



CITY OF OMAHA
NPDES PERMIT FOR THE MUNICIPAL SEPARATE
STORM SEWER SYSTEM (MS4)
NE0133698
2024 ANNUAL REPORT



Submitted by:
Environmental Quality Control Division
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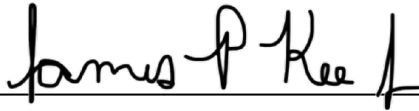
3/31/2024

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Report of 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, the information submitted 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 known violations. See 18 U.S.C. 1001 and 33 U.S.C 1319, and Neb. Rev. Stat. 81-1508 thru 81-1508.02.”



Signature of Authorized Representative or Cognizant Official

March 31, 2025

Date

James Kee

Printed Name

EQCD Manager

Title

Introduction

The third Omaha Municipal Separate Storm Sewer System (MS4) National Pollutant Discharge Elimination System (NPDES) Permit (NE0133698/PCS 999428) was issued by the Nebraska Department of Environment and Energy (NDEE) and became effective on April 1, 2018. The MS4 permit authorizes the City of Omaha to discharge stormwater from all existing City of Omaha owned or operated MS4 outfalls to the Elkhorn River, the Papillion Creek, the Missouri River, and their tributaries subject to the identified limitations and the Storm Water Management Plan (SWMP) as modified. The City's Environmental Quality Control Division (EQCD) oversees the administration of the permit and ensures that the City is in compliance with the permit requirements.

The MS4 permit was issued for a five-year period and expires on March 31, 2023. The NDEE issued an administrative extension to this permit on April 3, 2023. The MS4 permit identifies the current City of Omaha SWMP. The SWMP requires the City to submit an annual report. In addition, reports will be made available to the public on the Omaha Stormwater Program (www.omahastormwater.org) and Papillion Creek Watershed Partnership web sites (www.papiopartnership.org).

The City of Omaha Departments that participates in meeting the MS4 permit requirements include:

- Public Works Department
 - Environmental Quality Control Division
 - Street Maintenance Division
 - Sewer Maintenance Division
 - Construction Division
 - Design Division
- Parks, Recreation and Public Property Department
 - Park Maintenance
 - Golf Operations
- Fire Department
- Law Department
- Planning Department

The City is committed to partnering with several organizations to meet the MS4 requirements in the most efficient manner possible. The major partners are listed below. The City intends to continue developing additional partnerships throughout the permit cycle to meet the permit requirements.

- Keep Omaha Beautiful (KOB)
- Papillion Creek Watershed Partnership (PCWP)
- Douglas-Sarpy County Extension Office
- Papio-Missouri River Natural Resource District (P-MRNRD)
- University of Nebraska at Omaha

This report satisfies the annual reporting requirement and covers the calendar year from January 1, 2024 through December 31, 2024. The report is laid out as follows: the program minimum control measures (MCMs) are shaded, the permit requirements are underlined, and the City's description of permit compliance is in plain text.

A. Public Education & Outreach

1. BMPs 1, 3, and 4: Develop a plan for outreach that defines the goals, objectives, target audience and distribution process of materials for the public education and outreach program.

Target Goals & Implementation Schedule: Year 1 – Develop a 5-year education and outreach plan. Years 2-5 – Review and update the plan each permit year and include the revised plan in the Annual Report.

The City of Omaha developed in 2019 a 5-year education and outreach plan. The plan outlines the program goals, target audiences, distribution methods and strategies, tracking, and assessment. The plan was submitted with the 2019 MS4 Annual Report and is available upon request. There were no updates to the plan in 2024. Education and outreach efforts have continued throughout 2024. Below is a summary of those efforts.

Outreach Events and Material Distribution

In 2024, The City of Omaha Stormwater Program conducted 19 outreach events with the public, schools, commercial companies, and community organizations with 8,774 attendees. In addition, there were 10 distributions of outreach materials to various construction sites and the general public. Total physical outreach materials distributed by the Omaha Stormwater Program in 2024 was 2851. Outreach materials are also available on OmahaStormwater.org and in 2024 they were downloaded a total of 11,158 times. This includes brochures, children’s activities, fact sheets, manuals, and outreach materials.

The City continued to contract with Keep Omaha Beautiful, Inc. (KOB) in 2024 for stormwater education and outreach and to distribute educational information. KOB conducted 473 outreach events with 14,167 attendees. Total materials distributed at these events was 2,980. Outreach materials distributed covered topics concerning stormwater pollution, litter reduction, household hazardous waste, and more. An inventory of public education and outreach materials is provided in [Attachment E](#).

KOB events also included training and certification for teachers on environmental education, including stormwater runoff. Teachers who attended these events provided the number of students they would apply their training to, helping to better understand the full impact this training can have in the community. The total students reached from these teachers is 48,938. The table below summarizes these totals, except for student reach since that would represent potential attendees and not actual ones.

Outreach Events & Materials			
	Events	Attendees	Materials
Omaha Stormwater	19	8,774	2,851
OmahaStormwater.org downloads			11,158
KOB	473	14,167	2,980
Total	492	22,941	14,009

Topics at these events ranged from general stormwater education to rain harvesting workshops to information on green infrastructure. A summary table of these education and outreach events can be found in [Attachment D](#). Two specific events, the Sediment and Erosion Control Seminar and World O! Water, as well as other Education and Outreach efforts are described in further detail below.

- The City of Omaha Stormwater Program worked with the Douglas County Environmental Services, the Nebraska Department of Environment and Energy (NDEE), the Papio-Missouri River NRD, Environmental Protection Agency, Olsson, and ASP Enterprises, to present the annual Sediment and Erosion Control Seminar on February 1st, 2024. The event was held virtually and in-person. There were 437 people that attended the seminar. Presentations at the event included:
 - 2023 Construction Stormwater summary – Chris Anderson, City of Omaha Stormwater Program.
 - NDEE and Me: Take-a-ways from LaVista’s Small MS4 Inspection – Pat Dowse & Garrett Delgado, City of La Vista.
 - Contractor’s Case Study or Large-Scale Project SWPPP – Connor Mann, Jeremy Neville & Susannah Duly, Mortensen
 - Stormwater Management: Why are we doing this? – Adam Wilmes & Aaron Hirsh, Embris Group.
 - PCWP Policy Updates – Lori Laster, Papio-Missouri River NRD
 - EPA Green Infrastructure Program – Robyn DeYoung, EPA

- The World O! Water Festival event had another successful year in 2024. Activities focused upon water conservation, pollution prevention, and recreation. World O! Water promotes activities that allow event-goers to physically interact with the concepts being presented to them. Some example activities from 2024 were wastewater jeopardy, a recycle bin toss, rain barrel fishing, a new water pollution hockey game, and a 3D floodplain model. Additionally, World O! Water incorporated DIY activity sections. Attendees could work on fun games by themselves with little oversight. Some examples of these were excavating frozen animal figurines and a watercolor butterfly activity. World O! Water had 38 total participants at the event. Some examples of these were Keep Omaha Beautiful, Conservation Nebraska, the Invention Scouts, and the US Army Corps of Engineers. The Army Corps had an interactive stream table where you could learn about how water paths can be manipulated using engineering principles. Conservation Nebraska had a coloring activity on the water cycle as well as take home citizen science water testing kits. World O! Water had 1206 total attendees for the event. Overall, it was a fun and informative event. Based on a post-event survey by Keep Omaha Beautiful, 100% of participants were satisfied with the event, along with 100% of participants saying it was beneficial for them to attend. This was the 19th successful year the event was held.

In addition to the distribution of educational brochures and public outreach events, Keep Omaha Beautiful, Inc. coordinated several public service announcements (PSAs) and other information regarding stormwater pollution through radio, television, social media, and other means such as e-newsletters in 2024. In total there were 166 PSA’s with the breakdown by type provided in the table below. Topics and events addressed by these spots included stormwater pollution prevention, proper firework disposal, World O! Water, and storm drain marking.

PSA's	
Media Coverage	6
Partner Share/Mention	19
Paid Ad	8
E-News	5
Social media	128
Total	166

Website

The City of Omaha Stormwater Program website is OmahaStormwater.org. The website provides many resources for stormwater management and is organized generally by target audience: residential, commercial, construction, and industrial. From the website homeowners can learn of what they can do at their home to manage stormwater runoff. Industrial facilities can learn how to apply for a permit as well as resources to help them maintain compliance. Developers and engineers can access the necessary documents to apply for Grading Permits and Post-Construction Stormwater Management Plans (PCSMP). The Program has two additional websites, OmahaPlants.org and WorldOWater.org. OmahaPlants.org provides plant information for use in green infrastructure practices. WorldOWater.org focuses on the annual World O! Water family event and provides additional resources to support it.

On the website, the public can access the City's current MS4 permit, past and current annual reports, and submit complaints or comments through an online form. The Stormwater Program also maintains a Facebook Page and provides additional communication with the public. Regular status updates sharing facts on stormwater, demonstration projects, and other related information were posted and helped to connect the public to the Omaha Stormwater website.

In 2024, the three websites had a total of 21,796 sessions with 52,470 total page views. The Omaha Stormwater Program Facebook page had a total reach of 72,052. Tables compiling the monthly breakdown for OmahaStormwater.org and the Omaha Stormwater Program Facebook Page can be found in [Attachment D](#). Below is a summary of website traffic for the three websites in 2024.

2024 Website Summary

	Users	Page Views	Sessions
OmahaStormwater.org	11,701	27,353	17,765
OmahaPlants.org	869	2,342	1,027
WorldOWater.org	2,616	22,755	2,997
Total	15,186	52,470	21,729

Signage

On-site, educational signage has been placed at many of the City's demonstration projects over the years, including at the UnderTheSink Facility, Orchard Park, Saddlebrook Joint Use Facility, Metropolitan Community College (MCC) Fort Omaha Campus, Creighton Prep, the University of Nebraska Omaha Welcome Center, Benson East Entrance at 58th & Maple, and Dundee Elementary School. No new signs were installed in 2024. Smaller, non-site-specific signs for rain gardens and permeable pavement have been developed and can be placed at other City green infrastructure (GI) project sites.

Educational signs were placed at Orchard Park, Adams Park, Saddlebrook Community Center, Saddle Hills Park, Zorinsky Aquatic Center, Prairie Lane Park, and Spring Lake Park. These signs encouraged participants to explore green infrastructure installations that they may not have even realized were green infrastructure measures located near them. Efforts will be implemented in 2025 to assess condition and maintenance needs of the educational signs.

In addition to signage at demonstration projects, fact sheets for City of Omaha GI projects have been developed to share basic information on each project with the community. There are 26 project fact sheets, and these are shared with participants on tours and other outreach events. These GI fact sheets have also been uploaded to the Omaha Stormwater Program’s website, OmahaStormwater.org, for public access and linked to their respective projects. Information provided includes photos, background information, and other project details. No new project fact sheets were developed in 2024.

Pet Waste Campaign

The City of Omaha Stormwater Program developed and implemented a pet waste campaign in 2009. Advertisements were developed and published in several publications and locations across the city. We continue to use these materials today as part of our education and outreach program. It was a very successful campaign and won the Silver Award in the Total Advertising Campaign category from the Eighth Annual Service Industry Advertising Awards. In 2024, 390 pet waste dispensers and 22 pet waste brochures were distributed at outreach events. Pet waste bags are also supplied to two dog parks through Omaha Dog Park Advocates. In 2024, a total of 38,400 bags were distributed to those parks.

This permit requirement continues to be met.

2. BMP 2: Maintain and update appropriate messages for targeted residential, construction, and commercial issues.

Target Goals & Implementation Schedule: Year 1 – Inventory current outreach materials in each of these targeted areas and develop new materials as needed. Years 2-5 – Provide copies of new outreach materials in the annual report.

The City of Omaha Environmental Quality Control Division has developed many outreach materials over the years. As reported in the 2019 Annual report these materials have been inventoried and categorized into the following target areas: residential, construction, commercial, and industrial. In 2024, four new brochures were added to our outreach materials. They are titled, “Auto Maintenance at Home”, “Celebrate Safely with Fireworks”, “Swimming Pool and Spa Discharge”, and “Erosion Control at Home”. All materials are available online at OmahaStormwater.org

This permit requirement continues to be met.

B. Public Participation & Involvement

1. BMP 1: Provide opportunities for citizens to comment on new rules, ordinances, and regulations regarding the MS4

Target Goals & Implementation Schedule: On-Going All Years – Post on the City Stormwater Website proposed changes to rules, ordinances, and regulations. Provide information in the annual report on approved changes and input received from the public.

There were no changes to rules, ordinances, or regulations in 2024.

This permit requirement continues to be met.

2. BMP 2: Create opportunities for citizens to participate in the implementation of stormwater controls.

Target Goals & Implementation Schedule: On-Going All Years – Post on the City Stormwater Website opportunities for public involvement in stormwater control related activities.

The City of Omaha Stormwater Program’s website is regularly updated throughout the year with information on opportunities for citizens to participate. Events and information include the Sediment & Erosion Control conference, World O! Water festival, proper handling of fireworks debris, and various outreach events. Social media, including the Omaha Stormwater Facebook Page, the City of Omaha’s Public Works Twitter account, and Keep Omaha Beautiful’s Facebook Page and Twitter account is used to further educate and engage with the public on stormwater-related topics.

The public is also encouraged to attend the Papillion Creek Watershed Partnership’s meetings held regularly throughout the year, to discuss watershed and water quality policies. There were three meetings held in the 2024 calendar year. The following table summarizes the times and attendance for the meetings.

Date	Count	Target Market	Comments
03/28/2024	15	Partnership Members	Partnership Meeting
04/25/2024	16	Partnership Members	Partnership Meeting
11/18/2024	15	Partnership Members	Partnership Meeting

Storm Drain Marking

KOB coordinated neighborhood groups and scout troops in 2024 to mark and clean storm sewer inlets. In total, 1,067 inlets were marked with disks. Inlets were also cleaned during these events, 22 bags of trash and recyclables were collected. There were 272 inlets cleaned that were already marked. Through KOB’s coordination, 139 youth and adult volunteers participated in inlet marking, totaling 299 hours of community service hours. Bilingual “Only Rain Down the Storm Drain” educational door hangers (which highlights HHW and Under the Sink) are distributed to individuals living near storm drains that were marked. A total of 1,036 of these educational door hangers were distributed. KOB also provides inlet marking discs to contractors installing storm sewers in the Omaha area. In 2024, a total of 127 discs were sold to contractors.

Dog Parks

The City of Omaha has partnered with the Omaha Dog Park Advocates by supplying Pet Waste Bag Stations and Pet Waste Bags for the two dog parks in Omaha. The Advocates keep the dispensers supplied with bags and submit a count to EQCD. A total of 38,400 bags were distributed during 2024.

This permit requirement continues to be met.

3. BMP 3: Provide access to information about the City's SWMP

Target Goals & Implementation Schedule: *On-going All Years – Maintain current City SWMP and MS4 annual reports on the Omaha Stormwater website.*

The Omaha Stormwater website is current with the 2023 Annual Report and current version of the SWMP. The website will be updated with the 2024 Annual Report upon its completion.

This permit requirement continues to be met.

C. Illicit Discharge Detection & Elimination

1. BMP 1a: Maintain a compliance plan or mechanism to follow up on illicit discharges.

Target Goals & Implementation Schedule: *On-going All Years – Maintain the compliance procedures per the permit requirements.*

The City of Omaha’s compliance plan is titled the Omaha Environmental Enforcement Manual and was submitted with the 2019 MS4 Annual Report and is available upon request. This manual describes the City’s enforcement goals, process and mechanisms, program priorities, and civil penalty policy. No updates were made in 2024.

This permit requirement continues to be met.

2. BMP 1b: Maintain a map showing all known MS4 outfalls and the location of all state-designated waters receiving direct discharges from MS4 outfalls.

Target Goals & Implementation Schedule: *On-Going All Years – Maintain a continually updated storm sewer system map per the permit requirements.*

The City of Omaha’s Sewer Maintenance Division is responsible for maintaining and updating the separate storm sewer system map, in addition to sanitary and combination sewers. EQCD utilizes this information to catalogue outfalls and support outfall screening efforts. The mapping of State-designated waters is maintained by the City’s GIS department. They utilize USGS data and LiDAR flown periodically for the City to identify waterbodies and maintain the map layer. GIS map layers of impaired waters are obtained from the Nebraska Department of Environment & Energy (NDEE), <http://deq.ne.gov/Publica.nsf/Pages/WAT251>.

This permit requirement continues to be met.

3. BMP 1c: Conduct field screening activities per the permit requirements (set forth in 40 CFR Part 122.26(d)(1)(iv)(D)) specifically geared to local TMDL pollutants of concern such as *E. coli* and to eliminate illicit discharges.

Target Goals & Implementation Schedule: *Year 1 – Develop dry-weather screening, sampling, and quality control plan to address pollutants of concern. Conduct screening under current plan during Year 1. On-Going All Years – Annually conduct dry-weather monitoring according to screening and sampling plan.*

There were 668 potential outfalls identified by EQCD using GIS collected information. In 2024, the GIS information was reviewed to ensure all applicable outfalls are being screened.

When potential outfalls are identified through an annual review of sewer GIS data, they are classified as new to the outfall inventory for screening. Once screened, the outfalls are then classified as priority outfalls if they are 72” or greater or had a documented illicit discharge, regardless of size. Priority outfalls are screened annually. Outfalls that are documented with an illicit discharge are updated to priority status and screened annually for the next three years. If no illicit discharge is observed in those three years and it is less than 72”, its status is updated to non-priority. Annexations of Sanitary & Improvement Districts (S&IDs) can occur

periodically. When this occurs, all annexed outfalls are added as new to the outfall inventory for field screening. Based on the field screening, they are then classified as being a priority outfall or not. CityWorks asset management software is used to document outfall screening efforts.

