demand	2021	2022
Stormwater Management Plan	General Public	Regulations and Ordinances are available for the public to use and follow for compliance	Online; Available on demand	2021	2022
Stormwater Program Ordinances for: <ul style="list-style-type: none"> • Illicit Discharge Detection and Elimination • Erosion and Sediment Control • Post-Construction Stormwater Treatment 	General Public	Regulations and Ordinances are available for the public to use and follow for compliance	Online; Available on demand	2021	2022
Stormwater Focus Group	General Public	Ideas for improving the City of Kearney stormwater management plan can come from individuals within the community	Committee	2020	2023
General Public: Formal Comment	General Public	Public input helps form public policy and ordinances for protecting water quality	Council	2021	2022
General Public: Information Requests Received	General Public	Public input helps make the City aware of possible situations that harm water quality	City of Kearney- Stormwater Hotline City of Kearney-Access Kearney Web Request Form	2021	2022

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			Nebraska H2O- Kearney Web Report Form		
Household Awareness Survey	General Public	Everyone in the City of Kearney can help prevent pollution from stormwater runoff	Printed and/or Digital Survey	2021	2022
Report:	<p>Printed Survey was last sent out in 2020 and is next planned for May 2022. A link has been created for a survey on Survey Monkey. This link is printed on the General Stormwater Brochure that is annually sent out to all Utility Customers who receive a mailed bill.</p> <p>https://www.surveymonkey.com/r/F7XSTRH More and more people are receiving E-billing and perhaps we will create a hyperlink of this survey on that e-bill. A new Nebraska H2O website is contracted to be created in 2022 and will have a household awareness survey included. Stormwater Focus Group has not gathered since 2020 due to Covid-19 Pandemic. Hopefully we can start again in 2023.</p>				

2.1.2 Provide public involvement and participation opportunities that demonstrate compliance with State and local public notice requirements and involves the public in planning and implementation of programs and activities of the SWMP.

Reference:	Public Education and Outreach Tracking Form		
Responsible:	Stormwater Coordinator	Frequency:	Ongoing Annually
Goals:	Evaluation and Assessment:	Performance:	
<p>ADMINISTRATION: Provide program reference documents online and make available to the general public the following:</p> <ul style="list-style-type: none"> • Municipal Separate Storm Sewer System (MS4) Permit • Stormwater Management Plan • Illicit Discharge Detection and Elimination Ordinance • Erosion and Sediment Control Ordinance • Post-Construction Stormwater Ordinance 	Provided	{{Yes}}	
<p>ADMINISTRATION: Provide a public forum to receive input about proposed stormwater compliance plans and ordinances.</p>	Record public attendance and comment numbers	<p>Proposed Changes: {{No}}</p> <p>Attended: {{0}}</p> <p>Comment: {{No}}</p>	
<p>ADMINISTRATION: Make web form and telephone resources available to the public for submitting request related to stormwater information, potential pollution situations and stormwater program recommendations.</p>	Record all resources utilized	{{12 Comments}}	
<p>EFFECTIVENESS: Distribute a General Stormwater Brochure with the Utility flyer during odd calendar years.</p>	Number Sent	Sent {{8600}}	
<p>EFFECTIVENESS: All proposed changes to regulations and ordinances are posted for review at least one week prior to decision.</p>	100%	{{Yes}}	

<p>EFFECTIVENESS: Distribute a household stormwater awareness survey during even calendar years with questions to document measures that demonstrate if the general public is knowledgeable about the impact of stormwater discharges on water bodies and the steps that the public can take to reduce pollutants in stormwater runoff.</p>	<p>Number sent and returned</p>	<p>Sent {{0}} Returned {{0}}</p>
<p>EFFECTIVENESS: Coordinate a stormwater committee (or similar group) with community members that receive information about the City of Kearney Stormwater Management Program, review and comment on proposed program, policy and ordinance changes as well as make recommendations for program activities included in the plan.</p>	<p>Number of participants and meetings</p>	<p>Citizens {{0}} Meetings {{0}}</p>
<p>Satisfied:</p>	<p>Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Explanation: Stormwater Steering Committee meetings yield good results; Game and Parks Biologists, UNK Biologists, KHS Teachers, NRD Employees, Arborists, a City Council Member have been previous members. We didn't have any meetings this year due to Covid-19. A new rotation of members will be drafted once the pandemic variants have diminished drastically. Probably Spring 2023. In 2020 a General Stormwater Brochure was sent out in January (General Stormwater Pollution) and March (Household hazardous Waste).</p>	

MCM #3 ILLICIT DISCHARGE DETECTION AND ELIMINATION

ILLICIT DISCHARGE DETECTION AND ELIMINATION DECISION PROCESS AND RATIONALE

The purpose of this MCM is to minimize the effect of illicit discharges within the municipality. An IDDE program is followed and an ordinance has been enacted within the City Code. Dry weather inspections of storm sewer outfalls are performed within the community. Also, a detailed storm sewer map is maintained to track flow of stormwater and identify affected areas from illicit discharges. Finally, the City of Kearney's website allows the public to acknowledge their concerns regarding all forms of stormwater pollution.

How did the City of Kearney develop a stormwater system map and what information is used to verify outfall locations and make updates?

The City of Kearney consolidated all the information that had been gathered by City of Kearney staff and other entities. This included all outfall points, inlets, storm sewer pipes, and manhole boxes. Maintenance and upkeep of this stormwater system map is done annually as as-builts and changes to the system occur.

How does the City of Kearney effectively prohibit illicit discharges and why was that mechanism chosen?

The City of Kearney has an active IDDE program that is identified in our Municipal Code, complete with an Enforcement Response Plan. We hold violators accountable by penalizing them for their violations. City Municipal Code Chapter 9, Article 15, Section 21 defines and prohibits stormwater discharges.

How does the City of Kearney plan to ensure that the illicit discharge ordinance, procedures and actions are implemented?

The City of Kearney has implemented City ordinances regarding Illicit Discharge Detection and Elimination. The City of Kearney has a protocol with an Enforcement Response Plan that identifies the procedure to follow based on the severity of violation.

How does the City of Kearney detect and address illicit discharges to the storm drain system including illegal dumping and spills?

The IDDE Program defines protocol for reporting the requirement to investigate trace and remove potential illicit discharges. Using 'Access Kearney' on the City website, a citizen can identify to a responsible party what they saw. The citizen can remain anonymous or be known. The discharge is addressed and tracked until the issue is clean and a party is found responsible.

How does the City of Kearney inform public employees, businesses and the general public about the hazards to water quality from illegal discharges and disposal of waste?

The City of Kearney has communication tools, which includes, but is not limited to training videos, posters, bulletins, website and press releases. As the IDDE Program continues to develop, additional materials or educational effort would include flyers, expanding the websites, and providing more presentation materials for training purposes.

Who is responsible for the overall management and implementation of the City of Kearney Illicit Discharge Detection and Elimination program and program activities?

The City of Kearney Stormwater Manager is responsible for the overall management and implementation of this program. That position ensures works to ensure all parts of the IDDE Program run smoothly.

How will the City of Kearney evaluate the success of the Illicit Discharge Detection and Elimination program and how were the measurable goals identified?

The City of Kearney has effectiveness measures established which will be met on a regular basis. The measures are acknowledged at each annual report to show the measure of success for the IDDE Program.

MCM3: BMP 1: DISCHARGE INVESTIGATION AND REMOVAL

3.1.1 Coordinate updates and maintenance of discharge record-keeping, investigation, removal and enforcement information in the MS4 Illicit Discharge Detection and Elimination (IDDE) Program, which references and defines the following:

- State and/or local regulatory mechanism(s) that effectively define allowable non-stormwater discharges and prohibit non-stormwater discharges into the storm sewer system related to illicit discharges (including on-site sewage disposal systems, spills, discharges, connections and dumping).
- Internal spill/dump/discharge/connection procedures, departmental staff responsibilities, contact information (including NDEE for occurrence believed to be an immediate threat to human health or the environment), and equipment used to investigate illicit discharges.
- Enforcement response protocol used to remove illicit discharges that occur within the MS4.
- Data collected, database used, and data export procedures for records of investigation, removal and enforcement efforts, enforcement status and outcomes for illicit discharges.
- Protocol for reporting the requirement to investigate and remove potential illicit discharges that flow into the MS4 from adjacent MS4 operators and property owners
- Protocol for notifying adjacent MS4 operators within 30 days of all updates to policy for coordinating the investigation and removal of illicit discharges.

Reference	Frequency
City of Kearney Municipal Code 9-1521, 9-1561 IDDE Program, Chapters 4, 5, 8, 10, 12, 14, 15, Appendix A	Review Annually
Report:	There were no changes to the IDDE Municipal Code in the calendar year 2021. Due to the clarification of "Major and Minor Outfalls" in 2019, a different number of Outfalls were observed during the 'Dry Weather Outfall Reconnaissance' in the Spring of 2021.

3.1.2 Investigate, remove or cause responsible party to remove spills, illegal discharges and illicit connections within and into the MS4.