All outfall screenings are conducted after 48 hours of dry weather. An outfall reconnaissance inspection form is completed and a Physical Characteristics Examination is completed, if flow is present. If an illicit discharge is encountered EQCD Inspectors are to call supervisory staff immediately. The supervisor reviews the findings with the inspectors, allocates additional resources needed to assist, and an investigation begins to determine the source of the illicit discharge. If the source of an illicit discharge or connection is found, they will be notified to cease the discharge immediately. They will then be issued a written request, warning, or violation and be required to eliminate the discharge to prevent reoccurrence. Photographs are taken of outfalls to be kept as a record of outfall conditions during the inspection.

Field screening in 2024 has been consistent with previous years. Any outfall with an obvious or suspicious discharge was to be reported immediately to EQCD. In total, there were 214 outfall screenings in 2024. They were entered into the City of Omaha's CityWorks asset management system. City of Omaha EQCD staff screened all 95 outfalls identified the previous year as priority outfalls. There were 119 outfall screenings of non-priority outfalls. There were no new outfalls acquired in 2024 through S&ID annexations or through reconnaissance practices.

This permit requirement is being met.

4. BMP 1d: Implement procedures to investigate and trace sources of identified illicit discharges to the MS4.

Target Goals & Implementation Schedule: On-Going All Years – Document investigations and include date observed, result of investigation(s), and date closed.

The Omaha Stormwater Program operates a hotline, 402-444-3908, and a reporting form at OmahaStormwater.org to receive complaints from the public regarding stormwater issues, including illicit discharges. An Illicit Discharge Detection and Elimination (IDDE) Standard Operating Procedure (SOP) has been developed and is used to investigate and eliminate sources of illicit discharges. Inspections and supporting information for each complaint is tracked in CityWorks. A total of 132 storm water related complaints were received and inspected in 2024. As a result of inspection 82 of the complaints were found to be valid, 42 were invalid, 6 having an illicit discharge associated with it, and 1 being forwarded to other City Departments. A summary of 2024 complaint investigations that involved illicit discharges is provided in the table below.

Date Initiated	Actual Finish	Address	Material Discharged	Resolution
02/26/2024	02/26/2024	9905 Q St. Omaha NE, 68127	Gasoline	RVC - Verbal
08/29/2024	08/29/2024	5520 Northwest Dr. Omaha NE, 68104	Diesel	RVC – Verbal
09/26/2024	10/03/2024	N 99 th St. & Redick Cir. Omaha NE, 68110	Oil	RVC – Verbal
10/11/2024	10/17/2024	N 22 nd St & Saratoga St. Omaha NE, 68110	Oil	No responsible party found
10/15/2024	10/21/2024	8795 Frederick St. Omaha NE, 68124	Water	RVC - Verbal
12/09/2024	02/07/2025	1516 S. 32 nd St. Omaha NE, 68105	Oil	RVC - Verbal

This permit requirement is being met.

5. BMP 1e: Implement procedures to remove illicit discharges to the MS4. Document all interactions with potentially responsible parties.

Target Goals & Implementation Schedule: *On-Going All Years – Use the code enforcement procedures to eliminate unauthorized non-stormwater discharges identified during an investigation.*

Chapter 32 of the Omaha Municipal Code is the Stormwater Management Ordinance for the City of Omaha. Article II specifically addresses illicit discharges. Additionally EQCD works with the Planning Department’s Plumbing Division to remove illicit connections when encountered. The Omaha Environmental Enforcement Manual describes the City’s process and mechanisms to obtaining compliance. A summary of all complaints is included in [Attachment B](#). Of the 132 complaints that were investigated, the nature of the complaint was validated for 74 of them. A summary of the inspections and their resolutions in 2024 is provided in the table below.

Resolution Summary	
No responsible party found	1
RVC - Verbal	39
RVC - Written	4
LOW	0
NOV	0
Forwarded to Adjacent MS4	1
Forwarded to Other	0
Other resolution	29

This permit requirement is being met.

6. BMP 1f: Identify and address allowable non-stormwater discharges determined to be significant contributors to pollutants. Identify any additional non-stormwater discharges that will not be addressed as illicit discharges.

Target Goals & Implementation Schedule: *On-Going All Years – Report on any local controls or conditions placed upon exempt non-stormwater discharges and additional identified exempted non-stormwater discharges.*

No additional local controls or conditions were placed on allowable non-stormwater discharges in 2024. There were no additional allowable non-stormwater discharges identified as non-illicit discharges in 2024.

This permit requirement is being met.

7. BMPs 2 & 3: Coordinate with adjacent permitted MS4s to report illicit discharges to the appropriate authority having jurisdiction and respond to reports from other MS4s.

Target Goals & Implementation Schedule: *Year 1 – Develop procedures for coordination with adjacent permitted MS4s. On-Going All Years – Include in the annual report any known illicit discharge reports to and from adjacent MS4s.*

The Omaha Stormwater Program operates a hotline, 402-444-3908, and a reporting form at OmahaStormwater.org to receive complaints from the public regarding stormwater issues. These options for reporting complaints and illicit discharges are promoted through the Papillion Creek Watershed Partnership (PCWP). Complaints received by the Omaha Stormwater Program located in adjacent MS4s are forwarded immediately to the Authority Having Jurisdiction (AHJ) for investigating. Complaints received by adjacent MS4s that are in the City of Omaha limits or it's Extra Territorial Jurisdiction (ETJ), are immediately forwarded over to EQCD. The City of Omaha has a Memorandum of Understanding with Douglas County's Department of Environmental Quality and the Nebraska Department of Transportation (NDOT) to coordinate and cooperate on illicit discharge investigations and other stormwater permit-related activities. Through the inter-local agreement with the PCWP, IDDE is identified as a program area of cooperation between members.

There was one complaint forwarded to an adjacent MS4s in 2024.

This permit requirement is being met.

8. BMP 4: Maintain written procedures for the IDDE component of the MS4 permit.

Target Goals & Implementation Schedule: *On-Going All Years – Make available upon request the standard operating procedures developed under this program component.*

The City is maintaining written procedures for the IDDE component of the MS4 permit and will provide a copy of the standard operating procedures developed under this program element upon request.

In 2020, an EPA audit of the City of Omaha's MS4 Permit took place and one of the initial findings from that audit indicated that the IDDE procedures lacked detail on "how to respond, enforce and eliminate, non-stormwater discharges". In 2022, the City of Omaha reviewed existing SOPs, guidance, and also reviewed other municipalities' IDDE programs as part of updating the IDDE procedures. The Center for Watershed Protection's IDDE Guidance Manual has continued to be a resource for the program during this time of review and updates. The final draft of the updated IDDE SOPs was completed in 2024.

This permit requirement is being met.

9. BMP 5: Receive reports and complaints, internally and from the public, of illicit discharges and illegal dumping into the MS4. Respond to and investigate complaints about spills, dumping, or disposal of materials other than stormwater to the MS4.

Target Goals & Implementation Schedule: *On-Going All Years – Coordinate with others in the City to resolve complaints. Develop a system to generate reports and track the number of calls per year in regard to spills, dumping or improper disposal of materials to the MS4. Include a count of complaints received and investigations completed in the annual report.*

The Omaha Stormwater Program operates a hotline, 402-444-3908, and an online reporting form at OmahaStormwater.org to receive complaints from the public regarding stormwater issues, including illicit discharges. In addition to these options, the City of Omaha also operates the Mayor’s Hotline, 402-444-5555 and the OmahaHotline.com website for citizen reporting of issues. CityWorks is an asset management system that the Omaha Stormwater Program and other City departments utilized to track complaints received. Notification of complaints relating to stormwater runoff are sent by service requests (SR). Once received, they are reviewed to ensure they are applicable to the Stormwater Program. Complaints not applicable are forwarded to the appropriate City Department or outside agency. If applicable, a work order (WO) is created and assigned to an Environmental Inspector who will investigate the complaint and determine if the reported issue is valid. If the issue is validated the inspector will, work to correct the issue(s) as needed, determine responsible party, and resolve the identified issues.

A total of 132 complaints were received in 2024 resulting in an inspection by the Omaha Stormwater Program. Out of the 132 complaints inspected, the nature of the complaint was validated for 82 of them. A summary of the complaints inspected is included in [Attachment B](#).

This permit requirement is being met.

10. BMP 6: Develop, implement, and maintain a training program for municipal field staff with respect to the IDDE.

Target Goals & Implementation Schedule: *Year 1 – Develop a strategy which identifies field staff and appropriate levels of training. Years 2-5 – Provide a count of employees which have received training in the annual report.*

The City of Omaha Stormwater Program has developed an IDDE Training Strategy and is available for review. In 2024, we used a training video given out by the Omaha Stormwater program that discusses IDDE topics in detail as well as facilitating group training on site at the City joint use facility 5225 Dayton Street. There were 47 training events with a total attendance of 571 municipal field staff. Besides general stormwater pollution prevention awareness topics, IDDE has been included in the training provided as part of the FRCP program. At training events, resources about IDDE are made available to staff to learn more and to use at their work locations. A summary table of these events is included below.

Date	Topic	Attendance #
1/8/2024	FRCP Training-Troy Lorenz	2
1/23/2024	EI Training & Safety Toolbox	12
3/26/2024	EI Training & Safety Toolbox	9
4/15/2024	FRCP Training-Ray Hutzal	35
4/24/2024	Rain Barrel Program 2024	11

Date	Topic	Attendance #
5/13/2024	FRCP Training - Sean Gipson	3
5/14/2024	FRCP Training - John Brown	4
5/14/2024	FRCP Training - Kenneth Bridsley	1
5/14/2024	FRCP Training-Troy Staroscik	5
5/16/2024	FRCP Training - Kayleen Youch	3
5/20/2024	FRCP Training-Todd Spark	5
5/20/2024	FRCP Training-Reginald Johnson	10
5/20/2024	FRCP Training-Douglas Tietsort	26
5/21/2024	FRCP Training-Dawaune Hayes	25
5/21/2024	FRCP Training-Scott Gordon	33
5/24/2024	FRCP Training-Gabe Astorino	8
5/29/2024	Grading permit review training	3
6/3/2024	FRCP Training-Jeff Saltzman	20
6/4/2024	EI Training & Safety Toolbox	11
6/4/2024	FRCP Training-Erik Frampton	17
6/20/2024	FRCP Training-Dave Coon	24
7/1/2024	FRCP Training-Ned Tramp	57
7/9/2024	EI Training & Safety Toolbox	11
7/18/2024	FRCP Training-Chris Braun	12
8/5/2024	IDDE/FRCP Training-EQC Staff	2
8/8/2024	FRCP Training - CCSM/D2	3
8/8/2024	FRCP Training - Gabe Astorino	6
8/8/2024	FRCP Training-Mitch Moehling	6
8/13/2024	IDDE/FRCP Training-EQC Staff	16
8/22/2024	WO!W Pre-Event Training	12
9/3/2024	EI Training & Safety Toolbox	10
9/9/2024	Grading Permit & PCSMP Training with OPW-Design	25
9/9/2024	FRCP Training-Bill Anderson	12
10/1/2024	EI Training & Safety Toolbox	10
10/22/2024	FRCP Training-Kenny Tolliver-Humpal	11
10/30/2024	FRCP Training-James Bayly	10
10/30/2024	FRCP Training-Nathan Kintzle	26
11/5/2024	FRCP Training-Justin Johnson	6
11/8/2024	FRCP Training- Jared Kalin	1
11/15/2024	FRCP Training-Mark Gannon	12
12/2/2024	FRCP Training-Jerry Wynn	7
12/3/2024	EI Training & Safety Toolbox	12
12/6/2024	FRCP Training-Jeremy Bridges	22
12/9/2024	FRCP Training-Richard Ronk	3
12/9/2024	FRCP Training - Scott Charron	5
12/17/2024	FRCP Training-Jenny Proescholdt	7

This permit requirement is being met.

D. Construction Site Program

1. BMP 1: Maintain the established program requiring operators of public or private construction activities to comply with local erosion and sediment control requirements.

Target Goals & Implementation Schedule: *On-Going All Years – Include any updates to City Code or Permit requirements in the annual report.*

The City of Omaha’s Environmental Quality Control Division continued to implement the Grading Permit Program in 2024. The PCWP General Grading Permit Terms and Conditions were updated and became effective on November 14, 2022. The updates were made to stay consistent with the NDEE’s Construction Stormwater Permit NER210000 that was issued and became effective on December 1, 2021. The Grading Permit Terms and Conditions are available at OmahaPermix.com and OmahaStormwater.org.

This permit requirement is being met.

2. BMP 2: Maintain a compliance plan or mechanism to follow up on construction site non-compliance.

Target Goals & Implementation Schedule: *On-Going All Years – Maintain the compliance procedures per the permit requirements.*

The City of Omaha’s compliance plan is titled the Omaha Environmental Enforcement Manual. This manual describes the City’s enforcement goals, process, program priorities, enforcement and civil penalty policy. There were no updates to the manual in 2024.

This permit requirement is being met.

3. BMP 3: Review grading permit applications and maintain a continually updated inventory of all private and public construction sites.

Target Goals & Implementation Schedule: *On-Going All Years – Include in the annual report the number and type of grading permits reviewed.*

The Public Works Department, Environmental Quality Control Division, reviews the grading permit applications and the associated Storm Water Pollution Prevention Plans (SWPPP). The SWPPP must meet the requirements specified in the Omaha Regional Storm Water Design Manual for a grading permit to be issued. Sites with 5 acres or greater of land disturbance are given priority over sites less than 1 to 5 acres of land disturbing activity.

The City of Omaha issued a total of 170 permits in 2024 with 110 permits for sites greater than or equal to 5 acres and 60 permits issued for sites greater than or equal to 1 acre but less than 5 acres in size. During 2024, there were a total of 515 active permits. The Omaha Municipal Code Section 32-101 (Grading Permit Required) requires a project to obtain a grading permit on sites sufficiently large enough to require a general NPDES construction stormwater discharge permit.

This permit requirement is being met.

4. BMP 4: Maintain the electronic records for inspection of construction sites and enforcement of erosion and sediment control measures.

Target Goals & Implementation Schedule: *Year 1 – Develop a strategy for site inspections by municipal staff and include in the annual report. On-Going All Years – Inspect construction sites on a regular basis and on a complaint basis. Track the number of sites inspected annually in a database. Initiate enforcement proceedings as appropriate to address violations. Include a summary of inspections completed and enforcement actions taken in the annual report.*

EQCD administers the inspection program for Erosion Control, both within the City of Omaha’s jurisdiction as well as the Papillion Creek Watershed Partnership’s (PCWP) individual members’ jurisdiction. The City’s Grading Permit Program requires that the owners of active sites assign a Project Inspector to do inspections weekly and within 7 calendar days. In the 2024 calendar year, reports were submitted to an online permitting and reporting website, OmahaPermix.com, by City Inspectors and Project Inspectors for construction. The table below accounts for the reports submitted for sites within the City of Omaha’s jurisdiction.

	City Inspection Reports	Private Inspection Reports
Phase I Sites (>5 acres)	1,554	15,844
Phase II Sites (<5 acres)	825	8,684
Total	2,379	24,528

The first step, as outlined in the City of Omaha’s Enforcement Manual, is a Request for Voluntary Compliance (RVC). If the permit holder does not bring the site into compliance, a Letter of Warning is sent, regarding the issue(s) and establishes a timeline for compliance. If the permit holder fails to bring the site into compliance by the established timeline, a Notice of Violation is issued and may include a penalty. In 2024, there were 461 Requests for Voluntary Compliance (RVC) during City inspections. When EQCD receives a complaint regarding a permitted grading site, the City Inspector visits the site and files a complaint inspection. There were 135 complaint inspections conducted on 96 permitted grading sites, with 96 of those inspections including verbal RVC.

This permit requirement is being met.

5. BMP 5: Provide training for municipal staff with respect to their assigned duties as it relates to sediment and erosion control from construction activity. One formal training course for inspection staff during their employment with the City and internal training on an as-needed basis to maintain consistent reporting among all inspectors.

Target Goals & Implementation Schedule: *On-Going All Years – Include in the annual report the number of staff and their sediment and erosion control training.*

City of Omaha’s Environmental Quality Control Division of the Public Works Department, Environmental Inspectors who conduct inspections for sediment and erosion control must enroll and pass the Nebraska Local Technical Assistance Program’s (LTAP) Erosion and Sediment Control for Inspectors. The training is a full-day course and includes a test at the end that if passed, the inspector becomes certified. This certification is valid for 5 years. When the certification expires, inspectors enroll for an online course to renew their

certification. There are 13 active certified inspectors in the City of Omaha’s Environmental Quality Control Division (EQCD).

In 2024, EQCD continued to incorporate sediment and erosion control training into the regular monthly safety toolbox meetings. Topics that are covered include review of inspection processes, enforcements, and open discussion to discuss current issues among staff. A summary of 2024 sediment and erosion control trainings is provided in the table below.

Date	Topic	Attendance
1/23/2024	EI Training & Safety Toolbox	12
3/26/2024	EI Training & Safety Toolbox	8
6/4/2024	EI Training & Safety Toolbox	12
7/9/2024	EI Training & Safety Toolbox	11
8/13/2024	EI Training & Safety Toolbox	15
8/22/2024	EI Training & Safety Toolbox	12
9/23/2024	EI Training & Safety Toolbox	10
10/11/2024	EI Training & Safety Toolbox	12
12/3/2024	EI Training & safety Toolbox	13

This permit requirement is being met.

- BMP 6: Communicate with the regulated community and other groups affected by the Construction Site Runoff program and provide a mechanism to receive complaints from the public.

Target Goals & Implementation Schedule: On-Going All Years – Conduct workshops for developers, builders, site designers, contractors, and/or City staff as determined necessary (i.e., a rule or regulation is changed). Track reports from the public regarding construction sites. Include the number of reports received in the annual report and the permittees response.

Communication

The City of Omaha held multiple outreach events with the regulated community, including the events listed in the table below. Outreach materials are handed out at these events and participants are encouraged to visit OmahaStormwater.org for additional information and resources. Phone calls, emails, and many other types of communications happen as part of regular job duties where City staff provide information and resources to support sediment and erosion control efforts in the community.

Date	Event Name	Activity Type	# of Attendees/ Reach	Location	Details/Comments
1/5/24	Activity Books Distribution	Distribution	100	Gretna Elementary Schools	James Keepers, chairperson of the Gretna Arbor Society (Tree Board), received 100 "World O Water Activity and Coloring Books" to pass out to elementary school students in Gretna.
2/1/24	SEC Seminar	Public Outreach	243 in-person, 194 virtual	Scott Conference Center	Sediment and Erosion Control Seminar, hand out information
2/14/24	Bioretention Manuals Distribution	Distribution	N/A	Nebraska Statewide Arboretum/ NFS	Sarah Buckley with Nebraska Statewide Arboretum distributes these manuals during rain garden workshops that the Nebraska Forest Service and Nebraska Statewide Arboretum hosts
3/1/24-3/3/2024	Home and Garden Expo	Public Outreach		CHI	2024 Home and Garden Expo. Several different vendors, contractors
4/11/24	STEM Night Indian Hills	Public Outreach	52	Indian Hills Elementary School	Stormwater model presentation for the kids and handed out certificates
4/18/24	SEC Flipbook Distribution	Distribution	3	Structures Paving	Mark Ermeling provided flip guides to paving foreman from Structures Paving
4/23/2024	Lauritzen Gardens Festival	Public Outreach	2050	Lauritzen Gardens	Stormwater presentation and obstacle course going over stormwater pollution and general knowledge
4/25/2024	Kennedy STEAM Night	Public Outreach	200	Kennedy Elementary	Stormwater model presentation for the kids and handed out certificates
4/27/24	Earth Day	Public Outreach	4000	Elmwood Park	Stormwater Booth. We unveiled our Rain Barrel Program.
Starts on 5/2/24	Rain Barrel Giveaway	Distribution		UTS	Giving away about 200 barrels for free. Also handing out rain barrel brochures with each. Sent 225 brochures to UTS.
5/5/24	Westview Arbor Day	Public Outreach	131	Lake Cunningham	Stormwater Booth. Gave out brochures and spoke about stormwater pollution.

Date	Event Name	Activity Type	# of Attendees/ Reach	Location	Details/Comments
06/01/24	Rain Barrel Workshop	Public Outreach	36	Kroc Center	We did a rain barrel presentation and education workshop with KOB. We gave away 22 completed rain barrels. 36 people total in attendance.
6/12/24	SEC Flipbook Distribution	Distribution	2	Valley View site	EI gave 2 flip books the Superintendent for Prairie Construction they're my Valley View site.
6/8/24	Rain Barrel Workshop	Public Outreach	22	Learning Community Center-24th Street	We did a rain barrel presentation and education workshop with KOB. We gave away 18 completed rain barrels. 22 people total in attendance.
7/10/24	Outdoor Day-Family Camp	Public Outreach	N/A	1815 N St: City Sprouts South	We attended an event with the learning community center of south Omaha. We had our stormwater booth and brought our Frisbee game that teaches about recycling and our rain barrel to teach about green infrastructure.
7/15/24	Outdoor Day-Family Camp	Public Outreach	N/A	1815 N St: City Sprouts South	We attended an event with the learning community center of south Omaha. We had our stormwater booth and brought our Frisbee game that teaches about recycling and our rain barrel to teach about green infrastructure.
7/22/24	Outdoor Day-Family Camp	Public Outreach	N/A	1815 N St: City Sprouts South	We attended an event with the learning community center of south Omaha. We had our stormwater booth and brought our Frisbee game that teaches about recycling and our rain barrel to teach about green infrastructure.

Date	Event Name	Activity Type	# of Attendees/ Reach	Location	Details/Comments
7/26/2024	Kid College Day	Public Outreach	12	Missouri River WRRF & Spring Lake Park	We had a parent and me class with MCC. They toured the treatment plant and then we toured them around Spring Lake Park and discussed green infrastructure, stormwater runoff, and did a nature scavenger hunt.
7/30/24	SEC Flipbook Distribution	Distribution		Mayfair 2nd addition site	2 Flip books were given to the foreman for McAninch grading who is doing the site grading for the Mayfair 2nd addition
8/8/24	Conservation Nebraska webinar	Public Outreach	9	Virtual	
9/7/24	World O! Water	Public Outreach	1206	Chalco Hills Recreation Area	We had our annual World O! Water event which brings together the community to learn about water conservation, recreation, and stewardship
9/20/24	SEC Flipbook Distribution	Distribution		168th street widening project	2 Flip books were given to Platte River Concrete official
9/24/24	SEC Flipbook Distribution	Distribution		Iron Bluff Elementary School	2 Flip books were given to a Valley Corp Crew during an inspection
9/29/24	Walk and Dog Fest	Public Outreach		Nebraska Humane Society	We had our stormwater booth at the Nebraska Humane Society for their annual Walk and Dog Fest. We shared information about stormwater runoff pollution and discussed watersheds.
10/4/24	SEC Flipbook Distribution	Distribution		Mayfair site in La Vista	Inspector gave 4 of our flip books to the Hubbell Construction Superintendent on the Mayfair site in La Vista.
10/10/24	Goldenrod Festival	Public Outreach	813	Lauritzen Gardens	We had our stormwater booth at the Goldenrod Festival. We had our river obstacle course and explained about stormwater pollution.

Date	Event Name	Activity Type	# of Attendees/ Reach	Location	Details/Comments
10/12/24 & 10/13/24	Fall Home Show	Public Outreach		Oakview Mall	We had the stormwater booth and solid waste booths at the Fall Home Show at Oakview Mall. We distributed stormwater educational material along with solid waste materials. We also answered any questions and explained about watersheds.
11/21/24	Kennedy STEAM Night	Public Outreach		Kennedy Elementary	
10/29/24	SEC Flipbook Distribution	Distribution		Sonnetaz project	4 Flip books were given to the Sudbeck construction foreman.
1/5/24	Activity Books Distribution	Distribution	100	Gretna Elementary Schools	James Keepers, chairperson of the Gretna Arbor Society (Tree Board), received 100 "World O Water Activity and Coloring Books" to pass out to elementary school students in Gretna.

Complaints/Reports

When EQCD receives a complaint regarding a permitted grading site, the City Inspector assigned to the site is notified, then visits the site, and files a complaint inspection to document findings. There were 118 complaint inspections conducted on 80 grading permit sites, with 30 of those inspections including a RVC.

This permit requirement is being met.

E. Post Construction Runoff Control

1. BMP 1: Continue to implement the Post Construction program as stipulated in the Omaha Municipal Code (OMC). Periodically update guidance material and develop divergent standards for difficult sites such as linear projects. Update as need the Omaha Regional Stormwater Design Manual (ORSDM)

Target Goals & Implementation Schedule: *Year 1 – Develop divergent standards for guidance document and update guidance as needed. Submit standards with the annual report. On-Going All Years – Revise as necessary. Include a summary of revisions in the annual report.*

The City of Omaha’s guidance document for post-construction is titled *City of Omaha Post Construction Stormwater Management Planning Guidance* and was developed in July 2009, updated in August 2015, and updated again after soliciting feedback from the design community and the Papillion Creek Watershed Partners reviewers in June 2019 and again in October 2021.

The document is available on the City’s website OmahaStormwater.org and OmahaPermix.com. There were no divergent standards developed for difficult sites in 2024.

This permit requirement is being met.

2. BMP 2: Review and update, if needed, the standards outlined in the OMC and ORSDM for consistency with required performance standards as they relate to post-construction management plans.

Target Goals & Implementation Schedule: *On-Going All Years – Report on any updates to the OMC or ORSDM.*

The City of Omaha periodically reviews the ORSDM and guidance based upon feedback from the regulated community. There were no updates made to the OMC or the ORSDM in 2024.

This permit requirement is being met.

3. BMP 3: Maintain an online submittal and review process for site plans, easement and maintenance agreements, as-built drawings, deed recordings, and drainage studies.

Target Goals & Implementation Schedule: *On-Going All Years – Report number of PCSMP projects and the status of their progress in the annual report.*

The City of Omaha reviews proposed post-construction stormwater management plans (PCSMP) for code compliance, functionality, and manageability. The City’s online permitting and reporting website, Permix, is used for PCSMP review and approval. Documents that are included in the PCSMP include a drainage study, proposed plan sheets, applicant certification, maintenance agreement, as-built drawings, BMP certification statement, certification cover sheet, and a certificate of occupancy letter (as-needed). Upon physical completion of the post-construction BMP(s), the PCSMP is recorded with the property deed to ensure long term compliance.

The table provided below summarizes PCSMP projects from 2024. Active projects refer to those projects that are in the document review process or waiting for the construction documents to be submitted.

2024 Omaha PCSMP Projects	
Applications	8
Active Projects	597
Document Review	348
Construction Document	249
Projects Certified	138

This permit requirement is being met.

4. BMP 4: Develop SOP’s for responding to complaints regarding Post Construction BMPs and a strategy for verifying BMPs are being installed and maintained in perpetuity.

Target Goals & Implementation Schedule: Year 1 – Submit SOPs with the annual report. On-Going All Years – Report on any complaints and/or BMPs which have been certified as complete.

The City of Omaha Stormwater Program has developed a strategy for responding to complaints regarding post-construction BMPs, this was included in the 2019 City of Omaha MS4 Permit Annual Report. In 2024, there were no complaints received regarding certified post-construction BMPs.

The strategy for verifying BMPs are being installed and maintained properly is as follows, excerpted from the *City of Omaha Post Construction Stormwater Management Planning Guidance* document.

Installed

Upon construction completion, all stormwater BMPs that are part of the Final Post-Construction Stormwater Management Plan shall be certified by a licensed professional civil engineer registered in the State of Nebraska or other professional approved by the City of Omaha Public Works Department, the Designer. For BMP Certification, the Designer shall submit the following elements to the City of Omaha Public Works Department.

- Record Drawings of the Final Post-Construction Stormwater Management Plan Sheets
- BMP Certification Document

Maintained

Section 32-124 (3) of the City of Omaha Municipal Code states, “...the applicant or owner is required to execute an inspection and maintenance agreement, to be filed on record, binding on all subsequent owners of land served by a private stormwater management facility. Such agreements shall provide for access to the facility, at reasonable times, for inspections by the City or its authorized representative to ensure that the facility is maintained in proper working condition to meet design standards.”

Such agreements shall document the responsibilities of the owner, the Home Owner’s Association or other responsible party (for Sanitary and Improvement Districts), and the City of Omaha. The maintenance agreement shall be approved by the Public Works Department as part of the Final PCSMP and recorded with the Register of Deeds. A sample copy of the Maintenance Agreement can be downloaded at OmahaStormwater.org.

Maintenance Agreement exhibits shall include the following as exhibits in their PCSMP:

- Real Property Depiction – Provide lot certificate or platted subdivision with legal description, or PCSMP plan sheet if that information is contained on the sheet already (11”x17”)

- BMP Maintenance Requirements

This permit requirement is being met.

5. BMP 5: Maintain a database that stores information on approved PCSMPs.

Target Goals & Implementation Schedule: On-Going All Years – Provide an inventory of certified stormwater control measures installed as part of the PCSMP requirements. Include a count of BMP types as well as any known changes to BMPs in the annual report.

In 2024, there were 119 projects with a total of 168 individual BMPs certified in Omaha. These BMPs are summarized by BMP type in the table below. At the end of 2024, there were a total of 1,721 certified BMPs in Omaha’s jurisdiction. No known changes to BMPs occurred beyond minor edits to the latitude and longitude as the result of those values being mistyped by the project representatives submitting PCSMP documentation.

2024 Certified BMP by Type	Count
Bioretention System	28
Constructed Wetland	0
Disconnected Impervious Cover	0
Extended Dry Detention Basin	48
Filter Strip	3
Grassed Swale	1
Green Roof	0
Infiltration Trench	0
Level Spreader	0
Manufactured System	34
Other (flow-based)	13
Other (volume-based)	9
Permeable Pavement	4
Permeable Pavers	0
Rain Barrel/Cistern	0
Rain Garden	3
Retention Wet Ponds	3
Roof Drain Filters	2
Sand Filter	0
Soil Conditioning	1
Subsurface Storage	18
Vegetated Bioswale	1
Total	168

This permit requirement is being met.

6. BMP 6: Inspect sites that are certified by the engineer of record and all sites identified as deficient on a complaint basis. Develop a protocol to bring sites into compliance.

Target Goals & Implementation Schedule: Year 1 – Develop protocol for compliance assistance and inspection strategy. On-Going All Years – Document and maintain inspection records of the certified PCSMP projects as identified in the strategy developed. Document any enforcement actions taken. Summarize activities in the annual report.

The City of Omaha Stormwater Program has developed a strategy for compliance assistance and inspection of post-construction BMPs, this was included in the 2019 annual report.

There were no complaints or enforcement actions against a project’s PCSMP BMPs in 2024.

In 2020, an EPA audit of the City of Omaha’s MS4 Permit took place and one of the initial findings from that audit indicated that inspecting private BMPs on a complaint basis is not adequate and “must develop procedures, such as inspecting all BMPs at least once during the Permit term or requiring the submission of maintenance documentation by the BMP owner to ensure that private BMPs are functional and that maintenance is being conducted when necessary.” In response to the 2020 EPA audit, the Program has developed a strategy to inspect post-construction privately owned BMPs to requisite the regulations made necessary by the EPA. The strategy will involve an inspection of the PCSMP during the request for closure to ensure that post-construction BMPs are functioning as designed and in overall good condition. This strategy was implemented and included 24 PCSMP inspections during the 2024 calendar year. The City will continue to utilize the complaint-based strategy to inspect certified private post-construction BMPs. This strategy is currently being reviewed and will be updated accordingly. In 2024, the Program continued working with projects to incorporate their PCSMPs earlier into their planning process. Also, the Program will finalize and then implement any updates to the strategy to inspect certified projects to ensure that long-term maintenance is being conducted.

This permit requirement is being met.

F. Pollution Prevention/Good Housekeeping

1. BMP 1: Maintain an inventory and map of municipal facilities. Review annually and update if needed.

Target Goals & Implementation Schedule: *On-Going All Years – Maintain an inventory and map of all municipal facilities.*

The City of Omaha Facilities Management Division maintains an inventory of municipal facilities. The Sewer Maintenance Division maintains an inventory of municipal stormwater controls associated with the storm sewer system. The Omaha Stormwater Program maintains an inventory of municipal storm controls associated with stormwater basins and green infrastructure practices. These facilities have been included in the City’s GIS system and are readily available for viewing. There were 2 new green infrastructure sites added in 2024. A dry detention basin at 120th and Tranquility and a bioretention system at the Riverview Lift Station at 3939 Gibson Road.

This permit requirement is being met.

2. BMP 2: Conduct assessments of municipal maintenance facilities and review their municipal runoff control plans as applicable. Revise plans as needed if facilities expand or reduce activities and implement recommendations based on annual inspections.

Target Goals & Implementation Schedule: *Year 1 – Develop a strategy to assess municipal facilities and prioritize them based upon a defined set of criteria. Include strategy in the annual report. Years 2-5 – Track the number of assessments for municipal facilities based upon the strategy developed in year 1. Include the number of assessments completed, a description of the assessment procedure and any changes in facilities ranking in the annual report.*

The strategy for assessing municipal facilities was included in the 2019 annual report as Attachment M. The City of Omaha employed the services of Felsburg Holt & Ullevig (FHU) in 2009 to develop the current program to assess facilities and assign a score according to the types of daily activities associated with each facility that have potential for stormwater exposure. The score is based on a 30-point scale with a score greater than 20 indicating a “Hot Spot”, a score of 10-20 indicating a “Potential Hot Spot”, and less than 10 “Not a Hot Spot”. In 2022 a new strategy was created for facilities with a dumpster that present little to no exposure of pollutants to stormwater, such as City pools, community centers and libraries. These new City facilities have been added to the inspection list for further evaluation and may require a five year rotation inspection. This strategy was implemented during 2023. From the initial evaluation and an ongoing basis, high priority facilities have been prioritized as “Hot Spots”, and are audited annually. Facilities classified as “Potential Hot Spots” are audited every two years, and remaining facilities are audited every three years.

Facilities qualifying as “Hot Spots” have a Facility Runoff Control Plan (FRCP) implemented. FRCPs include provisions for general good housekeeping practices, storage of de-icing materials, fueling operations, vehicle maintenance, and equipment and vehicle washing. The Municipal Hot Spot Evaluation Form was included in the 2019 annual report.

The City of Omaha conducted compliance inspections at City Maintenance Facilities where FRCP’s had been implemented. The inspections are given an overall score of Outstanding, Satisfactory, or Needs Improvement.

The scores were based upon a records and site review. The inspector not only looked to see that facility inspections were being conducted but that any corrective actions that were noted had been addressed in a timely manner. In 2024, the City of Omaha coordinated a total of 31 municipal facility compliance inspections, 15 inspections were at 11 “Hot Spot” facilities with associated Facility Runoff Control Plans. The other 16 inspections were at facilities with hot spot scores less than 20. In 2024, 4 facilities received a Needs Improvement, 23 facilities received a Satisfactory, and 1 received an outstanding rating. Copies of EQCD findings were forwarded to the facility and department supervisors.

This permit requirement is being met.

3. BMP 3: Continue to implement Omaha’s Good Housekeeping Program for municipal facilities that addresses “high-priority” facilities (hot spot score of 20-30 out of 30) and site specific SOPs.

Target Goals & Implementation Schedule: On-Going All Years – Annually report new, removed, or significantly-updated municipal facilities.

The complete list of municipal facilities was reviewed in 2024 to ensure all applicable facilities are included into the program. Fifty six additional facilities were identified that could have municipal operations where pollutants are exposed to stormwater. These include fire and police stations, libraries, and community and park facilities where their potential for exposure of pollutants to stormwater is generally minimal. These newly added facilities will have a hot spot evaluation conducted during the years 2023-2025. There were 22 hot spot evaluation inspections conducted in 2024.

This permit requirement is being met.

4. BMP 4: Implement practices for maintaining the storm sewer system that includes catch basin maintenance, open channels and other drainage structures, street sweeping, and structural stormwater controls. All maintenance procedures are to be performed such that waste water and waste materials do not enter the MS4.