Reference:	IDDE Program Tracking Form		
Responsible:	Stormwater Coordinator	Frequency:	Ongoing Annually
Goals:		Evaluation and Assessment:	Performance:
ADMINISTRATION: Record dates of all notifications of potential illicit discharges, stakeholders involved, investigation and communication efforts, status, and final resolution taken for potential illicit discharges.		Record discharge information required	{{Yes}}
EFFECTIVENESS: Initiate investigation of potential illicit discharges and/or contact adjacent MS4 operator within two working days of notification.		100%	{{100%}} of {{6}}

EFFECTIVENESS: Once a source is determined, initiate notification of responsible party of potential illicit discharges within one working day of notification.	100%	{{100%}} of {{6}}
EFFECTIVENESS: Open records are updated once a week with status and any new information until the issue is resolved.	100%	{{Yes}}
EFFECTIVENESS: Summarize all instances that were closed without resolution including who made determination to close the record and why the instance could not be resolved.	Record instances closed without resolution	{{1}}
Satisfied:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Explanation: Entries into our Stormwater Database tell us if there are any outstanding IDDE events. A Tracking Form was created and is used whenever an illicit discharge is reported. There is never an event that gets noticed where two days goes by without notification where it is an option. We had one instance that was 'closed without resolution' because the concrete truck that spilled some concrete in the street was gone long before the mess was reported and then cleaned up. All concrete companies receive BMP brochures annually.	

MCM 3: BMP 2: DRY WEATHER SCREENING

3.2.1 Coordinate updates and maintenance of Dry Weather Screening Inspection and data collection information in the MS4 Illicit Discharge Detection and Elimination (IDDE) Program, which defines the following:

- Basis for selecting outfall locations used to screen for the presence of illicit discharges to the MS4 considering likelihood of illicit connections or ambient sampling.
- Frequency used to screen major and minor outfalls for the presence of illicit discharges to the MS4.
- Policies, staff, contact information, equipment, and known impairments or TMDL pollutants of concern used to conduct dry weather screening for the presence of illicit discharges to the MS4.
- Field tests of selected chemical parameters, evaluation methods and sample concentration action levels for pollutants during dry weather screening that trigger determination to investigate flow as a potential illicit discharge to the MS4.
- Data properties collected, geo-database used, illicit discharge identification and tracking database used, and data export procedures for reporting dry weather screening conducted to determine the presence of illicit discharges to the MS4.

Reference	Frequency
IDDE Program, Chapters 7, 8, 10, 14, Appendix B, Appendix F	Review Annually
Report:	Observations, recommendations, and/or changes made to program defining documents during permit year

3.2.2 Conduct Dry Weather Screening Inspections and record all results in the stormwater outfall geodatabase.

Reference:	Dry Weather Screening Tracking Form		
Responsible:	Stormwater Coordinator	Frequency:	On-going Annually – Spring or Fall
Goals:		Evaluation and Assessment:	Performance:
ADMINISTRATION: Conduct and record outfall inspections, identifying all investigations that exceeded pollutant concentration action levels, in the outfall geodatabase within the calendar year.	Input all records.	Inspected: {{20}}	Exceeded Action Level: {{0}}
EFFECTIVENESS: Screen each major outfall annually	50%	{{50%}} of {{20}}	
EFFECTIVENESS: Investigate each minor outfall every three years	33%	{{33%}} of {{42}}	
Satisfied:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Explanation: Dry Weather Outfall monitoring is done each Spring. Since many of these outfalls drain into the Kearney Canal, it is wise to do the inspections prior to that filling up in April from the Platte River for irrigation use. The 2021-year inspections were performed between March 31 st and April 6 th . Due to the re-categorization of 'Major' and 'Minor' outfall in 2019 (to eliminate redundancy), the number of outfalls has diminished from years past.		

MCM 3: BMP 3: STORM SEWER SYSTEM MAPPING

3.3.1 Coordinate updates and maintenance of MS4 area maps and stormwater outfall location information in the MS4 Illicit Discharge Detection and Elimination (IDDE) Program, which defines and references the following:

- Internal procedures, frequencies, municipal staff responsibilities, contact information, and equipment used to capture and verify existing and future stormwater outfall location information.
- How outfall locations are described, minimum size of outfall required to be mapped, smaller size outfalls that may be mapped, and justifications for mapping smaller outfalls.
- Sources of information used for the maps listing land use types, waters of the state, outfall locations, storm drain infrastructure, collection system and structural stormwater treatment BMPs.
- Latest version of the outfall map with receiving waters.

Reference	Frequency
City of Kearney GIS IDDE Program Chapter 8, 20	Review Annually
Report:	Continual corrections and updates are made to the City of Kearney ArcGIS Storm Sewer Atlas. These corrections are found and edited by the Stormwater Program Manager. In the 2021 calendar year there were 651 corrections performed on the City of Kearney Storm Sewer Atlas. These corrections consisted of edits to inlets, pipes, junction boxes, manholes, and outfalls.

3.3.2 Maintain map, to the extent required by the permit, of current geographic locations of all stormwater outfalls, the approximate boundary of their drainage area that discharge to State-designated receiving waters in the MS4, dry weather field screening locations, storm drain infrastructure and collection system as well as structural stormwater treatment locations.

Reference:	City of Kearney GIS, City of Kearney GIS As-built records (when available)		
Responsible:	Stormwater Coordinator	Frequency:	On-going Annually
Goals:	Evaluation and Assessment:	Performance:	
ADMINISTRATION: Maintain all outfall attribute updates in geo-database of current stormwater outfall information available for major and minor outfalls.	Number of major and minor outfalls.	Major: {{20}} Minor: {{42}}	
ADMINISTRATION: Maintain list of projects with anticipated completion dates that will modify or add new MS4 outfalls.	Maintained.	{{Yes}}	
ADMINISTRATION: Update estimated drainage boundary attributes with existing and future land use at a minimum of five years for all MS4 outfalls.	Maintained.	{{Yes}}	
EFFECTIVENESS: All outfall, storm drain infrastructure, collection system and stormwater treatment geo-reference attributes are updated in the geo-database within one year of new construction or 30 days following routine outfall dry weather screening.	100%	{{100%}} of {{0}}	
Satisfied:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Explanation: All new construction in this year has been within the drainage area of existing outfalls, or any outfalls added to the drainage area were not categorized as a 'Major' or 'Minor' outfall based on their descriptions. An annual evaluation of outfalls is ongoing. A Dry weather monitoring process inspects all water outfalls leaving Kearney.		

MCM 3: BMP 4: ILLEGAL DISCHARGE AND IMPROPER WASTE DISPOSAL EDUCATION

3.4.1 Coordinate updates and maintenance of educational and training information for distribution related to the hazards associated with illegal discharges and improper disposal of waste in the Public Education and Outreach Strategy, which establishes the following:

- Training program with at least one target message related to identification and reporting of illicit discharges and connections for a sector of Public Employees involved in Operation and Maintenance activities every reporting year.
- At least one target message and distribution method for a sector of Public Employees not involved in Operation and Maintenance every reporting year.
- At least one target message and distribution method for a sector of Commercial/Industrial Businesses within the MS4 every reporting year.
- At least one target message and distribution method for at least one sector of the General Public within the MS4 every reporting year.

Reference:				Frequency:	
The City of Kearney PEO Strategy				Annually	
Description	Target Audience	Messages	Methods/Resources	Last Provided	Next Due
Household Hazardous Waste	General Public	Prevent pollution by disposing of household hazardous waste properly	Water Quality Brochure or Press Release: Household Hazardous Waste disposal and facility location	2021	2023
Pet Waste	General Public	Prevent pollution from pet waste by collecting and disposing waste properly	Water Quality Brochure: Pet Waste Water Quality Signs: Pet Waste Water Quality Supplies: Pet Waste Disposal Bags	2021	2022
Lawn and Garden Care	General Public	Prevent pollution by controlling lawn and garden waste and chemicals from leaving your property	Water Quality Brochure: Lawn and Garden Care	2021	2022
Water Quality Brochure: IDDE Resources and References	Municipal Staff involved with O&M	Identify, report, investigate and remove illicit discharges and connections	Water Quality Brochure: Illicit Discharge Resource and References	2021	2022
Water Quality Brochure: IDDE Resources and References	Municipal Staff not Involved with O&M	Identify and report Illicit Discharges and Connections	Water Quality Brochure: Illicit Discharge Resource and References	2021	2022

Water Quality Brochure: Automotive Repair	Business Sectors: Automotive Repair	Prevent pollution from automotive maintenance activities	Water Quality Brochure: Automotive Repair distributed to businesses	2021	2022
Water Quality Brochure: Outdoor Landscaping	Business Sectors: Outdoor Landscaping	Prevent pollution from landscape maintenance activities	Water Quality Brochure: Outdoor Landscaping distributed to businesses	2021	2022
Water Quality Brochure: Restaurants	Business Sectors: Restaurants	Prevent pollution from waste materials, oils, and grease from restaurants	Water Quality Brochure: Restaurants distributed to businesses	2021	2023
Water Quality Brochure: Mobile Cleaning	Business Sectors: Mobile Cleaning	Prevent pollution from mobile cleaning activities	Water Quality Brochure: Mobile Cleaning distributed to businesses	2021	2021
Water Quality Brochure: Concrete Delivery	Business Sectors: Concrete Delivery	Prevent pollution from improper Concrete truck chute washout	Water Quality Brochure: Concrete Delivery distributed to businesses	2021	2024
Report:	Brochures were mailed to lawn/landscaping industry, restaurant industry, concrete industry, automotive industry, food service industry, mobile cleansing industry, utility industry and the general public. This amounts to more than 450 brochures detailing the importance of BMP's for multiple industries to minimize their impact on stormwater pollution. It is easy to do this every year to each industry, despite the frequency being reported as every 5 years.				