Target Goals & Implementation Schedule: Year 1 – Provide a description of the maintenance programs in the annual report. On-Going All Years – Annually report on Sewer maintenance activities related to maintaining the storm sewer system and changes to any of the maintenance practices.

Descriptions for City maintenance programs have been compiled and was included in the 2019 City of Omaha MS4 Permit Annual Report. The document is laid out by maintenance activity type with a description of who is involved, the maintenance activity, monitoring, waste disposal, documentation, and training. In 2021, this document was reviewed by the Stormwater Program and the Sewer Maintenance Division and then updated to include a preventative maintenance strategy for stormwater catch basin and inlet cleaning.

Storm Sewer System Maintenance

The Sewer Maintenance Division is responsible for the inspecting, cleaning, repairing and maintaining of the storm sewer system. The Street Maintenance Division is responsible for certain types of creek maintenance cleaning or clearing. They use the same work order tracking system to account for their activities. The table below represents both Divisions’ storm sewer system activity for the permit year of 2024.

Work Order Task (Description of Work):	Storm
Clean Inlet	70
Clean Storm Structure	2
Dye Test	79
Inlet Blown Off	1
Inlet Broken	2
Insp Structure	296
I-Repair	54
I-Replace	4
L/S Locate	16
MH Blown Off	2
MH Locate	1
MH Stolen	2
Private	13
P-Storm Repair	3
P-Storm Replace	3
TV Assessment	47
TV Inspection	1
Unscheduled Jet	3
Unscheduled Jet Vac	144
unscheduled Saw	1
Task Total:	747

Street Sweeping

There are approximately 4,877 lane miles within the City of Omaha. In 2024, the City mechanically swept a total 9,550 curb miles. The table below gives a more detailed accounting of the City’s street sweeping.

Area of City	Curb Miles Swept	Tons of Debris Removed
Business District & Major Streets	3,232	1,111
Residential Areas	6,318	3,275
Totals	9,550	4,386

Additionally the City of Omaha’s Public Works Department’s Parking Divisions mechanically sweeps municipally owned parking structures and lots twice a year, in the spring and fall. Municipally owned parking structures are also washed twice per year in conjunction with sweeping, practices are used to capture the solids from the wash down which are then disposed of at the landfill.

Inlet Marking

The City of Omaha’s standard plate for storm inlets includes a stamp to indicate it drains to the creek. To mark inlets without that stamp and increase stormwater awareness, the City of Omaha coordinated with Keep Omaha Beautiful to continue to organize groups to mark and clean storm sewer inlets in 2024. In total, an additional 1,067 inlets were labeled with disks, and an additional 127 discs were distributed to contractors to install them as part of storm sewer infrastructure projects. In total, 139 youth and adult volunteers participated, totaling 299 hours of community service hours. There were 22 bags of trash and recyclables collected as part of this effort. Bilingual “Only Rain Down the Storm Drain” educational door hanger (which highlights HHW and Under the Sink) were distributed to individuals living near storm drains that were marked. A total of 1,036 of these educational door hangers were distributed. Inlet markings are summarized below, the full spreadsheet of inlet marking activities is included in [Attachment C](#).

Month of Service	Location Description [Starting Address/Area]	# of Drains Marked	# of Drains Cleaned (already marked)	Litter Bags (Trash & Recycling) Collected #	# of Door Hangers Distributed
April	Between 180th and 168th, Pacific to Shirley St.	56	15	2	80
May		40	0	0	0
May	Memorial Park and Surrounding Area	18	1	0	0
May	N 30th - Laurel Ave - Fort St - N 33rd	27	4	0	8
June	Deer Park Neighborhoods	187	67	7	405
June	State St to Weber and Vain, between 163rd and 144th St.	167	76	0	308
June	Hickory to Pacific St.	82	13	0	0
August	West Omaha	63	0	1	25
August	North Omaha 16th - 24th Evans to Grant St	25	0	0	0
September	South Omaha by 45th & Q St	42	0	2	0
September	52nd-60th, Miami to Burdette Area	35	50	3	20
September	Shadow Ridge Neighborhood (near 180th & Center)	137	0	4	155
September	Near 120th/132nd and Blondo	138	35	0	0
September	50th & Leavenworth area	20	5	2	35
October	Woolworth to Dorcas 56th to 63rd St; Mercy to Pine 43rd to 45th St; Hascall to Marinda 51st to 44th St.	30	6	1	0
Totals	14	1067	272	22	1036

Stormwater Structure Maintenance

EQCD inspects City-owned stormwater basins at least once a year with most being inspected twice for any major maintenance issues in early spring and in early winter. A physical characteristics examination form is completed during the inspection for structures that had flow or were wet.

Maintenance is performed by various City Departments based upon the type of activity required. There were five sites that had maintenance contracted out, these included Adams Park, Fontenelle Park, Hitchcock Park, Albright Park, and Sarpy Avenue Basin. Most of the City Departments are using CityWorks to track their maintenance activities. Additionally, EQCD employed staff members, one full-time and one part-time employee, who are dedicated to maintaining a number of City owned stormwater BMP structures throughout the year with the addition of another full time member at the end of 2024. The table below indicates when the inspection occurred as well as any maintenance issues noted at that time.

SITE	INSPECTION DATES	SEDIMENT REMOVAL	TRASH REMOVAL	TREE REMOVAL & CHIPPING	MOWING	EROSION REPAIRS
Storz Expressway (E)	3/28/2024	No	No	No	No	No
	10/21/2024	No	No	No	No	No
Storz Expressway (W)	3/28/2024	Yes	Yes	No	No	No
	10/17/2024	Yes	No	No	No	No
Adams Park	4/8/2024	No	Yes	No	No	Yes
	11/8/2024	No	Yes	No	No	Yes
Lake James Park	3/29/2024	No	No	No	No	No
	10/24/2024	No	No	No	No	No
Fontenelle Park Lagoon	4/4/2024	No	Yes	No	No	No
	11/8/2024	No	Yes	No	No	No
John J Pershing Drive 1.5	3/28/2024	Yes	No	Yes	No	No
	10/17/2024	Yes	No	Yes	Yes	No
Miller Park	3/29/2024	No	Yes	No	No	Yes
	11/8/2024	No	No	No	No	Yes
10th & Nicholas	3/28/2024	No	No	No	No	No
	10/21/2024	No	No	No	No	No
13th & Carter Blvd	4/4/2024	No	Yes	Yes	No	No
	10/21/2024	No	Yes	Yes	No	No
13 & Fowler	4/4/2024	No	Yes	No	No	No
	10/21/2024	No	Yes	No	No	No
Carter Lake	4/8/2024	Yes	Yes	No	No	No
	10/31/2024	Yes	Yes	No	No	No
19 & Carter Blvd	4/4/2024	Yes	Yes	Yes	No	No
	10/21/2024	Yes	Yes	Yes	Yes	No
	3/28/2024	Yes	Yes	Yes	Yes	No

SITE	INSPECTION DATES	SEDIMENT REMOVAL	TRASH REMOVAL	TREE REMOVAL & CHIPPING	MOWING	EROSION REPAIRS
18th Street E & Ave H	11/15/2024	Yes	Yes	Yes	No	No
14th & Ida St	3/28/2024	No	No	Yes	No	No
	10/17/2024	No	Yes	Yes	No	No
John J. Pershing No. 1	4/15/2024	Yes	Yes	Yes	Yes	No
	11/15/2024	Yes	Yes	Yes	No	No
John J. Pershing No. 2	3/28/2024	Yes	No	Yes	No	No
	9/26/2024	Yes	No	Yes	Yes	No
Gifford Dr. No 1	3/28/2024	No	No	No	No	No
	10/21/2024	No	No	No	No	No
9th & Storz	3/28/2024	Yes	Yes	Yes	Yes	No
	10/17/2024	Yes	Yes	Yes	Yes	No
Westlawn Cemetery	3/29/2024	Yes	Yes	Yes	No	No
	11/15/2024	Yes	No	Yes	No	No
64th Street Channel	3/28/2024	Yes	Yes	Yes	No	No
	10/17/2024	Yes	Yes	Yes	No	No
Elmwood Park	3/29/2024	Yes	No	No	No	No
	11/15/2024	Yes	No	No	No	No
Spring Lake Park	4/11/2024	Yes	Yes	Yes	No	Yes
	11/6/2024	Yes	Yes	Yes	No	Yes
Vinton Street subsurface storage	4/5/2024	Yes	Yes	No	No	No
	10/24/2024	No	No	No	No	No
Gilmore - Sarpy Ave basin	3/29/2024	Yes	Yes	No	No	No
	11/8/2024	Yes	Yes	No	No	No
Gilmore - Albright Park	3/29/2024	No	Yes	No	No	No
	11/8/2024	No	No	No	No	No
20th & Pierce underground storage	4/5/2024	Yes	Yes	No	No	No
	10/24/2024	No	No	No	No	No
Hitchcock Park	4/9/2024	No	No	No	No	No
	11/8/2024	No	No	No	No	No
26th & Taylor basin	3/29/2024	No	No	No	No	No
	10/24/2024	No	No	No	No	No

EQCD also inspects City-owned green infrastructure (GI) practices throughout the city. The GI practices were reviewed to ensure they are functioning properly and identify maintenance needs. The table below indicates when the inspection occurred as well as an overall condition assessment for the site.

GI Site	Inspection Date	Notes	Type(s)
Country Club	4/1/2024	Needs cleaned	Bioretention System
Leavenworth LS	4/1/2024	Good	Bioretention System
Orchard Park	4/1/2024	Trees in middle need removed	Bioretention System
Prairie Lane Park	4/1/2024	Good	Bioretention System, Stream Restoration
108th St Q to Harrison	4/1/2024	Good	Soil Conditioning
24th Streetscape	4/1/2024	Good	Soil Conditioning
Ranchview dry detention	4/1/2024	Lots of trash, tree branches need removed, erosion on the back of embankment	Dry Detention
Northridge dry detention	4/1/2024	Trash and cattails	Dry Detention
Douglas Streetscape	8/8/2024	Dead vegetation, pre-treatments need cleaning, 3N curb needs repair.	Rain Garden
Florence Streetscape	8/8/2024	East streetscapes need maintenance, 2W needs pre-treatment cleaned. See WO notes.	Bioretention System
Saddle Hills	4/12/2024	Leaves in inflow pipe, bare soil on forebay, sidewalk undercutting by inflow	Rain Garden
Omaha Public Safety Training Center	4/12/2024	Erosion rills on slopes and forebay of eastern basins. Outflow of eastern structure has sediment and vegetation accumulation. Baffle box structure on western basin needs to be cleaned.	Dry Detention, Permeable Pavement, Baffle Box
St Philip Neri	8/30/2024	Good	Underground Storage
132nd & Center improvements	6/21/2024	Well maintained, good condition/	Soil Conditioning
Crown Point	6/21/2024	Outflow filter is hindered with debris, slight sediment accumulation in bottom of system.	Dry Detention, Soil Conditioning
50th & Pine	4/12/2024	Parking lot starting to unravel, Basin is starting to have unwanted vegetation growing in.	Bioretention System, Permeable Pavement

GI Site	Inspection Date	Notes	Type(s)
SE Police Precinct	4/19/2024	Lot is now gravel lot.	Permeable Pavement
Zorinsky Water Park	4/19/2024	Bioretention good. Bioswale good. Paving has sediment and sand. Has not been cleaned properly in some time. Most likely not functioning correctly.	Bioretention System, Bioswale, Permeable Pavement
24th St Bioretention	4/19/2024	Top knocked off SE of Maple, Curb side broke off west side by Locust. All areas mowed.	Bioretention System
Tuscan Ridge Bioretention	8/15/2024	Basin on 200th has washouts in two places. Basin on 200th Cir is full of unwanted weeds.	Bioretention System
Tranquility-120th St Basin	8/15/2024	Basin is full of water. Soil condition is good.	Dry Detention, Soil conditioning
Riverview Lift Station bioretention	8/30/2024	Full of weeds	Bioretention System

Vehicle Impound Lot	8/30/2024	<p>Separator - Appeared in good condition. Little Standing water at the bottom. Was only able to access on manhole, as the other one was unable to be located. Bioswale - System was overgrown with unhealthy/unwanted vegetation. Erosion observed on the east side and leftover vehicle parts seen within the system.</p> <p>Recommended maintenance with equipment and it being tasked to more than one person.</p>	Bioswale, Hydrodynamic Separator
Sewer Maintenance	4/24/2024	<p>Bioretention - Remove concrete pieces near inflow area, cleanup minor debris in southeast corner, and monitor bare spots in bottom of system. Active construction occurring during site inspection. PM mentioned that cleanup is expected once the project is done. Pavement - Apart from construction causing minor dirt buildup, conditions appear good.</p>	Bioretention System, Permeable Pavement
SOIA LS	7/17/2024	<p>Overall system was good. Items of concern include: Maintaining overgrown vegetation, cleaning up misc. debris, and removing invasive plant species from the area.</p>	Bioretention System
The Colonies	7/1/2024	<p>Items observed throughout bioswale and nearby area inlets: Overgrown vegetation, standing water, debris (rocks, wood, etc.), and</p>	Bioswale

		signs of erosion (worn down grass patches). Maintenance is requested.	
58th & Maple	4/24/2024	Overall system was good. Items of concern include: Maintaining cleanup of vegetation and sediment buildup, faded signs, and random sign removal.	Bioretention System
144th St bioretention	7/24/2024	Overall systems appeared fair. Main items of concern include: Eroded/bare spots or lines, overgrown and/or dead vegetation, and miscellaneous debris within the systems. Maintenance is requested.	Bioretention System

This permit requirement is being met.

5. BMP 5: Provide training for municipal employees in pollution prevention and good housekeeping.

Target Goals & Implementation Schedule: Year 1 – Develop a strategy for municipal employee training in pollution prevention and good housekeeping. Include strategy in annual report. On-Going All Years – Conduct training events for municipal staff. Include number of employees trained, based on strategy developed in Year 1, in annual report.

The City of Omaha Stormwater Program has developed a training strategy for municipal employees involved in implementing pollution prevention and good housekeeping practices, this was included in the City of Omaha’s 2019 MS4 Permit Annual Report.

In 2024, training was provided to municipal employees in various departments and divisions including Sewer Maintenance, Street Maintenance, Fleet Maintenance, and Parks. EQCD staff, including Environmental Inspectors, receive additional training throughout the year on various SWMP-related topics. In 2024, staff attended or participated in 2 workshops or in-house training sessions. In addition to these events, staff are encouraged to seek out webinars, conferences, and other training opportunity of interest that is stormwater and MS4 related. These opportunities continue to further our municipal employee knowledge and experience on water quality and stormwater management. The following table is a summary of 2024 workshops and in-house trainings for City staff.

Date	Associated Programs	Topic	Attendees
1/23/2024	Good Housekeeping	EI Training & Safety Toolbox	12
3/26/2024	General	EI Training & Safety Toolbox	9

Date	Associated Programs	Topic	Attendees
4/15/2024	Good Housekeeping	FRCP Training-Ray Hutzal	35
4/24/2024	General	Rain Barrel Program 2024	11
5/13/2024	General	FRCP Training - Sean Gipson	3
5/14/2024	General	FRCP Training - John Brown	4
5/14/2024	General	FRCP Training - Kenneth Bridesley	1
5/14/2024	Good Housekeeping	FRCP Training-Troy Staroscik	5
5/16/2024	General	FRCP Training - Kayleen Youch	3
5/20/2024	Good Housekeeping	FRCP Training-Todd Spark	5
5/20/2024	Good Housekeeping	FRCP Training-Reginald Johnson	10
5/20/2024	Good Housekeeping	FRCP Training-Douglas Tietzort	26
5/21/2024	Good Housekeeping	FRCP Training-Dawaune Hayes	25
5/21/2024	Good Housekeeping	FRCP Training-Scott Gordon	33
5/24/2024	Good Housekeeping	FRCP Training-Gabe Astorino	8
5/29/2024	Construction	Grading permit review training	3
6/3/2024	Good Housekeeping	FRCP Training-Jeff Saltzman	20
6/4/2024	Good Housekeeping	EI Training & Safety Toolbox	11
6/4/2024	Good Housekeeping	FRCP Training-Erik Frampton	17
6/20/2024	Good Housekeeping	FRCP Training-Dave Coon	24
7/1/2024	Good Housekeeping	FRCP Training-Ned Tramp	57
7/9/2024	Good Housekeeping	EI Training & Safety Toolbox	11
7/18/2024	Good Housekeeping	FRCP Training-Chris Braun	12
8/5/2024	Good Housekeeping	IDDE/FRCP Training-EQC Staff	2

Date	Associated Programs	Topic	Attendees
8/8/2024	Good Housekeeping	FRCP Training - CCSM/D2	3
8/8/2024	Good Housekeeping	FRCP Training - Gabe Astorino	6
8/8/2024	Good Housekeeping	FRCP Training-Mitch Moehling	6
8/13/2024	Good Housekeeping	IDDE/FRCP Training-EQC Staff	16
8/22/2024	General	WO!W Pre-Event Training	12
9/3/2024	Good Housekeeping	EI Training & Safety Toolbox	10
9/9/2024	Construction	Grading Permit & PCSMP Training with OPW-Design	25
9/9/2024	Good Housekeeping	FRCP Training-Bill Anderson	12
10/1/2024	Good Housekeeping	EI Training & Safety Toolbox	10
10/22/2024	Good Housekeeping	FRCP Training-Kenny Tolliver-Humpal	11
10/30/2024	Good Housekeeping	FRCP Training-James Bayly	10
10/30/2024	Good Housekeeping	FRCP Training-Nathan Kintzle	26
11/5/2024	Good Housekeeping	FRCP Training-Justin Johnson	6
11/8/2024	Good Housekeeping	FRCP Training- Jared Kalin	1
11/15/2024	Good Housekeeping	FRCP Training-Mark Gannon	12
12/2/2024	Good Housekeeping	FRCP Training-Jerry Wynn	7
12/3/2024	General	EI Training & Safety Toolbox	12
12/6/2024	Good Housekeeping	FRCP Training-Jeremy Bridges	22
12/9/2024	Good Housekeeping	FRCP Training-Richard Ronk	3
12/9/2024	Good Housekeeping	FRCP Training - Scott Charron	5
12/17/2024	Good Housekeeping	FRCP Training-Jenny Proescholdt	7

The City's Environmental Quality Control Division, Levee Division, and the Parks and Recreation Department have applicators that are FIFRA certified. There are currently 78 certified applicators. All certifications are up to date and are obtained from the Douglas-Sarpy County Extension Office.

This permit requirement is being met.

6. BMP 6: Provide educational material to contractors hired to perform maintenance activities on the MS4.

Target Goals & Implementation Schedule: Year 1 – Develop materials to provide to contractors and include in the annual report. Years 2-5 – Include in the annual report any new materials or updates to existing materials.

City of Omaha personnel conduct most of the maintenance activities on the MS4. If an outside party is hired to complete maintenance activities, educational materials are available to share with the contractors to educate them on stormwater controls, good housekeeping practices, and maintaining compliance with applicable permits.

This permit requirement is being met.

G. Industrial Facilities

1. BMP 1: Maintain a program that identifies industries within the MS4 area that fall into sectors identified in the ISW- NPDES permit.

Target Goals & Implementation Schedule: *Year 1 – Develop a strategy that will identify industries and their compliance with NPDES permits. On-Going All Years – Review and update strategy developed in Year 1 and report on any changes in the annual report.*

The City of Omaha Stormwater Program has developed a strategy to identify industries and their compliance with NPDES permits, this was included in the City of Omaha’s 2019 MS4 Permit Annual Report. There were no updates to the strategy in 2024.

This permit requirement is being met.

2. BMP 2: Request a list of permitted facilities and the NOI from NDEQ in January of each permit year.

Target Goals & Implementation Schedule: *On-Going All Years – Maintain a database to track NPDES permitted facilities.*

In January 2024, Omaha requested and received from the NDEE a list of industries in Omaha permitted under the NER920000 ISW-GP. One hundred and thirty one were included on this list, of these, the total active ISW permitted facilities was 82. The rest were either outside Omaha city limits, no longer in business, or submitting an NOT. The GIS database was updated with this list of facilities.

This permit requirement is being met.

3. BMP 3: Inform industries about the NPDES ISW permit and notify the state when industries are not in compliance with the state regulations.

Target Goals & Implementation Schedule: *On-Going All Years – Develop industry-specific publications regarding NPDES regulations and distribute to inspected facilities.*

The City of Omaha Stormwater Program has 16 sector-specific information sheets, brochures, and additional information regarding industrial stormwater on the Industry pages of OmahaStormwater.org. The website also has the ISW-GP NER920000 permit and FAQs to help industries with maintaining compliance.

Outreach to Omaha industries has continued in 2024 to update industries that the City of Omaha’s Industrial Stormwater Program is focused on ensuring compliance with the NDEE’s ISW-GP. Industries that call or email the Omaha Stormwater Program are informed about the NDEE’s ISW-GP and how to stay in compliance.

No industries in 2024 were referred to the state for not maintaining compliance with state regulations or in need of a permit.

This permit requirement is being met.

4. BMP 4: Inspect NPDES permitted industries from a list provided by NDEE in January of each year. Maintain a tracking system for inspections and SWPPP reviews. Review SWPPP or NEC prior to completing an inspection.

Target Goals & Implementation Schedule: *On-Going All Years – Inspect 20% of the facilities on the list provided by NDEE each year so that all industries are inspected once in the permit cycle.*

In January of 2024, Omaha requested and received from the NDEE a list of industries in Omaha permitted under the NER920000 ISW-GP. There were 143 facilities included on the NDEE list of active industries. Through the coordinated efforts between the City and the State, and comparing lists of active industries inside the City of Omaha, 143 industrial facilities were identified as potentially active. E&A Consulting Group (E&A) and SCS Engineers (SCS) were contracted to assist the City with inspecting industrial facilities in 2024. Inspectors from these firms have extensive experience with industrial stormwater regulations and performing inspections. The inspection form they used as part of their inspections was provided to them by the Omaha Stormwater Program and was updated in early 2023 to capture all permit requirements and streamline the inspection process. A total of 30 facility inspections were lined up for compliance with the NDEE ISW-GP NER920000. In attempting to schedule two of the facilities chosen, it was discovered that they had closed and it was not feasible to reschedule additional industries for inspections; so a total of 28 inspected facilities represent 19.85% of the 141 active NDEQ ISW-GP permitted facilities in Omaha.

This permit requirement is being met.

5. BMP 5: Ensure inspectors completing industrial stormwater inspections are competent.

Target Goals & Implementation Schedule: *On-Going All Years – Report inspection activities in the annual report.*

The City of Omaha Stormwater Program contracted with E&A Consulting Group (E&A) and SCS Engineers (SCS) to perform inspections of industrial sites. Inspectors from these firms have extensive experience with industrial stormwater regulations and performing inspections. Firms contracted to perform industrial stormwater inspections on behalf of the City of Omaha must have demonstrated knowledge, skills, and experience. Omaha Stormwater Program Environmental Inspectors review and edit as needed the reports by the firms prior to sending to the industry. Each Environmental Inspector is adequately trained on the industrial stormwater program prior to reviewing inspection reports or conducting an inspection. See table below for a summary of inspection activities in 2024.

Program ID	Facility Name	Permit Type	Address	Inspection date	Report Sent
ISW-202301440	BMaKK Corporation, Inc.	Industrial Stormwater	1440 Read St	7/30/2024	8/15/2024
ISW-202301315	Conductix Incorporated	No Exposure	4202 S 102nd St	7/16/2024	8/7/2024
ISW-202200862	Conreco Incorporated	Industrial Stormwater	4010 D St	8/9/2024	8/26/2024
ISW-202201227	Mi Mama's Tortillas, LLC	No Exposure	828 S 17th St	8/12/2024	9/6/2024

Program ID	Facility Name	Permit Type	Address	Inspection date	Report Sent
ISW-202201188	Milko Tool & Die, Inc.	No Exposure	2405 N 11th St	7/8/2024	7/18/2024
ISW-202201274	Monarch Oil Inc.	Industrial Stormwater	2200 Avenue H E	8/6/2024	8/15/2024
ISW-202301304	Nox-Crete Temporary Warehouse	No Exposure	2420 Z St	7/23/2024	8/7/2024
NER910092	Advanced Prosthetics Center, LLC (Hanger Clinic: Prosthetics and Orthotics)	No Exposure	9109 Blondo St	8/22/2024	11/8/2024
ISW-202301354	Amazon.com Services LLC HOM1	Industrial Stormwater	5606 Lindbergh Dr.	8/21/2024	11/8/2024
ISW-202201013	Hawkins Construction and Demolition Waste	Industrial Stormwater	5506 S 60th St	7/17/2024	7/22/2024
ISW-202301403	J.F. O'Neill Packing Co.	Industrial Stormwater	3120 G St	8/30/2024	11/8/2024
ISW-202301443	Liberty Concrete	Industrial Stormwater	8520 Blondo St	7/16/2024	7/19/2024
ISW-202301439	Marianna Industries dba Cohere Beauty	No Exposure	11222 I St	7/23/2024	8/9/2024
ISW-202301382	FCC Environmental Services NE, LLC	Industrial Stormwater	5902 N 16th St	8/6/2024	8/20/2024
ISW-202200773	First Student, Inc. #20898	Industrial Stormwater	3333 Keystone Dr.	8/7/2024	8/22/2024
ISW-202200724	Future Foam Inc.	No Exposure	6425 N 16th St	7/9/2024	7/18/2024
ISW-202201278	Student Transportation of America, Inc.	No Exposure	8505 Crown Point Ave	6/25/2024	6/28/2024
ISW-202301300	Student Transportation of America, Inc.	No Exposure	6240 Abbott Dr.	6/25/2024	6/28/2024
ISW-202201236	William H. Harvey Company	Industrial Stormwater	4334 S 67th St	8/28/2024	9/12/2024
ISW-202200753	Drake-Williams Steel, Inc.	Industrial Stormwater	1602 N 11th St	8/13/2024	9/19/2024

Program ID	Facility Name	Permit Type	Address	Inspection date	Report Sent
ISW-202301384	Eldorado Packaging, Inc. / ProAmpac Omaha	No Exposure	4340 S 140th St	7/12/2024	9/19/2024
ISW-202201077	Epsen Hillmer Graphics Co.	No Exposure	13748 F St	7/18/2024	9/19/2024
NER910701	Omaha Neon Sign	Industrial Stormwater	1120 North 18th St/1123 Florence Blvd	7/3/2024	9/19/2024
NER910700	Omaha Neon Sign	Industrial Stormwater	1014 North 17th St/1623 Iazard St	7/3/2024	9/19/2024
ISW-202301329	Saddle Creek Retention Basin	Industrial Stormwater	2610 S 64th Ave	7/30/2024	9/19/2024
NER910162	Saia Motor Freight Line, LLC	Industrial Stormwater	4423 S 67th St	8/14/2024	9/19/2024
ISW-202200577	Phillips Manufacturing Company	Industrial Stormwater	4949 S. 30th St	8/9/2024	8/15/2024
ISW-202200678	Tyson Processing Services, Inc.	Industrial Stormwater	13076 Renfro Circle	8/28/24	9/16/24

This permit requirement is being met.

H. Stormwater Monitoring

1. BMP 1: Dry Weather Screening.

Target Goals & Implementation Schedule: *On-Going All Years – Implement a dry-weather screening of priority outfalls for IDDE following screening and sampling plan. Keep a record of outfalls observed and a record of the field screen results. Follow strategy in SWMP program Component C- IDDE for outfalls showing presence of an illicit discharge. Update priority list based on observations.*

There were 668 potential outfalls identified by EQCD using GIS collected information. In 2024, the GIS information was reviewed to ensure all applicable outfalls are being screened.

When potential outfalls are identified, they are classified as new to the outfall inventory for screening. Once screened, the outfalls are then classified as priority outfalls if they are 72” or greater, or had a documented illicit discharge, regardless of size. Priority outfalls are screened annually. Outfalls that are documented with an illicit discharge are updated to priority status and screened annually for the next three years. If no illicit discharge is observed in those three years and it is less than 72”, its status is updated to non-priority. Annexations of Sanitary & Improvement Districts (S&IDs) can occur periodically. When this occurs, qualifying annexed outfalls are added as new to the outfall inventory for screening. Based on the screening, they are then classified as being a priority outfall or not. CityWorks asset management software is used to document outfall screening efforts.

All outfall screenings are conducted after a minimum of 48 hours of dry weather. An outfall reconnaissance inspection form is completed and a Physical Characteristics Examination is completed, if flow is present. If an illicit discharge is encountered EQCD Inspectors are to call supervisory staff immediately. The supervisor reviews the findings with the inspectors, allocates additional resources needed to assist, and an investigation begins to determine the source of the illicit discharge. If the source of an illicit discharge or connection is found, they will be notified to cease the discharge immediately. They will then be issued a written request, warning, or violation and be required to eliminate the discharge to prevent reoccurrence. Photographs are taken of outfalls to be kept as a record of outfall conditions during the inspection.

Field screening in 2024 has been consistent with previous years. Any outfall with an obvious or suspicious discharge was to be reported immediately to EQCD. In total, there were 215 outfall screenings in 2024. They were entered into the City of Omaha’s CityWorks asset management system. City of Omaha EQCD staff screened all 95 outfalls identified the previous year as priority outfalls. During 2024 there were 120 outfall screenings of non-priority outfalls. There were no new outfalls acquired in 2024 through S&ID annexations or through reconnaissance practices.

This permit requirement is being met.

2. BMP 2: Develop a wet weather BMP assessment monitoring plan for demonstration BMPs to facilitate future SWMP planning. Evaluate the effectiveness of the selected BMPs. BMP assessment may include flow-based monitoring or water quality sampling. Biological systems may include plant assessments and visual observations. Construct structural BMPs and implement non-structural BMPs to evaluate the effectiveness of their ability to address pollutants of concern. Include in the BMP assessment program in applicable

Target Goals & Implementation Schedule: *Year 1 – Revise the BMP assessment monitoring plan and submit to NDEQ for approval. Amend as necessary when new demonstration projects have been constructed. On-Going All Years – Implement monitoring plan in demonstration projects. Report the following in the annual report: (1) The location of the monitoring site, (2) the intensity and duration of the storm event monitored, (3) the time of sampling in comparison to the occurrence of the storm event and to the discharge of peak stormwater flows, and (4) the monitoring data and a summary of the findings.*

The City of Omaha Stormwater Program updated their BMP Assessment Monitoring Plan in 2019 and was included in the 2019 City of Omaha MS4 Permit Annual Report. There were no updates to the plan in 2024.

The City of Omaha continued to implement the BMP Monitoring Plan in 2024 to assess the performance of existing green infrastructure demonstration projects' benefits on water quantity and quality. The monitoring for 2024 is summarized by site later in this section with the full site summaries provided in [Attachment F](#).

Additional monitoring occurred during 2024 to assess the performance of BMPs at City demonstration project sites. The Program again worked with USGS to assess the peak flow and water volume benefits of the Sewer Maintenance bioretention system. The USGS's monitoring summary is included in [Attachment F](#).

Saddlebrook

The Saddlebrook green roof and bioretention systems continue to perform very well in reducing the volume and peak flows of runoff from the site. During the wet 2024 monitoring season, the “green” systems effectively delayed and reduced water volume in comparison to their “grey” counterparts, even during the intense storms received. The City will continue to assess the performance of the green roof and bioretention systems in 2025.

Orchard Park

Orchard Park continues to function very well in a variety of storm events. Bioretention valves were properly set during deployment of monitoring equipment so the benefits were fully realized. The system effectively managed runoff and decreased discharge to the creek. Monitoring will continue for Orchard Park in 2025.

Creighton Prep

Creighton Prep’s bioretention system continues to function very well in reducing peak flows. The slide gate valve is fully open on the underdrain system, leading to drawdown within a few hours. The system successfully delays peak discharge flows. Monitoring of Creighton Prep will continue in 2025.

Sewer Maintenance

The Sewer Maintenance bioretention system continues to function very well. Wet weather data collected in 2024 shows the effectiveness of this system in treating runoff pollutants, particularly solids. These water quality samples taken in 2024 indicate an increase in concentration of nutrients for the outflow when compared to the inflow from the parking lot, but a significant decrease in solids. Monitoring by the United States Geological Survey (USGS) continued, and this was the second full season with the new equipment and layout.

Adams Park

The Adams Park wetlands continues to perform as designed and is providing a wonderful amenity for the community and local environment. Monitoring of water levels have continued in 2025. Data continues to show the system’s effectiveness in detaining flow and reducing peak discharge rates with drawdown times lasting for several days. Maintenance of the site in 2024 continued to be contracted out and was effective at keeping weeds and volunteer trees down as well as capturing trash that was able to make it past the screening structure. A concrete pathway was installed in 2023 that gently meanders around the system. Repairs were made at the storm sewer outfall into the park in late 2021 to repair damage from a previous storm that caused significant erosion on the side walls and modify the screening structure to prevent future back-ups. The vegetation across the wetlands and natural grass areas continued to become more established in 2024. Cattails continue to be prevalent but flow through the site is performing as intended.

Albright Park

The Albright Park bioretention system is performing very well overall, and the system is still successfully detaining flow and reducing peak discharge rates. Monitoring of the water level will continue in 2025.

This permit requirement is being met.

3. BMP 3: Utilize data collected by others to help assess the effectiveness of BMPs.

Target Goals & Implementation Schedule: On-Going All Years – Gather data from others and include in the annual report with a summary of the findings.

For the past decade starting in 2015 the city of Omaha has partnered with the United States Geological Survey team to monitor and study the bioretention system installed at the City of Omaha’s Sewer Maintenance facility. The data collected and shared from these annual studies show the effectiveness and real world impact that green infrastructure has. From delaying or eliminating the initial impacts of rain events, to the mitigation of nutrient loadings introduced into the waterways.

This permit requirement is being met.

I. Additional Permit Reporting Requirements

1. Status of MCMs and Associated BMPs

This report satisfies the annual reporting requirement and covers the calendar year from January 1, 2024 through December 31, 2024. The permit was issued April 1st, 2018 and is currently on extension until further notice by the State.

The City of Omaha continues to implement each of the eight minimum control measures (MCM), maintain associated BMPs of the SWMP, and maintain compliance with the MS4 Permit. Significant efforts were made in 2019 by the City of Omaha Stormwater Program to create and update strategies required in the MS4 permit. These efforts have had a positive effect on reducing stormwater pollution by ensuring consistent education and outreach with multiple target audiences, improving internal workflows, and adaptively managing stormwater controls. See the Evaluation Assessment below for more detailed information on each of the eight MCMs.

2. Proposed SWMP Changes and Revisions

The third Omaha Municipal Separate Storm Sewer System (MS4) National Pollutant Discharge Elimination System (NPDES) Permit (NE0133698/PCS 999428) was issued by the Nebraska Department of Environmental Quality (NDEQ) and became effective on April 1, 2018. There were no SWMP changes in 2024.

There were 44.384516 acres annexed by the City of Omaha in 2024.

3. Additional Monitoring Data and Land Use

A land use map was created defining land use based on zoning for the City of Omaha; this has been included in [Attachment G](#). Land use patterns were based on current zoning procedures/practices and used to map areas within the City Limits and within the Extra Territorial Jurisdiction (ETJ). Areas that are not defined with a zoning code, i.e. public roads, are not included in the values provided. Four classifications were used to document current land use patterns including Agricultural, Commercial (including Mixed-Use), Industrial, and Residential areas. There is approximately 85.95 mi² within the MS4 and 88.51 mi² within Omaha’s ETJ covered by the four different classifications, as shown in the table below.