1.4.2 Distribute information related to the hazards associated with illegal discharges and improper disposal of waste to Public Employees, Businesses and the General Public.

Reference:	Public Education and Outreach Tracking Form		
Responsible:	Stormwater Coordinator	Frequency:	Ongoing Annually
Goals:		Evaluation and Assessment:	Performance:
ADMINISTRATION: Distribute information to all Municipal Employee, Businesses and General Public sectors identified to receive information for the reporting year.		100% of the Target Audience Reached	{{Yes}}
EFFECTIVENESS: All of the estimated target audience sector of Municipal Employees involved with Operation and Maintenance activities had information or training made available to them in the reporting year.		100%	{{77}}
EFFECTIVENESS: At least ninety percent (90%) of the estimated target audience sector of Municipal Employees not involved with Operation and Maintenance activities had information made available to them in the reporting year.		90%	{{100% of 325 employees}}

EFFECTIVENESS: At least seventy-five percent (75%) of the estimated target audience sector of Business Owners had information made available to them in the reporting year.	75%	{{>85%}} of {{Businesses}}
EFFECTIVENESS: At least fifty percent (50%) of the estimated target audience sector of General Public had information made available to them in the reporting year.	Recorded	{{80%}} of {{General Public}}
Satisfied:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Explanation: I learned that 80% of General Public pays their utility bill non-electronically. They receive the flyers I send out. I send out informative brochures/pamphlets to ALMOST all businesses that have stormwater pollution prevention Best Management Practices associated with their jobs. This number is close to 100%. I go online and due an exhaustive search for all Lawn/Landscape companies, Food Service companies, Mobile Cleansing companies, General Contractors, Concrete transport companies, Utility Companies, Design/Planning Firms, Plumbers, etc.... I receive the letters back if the USPS is unable to find a mail receptacle or if the company has closed or moved. I then update my mailing list. I send out a monthly newsletter on Stormwater Pollution-related topics to all Municipal employees. Departments with Facility Runoff Control programs put the pertinent newsletters into the training appendix of their FRCP binder. Also, departments with Industrial Stormwater Permits read the pertinent newsletters and put them in the training appendix of their ISP binder.	

CONSTRUCTION STORMWATER MANAGEMENT DECISION PROCESS AND RATIONALE

The purpose of this MCM is to reduce pollutants in stormwater runoff from construction activities that result in land disturbance. An Erosion and Sediment Control program is being followed and ordinance has been enacted within the City Code. Design standards meeting the NDEE and NPDES Permit requirements are available on the City website. Construction site operators are required to enact Erosion and Sediment Controls no matter what the size of their project.

How does the City of Kearney require erosion and sediment control measures on construction sites in the City and why were those mechanisms chosen?

The City of Kearney requires erosion and sediment control measures via our City Code (9-1643). This method was chosen to ensure that every construction project within the City Limits is required some forms of Erosion and Sediment Controls, as well as inspection and evaluation method.

How does the City of Kearney enforce erosion and sediment control requirements when there is noncompliance with requirements and why were those mechanisms chosen?

The City of Kearney has an Enforcement Response Plan (ERP) that delineates the level of enforcement based on the level of violation. The ERP was created to address any level of noncompliance.

What types of waste materials are construction site operators required to manage onsite with Best Management Practices?

The City of Kearney has a defined list of pollutants in our City Ordinance (9-1616). The predominant waste materials are any construction activity trash from building materials, equipment and vehicle track out as well as a possibility of sanitary waste carried offsite to a downstream location.

What procedures does the City of Kearney follow for selecting and completing Construction site plan review when applications for construction are submitted for approval?

The City of Kearney requires an Erosion and Sediment Control plan on all sites. For sites greater than an acre, a Stormwater Pollution Prevention Plan is required to be followed. For sites less than an acre, the sites are continuously being evaluated/inspected by an inspector in the Development Services.

What does the City of Kearney do with information that is submitted by phone or the Access Kearney about construction sites that may be causing impacts to water quality?

The City of Kearney Stormwater Manager is the 'Primary Owner' of public requests for attention to construction sites that may have stormwater pollution. The request is followed up on as soon as possible and tracked until the issue has been resolved.

What procedures and prioritization does the City of Kearney follow to inspect and enforce construction stormwater control measures?

The City of Kearney utilizes an 'Enforcement Response Plan' which identifies proper protocol to be followed for any level of violation. The City follows issues until they are resolved. Communication with the violator, from a phone call to a formal notice of violation to enforcement of Civil Penalties are all on the table.

Who is responsible for the overall management and implementation of the City of Kearney Construction Stormwater program and program activities?

The City of Kearney Stormwater Manager AND the Public Works Director are ultimately responsible for the management and overall implementation of the Construction Stormwater Program. Parts of this program operate outside the regular authority of the Stormwater Manager, specifically the elements of reviewing plans brought in front of the Development Review Team.

How will the City of Kearney evaluate the success of the Construction Stormwater program and how were the measurable goals identified?

The City of Kearney has multiple effectiveness measures implemented to ensure the BMPs are being utilized correctly. Each annual report sent in to the NDEE will address these effectiveness measures and how to interpret them.

MCM 4: BMP 1: MAINTENANCE, IMPLEMENTATION, AND ENFORCEMENT OF EROSION AND SEDIMENT CONTROL AUTHORITY

4.1.1 Coordinate maintenance of enforceable authority and escalation procedures in the MS4 Construction Stormwater (CSW) Program Guidance Document, which references local regulatory mechanisms that:

- Defines and enables municipal enforcement.
- Defines and requires construction erosion and sediment control implementation.
- References local regulatory mechanism(s) that effectively defines waste control implementation.
- References local regulatory mechanism(s) that effectively defines and establishes a range of penalty options and when they will be used to ensure compliance.

Reference	Frequency
City of Kearney Municipal Code 9-1643, 9-1616 CSW Program Appendix A, Appendix B, Appendix F	Update: 3/2021 Review: Annually
Report:	On March 23, 2021 the City Council approved the amendments of multiple aspects throughout the City Code that addresses the 'Notification Timeline.' For consistency, the City Code now states "...required maintenance shall be performed within five (5) days of notification..." This was addressed in Chapter 9 and Chapter 56 as it pertains to stormwater management facilities.

4.1.2 Conduct procedures to investigate, remove and enforce each instance of construction stormwater non-compliance for observed non-compliance of the municipal code/ordinance.

Reference:	Public Education and Outreach Tracking Form		
Responsible:	Stormwater Coordinator	Frequency:	Ongoing Annually
Goals:	Evaluation and Assessment:	Performance:	
ADMINISTRATION: Record dates of all notifications of potential construction stormwater program non-compliance. Record status, stakeholders involved investigation efforts, communication efforts, interim steps of enforcement if taken to resolve, and final resolution taken for potential construction stormwater program non-compliance.	100%	{{100%}} of {{30}}	
EFFECTIVENESS: Initiate investigation of potential construction stormwater program non-compliance within two working days of notification or identification.	100%	{{100%}} of {{30}}	

EFFECTIVENESS: Open records are updated once a week with status and any new information until the issue is resolved.		Total Number of Instances	{{30}}
EFFECTIVENESS: Summarize all instances that were closed without resolution including who made determination to close the record and why the instance could not be resolved.		Record instances closed without resolution	{{0}}
Satisfied:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Explanation: As Stormwater Manager, it is my responsibility to document the efforts the City of Kearney makes to inform and educate contractors when they are not complying with the NDEE Permit. It is not the City of Kearney's responsibility to enforce penalties for violations of the NDEE's NPDES Permit unless they are specifically violating City Code. When those instances occurred we found complete closure and cooperation. Familiarity with the database and documentation is a process and a comfort level for data entry and accuracy levels is improving.	

MCM 4: BMP 2: CONSTRUCTION SITE PLAN REVIEW

4.2.1 The City will coordinate maintenance of site plan review procedures in the MS4 Construction Stormwater (CSW) Program, which references local regulatory mechanisms that define the following:

- Authority to conduct construction site plan reviews for all land development and building projects that will disturb at least one acre of soil surface alone or as part of a larger common plan of development or sale.
- Minimum requirements for site plan submittals to address construction erosion, sediment and waste control best management practices.
- Minimum standards by reference for design of construction erosion, sediment and waste control best management practices.
- Basis for selecting certain sites for site plan review.
- Current policies, staff, contact information and required procedures for construction site plan review.

Reference	Frequency
City of Kearney Municipal Code 9-1617 CSW Program Section 3Appendix A, Appendix B	Update: 9/2017 Review: Annually
Report:	Observations, recommendations, and/or changes made to program defining documents during permit year. Changes to Erosion and Sediment Control to meet both Municipal code and State NPDES Permit. If project is greater than an acre then it is required to get an NPDES Permit from NDEE. If the project is less than an acre then the Permit applicant is required to get a Lot Level NOI/SWPPP from the City of Kearney's Department Development Services.

4.2.2 The City will conduct and record site plan reviews for all land development and building projects that will disturb at least one acre of soil surface alone or as part of a larger common plan of development or sale.

Reference:	Construction Stormwater Plan Review Tracking Form		
Responsible:	Stormwater Coordinator	Frequency:	On-going Annually
Goals:	Evaluation and Assessment:	Performance:	
ADMINISTRATION: Complete construction stormwater site plan review form for every land development and building project that will disturb at least one acre of soil surface alone or as part of a larger common plan of development or sale.	100%	{{85%}} of {{13}}	
EFFECTIVENESS: Record when construction stormwater site plan submittal requirements were not satisfied and required revision and resubmittal.	100%	{{11}}	
Satisfied:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Explanation: Upon reviewing Erosion and Sediment Control plans for these projects in the Plan Review process I noticed a trend that most of these plans have very rudimentary ESC Details and few are site specific. I amend these plans to account for grade change or for better identification of the ESC requirements in the plans. Public Works has begun to amend its Standards and Specifications for all aspects of construction that involve Public Works, this has proven to be a work in progress. This year the only two NPDES Project within the City Limits the Public Works Dept did not perform a Plan Review for were with the Kearney Regional Airport: Kearney TaxiWay Rehab CSW-202105295, and Kearney Airport Parking Exp. CSW-202105632. These both have Olsson Engineering as plan engineers for FAA approved projects.		

MCM 4: BMP 3: CONSTRUCTION SITE INSPECTIONS

4.3.1 The City will coordinate review and maintenance of site inspection procedures in the MS4 Construction Stormwater (CSW) Program, which references local regulatory mechanisms that define the following:

- Local regulatory mechanism(s) that effectively defines and enables authority to conduct site inspections
- Minimum standards by reference for installation and maintenance of construction erosion, sediment control best management practices.
- Minimum standards by reference for installation and maintenance of waste control best management practices.
- Current policies, staff, contact information, frequency and required procedures for routine municipal inspections of public and private construction projects, including inspections that result from the submittal of information requests by the public about construction activity.
- Minimum required frequency and information for construction operator self-inspections.

Reference		Frequency
City of Kearney Municipal Code 9-1618 CSW Program Section 4, Appendix A, Appendix B		Update: 3/2021 Review: Annually
Report:	Nothing has been changed in the Municipal Code on Inspection Frequency in this reporting period. It follows the frequency approved by the NDEE in our PEO, Inspections at a frequency of 1 or more per quarter. We easily match that. In Mid-2020 we had begun inspecting on a regular frequency of once per month and after major rain events. The response time to notifications have been changed on March 23, 2021 to be consistent with other parts of the City Code.	

4.3.2 Conduct site inspections for construction projects to document construction stormwater installation and maintenance compliance.

Reference:	Construction Stormwater Plan Review Tracking Form		
Responsible:	Stormwater Coordinator	Frequency:	Ongoing Annually
Goals:	Evaluation and Assessment:	Performance:	
ADMINISTRATION: Record the total number of active construction site inspections conducted during reporting period.	Total Number Conducted	{{92}}	
EFFECTIVENESS: Every private building lot and land development received municipal oversight inspection for erosion and sediment control an average of quarterly (routine) during the period of active construction.	100%	{{100%}} of {{247}}	
EFFECTIVENESS: Every public project with an NPDES permit completes routine stormwater inspections on a frequency required in the permit authorization (routine).	100%	{{100%}} of {{37}}	
EFFECTIVENESS: All active construction projects that have non-compliance with local construction stormwater requirements receive a follow-up inspection within one week.	100%	{100% receive follow-up} of {{443}}	
EFFECTIVENESS: All information provided from the public about stormwater management of an active construction site leads to an inspection or a documented reason why an inspection was not conducted.	100%	{{100%}} of {{64}}	
EFFECTIVENESS: Record soil stabilization conditions and if unresolved non-compliance exist for the project at time of all close-out inspections required before municipal approval is given.	100%	{{100%}} of {{10}}	
Satisfied:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Explanation: The City of Kearney Stormwater Manager makes a note of non-compliance in our Stormwater Database. A contractor is given one week to take voluntary corrective measures before non-compliance is issued. Due to increased number of inspections there was a noticed increased amount of follow-up inspections to address non-compliance.		

MCM 4: BMP 4: CONSTRUCTION STORMWATER EDUCATION

4.4.1 Coordinate updates and maintenance of educational and training information for distribution related to impacts of construction stormwater pollution in the Public Education and Outreach Strategy, which references the following:

- Establishment of a training program and distribution method with at least one target message related to Construction Stormwater Program Requirements (i.e. Erosion and sediment controls, soil stabilization, dewatering, pollution prevention, prohibited discharges, surface outlets, plan submittal, site inspection, enforcement) every reporting year.
- Defines training that municipal staff primarily responsible for permitting, plan review, construction site inspections and enforcement receive.
- Defines the resources used and frequency for distributing information related to construction stormwater pollution.

Reference:				Frequency:	
The City of Kearney PEO Strategy				Annually	
Description	Target Audience	Messages	Methods/Resources	Last Provided	Next Due
Required Standards	Municipal Staff and General Public	Prevent construction-related stormwater pollution by following City policy and procedures	City of Kearney – Construction Stormwater Program and Approved Stormwater Design Manual Links	2021	2022
Construction Stormwater BMP Pocket Guides	General Public	Prevent construction-related stormwater pollution by using BMPs	Construction Stormwater BMP Pocket Guides and brochures Available at Public Works Depart.	2021	2022
Bioretention Garden Manual	General Public	Slow it down, Soak it in	Bioretention Garden Manual Available at Public Works Dept.	2021	2022
Report:	A contractor mailing-list of Plumbers, Sign Companies, Fence Companies, Electricians, Specialty Contractors, Engineers, General Contractors, Lawn and Landscape Companies, Mobile Cleansing Companies, Food Service Companies, Automobile/Mechanical Maintenance Companies, etc...is kept and each of these sectors (over 450 companies) receives brochures and flyers with Stormwater Pollution Prevention Best Management Practices to be implemented in their Good Housekeeping procedures. If these businesses are not operational the mail is returned to the Public Works Dept and the contractor mailing list is updated.				

4.4.2 Distribute education and training information related to construction stormwater pollution.

Reference:	Public Education and Outreach Tracking Form		
Responsible:	Stormwater Coordinator	Frequency:	Ongoing Annually
Goals:		Evaluation and Assessment:	Performance:
ADMINISTRATION: Construction site operators can obtain information about BMPs and requirements for minimizing pollutants discharged from construction sites each year.		Total number of pocket guides/brochures distributed	{{142 Contractors received brochures}}
EFFECTIVENESS: Distribute training information to all (100%) Municipal Employees responsible for permitting, plan review, construction site inspections, and enforcement		100%	{{100% of all 325 City Employees}}
EFFECTIVENESS: Target audience sector of Construction Site Operators had edu. info made available to them in the reporting year		100%	{{100% of all 142 contractors on mailing list}}
EFFECTIVENESS: Construction Site Operators had training offered during even calendar years.		100%	Offered to: {{100%}} Received: {{142}}
Satisfied:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Explanation: Seasonal Development Services Dept Newsletters are sent out to all contractors. Construction Site Operators received brochures in the Spring of 2021 besides the seasonal Development Services Newsletters that get sent out. ALL City Employees receive monthly Newsletters on Stormwater Pollution Prevention BMP's. The topics of these monthly newsletters address topics pertinent to Municipal Operations that create the potential for stormwater pollution as well as addressing the potential of residential property owner stormwater pollution.		

POST-CONSTRUCTION STORMWATER MANAGEMENT DECISION PROCESS AND RATIONALE

The purpose of this MCM is to ensure the quality of water leaving a previously completed construction site remains continuously treated prior to leaving the property. With the implementation of specifically required Stormwater Treatment Facilities (STF's) the quality of water will have the best chance of remaining clean prior to entering receiving waters. These STF's will be monitored and maintained based on official Maintenance Agreements signed by the owner and the City.

How will/does the City of Kearney require post-construction stormwater runoff from new development and redevelopment to be treated in the City and why were those mechanisms chosen?

The City of Kearney requires post-construction stormwater runoff to be treated through different Stormwater Treatment Facilities (STF's). Rain Gardens, Bioswales, Sediment Forebays and Regional Detention Facilities, amongst others, are all be suitable STF's within the City Limits. These were chosen based on their accessibility, aesthetics and maintainability.

How will/does the City of Kearney enforce post-construction stormwater runoff treatment when there is noncompliance with requirements and why were those mechanisms chosen?

The City of Kearney has created an ordinance as it relates to Post-Construction Stormwater. This ordinance refers to a 'Post Construction Stormwater Management Program' and there are penalties of different severity upon non-compliance. These were chosen due to their positioning within the Municipal City Code.

What do the terms New Development and Redevelopment mean and what sites are exempt from the Post-Construction Program requirements?

The term 'New Development' refers to any new construction project that has been platted after September 1st, 2017. 'Redevelopment' refers to any construction on existing property that affects more than one acre of impervious surface area. The sites that are exempt from the Post-Construction Program Requirements are those that were platted prior to September 1st, 2017.

What procedures will/does the City of Kearney follow for selecting and completing Post-Construction site plan review when applications for construction are submitted for approval?

The City of Kearney Post Construction Stormwater Program provides a submittal checklist that describes the required information on each Site. This checklist will be made available online, at the Public Works Department, and with the Development Review Team upon the developer's introduction of the idea to the Municipality. Once the proper specifications have been implemented, then the site plans are up for review on a department by department basis. The Stormwater Manager will observe the Post-Construction specifications and site plan.

What procedures will/does the City of Kearney follow when information is submitted by phone or through Access Kearney about stormwater treatment facilities that may not be built or maintained properly?