Land Use by Square Mile – MS4 Limits & ETJ

Land Use	Omaha MS4	Omaha MS4 % Cover	ETJ	ETJ % Cover	Total	MS4 % to Total
Agricultural	5.00	5.82%	53.25	33.39%	58.25	9%
Commercial	27.06	31.48%	19.63	26.76%	46.68	58%
Industrial	7.17	8.34%	1.11	4.75%	8.28	87%
Residential	46.73	54.37%	14.52	35.10%	61.24	76%
Total	85.95		88.51		174.45	

Zoning by Square Mile – MS4 Limits & ETJ

Omaha Only		ETJ Only		Omaha & ETJ	
Zone	Sq. Mi.	Zone	Sq. Mi.	Zone	Sq. Mi.
AG	5.00	AG	53.25	AG	58.25
AV	4.11	AV	0.05	AV	4.16
CC	4.54	CC	0.25	CC	4.79
CH	0.02	CH		CH	0.02
DR	11.63	DR	17.77	DR	29.40
DS	0.02	DS		DS	0.02
GC	0.55	GC	0.03	GC	0.58
GI	6.43	GI	1.05	GI	7.48
GO	1.02	GO	0.02	GO	1.04
HI	0.40	HI		HI	0.40
LC	0.18	LC	0.01	LC	0.19
LI	0.35	LI	0.06	LI	0.40
LO	0.27	LO	0.00	LO	0.27
MH	0.19	MH	0.21	MH	0.40
MU	3.85	MU	1.27	MU	5.12
NBD	0.06	NBD		NBD	0.06
R1	2.66	R1	1.00	R1	3.66
R2	9.30	R2	0.96	R2	10.26
R3	9.51	R3	0.72	R3	10.23
R4	10.83	R4	9.87	R4	20.70
R4(35)	6.54	R4(35)	0.00	R4(35)	6.54
R5	2.51	R5	1.09	R5	3.60
R5(35)	0.38	R5(35)		R5(35)	0.38
R6	3.00	R6	0.48	R6	3.48
R7	1.37	R7	0.19	R7	1.56
R8	0.42	R8		R8	0.42
RR	0.81	RR	0.23	RR	1.04
Total	85.95		88.51		174.45

A literature review of pollutant loads by land use type was conducted in 2017. There were a wide range of values found for several stormwater pollutants including total nitrogen, total phosphorus, total suspended solids, and E. coli. Pollutant load values were reported as either pollutant export coefficients or event mean concentrations. Pollutant export coefficients represent the average total amount of a pollutant loaded into a system annually from a defined area (kg/ha/yr), whereas event mean concentrations estimate the mass of pollutant per unit of volume (mg/L) based on data generated from local stormwater monitoring. In order to calculate total pollutant loads from event mean concentrations knowledge of surface imperviousness for a given land use type and precipitation data for the area must be used. These literature values, while not specific to Omaha, provide a basic assessment of the range of pollutant loading concentrations within the Omaha area based on current land use patterns.

Pollutant Export Coefficients for total nitrogen and total phosphorus and total nitrogen and phosphorus load based on land use type area. The highest and lowest estimates are shown.

	Area (ha)	Total Nitrogen (kg/ha/yr)		Total Phosphorus (kg/ha/yr)		Total Nitrogen Load (kg/yr)		Total Phosphorus Load (kg/yr)	
		Low	High	Low	High	Low	High	Low	High
Agricultural	1,294.45	2.10	79.60	0.26	18.60	2,718.35	103,038.53	336.56	24,076.84
Commercial	7,007.39	1.90	13.80	0.10	7.60	13,314.04	96,701.96	13,314.04	53,256.15
Industrial	1,856.65	1.90	14.00	0.40	4.10	3,527.63	25,993.10	3,527.63	7,612.26
Residential	12,101.90	5.00	7.50	0.77	2.20	60,509.52	90,764.27	60,509.52	26,624.19

Event Mean Concentrations for total nitrogen, total phosphorus, and total suspended solids with the highest and lowest estimates shown.

	Total Nitrogen (mg/L)		Total Phosphorus (mg/L)		Total Suspended Solids (mg/L)	
	Low	High	Low	High	Low	High
Agricultural	0.23	41.49	0.08	2.29	19	582
Commercial	0.96	1.8	0.18	0.28	49.6	284
Industrial	0.86	2.9	0.27	0.36	92.2	231
Residential	1.5	5.92	0.38	75	73	299

4. Evaluation Assessment

Environmental Indicators

The City of Omaha has continued its efforts to promote and implement green infrastructure practices as an effective means to manage stormwater runoff in 2024. BMP assessment monitoring remains a significant part of our stormwater program. The monitoring program work is primarily conducted with internal staff. We continue to update BMP assessment monitoring to better understand how BMPs can be used to improve water quality in Omaha. Monitoring in 2024 again indicated that green infrastructure effectively reduces peak flows and total volume of stormwater and improves water quality, particularly for the reduction of solids. See [Attachment F](#) for the summary of 2024 monitoring efforts.

Administrative Indicators – by MCM **Public Education & Outreach:**

BMPs in this MCM continue to be effective in increasing the public awareness of stormwater issues and what can be done to address them in 2024. In-person education and outreach events have resumed. Collaboration with Keep Omaha Beautiful (KOB) continued in 2024 with in-person events resuming. KOB was able to continue their strong outreach programs. Together with KOB we reached over 22,000 people in 2024, an increase of over 3,000 from 2023. KOB, as part of their environmental education training workshops, trained teachers on stormwater topics to take forward to teach in their classrooms. Based on surveys from those teachers, they will incorporate what they learned into their classrooms and reach over 48,000 students. The combined totals of social media presence for OmahaStormwater.org, WorldOWater.org, and OmahaPlants.org in 2024 was 15,186 users, 52,470 page views, and 21,796 sessions. The annual, World O! Water family event was held in-person with interactive activities and resources shared by numerous organizations and companies. In 2024, efforts will continue to improve and promote the Omaha Stormwater Facebook page, OmahaStormwater.org, OmahaPlants.org, WorldOWater.com, and to coordinate with KOB. Social media will continue to be a part of the outreach programs as it allows flexibility and accessibility to many citizens.

Public Participation and Involvement:

BMPs in this MCM have been effective in engaging the public in the implementation of stormwater controls and providing access to information about the City's SWMP and annual reports in 2024. Collaboration with KOB continued to be excellent in 2024 as they were able to have in-person events and continued with their prominent online presence and resources. In 2024, there were 139 participants that marked and cleaned 1,067 inlets. A total of 1,036 door hangers were placed on nearby residences of these marked inlets for awareness and how they can reach out to be a part of the program. The Program will continue to maintain exposure of participation opportunities for the public on websites and social media.

Illicit Discharge Detection and Elimination:

BMPs in this MCM have been effective in eliminating illicit discharges in the MS4 service area in 2024. In the 2020 EPA audit of Omaha's MS4 permit, one of the findings from the contractor's report indicated the program "lacked direction on how to distinguish "potential" and "suspect" illicit discharges and did not identify clear criteria for when further investigation and sampling is appropriate". The current SOP is based on the Center for Watershed Protection's (CSW) IDDE Guidance Manual and utilizes the forms and strategies

presented in it, a commonly utilized resource for MS4 entities. This manual's resources continue to be referenced and is being reviewed to update the SOP. In addition to that, the City reviewed four other city's MS4 IDDE program documents to review their programs and see if there were resources or other strategies that that could be considered into the city's program. These included the City of Lincoln and Kearney in Nebraska, who have had recent EPA audits themselves. Kansas City, MO was reviewed as another large MS4 program within the EPA Region 7 footprint and Charleston, NC was reviewed as a comparable city in a different EPA region. The outfall screening SOP was finalized in 2024, training is provided to inspectors and references to review and utilize the resources in the CSW Manual and guidance from the reviewed cities to ensure they had clear guidance while conducting outfall screenings. GIS information maintained by the Sewer Maintenance Division continued to be reviewed in 2024 to ensure all applicable outfalls were accounted for and screened.

Complaints received by the Program continues to utilize the CityWorks asset management software and has been very beneficial in streamlining documentation and tracking of all complaints, including those that involve an illicit discharge. The majority of complaints that are received are able to be resolved simply by requesting voluntary compliance and educating the responsible party, resulting in less stormwater pollution. The complainants and the responsible parties from these complaints are generally understanding and want to do the right thing in keeping stormwater pollution low.

Construction:

BMPs in this MCM have been effective in reducing construction site runoff and erosion issues in 2024. Construction stormwater training continues to be incorporated into the existing monthly safety toolbox meetings for City EQCD Environmental Inspectors and has helped improve overall understanding of the program and addressing any issues that may arise in the previous month. By providing training to municipal staff, mechanisms for complaints, and education to developers and contractors, the Program continues to promote construction site compliance. Emphasis on compliance and education continues to have positive results for public and private construction activity. Public input and transparency prompts the Program to best serve the needs of the regulated community, the public, and the City. Improving communication between grading permit applicants, inspecting firms, and contractors has also continued to be an emphasis in 2024. Improving the flow of communication between these parties is essential in order to have timely response to issues to minimize stormwater pollution. In 2022, the task of grading permit issuance and management was transferred from the Public Works Environmental Quality Control Division (EQCD) to the Design Division. This will allow for better coordination with other permitting efforts, including post-construction and public improvements, for an efficient review. Construction site inspections and coordination will remain with EQCD.

Post Construction:

BMPs in this MCM have been effective in achieving the goals of the Post-Construction Stormwater Program. In 2019, the City began requiring a project to submit and have approved, a post-construction application prior to the issuance of a grading permit. In 2020, the City then began requiring any permanent component of a post-construction stormwater BMP that is also used as a component of a temporary BMP for construction stormwater be approved as part of the Post-Construction Stormwater Management Plan (PCSMP) review process before grading permit approval. This was necessary to address an increase of permanent features being installed and used as part of a temporary sediment basin system, i.e. the riser and barrel, before their PCSMP was approved. These two steps have proven to be an effective way to ensure projects are progressing forward and are adequate in meeting the requirements of the Post-Construction ordinance. In 2024, monthly

meetings continued within Public Works to review projects that will be in front of the Planning Board for approval. These meetings allow for comments to be shared with the Planning Department and the project regarding their PCSMP and Grading Permit documents to be addressed early on in the process or even after construction has begun and compliance is being sought on a site that is out of compliance.

In the 2020 EPA Omaha MS4 permit audit, one of the findings from the contractor's report indicated the program "does not have a method to ensure that private BMPs are functional and that maintenance is conducted when necessary". As a response to the 2020 EPA audit, the Stormwater program has incorporated a workflow for privately owned post-construction BMPs. The plan was developed to ensure that post-construction BMPs are installed per the PCSMP, and that they are in overall good working condition. The PCSMP workflow consists of the City inspector documenting the condition of post-construction BMPs at the time of a close-out inspection. The City will continue to utilize a complaint-based strategy to inspect certified private post-construction BMPs. This strategy will continue to be reviewed and will be updated as necessary. In 2025 the Program will continue working with projects to incorporate their PCSMPs earlier into their planning process. Also, the Program will finalize and then implement any updates to the strategy to inspect certified projects to ensure that long-term maintenance is being conducted.

Pollution Prevention & Good Housekeeping:

BMPs in this MCM have been effective in managing stormwater pollution from City facilities and operations in 2024. Ensuring the Program is in compliance with its own regulations is crucial for maintaining integrity and achieving water quality goals. The City's facilities continue to be reviewed for potential pollutant exposure to stormwater, to identify vulnerabilities, and further educational needs. The Program continues to enhance training programs for City employees to provide more applicable information to more individuals. The virtual IDDE training video was utilized again in 2024 to municipal facilities managers to show their employees based upon their schedules and provide a roster back to the Program. This method of distribution has proven to be an effective and efficient means of training. Feedback from facilities has indicated these trainings are well-received and has resulted in cleaner sites and reporting of issues observed in the field. City-owned basins and green infrastructure continued to have regular inspections and maintenance in 2024 to ensure they are working to their highest potential.

Industry:

BMPs in this MCM have been effective in increasing compliance with the NDEE Industrial Stormwater Permit (ISW Permit) in 2024. The Program continues to coordinate with NDEE to maintain an updated and accurate list of industries in Omaha. This continues to be an effective way to work with the regulated community to improve overall compliance with the industrial stormwater permit by industries. When industries are found to not have ISW permit coverage, we provide resources to the industry and coordinate with NDEE as needed to bring the site into compliance. In 2025, the Program will continue to implement these BMPs and improve education and outreach to industries in order improve water quality and industry compliance.

BMP Assessment Monitoring:

The Program, prior to 2019, contracted out the monitoring of some BMPs to consultants in order to fully implement the BMP monitoring plan. Due to the lack of State Stormwater Grant funds in 2019, the Program took on this requirement. The BMP monitoring plan was updated in 2019 to update the sites and parameters. The locations and parameters for monitoring have remained consistent from 2020 to 2024 and data collected

in 2024 continues to support that BMPs are effective at improving water quality, reducing stormwater peak flows and quantity. These consistent locations provide important short term insights on their effectiveness. As additional years of data is collected, this will provide important, long term insights on their effectiveness. Efforts will continue to be made to partner with more groups to reference and compare data. This data helps the Program make recommendations to residents, designers, and developers for types and styles of BMPs that will be most effective under specific conditions. Because of this monitoring, the Program can confidently say that BMPs being recommended are having a positive impact on water quality.

5. Expenditures for the Storm Water Program

A copy of the complete City of Omaha budget with past expenditures can be found at <http://finance.cityofomaha.org>. Stormwater management activities are embedded in a variety of City programs and work groups. These activities are funded by a variety of sources including the General Fund, Sewer Revenue Funds, Stormwater Administrative Fee Fund, Street and Highway Allocations, and the Street Maintenance Fund.

As such, it is difficult to accurately compile a comprehensive financial summary of every City activity that may have impacts on stormwater. For example, the City maintains litter cans in business districts throughout the City and has a contractor scheduled to empty them on a regular basis. This activity constitutes a stormwater source control or pollution prevention program. These costs are expended from the Solid Waste budget and are not included in the figures below.

1. Administrative

The Quality Control Division of the Omaha Public Works Department has responsibility for coordinating City activities to implement the SWMP and insure that the City meets its MS4 permit requirements. The estimated MS4 administrative expenditures for 2024 and appropriated 2025 budget amounts are listed below.

Administrative	2024 Expenditures	2025 Planned
Flood Control Administration	\$669,183	\$524,260
Baseline/BMP Monitoring ¹	\$469,423	\$445,178
Sediment/Erosion Control Program	\$469,423	\$445,178
Industrial Program ²	\$93,885	\$89,036
Public Education/Outreach	\$344,243	\$326,464
MS4 Planning	\$187,769	\$178,071
Annual Administrative Total	\$2,233,925	\$2,008,187
¹ Includes outfall monitoring, outfall inspections, and illicit discharge investigations ² Includes industrial inspections and permitting		

2. Operation and Maintenance

The major MS4-related Operation and Maintenance 2024 expenditures and budgeted amounts for 2024 are listed below. These amounts were estimated by evaluating the overall activity costs in the City budget

organizations and assigning a percentage for the costs attributable to stormwater related activities. There are undoubtedly additional City funded expenditures that impact storm water management, and the following is a conservative estimate of total costs for the City.

Operation and Maintenance	2024 Expenditures	2025 Budgeted
Engineering Design	\$946,018	\$1,241,207
Pavement Maintenance	\$993,243	\$2,372,977
Creek/Open Channel Maintenance	\$466,784	\$647,593
Street /Right of Way Cleaning	\$3,853,864	\$4,683,540
OWP (debris removal)	\$11,285	\$19,363
Residential Street Rehabilitation	\$868,889	\$1,000,000
Bridge Maintenance and Rehab	\$20,882	\$72,500
Sewer Maintenance	\$1,457,396	\$1,653,204
Annual O&M Total	\$8,618,360	\$11,690,383

ATTACHMENT A

City of Omaha - Storm Water Management Plan

Measurable goals listed in the Storm Water Management Plan are target goals on which progress will be reported on in the annual report.

A. Public Education and Outreach		
BMP #	SWMP Element Description	Target Goals & Implementation Schedule
1, 3, & 4.	Develop a plan for outreach that defines the goals, objectives, target audience and distribution process of materials for the public education and outreach program.	Year 1 – Develop a 5-year education and outreach plan. Submit the plan to NDEQ with the Annual Report. Years 2-5 – Review and update the plan each permit year and include the revised plan in the Annual Report.
2.	Maintain and update appropriate messages for targeted residential, construction, and commercial issues.	Year 1 – Inventory current outreach materials in each of these targeted areas and develop new materials as needed. Years 2-5 – Provide copies of new outreach materials in the annual report.

B. Public Participation and Involvement		
BMP #	SWMP Element Description	Target Goals & Implementation Schedule
1.	Provide opportunities for citizens to comment on new rules, ordinances, and regulations regarding the MS4.	On-Going All Years – Post on the City Stormwater Website proposed changes to rules, ordinances, and regulations. Provide information in the annual report on approved changes and input received from the public.
2.	Create opportunities for citizens to participate in the implementation of stormwater controls.	On-Going All Years – Post on the City Stormwater Website opportunities for public involvement in stormwater control related activities.
3.	Provide access to information about the City’s SWMP.	On-Going All Years – Maintain current City SWMP and MS4 annual reports on the Omaha Stormwater website.

C. Illicit Discharge Detection and Elimination		
BMP #	SWMP Element Description	Target Goals & Implementation Schedule
1.	a	Maintain a compliance plan or mechanism to follow up on illicit discharges.
1.	b	Maintain a map showing all known MS4 outfalls and the location of all state-designated waters receiving direct discharges from MS4 outfalls.
1.	c	Conduct field screening activities per the permit requirements (set forth in 40 CFR Part 122.26(d)(1)(iv)(D)) specifically geared to local TMDL pollutants of concern such as <i>E. Coli</i> and to eliminate illicit discharges,
1.	d	Implement procedures to investigate and trace sources of identified illicit discharges to the MS4.
1.	e	Implement procedures to remove illicit discharges to the MS4. Document all interactions with potentially responsible parties.
1.	f	Identify and address allowable non-stormwater discharges determined to be significant contributors to pollutants. Identify any additional non-stormwater discharges that will not be addressed as illicit discharges.
2 & 3.	Coordinate with adjacent permitted MS4s to report illicit discharges to the appropriate authority having jurisdiction and respond to reports from other MS4s.	Year 1 – Develop procedures for coordination with adjacent permitted MS4’s. On-Going All Years – Include in the annual report any known illicit discharge reports to and from adjacent MS4s.
4.	Maintain written procedures for the IDDE component of the MS4 permit.	On-Going All Years – Make available upon request the standard operating procedures developed under this program component.
5.	Receive reports and complaints, internally and from the public, of illicit discharges and illegal dumping into the MS4. Respond to and investigate complaints about spills, dumping, or disposal of materials other than stormwater to the MS4.	On-Going All Years – Coordinate with others in the City to resolve complaints. Develop a system to generate reports and track the number of calls per year in regard to spills, dumping or improper disposal of material to the MS4. Include a count of complaints received and investigations completed in the annual report.