The City of Kearney requires a series of inspections of the constructed Stormwater Treatment Facilities. These inspections are to be performed by a licensed engineer in the State of Nebraska prior to completion of the development project.

What procedures and prioritization will/does the City of Kearney follow to inspect and enforce Post-Construction stormwater treatment facilities?

The prioritization and procedures are identified in the Post-Construction Stormwater Management Program. Enforcement will be conducted by way of maintenance agreements, and inspections are allowed by the owner whenever the City wishes to perform them.

Who is responsible for the overall management and implementation of the City of Kearney Post- Construction Stormwater program and program activities?

The City of Kearney Stormwater Manager is responsible for the implementation of the Post-Construction Stormwater Program. It is the Stormwater Manager who creates and inspects the Stormwater Pollution Prevention Plans (SWPPP) for Municipal projects greater than one acre. The Stormwater Manager communicates directly with the developers and contractors as needed to resolve non-compliance.

How will the City of Kearney evaluate the success of the Post-Construction Stormwater program and how were the measurable goals identified?

The City of Kearney has implemented 'Effectiveness Measures,' found throughout the Post Construction Stormwater MCM, to evaluate the success of the Program. These 'Effectiveness Measures' are tabulated each year and identified within each Annual Report sent to the NDEE

MCM 5: BMP 1: POST-CONSTRUCTION STORMWATER CONTROL AUTHORITY

5.1.1 Coordinate maintenance of enforceable authority and escalation procedures in the MS4 Post-Construction Stormwater (PCSW) Program, which references the following local regulatory mechanism(s) that effectively:

- Defines and enables municipal enforcement for permanent stormwater quality treatment facilities.
- Requires permanent stormwater quality treatment facility implementation for new development and redevelopment projects and the effective date of the requirement.
- Defines and establishes a range of penalty options and when they will be used to ensure compliance.

Reference	Frequency
City of Kearney Municipal Code 9-1643, 9-1635, 9-1643-G PCSW Program Section 3, 6	Review: Annually
Report:	The Post-Construction Stormwater Management Program has added information on Maintenance Frequency. This was uploaded online in April 2020.

5.1.2 Conduct enforcement procedures for permanent stormwater treatment facility non-compliance and/or non-compliance.

Reference:	Post-Construction Stormwater Treatment Facility (STF) Enforcement Tracking Form,		
Responsible:	Stormwater Coordinator	Frequency:	On-going Annually
Goals:	Evaluation and Assessment:	Performance:	
ADMINISTRATION: Record responsible party, date enforcement initiated, reason for non-compliance or violation, status, enforcement steps taken to resolve, and final resolution of each instance of potential non-compliance with post-construction stormwater treatment.	Total Number of instances recorded.	{{2}}	

EFFECTIVENESS: Initiate enforcement response plan investigation within seven days of identification of potential non-compliance	100%	{{100%}} of {{0}}
EFFECTIVENESS: Open records are updated once a week with current status and any new information until the issue is resolved.	100%	{{100%}} of {{0}}
EFFECTIVENESS: Summarize all instances that were closed without resolution including who made determination to close the record and why the instance could not be resolved.	Record instances closed without resolution.	{{0}}
Satisfied:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Explanation: There are 15 projects that have met Post-Construction parameters (w/in City Limits; greater than an acre; re/platted after 9/1/2017) and the City of Kearney is working through the program in an amenable fashion with the engineers/owners responsible. Difficulty has been found in receiving required inspections and Maintenance Agreements from Owners. Inspection process begins upon construction and continues after completion.	

MCM 5: BMP 2: STORMWATER TREATMENT PLAN REVIEW

5.2.1 Coordinate maintenance of site plan review procedures in the MS4 Post-Construction Stormwater (PCSW) Program, which references and defines the following:

- Local regulatory mechanism(s) that effectively defines and enables authority to conduct stormwater treatment plan reviews.
- Minimum treatment volume with calculation method, volume treatment design criteria, and stormwater treatment practice design standards by reference for design of permanent stormwater treatment practices.
- Maximum allowable impervious cover by land use zone.
- Minimum requirements for post-construction stormwater treatment plan submittals to satisfy structural and non-structural stormwater treatment standards.

Reference	Frequency
City of Kearney Municipal Code 9-1606 PCSW Program Section 2, 3, Appendix A	Review: Annually
Report:	The Post-Construction Stormwater Management Program is a live document. We have looked into adding information on Maintenance Frequency. These amendments were done in April 2020. More amendments will be done in 2021 regarding the notification timeline.

5.2.2 Conduct site plan review for stormwater treatment design compliance.

Reference:	Post-Construction Stormwater Treatment Development Review Tracking Form		
Responsible:	Stormwater Coordinator	Frequency:	Ongoing Annually
Goals:		Evaluation and Assessment:	Performance:
ADMINISTRATION: Complete stormwater treatment design review form for every new development and redevelopment project.		Recorded	{{Yes}}
ADMINISTRATION: Record date of STF Certification and as-built record drawings received with all required information including updated STF design tables if field modifications were made.		Recorded	{{1}}
EFFECTIVENESS: Record when STF design requirements for new development and redevelopment projects were not satisfied and required revision and resubmittal.		Recorded	{{0}}
EFFECTIVENESS: Complete as-built record drawings are received within one year of municipal approval for project completion.		100%	{{100%}} of {{4}}
Satisfied:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Explanation: The STF 'Certification' process consists of receiving a Submittal Checklist and Inspections during and after construction to confirm STF is operational. 3 additional projects were determined to have met the required parameters AND designed STF's that met water quality improving parameters. However, submittal checklists and inspections were not performed. These projects were +2 years old and deemed not fair to developers to go back and request submittal checklists and inspections after all development has been completed for 2 years.		

MCM 5: BMP 3: STORMWATER TREATMENT SITE INSPECTIONS

5.3.1 Establish and review site inspection procedures in the MS4 Post-Construction Stormwater (PCSW) Program, which define and reference the following:

- Local regulatory mechanism(s) that effectively defines and enables authority to conduct site inspections.
- Minimum standards by reference for installation and maintenance of stormwater treatment practices.
- Minimum required timing and information for construction operator self-inspections prior to receiving municipal approval constructed STFs.
- Minimum required timing and information for property owner self-inspections following municipal approval of constructed STFs.
- Current policies, staff, contact information, frequency and required procedures for municipal inspections prior to approving STFs constructed for the project.
- Minimum required timing and information for municipal inspections following municipal approval of constructed STFs.

Reference	Frequency
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City of Kearney Municipal Code 9-1636, 9-1627 PCSW Program Section 6, Appendix B		Review: Annually
Report:	A contract has been discussed with an environmental engineering firm to identify a Scope of Work that would detail a 'Stormwater Master Plan.' This plan would identify specific requirements for 'Water Quality Improving' by the NDEE/EPA as well as detention for local regulatory requirements. Ideally, a plan that would address all these entities will come together to help new development meet all these requirements in on step. Creating a 'Water Quality Bank' in each river basin would eliminate the need for Private STF's and put the responsibility on the City to inspect/maintain the Regional Facility that would be considered this 'Bank.'	

5.3.2 Conduct site inspections for new development and redevelopment projects to document post-construction stormwater treatment facility (STF) installation and maintenance compliance

Reference:	Post-Construction Stormwater Treatment Facility Inspection Tracking Form		
Responsible:	Stormwater Coordinator	Frequency:	Ongoing Annually
Goals:		Evaluation and Assessment:	Performance:
ADMINISTRATION: Record last date of inspection by <u>Owner</u> for STFs submitted or requested for review.	100%		{{Yes}} {{2}}
ADMINISTRATION: Record last date of inspection by <u>Municipality</u> for STFs.	100%		{{Yes}} {{1}}
EFFECTIVENESS: Always record modifications made from design plans, engineer name providing certification, and anticipated date as-built record drawings will be submitted to the City.	100%		{{100%}} of {{4}}
EFFECTIVENESS: Always record current condition, maintenance planned, and next anticipated applicant inspection date.	100%		{{100}} of {{4}}
EFFECTIVENESS: Inspections are completed by the City for each completed project within 90-days following municipal approval of completed project	100%		{{100%}} of {{1}}
EFFECTIVENESS: Inspections are conducted by the City within fourteen days following an information request submitted by the public and/or failure of the Owner to submit a routine self-inspection.	100%		{{100%}} of {{0}}
EFFECTIVENESS: All information provided from the public about stormwater management of an approved STF leads to an inspection or a documented reason why an inspection was not conducted.	100%		{{100%}} of {{0}}
EFFECTIVENESS: Self inspections are submitted by Owner of project within 90-days following municipal approval of completed project.	100%		{{100%}} of {{1}}

EFFECTIVENESS: Self inspections are submitted by Owner of project no longer than three years following the previous self-inspection.	100%	{{100%}} of {{0}}
EFFECTIVENESS: Always record final constructed condition at time of inspection, observations and on-going municipal inspection frequency before municipal approval is given.	100%	{{100%}} of {{1}}
EFFECTIVENESS: Always record current condition, maintenance planned, and next anticipated applicant inspection date	100%	{{100%}} of {{1}}
Satisfied:	<p> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Explanation: There are currently 3 private projects that are in the process of constructing STF's meeting Post Construction parameters. The parameters that require STF's are: 1) Greater than an acre; 2) Within the City Limits (MS4 NER310000 Permitted Area); and 3) Platted or Re-platted after August 31, 2017. None of these 3 projects have received their Certification of Occupancy; Asbuilts have not been handed in due to this fact. There is a list of municipal projects with NPDES Permits that have been created since Sept 1, 2017. There are no STF's for the projects on this list. The City of Kearney has a contract with an environmental engineering firm to work on a Stormwater Master Plan that addresses Water Quality Improvement. The plan is to create a bank of 'water credit volume' in both the Platte River Basin and the Wood River Basin. These banks would have volume 'credit' withdrawn after each project in their respective River Basin is completed. A proposal was recently drafted on addressing the option of designating defined existing Detention Basins for current Water-Quality methods, as well as identifying defined existing Detention Basins that would need a little amending to meet Water-Quality methods. The timeline for identifying this information was by the end of 2021. This idea has been presented to the NDEE Marty Link and has been approved. </p> <p> Tracking the Status of each STF has proven cumbersome. With multiple inspections required (During construction; w/in 90 days of Certificate of Occupancy; w/in 3 years of Certificate of Occupancy) it's difficult to keep on schedule and informing/requesting the developers/owners of the project on a regular basis seems to meet the 'Maximum Extent Practicable' requirement. The creation of a 'Water Quality Bank' in each river basin would eliminate the need for Private STF's and put the responsibility on the City to maintain/inspect the 'Water Quality Bank.' </p>	

GOOD HOUSEKEEPING AND POLLUTION PREVENTION DECISION PROCESS AND RATIONALE

The purpose of this MCM is to minimize the effect of the municipality's efforts to the contribution of stormwater pollutants into receiving waters. Operations have been identified that have the greatest likelihood to cause pollution to stormwater runoff. The facilitators of these operations are educated and trained in Standard Operating Procedures for reducing pollutants from entering the storm sewer system.

What types of municipal operations and maintenance are managed by the City of Kearney to prevent or reduce impacts to water quality from stormwater runoff and what facilities does this include?

The City of Kearney is responsible for the stormwater pollution that its activities create. The processes utilized by our staff, such as training, SOP, and record-keeping help minimize the affect our actions take on the environment. The Operations Water Quality Guide identifies these implemented processes and can be found at the City of Kearney Public Works Department.

What types of training is provided to City of Kearney staff to help them prevent and reduce impacts to water quality from stormwater runoff?

The City of Kearney has different departments that create stormwater pollution. Several formats of training have been given to the members of these departments. Powerpoints, videos, and presentations are all given to the employees regarding Stormwater Pollution Prevention. Specifically, the program, 'A Drop in the Bucket' was created for our employee training. The Operations Water Quality Guide has a description of the training our staff goes through.

How does the City of Kearney document policies and procedures for maintenance activities, schedules, inspections, controls for paved areas and activities required for operation and maintenance throughout the City, disposal of waste and maintenance of stormwater detention and treatment system?

The City of Kearney performs many procedures to document our efforts against stormwater pollution. Every City vehicle and machine is monitored via software for an efficient maintenance schedule. There are proper SOP for the VacCon and Street Sweeper to follow in order to have a continuous working system. These policies and procedures are documented in the Operations Water Quality Guide, which can be found at the City of Kearney Public Works Department.

Who is responsible for the overall management and implementation of the City of Kearney Good Housekeeping and Pollution Prevention program and program activities?

The City of Kearney Stormwater Manager is responsible for the overall management and implementation of the Good Housekeeping and Pollution Prevention Program. It is the responsibility of each Department/Division involved to implement their activities and report to the Stormwater Manager upon enquiry.

How will the City of Kearney evaluate the success of the Good Housekeeping and Pollution Prevention program and how were the measurable goals identified?

The City of Kearney has created and installed 'Effective Measures' throughout the Good Housekeeping and Pollution Prevention MCM. They are located at most BMPs and identified as a measurable goal through the process of our Annual Report sent in to the NDEE.

MCM 6: BMP 1: MUNICIPAL FACILITY MAINTENANCE ACTIVITIES

6.1.1 Coordinate reviews and updates of municipal facility evaluation and maintenance policy information in the MS4 Operations Water Quality Guide (OWQG), defines and describes the following:

- A listing and maps of all MS4 facilities, including storage yards, which are subject to maintenance activity best management practice policies.
- Lists of industrial facilities owned or operated by the City subject to NPDES Industrial Stormwater Discharge Permit with Notice of Intent or certificate of No Exposure for each facility attached.
- High Priority risk assessment policies for municipal maintenance facilities.
- Content and purpose of a Facility Runoff Control Plan developed for high priority municipal maintenance facilities.
- Describes building and grounds, vehicles and equipment (including maintenance, fueling and washing), product materials (including de-icing materials), bulk fluid storage and waste materials (including dredge spoil, accumulated sediments, floatables, debris, salvage products for reuse, and recyclables) best management practice policies for municipal maintenance facilities.
- Current policies, frequency, staff, contact information and required procedures for municipal facility site inspections, and time period for resolving identified maintenance.

Reference		Frequency
OWQG Section 1, 2, 4, Appendix B		Review: Annually
Report:	The OWQG Section has been updated in 2020. Outfalls were updated. Parks contacts were updated.	

6.1.2 Conduct municipal facility maintenance evaluations and record results of maintenance facility activities.

Reference:	Municipal Facility Inspections Tracking Form		
Responsible:	Stormwater Coordinator	Frequency:	On-going Annually
Goals:	Evaluation and Assessment:	Performance:	
ADMINISTRATION: Record the total number of facility inspections conducted during reporting period.	Recorded.	{{Yes}}	
ADMINISTRATION: Record at least one MS4 Oversight inspection per year at each municipal facility with an NPDES Industrial Stormwater Permit authorization (not routine or benchmark monitoring required of the NPDES Industrial Stormwater permit holder).	100%	{{100%}} of {{3}}	

ADMINISTRATION: Record at least one MS4 Facility Evaluation per five years at each municipal facility with an NPDES Industrial Stormwater Permit or No Exposure Certification.	100%	{{100%}} of {{1}}
ADMINISTRATION: Record if corrective actions have been identified, documented and addressed for every maintenance facility during the reporting period.	100%	{{100%}} of {{5}}
ADMINISTRATION: Maintain current status of each corrective maintenance identified but not resolved within the recommended 30-day period of time.	Record status.	{{Yes}}
EFFECTIVENESS: Record the dates and inspectors for two (2) inspections per year at each high priority maintenance facility.	100%	{{100%}} of {{6}}
EFFECTIVENESS: Record the dates and inspectors for one (1) inspection per year at each low priority maintenance facility.	100%	{{0%}} of {{6}}
EFFECTIVENESS: Record during oversight facility inspection of each municipal facility with an NPDES Industrial Stormwater Permit authorization whether facility is actively managing all Industrial Stormwater Permit requirements and or No Exposure Certification conditions including; training, routine inspections, benchmark monitoring, physical characteristics evaluations, SWPPP information, SWPPP updates, and required reporting criteria.	100%	{{100%}} of {{4}}
EFFECTIVENESS: Interim corrective maintenance is implemented when final corrective actions cannot be completed within 30-days of being identified during an inspection or complaint.	100%	{{100%}} of {{0}}
EFFECTIVENESS: Summarize the reason(s) corrective maintenance was not resolved within 30-days for each corrective maintenance record and what communication, education and/or enforcement was used to get the corrective maintenance resolved as soon as possible.	100%	{{100%}} of {{0}}
Satisfied:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Explanation: Oversight inspections were performed on each ISP and No-Exposure Certification holder. Hot Spot Evaluations were not conducted on all 'Low Priority Maintenance Facility.' This is done on a bi-annual basis (done on Even years, next scheduled to be performed in 2022).	

MCM 6: BMP 2: MUNICIPAL ROADWAY/PARKING LOT MAINTENANCE ACTIVITIES

6.2.1 Coordinate updates and maintenance of municipal roadway/parking lot maintenance policy information in the Operations Water Quality Guide (OWQG), which describes the following:

- Type of roadways (streets, roads, and highways) and which parking lots are impacted by maintenance activity best management practice policies that control floatables and other pollutants to the MS4.
- Current policies, frequencies and/or schedule, staff, equipment, contact information and required procedures for street and parking lot sweeping activities, and equipment calibration.
- Procedures for transportation and disposal of floatables and other pollutants collected as a result of roadway and parking lot maintenance activities.

Reference	Frequency
OWQG Section 3	Review: Annually
Report:	The street sweeping program was reviewed on 6/17/2021. Frequencies, routes, and procedures were reviewed. No changes were made.