6.	Develop, implement and maintain a training program for municipal field staff with respect to IDDE.	<p>Year 1 – Develop a strategy which identifies field staff and appropriate levels of training.</p> <p>Years 2 - 5 – Provide a count of employees which have received training in the annual report.</p>
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D. Construction Site Runoff Control

BMP #	SWMP Element Description	Target Goals & Implementation Schedule
1.	Maintain the established program requiring operators of public or private construction activities to comply with local erosion and sediment control requirements.	On-Going All Years – Include any updates to City Code or Permit requirements in the annual report.
2.	Maintain a compliance plan or mechanism to follow up on construction site non-compliance.	On-Going All Years – Maintain the compliance procedures per the permit requirements.
3.	Review grading permit applications and maintain a continually updated inventory of all private and public construction sites.	On-Going All Years – Include in the annual report the number and type of grading permits reviewed.
4.	Maintain the electronic records for inspection of construction sites and enforcement of erosion and sediment control measures.	Year 1 – Develop a strategy for site inspections by municipal staff, and include in the annual report. On-Going All Years – Inspect construction sites on a regular basis and on a complaint basis. Track the number of sites inspected annually in a database. Initiate enforcement proceedings as appropriate to address violations. Include a summary of inspections completed and enforcement actions taken in the annual report.
5.	Provide training for municipal staff with respect to their assigned duties as it relates to sediment and erosion control from construction activity. One formal training course for inspection staff during their employment with the City and internal training on an as needed basis to maintain consistent reporting among all inspectors.	On-Going All Years – Include in the annual report the number of staff and their sediment and erosion control training completed.
6.	Communicate with the regulated community and other groups affected by the Construction Site Runoff program and provide a mechanism to receive complaints from the public.	On-Going All Years – Conduct workshops for developers, builders, site designers, contractors, and/or City staff as determined necessary (i.e., a rule or regulation is changed). Track reports from the public regarding construction sites. Include the number of reports received in the annual report and the permittees response.

E. Post Construction Runoff Control		
BMP #	SWMP Element Description	Measurable Commitments & Implementation Schedule
1.	Continue to implement the Post Construction Program as stipulated in the OMC. Periodically update guidance material and develop divergent standards for difficult sites such as linear projects. Update as needed the Omaha Regional Stormwater Design Manual (ORSDM).	Year 1 – Develop divergent standards for guidance document and update guidance as needed. Submit standards with the annual report. On-going All Years – Revise as necessary. Include a summary of revisions in the annual report.
2.	Review and update, if needed, the standards outlined in the OMC and ORSDM for consistency with required performance standards as they relate to post-construction stormwater management plans.	On-going All Years – Report on any updates to the OMC or ORSDM.
3.	Maintain an online submittal and review process for site plans, easement and maintenance agreements, as built drawings, deed recordings and drainage studies.	On-going All Years – Report number of PCSMP projects and the status of their progress in the annual report.
4.	Develop SOP’s for responding to complaints regarding Post Construction BMPs and a strategy for verifying BMPs are being installed & maintained in perpetuity.	Year 1 – Submit SOP’s with the annual report. On-going All Years – Report on any complaints and/or BMP’s which have been certified as complete.
5.	Maintain a database that stores information on approved PCSMPs.	On-going All Years – Provide an inventory of certified stormwater control measures installed as part of the PCSMP requirements. Include a count of BMP types as well as any known changes to BMPs in the annual report.
6.	Inspect sites that are certified by the engineer of record and all sites identified as deficient on a complaint basis. Develop a protocol to bring sites in to compliance.	Year 1 – Develop protocol for compliance assistance, and inspection strategy On-going All Years – Document and maintain inspection records of the certified PCSMP projects as identified in the strategy developed. Document any enforcement actions taken. Summarize activities in annual report.

F. Pollution Prevention and Good Housekeeping		
BMP #	SWMP Element Description	Target Goals & Implementation Schedule
1.	Maintain an inventory and map of municipal facilities. Review annually and update if needed.	On-Going All Years – Maintain an inventory and map of all municipal facilities.
2.	Conduct assessments of municipal maintenance facilities and review their municipal runoff control plans as applicable. Revise plans as needed if facilities expand or reduce activities and implement recommendations based on annual inspections.	Year 1 – Develop a strategy to assess municipal facilities and prioritize them based upon a defined set of criteria, include strategy in the annual report. Years 2 - 5 – Track the number of assessments for municipal facilities based upon the strategy developed in year 1. Include the number of assessments completed, a description of the assessment procedure and any changes in facilities ranking in the annual report.
3.	Continue to implement Omaha’s Good Housekeeping Program for municipal facilities that addresses “high-priority” facilities (hot spot score of 20-30 out of 30) and site specific SOPs.	On-Going All Years – Annually report new, removed, or significantly updated municipal facilities
4.	Implement practices for maintaining the storm sewer system that includes catch basin maintenance, open channels and other drainage structures, street sweeping, and structural stormwater controls. All maintenance procedures are to be performed such that waste water and waste materials do not enter the MS4.	Year 1 – Provide a description of the maintenance programs in the annual report. On-Going All Years – Annually report on Sewer Maintenance activities related to maintaining the storm sewer system and changes to any of the maintenance practices.
5.	Provide training for municipal employees in pollution prevention and good housekeeping.	Year 1 – Develop a strategy for municipal employee training in pollution prevention and good housekeeping, include strategy in annual report. On-Going All Years – Conduct training events for municipal staff include number of employees trained, based on strategy developed in year 1, in annual report.
6.	Provide educational material to contractors hired to perform maintenance activities on the MS4.	Year 1 – Develop materials to provide to contractors and include in the annual report. Years 2 - 5 – Include in the annual report any new materials or updates to existing materials.

G. Industrial and Related Facilities		
BMP #	SWMP Element Description	Target Goals & Implementation Schedule
1.	Maintain a program that identifies Industries within the MS4 area which fall into sectors identified in the ISW- NPDES permit.	Year 1 – Develop strategy that will identify industries and their compliance with NPDES permits. On-going All Years – Review and update strategy developed in year on and report on any changes in the annual report.
2.	Request a list of permitted facilities and the NOI from NDEQ in January of each permit year.	On-going All Years – Maintain a database to track NPDES permitted facilities.
3.	Inform industries about the NPDES ISW Permit and notify the state when industries are not in compliance with the state regulations.	On-going All Years – Develop industry specific publications regarding the NPDES regulations and distribute to inspected facilities.
4.	Inspect NPDES permitted industries from a list provided by NDEQ in January of each year. Maintain a tracking system for inspections and SWPPP reviews. Review the SWPPP or NEC prior to completing an inspection.	On-going All Years – Inspect 20% of the facilities on the list provided by NDEQ each year so that all industries are inspected once in the permit cycle.
5.	Ensure inspectors completing industrial stormwater inspections are competent.	On-going All Years – Report inspection activities in the annual report.

H. Monitoring Program		
BMP #	SWMP Element Description	Measurable Commitments & Implementation Schedule
1.	Dry Weather Screening	<p>On-going All Years – Implement a dry weather screening of priority outfalls for IDDE following screening and sampling plan. Keep a record of outfalls observed and a record of the field screening results. Follow strategy in SWMP Program Component C - IDDE for outfalls showing presence of an illicit discharge. Update priority list based on observations.</p>
2.	<p>Develop a wet weather BMP assessment monitoring plan for demonstration BMPs to facilitate future SWMP planning. Evaluate the effectiveness of the selected BMPs. BMP assessment may include flow based monitoring, or water quality sampling. Biological systems may include plant assessments and visual observations.</p> <p>Construct structural BMPs and implement non-structural BMPs to evaluate the effectiveness of their ability to address pollutants of concern. Include in the BMP assessment program if appropriate.</p>	<p>Year 1 – Revise the BMP assessment monitoring plan and submit to NDEQ for approval. Amend as necessary when new demonstration projects have been constructed.</p> <p>On-going All Years – Implement monitoring plan in demonstration projects. Report findings in the Annual Report.</p> <p>The following information shall be included in the Annual Activity Report:</p> <ol style="list-style-type: none"> 1) the location of the monitoring site 2) the intensity and duration of the storm event monitored; 3) the timing of sampling in comparison to the occurrence of the storm event and to the discharge of peak storm water flows; 4) the monitoring data; and a summary of the findings.
3.	Utilize data collected by others to help assess the effectiveness of BMPs.	<p>On-going All Years – Gather data from others and include in the annual report with a summary of findings.</p>

ATTACHMENT B

ATTACHMENT B – Complaint and Illicit Discharge Investigations

Date Initiated	Address	Valid Complaint	Illicit Discharge	Complaint Type	Resolution
2/7/2024	N 34th St & Jaynes St, Omaha, NE, 68111	Yes	No	CONSTRUCTION	Verbal RVC
2/9/2024	1321 S. 20th St.	Yes	No	CONSTRUCTION	None
2/13/2024	4047 N 168th St, Omaha, NE, 68116	Yes	Yes	ILLICIT DISCHARGE	RVC, education.
2/26/2024	9905 Q St, Omaha, NE, 68127	Yes	No	OTHER	Verbal
2/29/2024	3030 S 108th St, Omaha, NE, 68144	Yes	No	OTHER	Verbal RVC
3/8/2024	5421 S 174th St, Omaha, NE, 68135	Yes	No	CONSTRUCTION	Verbal RVC
3/8/2024	S 93rd St & Pacific St, Omaha, NE, 68124	Yes	No	CONSTRUCTION	Verbal
3/20/2024	10211 Calhoun Rd, Omaha, NE, 68112	Yes	No	CONSTRUCTION	Verbal RVC to get grading permit
4/8/2024	20605 Elkhorn Drive	Yes	No	CONSTRUCTION	Verbal
4/29/2024	11009 Martin Ave, Omaha, NE, 68164	Yes	Yes	ILLEGAL DUMPING	RVC
5/1/2024	N 168th St & Military Rd, Douglas County, NE, 68007	Yes	No	STORMWATER RUNOFF	
5/2/2024	4623 N 54th Cir, Omaha, NE, 68104	Yes	No	YARD WASTE	RVC
5/2/2024	3727 N 44th St, Omaha, NE, 68111	Yes	Yes	CONSTRUCTION	Written/brochure RVC
5/13/2024	11415 N 76th Plz, Douglas County, NE, 68122	Yes	No	CONSTRUCTION	Verbal - RVC

ATTACHMENT B – Complaint and Illicit Discharge Investigations

Date Initiated	Address	Valid Complaint	Illicit Discharge	Complaint Type	Resolution
5/20/2024	3720 Frances St	Yes	No	STORMWATER RUNOFF	
5/21/2024	103 S 50th Ave, Omaha, NE, 68132	Yes	No	CONSTRUCTION	Verbal RVC
5/22/2024	4816 S 180th St, Omaha, NE, 68135	Yes	No	ILLEGAL DUMPING	None yet
5/23/2024	902 Grace St, Omaha, NE, 68110	Yes	No	STORMWATER RUNOFF	
5/23/2024	6018 Country Club Oaks Pl, Omaha, NE, 68152	Yes	No	STORMWATER RUNOFF	RVC Written
5/28/2024	1210 Park Wild Ave, Omaha, NE, 68108	Yes	No	STORMWATER RUNOFF	RVC for stormwater, WO sent to Housing
5/29/2024	15818 Patrick Ave, Omaha, NE, 68116	Yes	No	OTHER	None
5/31/2024	9205 Bedford Ave, Omaha, NE, 68134	Yes	No	STORMWATER RUNOFF	RVC
6/3/2024	2201 Pierce St, Omaha, NE, 68108	Yes	No	STORMWATER RUNOFF	Request for street cleaning
6/3/2024	2113 N 151st Avenue Cir, Omaha, NE, 68116	Yes	No	CONSTRUCTION	Verbal-RVC
6/3/2024	408 William St, Omaha, NE, 68108	Yes	No	CONSTRUCTION	RVC
6/5/2024	1717 N 74th St, Omaha, NE, 68114	Yes	No	STORMWATER RUNOFF	RVC
6/5/2024	5527 Emile St, Omaha, NE, 68106	Yes	No	CONSTRUCTION	Verbal - RVC
6/5/2024	7344 North Ridge Dr., Omaha, NE, 68112	Yes	No	OTHER	

ATTACHMENT B – Complaint and Illicit Discharge Investigations

Date Initiated	Address	Valid Complaint	Illicit Discharge	Complaint Type	Resolution
6/7/2024	805 Crown Point Ave, Omaha, NE, 68110	Yes	No	OTHER	
6/13/2024	15477 Spencer St, Omaha, NE, 68116	Yes	Yes	ILLICIT DISCHARGE	Verbal-RVC
6/21/2024	2525 N 75th St, Omaha, NE, 68134	Yes	No	YARD WASTE	
6/28/2024	N 132nd St & Cuming St, Omaha, NE, 68154	Yes	Yes		
7/1/2024	6125 Lafayette Ave, Omaha, NE, 68132	Yes	No	OTHER	
7/8/2024	2018 Pierce St, Omaha, NE, 68108	Yes	No	CONSTRUCTION	Verbal RVC
7/8/2024	S 184th Avenue Cir & Mason St, Omaha, NE, 68022	Yes	No	CONSTRUCTION	Verbal-RVC
7/10/2024	5600 S 60th St, Omaha, NE, 68117	Yes	No	OTHER	
7/11/2024	3900 D St, Omaha, NE, 68107	Yes	No	OTHER	
7/11/2024	8943 J St, Omaha, NE, 68127	Yes	No	STORMWATER RUNOFF	RVC
7/24/2024	3503 Fontenelle Blvd, Omaha, NE, 68104	Yes	No	OTHER	RVC
8/2/2024	S 183rd St & Pacific St, Douglas County, NE, 68022	Yes	No	CONSTRUCTION	None
8/5/2024	S 51st St & U St, Omaha, NE, 68117	Yes	No	CONSTRUCTION	
8/6/2024	S 51st Ave & Grover St	Yes	Yes	ILLICIT DISCHARGE	Verbal RVC

ATTACHMENT B – Complaint and Illicit Discharge Investigations

Date Initiated	Address	Valid Complaint	Illicit Discharge	Complaint Type	Resolution
8/14/2024	4838 William St, Omaha, NE, 68106	Yes	Yes	OTHER	
8/14/2024	17310 Madison St, Omaha, NE, 68135	Yes	No	ILLEGAL DUMPING	RVC
8/14/2024	4326 S 37th St, Omaha, NE, 68107	Yes	No	STORMWATER RUNOFF	Verbal RVC
8/15/2024	1221 S 120th St, Omaha, NE, 68144	Yes	No	STORMWATER RUNOFF	Sent to planning
8/16/2024	19901 Leavenworth St, Omaha, NE, 68022	Yes	No	ILLEGAL DUMPING	RVC.
8/19/2024	5019 Grover St, Omaha, NE, 68106	Yes	No	OTHER	
8/19/2024	4034 S 24th St, Omaha, NE, 68107	Yes	No	OTHER	
8/28/2024	6068 Country Club Oaks Pl, Omaha, NE, 68152	Yes	No	ILLEGAL DUMPING	RVC
9/6/2024	4136 Grand Ave, Omaha, NE, 68111	Yes	No	ILLEGAL DUMPING	RVC
9/12/2024	8504 N 168TH N AVE	Yes	Yes	CONSTRUCTION	State inspection was conducted
9/13/2024	4350 McKinley St	Yes	Yes	OTHER	RVC
9/18/2024	N 180th St & Emmet St, Douglas County, NE, 68022	Yes	No	STORMWATER RUNOFF	None
9/23/2024	101-499 N 252nd St, Douglas County, NE, 68069	Yes	No	ILLEGAL DUMPING	Verbal RVC

ATTACHMENT B – Complaint and Illicit Discharge Investigations

Date Initiated	Address	Valid Complaint	Illicit Discharge	Complaint Type	Resolution
9/23/2024	8909 N 169th St, Douglas County, NE, 68007	Yes	No	CONSTRUCTION	Verbal RVC
9/25/2024	2255 Royal Wood Dr., Omaha, NE, 68144	Yes	Yes	ILLICIT DISCHARGE	RVC
9/26/2024	N 99th St & Redick Cir, Omaha, NE, 68122	Yes	Yes	ILLICIT DISCHARGE	NA
9/26/2024	2612 S 166th Cir, Omaha, NE, 68130	Yes	No	OTHER	
9/30/2024	16722 Harrison St	Yes	No	OTHER	
10/1/2024	16224 Orchard Cir, Omaha, NE, 68135	Yes	Yes	OTHER	
10/4/2024	19175 Honeysuckle Dr., Douglas County, NE, 68022	Yes	No	STORMWATER RUNOFF	
10/8/2024	15711 Hascall Cir, Omaha, NE, 68130	Yes	Yes	ILLICIT DISCHARGE	RVC
10/9/2024	1912 Ida St, Omaha, NE, 68112	Yes	No	CONSTRUCTION	RVC verbal
10/11/2024	9479 Weir St, Omaha, NE, 68127	Yes	No		
10/11/2024	10504 Bondesson Cir., Douglas County, NE, 68122	Yes	No	POST- CONSTRUCTION BMP	Letter of Warning - Written
10/15/2024	8795 Frederick St, Omaha, NE, 68124	Yes	No	OTHER	Water main break
10/17/2024	S 61st St & L St, Omaha, NE, 68117	Yes	No	ILLEGAL DUMPING	Verbal RVC