6.2.2 Conduct and report municipal roadway and parking lot maintenance within the MS4 area.

Reference:	Municipal Sweeping Operations Tracking Form		
Responsible:	Stormwater Coordinator	Frequency:	Ongoing Annually
Goals:	Evaluation and Assessment:	Performance:	
ADMINISTRATION: Report hours of equipment usage and number of lane miles of streets swept.	Recorded	Hours {{1400}} Quantity {{5465 CY}} Miles {{9149}}	
ADMINISTRATION: Report number and dates of parking lots swept.	Reported	{{4}}	
EFFECTIVENESS: Verify that all public streets listed on the street maintenance plan were swept at least two times during the year.	100%	{{100%}} of {{4}}	
EFFECTIVENESS: All parking lots on the parking lot maintenance plan were swept at least once during the year.	100%	{{100%}} of {{4}}	
EFFECTIVENESS: Report number of instances that non-routine sweeping was requested and the number of sweeping events provided to address a public complaint or internal identification that non-routine street or parking lot sweeping was needed.	100%	{{100%}} of {{3}}	

Satisfied:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Explanation: The City of Kearney does not have staff devoted to specific full-time positions such as "Storm Sewer Maintenance." We have a crew, which is normally busy with concrete patching and/or plowing that we can call on to perform specific incidents as they arise. One of our crew is our weed spraying/VacCon operator. We have two fulltime street sweepers (During non-winter conditions). We hire an individual to cut/bail the City's biggest drainage basin on a regular basis (NE Kearney- 40 acres). Our Park and Rec Dept regularly mows the basin between 2 nd and 3 rd Avenues South of 11 th St and North of the Canal. Street Sweepers have yet to be fitted with software that tracks how many specific miles they clean by acknowledging when the brush is in action. Right now, I am accessing the odometer and hours logged, and the drivers count how many cubic yards per load they dump. The problem with keeping track of how many cubic yards is that each year the cleanliness of the streets varies. One year could be cleaner than another so it looks like we're not picking up as much and the thought is that we're not out cleaning as much as the previous year. This is why I have multiple aspects of record keeping.
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MCM 6: BMP 3: MUNICIPAL STORM DRAIN SYSTEM MAINTENANCE ACTIVITIES

6.3.1 Coordinate updates and maintenance of municipal storm drain system maintenance policy information in the MS4 Operations Water Quality Guide (OWQG), which defines and describes the following:

- Types of storm drain system attributes maintained through activity best management practice policies that control floatables and other pollutants.
- Policy, frequency and/or schedule, staff, equipment, contact information and required procedures for storm drain and open channel drainage system maintenance activities, including:
 - Inspecting inlets, open channels and other drainage structures
 - Disposing material extracted from inlets so that waste material will not re-enter the storm drain system
- Procedures to assess new and existing flood management locations for potential incorporation of water quality protection devices or practices as well as a list of all flood management (detention) locations within the MS4 boundary with water quality protection device or practices to control floatables and other pollutants.
- Procedure to dispose of materials swept so that waste material will not re-enter the MS4.
- Procedures to require any contractors hired by the Municipality to perform maintenance activities.

Reference	Frequency
OWQG Section 2, 4	Review: Annually
Report:	All trash truck operators were given a 'IDDE Reporting' card that details the process of reporting a spill or some suspicious materials in the street.

6.3.2 Conduct municipal storm drain system maintenance.

Reference:	Municipal Stormwater Operations Tracking Form
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Responsible:	Stormwater Coordinator	Frequency:	On-going Annually
Goals:	Evaluation and Assessment:		Performance:
MUNICIPAL STORM DRAIN INLET MAINTENANCE			
ADMINISTRATION: Report hours of equipment usage and number of storm drains cleaned.	Recorded	Hours: {{124}} Number: {{661}}	
EFFECTIVENESS: All storm drain inlets listed on the storm drain system maintenance plan were cleaned once every five (5) years.	100%	{{13.7%}} of {{4828}}	
EFFECTIVENESS: Report number of instances that non-routine storm drain inlet cleaning was requested and the number of storm drain cleaning events provided to address a public information request or internal identification that non-routine storm drain inlet cleaning was needed.	100%	{{100%}} of {{2}}	
MUNICIPAL STORM DRAIN PIPE MAINTENANCE			
ADMINISTRATION: Report hours of equipment usage and lineal feet of drainage system cleaned.	Recorded	Hours: {{124}} Feet: {{14,047}}	
EFFECTIVENESS: All of storm drain pipes listed on the storm drain system maintenance plan was cleaned once every ten (10) years.	100%	{{2.01%}} of {{696,770 l.f.}}	
EFFECTIVENESS: Report number of instances that non-routine storm drain pipe cleaning was requested and the number of storm drain pipe cleaning events provided to address a public complaint or internal identification that non-routine storm drain pipe cleaning was needed.	100%	{{100%}} of {{2}}	
MUNICIPAL STORMWATER DETENTION/RETENTION AREA MAINTENANCE			
ADMINISTRATION: Report hours of equipment usage and detention/retention areas cleaned and maintained.	Recorded	Hours: {{398}} Facilities: {{17}}	
EFFECTIVENESS: Verify that all detention/retention areas listed on the storm drain system maintenance plan were cleaned once every ten (10) years.	100%	{{100%}} of {{3}}	
EFFECTIVENESS: Report number of instances that non-routine detention/retention area cleaning was requested and the number of	100%	{{100%}} of {{25}}	

detention/retention cleaning events provided to address a public complaint or internal identification that non-routine detention/retention cleaning was needed.		
Satisfied:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Explanation: The City of Kearney does not have staff devoted to specific full-time positions such as "Storm Sewer Maintenance." We have a crew that we can call on to perform specific incidents as they arise. One of our crew is our weed spraying/VacCon operator. We have two fulltime street sweepers (During non-winter conditions). We hire an individual to cut/bail the City's biggest drainage basin on a regular basis (NE Kearney- 40 acres). Our Park and Rec Dept regularly mows the basin between 2 nd and 3 rd Avenues South of 11 th St and North of the Canal. A 'Master Detention Cell List' is being created to be implemented into our 'Stormwater Master Plan.' This constantly growing list consists of private (137 cells) and public (18 cells).	

MCM 6: BMP 4: MUNICIPAL OPERATION AND MAINTENANCE PROGRAM TRAINING

6.4.1 Coordinate updates and maintenance of training materials for distribution related to reducing stormwater pollution from municipal operation and maintenance activities in the Public Education and Outreach Strategy, which defines the following:

- Target messages and distribution methods for pollution prevention or reduction training related to municipal operation and maintenance activities.
- At least one target message for Public Employees involved in Parks and Recreation Operation and Maintenance Activities every reporting year.
- At least one target message for Public Employees involved in Transportation and Utilities Operation and Maintenance Activities every reporting year.
- At least one target message for Public Employees involved in Storm Sewer Operation and Maintenance Activities every reporting year.

Reference:				Frequency:	
The City of Kearney PEO Strategy				Annually	
Description	Target Audience	Messages	Methods/Resources	Last Provided	Next Due
Standard Procedures	City Staff involved with O&M	Prevent pollution from municipal operations throughout the City	City of Kearney- Operations Water Quality Guide	2021	2022
Maintenance Facility Runoff Control Plans	City Staff involved with O&M	Prevent pollution from municipal operations at municipal maintenance facilities	6 Facility Runoff Control Plans (Public Works, Golf Course, Cemetery, Yanney Park, Harmon Park, Patriot Park)	2021	2022

Supplemental Guides	City Staff involved with O&M	Prevent pollution from municipal operations at municipal maintenance facilities	City of Kearney- Municipal Facilities Target Activities Poster	2021	2026
Municipal Good Housekeeping Training	City Staff involved with O&M	Prevent pollution from municipal operations throughout the City	Live Training or Video	2021	2022
Pesticide Training	Pesticide Applicator Training	Prevent pollution from municipal operations where pesticides are applied	Live Training or Video	2019	2022
Report:	Monthly newsletters are sent out to every City employee. Normally, each spring a training session is had with the Park Supervisors, Maintenance crew, Golf Course crew, Transportation crew, and concrete crews. But, due to Covid-19, this was replaced with an informative newsletter to be read/signed. Each ISP facility acknowledges the monthly newsletters and keeps the pertinent ones in their ISP Binder onsite.				

6.4.2 Deliver training related to pollution prevention and reduction from municipal operation and maintenance activities conducted by Municipal Employees.

Reference:	Public Education and Outreach Tracking Form		
Responsible:	Stormwater Coordinator	Frequency:	Ongoing Annually
Goals:	Evaluation and Assessment:		Performance:
ADMINISTRATION: Deliver training to all Municipal Employee sectors identified to receive information for the reporting year.	100%		{{Yes}}
EFFECTIVENESS: Management staff for Parks and Open Space, Fleet and Building, Permanent Stormwater Treatment, and Storm Sewer Maintenance and Operation received training every even numbered calendar year.	75%		{{100%}} of {{All Full-Time City Employees}}
EFFECTIVENESS: Non-management, non-seasonal staff for Parks and Open Space, Fleet and Building, Permanent Stormwater Treatment, and Storm Sewer Maintenance and received training every odd numbered calendar year.	75%		{{89.2%}} of {{37 Number}}
EFFECTIVENESS: Seasonal staff for Parks and Open Space, Fleet and Building, Permanent Stormwater Treatment, and Storm Sewer Maintenance and received training every calendar year.	75%		{{100%}} of {{68}}
Satisfied:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Explanation: This year I sent out an informative newsletter to each park and asked their supervisors to have their seasonals read/sign the document then forward that document to me. I met with individually with park sector supervisors in the spring instead of all in one gathering (Due to Covid 19)		

MS4 PROGRAM SUPPORTING DOCUMENTS

NDEE NER210000 Procedural Brochure @CITYOFKEARNEY.ORG

Illicit Discharge Detection Elimination (IDDE) PROGRAM DOCUMENT @CITYOFKEARNEY.ORG

Construction Stormwater (CSW) PROGRAM DOCUMENT @CITYOFKEARNEY.ORG

Post-Construction Stormwater (PCSW) PROGRAM DOCUMENT @CITYOFKEARNEY.ORG

Operations Water Quality Guide (PP/GH) PROGRAM DOCUMENT @CITYOFKEARNEY.ORG



2021 NDEE Annual Report

COVID-19 Impact Description

The first known case of COVID-19 (Corona Virus) was confirmed in the United States on January 20, 2020. By March 6th the first case of COVID-19 were detected in the State of Nebraska. By March 17th there was a documented case in each of the fifty states. On March 17th, an email was sent from an NDEE Environmental Specialist NPDES Permit Writer to all MS4 Permit Holders. This email acknowledged the difficult time that the municipalities are going through as they adapt to the virus' impact. The email specifically states: "If an MS4 permittee is unable to complete a permit (SWMP) requirement due to any closure or absence reasons due to current conditions, please ensure that you have this recorded and written down."

In this letter I hope to describe scenarios that took place in the wake of the Corona Virus' introduction to our community:

-Over the course of 2021, the topic of vaccines has become a firestorm of debate. A substantial portion of the United States has declined to take the vaccination for reasons known only to them. The City of Kearney has never instigated a vaccine requirement for its employees and citizens, so knowing who is/isn't vaccinated is impossible to tell without directly asking and risking people getting defensive/offended/infected. The City of Kearney Administration sends out monthly newsletters to all employees and occasionally gives updates on the percentage of employees who are vaccinated. The last update provided was in October 2021, at that point 73% of City Employees were fully vaccinated and it can only have gone up since that time. However, due to incentives provided by the City of Kearney, this amount is fairly high compared to the rest of Buffalo County which is below 50% fully vaccinated (Covidactnow.org).

This general description is an attempt to illustrate why I (Dan Lillis, the Stormwater Manager for the City of Kearney) have not gone to in-person events OR invited others to in-person events.

There are a handful of departments/divisions within the City of Kearney that receive annual in-person training:

- Streets Division
- Facilities Maintenance Division
- Transportation Division
- Water Department

These departments/divisions still received monthly newsletters and job-specific newsletters that were required to be read, signed, and returned to the Stormwater Manager. The specific reasons for this decision were described above and specific City regulations are cited later in this memo.

-On December 9, 2020 a letter was forwarded to all registered participants of the 2021 Ft. Kearny Outdoor Expo by Julia Plugge (Outdoor Education Specialist of Game and Parks Commission). It stated that the Expo would not be in-person, at the park. Instead, the normal activities would be presented digitally, via zoom. However, after discussing with the usual volunteers/workers for the NebraskaH2O activity, it was determined that it was VERY difficult to convey the message of 'Stormwater Pollution' digitally. It is much more of a hands-on type of event. Therefore, the City of Kearney did not participate in this event. This event regularly provides our biggest opportunity for Public Education and Outreach. This is a two-day event and we normally have 5 sessions each day with 20 kids per session. This allows us to reach 200 kids and their teachers with a few Stormwater Pollution

Prevention activities. Also, in preparation for this event, a large amount of propaganda (tote bags, backpacks, water bottles, pens, sticky pads, key chains, etc...) that is labeled with 'NebraskaH2O.org' is handed out to the students. This amount normally equates to greater than \$2000. These bits of data are recorded and reported for that years NDEE Annual Report. This was not the case for the 2020 year. Grand Island and Kearney Stormwater Managers normally registered as activity hosts, with UNL Extension providing educators for assistance.

-On December 11th, 2020 the Pfizer-BioNTech Covid-19 Vaccine was made available to individuals 16 years and older. However, the priority were for the elderly, and people with immunocompromised systems. The majority of the population didn't start getting vaccinations until Spring 2021. Upon the release of the vaccine to the general public it was the City of Kearney that prompted to ask (not require) receiving a vaccine. I (Dan Lillis, Stormwater Manager for the City of Kearney) did not get my second vaccination dose of Pfizer until early April 2021, and later a booster shot of Pfizer in December 2021.

-On February 24 a mass email was sent out by the City Administration to all City personnel. This email acknowledged the parameters the City employees must follow. Included in this were:

- Practice Social Distancing of 6' or more whenever possible
- Prohibit all inter-departmental visits within the City
- Transition all in-person meetings to tele-conference meetings if possible
- Building access remains limited.

Other parameters were provided, but it is due to the above-mentioned parameters that the 'Kearney H2O' Steering Committee did not convene this year. One of the four meetings is a field trip that is imperative to the process and can not be replicated virtually online.

-An annual Spring meeting with all Park and Rec Sector Supervisors (20 staff members) was canceled due to gathering size. I eventually met with all these employees individually during the course of the Summer to discuss Hot Spot Evaluations at their sectors facilities. This actually turned out to be a better scenario because it allowed Sector Supervisors the time to ask site-specific questions.

CITY OF KEARNEY



Daniel Lillis
Stormwater Program Manager

2021 PEO Activities

Date	Event/Activity
January 4, 2021	Sent out Brochures to 54 Auto Industry businesses RE: Stormwater BMP's in their sector.
January 4, 2021	Sent out Brochures to 6 Concrete Transport companies RE: Stormwater BMP's in their sector.
January 4, 2021	Sent out Brochures to 12 local Developers/Engineers RE: Post-Construction Requirements.
January 4, 2021	Sent out a letter to Huss Salebarn RE: Livestock Transport issues w/ waste en route to salebarn.
January 28, 2021	Webinar with 10 Nebraska MS4 Permit holders RE: sub-committees for Post-Con, IDDE, and PEO.
February 1, 2021	Sent out Brochures to 147 Food Service companies RE: Stormwater BMP's in their sector.
February 19, 2021	Dan L. presented to the Kearney Planning Commission RE: Maintenance of Stormwater Management Facilities.
February 24, 2021	Development Services Newsletter with article RE: Maintenance of Stormwater Management Facilities.
March 1, 2021	Brochure RE: Recycling Household Hazardous Materials sent to 8600 addresses in Utility Flyer/Bill.
March 2, 2021	Sent out Brochures to 19 Utility Installing businesses RE: Stormwater BMP's in their sector.
March 2, 2021	Sent out Brochures to 143 Construction Contractors RE: Stormwater BMP's in their sector.
March 2,2021	Sent out Brochures to 42 Lawn/Landscape Businesses RE: Stormwater BMP's in their sector.
March 5, 2021	Dan L. presented Green Infrastructure projects to 55 people in webinar hosted by UNL Water/Neb Ext.
April 1, 2021	Article about Reduce/Reuse/Recycle and Earth day was in City Newsletter sent to 325 employees.
April 1, 2021	Sent out Brochures to 30 developers RE: Maintenance of Stormwater Management Facilities.
April 8, 2021	Met, as a member of the Stormwater Institute Advisory Committee RE: Water Env. Federation 2021 Schedule.
April 22, 2021	WEE, NMSA, and EPA hosted a National presentation about electronic reporting in Phase 2 MS4's in 2025.
April 22, 2021	Kearney Hub printed an article on Earth Day in paper.
April 22, 2021	Kearney Hub posted an article on Earth Day on their website.
April 23, 2021	The Prochaska family (7 members- 2 adults and 5 kids) cleaned up 4 bags of trash along RR St/University Dr. South
May 7, 2021	Press Release describing methods of disposing of Grass Clippings put on City website.
June 8, 2021	Dan L. presented a 45 minute webinar on 'Stormwater Programs' to Nebraska Conserve (20 people).
June 22, 2021	Dan L. presented a 1 hour description RE: Kearney's Stormwater Program to new Asst. PW Dir. Luke Dutcher.
July 2, 2021	Dan L. talked on the AM Radio Station 1340 'Talk of the Town' for 20 mins about Residential Stormwater Pollution.
July 22, 2021	PW Director, Andy Harter, spoke in front of 100 people @NEFSMA Conference RE: Impact of 2019 flood on pipes.
August 25, 2021	Dan L. met with 2 Citizens at 2002 Ave G over concerns about neighboring project ESC.
October 2, 2021	Dan L and 2 other City employees volunteered to help 6 citizens w/ a Pioneer Park Trash Cleanup- 4 hrs/>20 CY
October 13, 2021	Asst. PW Director, Luke Dutcher, pres. info on NPDES NER310000 Permit to 40 people; @Kearney Leadership Conf.
October 26, 2021	City of Kearney official Facebook Page posted 'Keep your Leaves Out of The Streets' post.
November 1, 2021	2 huge magnets, each describing stormwater pollution were placed on the VacCon machine.
November 3, 2021	Press release describing methods of disposing of Leaves was posted on City website.

November 4, 2021	Kearney Hub placed article in paper about proper leaf disposal process- Ref. City Ordinance.
November 4, 2021	Kearney Hub placed on their website about proper leaf disposal process- Ref. City Ordinance.
ALL YEAR	Development Review Team meets every Thursday and reviewed 50 projects detention/water quality needs.
ALL YEAR	Posted 53 tweets throughout the year that received 8,863 views.
ALL YEAR	Posted 55 Facebook Posts over the course of the year w/ 15,421 impressions.
ALL YEAR	Sent monthly Stormwater Newsletters to all 325 City Employees w/ ranging Stormwater topics.
ALL YEAR	KSNB/Gray Media played Stormwater TV PSA's from April to October.
ALL YEAR	Received/Responded to 52 calls/messages to Stormwater Manager/landline about Stormwater related topics.