ATTACHMENT B – Complaint and Illicit Discharge Investigations

Date Initiated	Address	Valid Complaint	Illicit Discharge	Complaint Type	Resolution
11/6/2024	1205 Howard St, Omaha, NE, 68102	Yes	No	CONSTRUCTION	
11/6/2024	4666 S 132 ST	Yes	No	POST- CONSTRUCTION BMP	RVC
11/12/2024	S 126th St & Leavenworth Rd, Omaha, NE, 68154	Yes	No	CONSTRUCTION	Rinsing of concrete truck
11/12/2024	N 126th St & Fort St, Omaha, NE, 68164	Yes	No	CONSTRUCTION	
12/9/2024	1518 S 32nd St, Omaha, NE, 68105	Yes	No	OTHER	Leaking car in street

ATTACHMENT C

ATTACHMENT C – Inlet Marking Activities

Month of Service	Location Description [Starting Address/Area]	Organization	# of Drains Marked	# of Drains Cleaned (already marked)	Total # of Youth Volunteers	Total # of Adult Volunteers	Hours for the Event	Total Volunteer Hours	Litter Bags (Trash & Recycling) Collected #	# of Door Hangers Distributed
April	Between 180th and 168th, Pacific to Shirley St.	None Provided	56	15	3	1	4	16	2	80
May		None Provided	40	0	0	1	2	2	0	0
May	Memorial Park and Surrounding Area	Woodmen Life	18	1	0	10	1	10	0	0
May	N 30th - Laurel Ave - Fort St - N 33rd	US MARINES	27	4	0	4	1	4	0	8
June	Deer Park Neighborhoods	Deloitte	187	67	0	50	2	100	7	405
June	State St to Weber and Vain, between 163rd and 144th St.	E & A Consulting Group	167	76	0	12	2.5	30	0	308
June	Hickory to Pacific St.	Applied Underwriters	82	13	0	12	1	12	0	0
August	West Omaha	Catena Media	63	0	0	1	8	8	1	25
August	North Omaha 16th - 24th Evans to Grant St	None Provided	25	0	0	1	2	2	0	0
September	South Omaha by 45th & Q St	None Provided	42	0	0	1	3	3	2	0
September	52nd-60th, Miami to Burdette Area	Branch Pattern	35	50	0	9	2	18	3	20
September	Shadow Ridge Neighborhood (near 180th & Center)	Nebraska Force Softball Team	137	0	16	10	3	78	4	155
September	Near 120th/132nd and Blondo	Mulhalls	138	35	0	6	2	12	0	0
September	50th & Leavenworth area	Healthy Earth Alliance at UNMC	20	5	0	1	2	2	2	35
October	Woolworth to Dorcas 56th to 63rd St; Mercy to Pine 43rd to 45th St; Hascal to Marinda 51st to 44th St.	None Provided	30	6	0	1	2	2	1	0
Totals	14		1067	272	19	120		37.5	22	1036

ATTACHMENT D

ATTACHMENT D – Education and Outreach Activities

Date	Event Name	Activity Type	# of Attendees	Target Audience(s)
1/5/2024	Activity Books Distribution	Distribution	100	Residential
2/1/2024	SEC Seminar	Public Outreach	243 in-person, 194 virtual	Commercial
2/14/2024	Bioretention Manuals Distribution	Distribution	N/A	Residential
3/1/24-3/3/2024	Home and Garden Expo	Public Outreach		Residential
4/11/2024	STEM Night Indian Hills	Public Outreach	52	Residential
4/18/2024	SEC Flipbook Distribution	Distribution	3	Commercial
4/23/2024	Lauritzen Gardens Festival	Public Outreach	2050	Residential
4/25/2024	Kennedy STEAM Night	Public Outreach	200	Residential
4/27/2024	Earth Day	Public Outreach	4000	Residential
Starts on 5/2/24	Rain Barrel Giveaway	Distribution		Residential
5/5/2024	Westview Arbor Day	Public Outreach	131	Residential
6/1/2024	Rain Barrel Workshop	Public Outreach	36	Residential
6/12/2024	SEC Flipbook Distribution	Distribution	2	Construction
6/8/2024	Rain Barrel Workshop	Public Outreach	22	Residential
7/10/2024	Outdoor Day-Family Camp	Public Outreach	N/A	Residential
7/15/2024	Outdoor Day-Family Camp	Public Outreach	N/A	Residential
7/22/2024	Outdoor Day-Family Camp	Public Outreach	N/A	Residential
7/26/2024	Kid College Day	Public Outreach	12	Residential
7/30/2024	SEC Flipbook Distribution	Distribution		Construction
8/8/2024	Conservation Nebraska webinar	Public Outreach	9	Residential
9/7/2024	World O! Water	Public Outreach	1206	Residential
9/20/2024	SEC Flipbook Distribution	Distribution		Construction
9/24/2024	SEC Flipbook Distribution	Distribution		Construction
9/29/2024	Walk and Dog Fest	Public Outreach		Residential

ATTACHMENT D – Education and Outreach Activities

Date	Event Name	Activity Type	# of Attendees	Target Audience(s)
10/4/2024	SEC Flipbook Distribution	Distribution		Construction
10/10/2024	Goldenrod Festival	Public Outreach	813	Residential
10/12/24 & 10/13/24	Fall Home Show	Public Outreach		Residential
11/21/2024	Kennedy STEAM Night	Public Outreach		Residential
10/29/2024	SEC Flipbook Distribution	Distribution		Construction

ATTACHMENT D – Education and Outreach Activities

Date	Event Name (if applicable)	Location:	Primary/Key Topic	MS4 Target Audience Category	# of Separate Activities/ Presentations	# of Youth Participants	# of Adult Participants	Student Reach (by KOB trained teachers)	Stormwater -Related Brochure or Info	World O! Water Flier/ Brochure	HHW/ UTS Brochure	Litter Reduction or Recycling Brochure/Info
1/9/2024	ESU #3 Meeting Presentation	6949 South 110th Street, La Vista, NE 68128	Litter-Waste Reduction or Recycling AND Stormwater Pollution or Water Conservation	Community	1	0	17	0	17	0	17	17
1/10/2024	After School Program (OPS)	3506 Franklin Street, Omaha, NE 68111	Stormwater Pollution or Water Conservation	Community	1	18	1	0	0	0	0	0
1/15/2024	Millard Public Schools - Panelist for Teacher In-Service Day	5710 S 176th Ave, Omaha, NE 68135	Litter-Waste Reduction or Recycling AND Stormwater Pollution or Water Conservation	Community	1	0	110	0	0	0	0	0
1/17/2024	After School Program (OPS)	3506 Franklin Street, Omaha, NE 68111	Litter-Waste Reduction or Recycling AND Stormwater Pollution or Water Conservation	Community	1	18	1	0	0	0	0	0
1/26/2024	Westside Early Childhood Professional Development Day	6400 S University Dr Rd N, Omaha, NE 68182	Litter-Waste Reduction or Recycling AND Stormwater Pollution or Water Conservation	Community	1	0	24	596	24	0	24	24
1/30/2024	After School Program (OPS)	2115 Burdette Street, Omaha, NE 68110	Litter-Waste Reduction or Recycling AND Stormwater Pollution or Water Conservation	Community	1	15	1	0	0	0	0	0
2/6/2024	After School Program (OPS)	2115 Burdette Street, Omaha, NE 68110	Litter-Waste Reduction or Recycling AND Stormwater Pollution or Water Conservation	Community	1	15	1	0	0	0	0	0
2/6/2024	Millard Public Schools- Aldrich Elementary-In School 5th Grade	506 N 162nd Ave, Omaha, NE 68118	Litter-Waste Reduction or Recycling AND Stormwater Pollution or Water Conservation	Community	1	12	1	0	0	0	0	0
2/13/2024	Coaching - Education Kit Checkout	3300 North 22nd Street, Omaha, NE 68110	Litter-Waste Reduction or Recycling AND Stormwater Pollution or Water Conservation	Community	1	0	1	16	0	0	0	0
2/13/2024	After School Program (OPS)	2115 Burdette Street, Omaha, NE 68110	Litter-Waste Reduction or Recycling AND Stormwater Pollution or Water Conservation	Community	1	15	1	0	0	0	0	0
2/20/2024	After School Program (OPS)	2115 Burdette Street, Omaha, NE 68110	Litter-Waste Reduction or Recycling AND Stormwater Pollution or Water Conservation	Community	1	15	1	0	0	0	0	0

ATTACHMENT D – Education and Outreach Activities

Date	Event Name (if applicable)	Location:	Primary/Key Topic	MS4 Target Audience Category	# of Separate Activities/ Presentations	# of Youth Participants	# of Adult Participants	Student Reach (by KOB trained teachers)	Stormwater -Related Brochure or Info	World O! Water Flier/ Brochure	HHW/ UTS Brochure	Litter Reduction or Recycling Brochure/Info
2/22/2024	Coaching - Education Kit Checkout	3706 Maple St, Omaha, NE 68111	Litter-Waste Reduction or Recycling AND Stormwater Pollution or Water Conservation	Community	1	0	1	18	0	0	0	0
2/27/2024	After School Program (OPS)	2115 Burdette Street, Omaha, NE 68110	Litter-Waste Reduction or Recycling AND Stormwater Pollution or Water Conservation	Community	1	15	1	0	0	0	0	0
2/29/2024	NACEE Conference	88090 Spur 26 E, Ponca, NE 68770	Litter-Waste Reduction or Recycling AND Stormwater Pollution or Water Conservation	Community	1	0	16	36875	16	0	0	16
3/1/2024	School Program (OPS)	3706 Maple St, Omaha, NE 68111	Litter-Waste Reduction or Recycling AND Stormwater Pollution or Water Conservation	Community	1	15	2	0	0	0	0	17
3/4/2024	After School Program (OPS)	3506 Franklin Street, Omaha, NE 68111	Litter-Waste Reduction or Recycling AND Stormwater Pollution or Water Conservation	Community	1	18	1	0	0	0	0	0
3/5/2024	After School Program (OPS)	2115 Burdette Street, Omaha, NE 68110	Litter-Waste Reduction or Recycling AND Stormwater Pollution or Water Conservation	Community	1	15	1	0	0	0	0	0
3/6/2024	After School Program (OPS)	3506 Franklin Street, Omaha, NE 68111	Litter-Waste Reduction or Recycling AND Stormwater Pollution or Water Conservation	Community	1	18	1	0	0	0	0	0
3/11/2024	Coaching - Education Kit Checkout	8787 Pacific St., Omaha, NE 68114	Litter-Waste Reduction or Recycling AND Stormwater Pollution or Water Conservation	Community	1	0	1	14	0	0	0	0
3/18/2024	Coaching - Education Kit Checkout	2303 N. 97th St., Omaha, NE 68134	Litter-Waste Reduction or Recycling AND Stormwater Pollution or Water Conservation	Community	1	0	2	46	0	0	0	0
3/19/2024	After School Program (OPS)	2115 Burdette Street, Omaha, NE 68110	Litter-Waste Reduction or Recycling AND Stormwater Pollution or Water Conservation	Community	1	15	1	0	0	0	0	0
3/20/2024	After School Program (OPS)	3506 Franklin Street, Omaha, NE 68111	Litter-Waste Reduction or Recycling AND Stormwater Pollution or Water Conservation	Community	1	18	1	0	0	0	0	0

ATTACHMENT D – Education and Outreach Activities

Date	Event Name (if applicable)	Location:	Primary/Key Topic	MS4 Target Audience Category	# of Separate Activities/ Presentations	# of Youth Participants	# of Adult Participants	Student Reach (by KOB trained teachers)	Stormwater -Related Brochure or Info	World O! Water Flier/ Brochure	HHW/ UTS Brochure	Litter Reduction or Recycling Brochure/Info
3/21/2024	School Program (OPS)	5101 S 17th St, Omaha, NE 68107	Litter-Waste Reduction or Recycling AND Stormwater Pollution or Water Conservation	Community	3	75	2	0	0	0	0	0
3/25/2024	School Program (OPS)	5101 S 17th St, Omaha, NE 68107	Litter-Waste Reduction or Recycling AND Stormwater Pollution or Water Conservation	Community	3	75	1	0	0	0	0	0
3/26/2024	After School Program (OPS)	2115 Burdette Street, Omaha, NE 68110	Litter-Waste Reduction or Recycling AND Stormwater Pollution or Water Conservation	Community	1	15	1	0	0	0	0	0
3/26/2024	School Program (OPS)	5101 S 17th St, Omaha, NE 68107	Litter-Waste Reduction or Recycling AND Stormwater Pollution or Water Conservation	Community	3	75	2	0	0	0	0	0
3/27/2024	Pre-Service Teacher Training (Creighton)	2500 California Plaza, Omaha, NE 68178	Litter-Waste Reduction or Recycling AND Stormwater Pollution or Water Conservation	Community	2	0	14	0	14	0	14	14
3/27/2024	Pre-Service Teacher Training (UNO)	6005 S University Dr Rd N, Omaha, NE 68182	Litter-Waste Reduction or Recycling AND Stormwater Pollution or Water Conservation	Community	4	0	22	0	0	0	0	22
3/27/2024	Coaching - Education Kit Checkout	2115 Burdette Street, Omaha, NE 68110	Litter-Waste Reduction or Recycling AND Stormwater Pollution or Water Conservation	Community	1	0	2	15	0	0	0	0
4/1/2024	School Program (OPS)	5101 S 17th St, Omaha, NE 68107	Litter-Waste Reduction or Recycling AND Stormwater Pollution or Water Conservation	Community	3	75	1	0	0	0	0	0
4/2/2024	Coaching - Education Kit Checkout	3506 Franklin Street, Omaha, NE 68111	Litter-Waste Reduction or Recycling AND Stormwater Pollution or Water Conservation	Community	1	0	2	20	0	0	0	0
4/2/2024	After School Program (OPS)	2115 Burdette Street, Omaha, NE 68110	Litter-Waste Reduction or Recycling AND Stormwater Pollution or Water Conservation	Community	1	15	1	0	0	0	0	0
4/3/2024	After School Program (OPS)	3506 Franklin Street, Omaha, NE 68111	Litter-Waste Reduction or Recycling AND Stormwater Pollution or Water Conservation	Community	1	18	1	0	0	0	0	0

ATTACHMENT D – Education and Outreach Activities

Date	Event Name (if applicable)	Location:	Primary/Key Topic	MS4 Target Audience Category	# of Separate Activities/ Presentations	# of Youth Participants	# of Adult Participants	Student Reach (by KOB trained teachers)	Stormwater -Related Brochure or Info	World O! Water Flier/ Brochure	HHW/ UTS Brochure	Litter Reduction or Recycling Brochure/Info
4/4/2024	Pre-Service Teacher Training (UNO)	6005 S University Dr Rd N, Omaha, NE 68182	Litter-Waste Reduction or Recycling AND Stormwater Pollution or Water Conservation	Community	4	0	22	0	22	0	22	22
4/4/2024	Omaha Downtown Inc. - Monthly Guest Speaker	202 S 20th St, Omaha, NE 68102	Litter-Waste Reduction or Recycling AND Stormwater Pollution or Water Conservation	Commercial	1	0	25	0	0	0	0	25
4/4/2024	School Program (OPS)	5101 S 17th St, Omaha, NE 68107	Litter-Waste Reduction or Recycling AND Stormwater Pollution or Water Conservation	Community	3	75	2	0	0	0	0	0
4/9/2024	School Program (OPS)	5101 S 17th St, Omaha, NE 68107	Litter-Waste Reduction or Recycling AND Stormwater Pollution or Water Conservation	Community	3	75	1	0	0	0	0	0
4/10/2024	Coaching Session	3701 S 10th St, Omaha, NE 68107	Litter-Waste Reduction or Recycling AND Stormwater Pollution or Water Conservation	Community	6	70	22	0	0	0	0	0
4/11/2024	School Program (OPS)	5101 S 17th St, Omaha, NE 68107	Litter-Waste Reduction or Recycling AND Stormwater Pollution or Water Conservation	Community	3	75	2	0	0	0	0	0
4/15/2024	Coaching - Education Kit Checkout	7310 S 48th St, Omaha, NE 68157	Litter-Waste Reduction or Recycling AND Stormwater Pollution or Water Conservation	Community	1	0	1	60	0	0	0	0
4/16/2024	School Program (OPS)	5101 S 17th St, Omaha, NE 68107	Litter-Waste Reduction or Recycling AND Stormwater Pollution or Water Conservation	Community	3	75	1	0	0	0	0	0
4/16/2024	Coaching - Education Kit Checkout	8787 Pacific St., Omaha, NE 68114	Litter-Waste Reduction or Recycling AND Stormwater Pollution or Water Conservation	Community	1	0	1	14	0	0	0	0
4/17/2024	Pre-Service Teacher Training (UNO)	6005 S University Dr Rd N, Omaha, NE 68182	Litter-Waste Reduction or Recycling AND Stormwater Pollution or Water Conservation	Community	3	0	22	0	22	0	22	22
4/18/2024	School Program (OPS)	5101 S 17th St, Omaha, NE 68107	Litter-Waste Reduction or Recycling AND Stormwater Pollution or Water Conservation	Community	3	75	2	0	0	0	0	0

ATTACHMENT D – Education and Outreach Activities

Date	Event Name (if applicable)	Location:	Primary/Key Topic	MS4 Target Audience Category	# of Separate Activities/ Presentations	# of Youth Participants	# of Adult Participants	Student Reach (by KOB trained teachers)	Stormwater -Related Brochure or Info	World O! Water Flier/ Brochure	HHW/ UTS Brochure	Litter Reduction or Recycling Brochure/Info
4/20/2024	Mulhall's Earth Day Event	3615 N 120th St, Omaha, NE 68164	Litter-Waste Reduction or Recycling AND Stormwater Pollution or Water Conservation	Community	1	100	100	0	0	0	0	90
4/21/2024	MECA Earth Day	455 N 10th St, Omaha, NE 68102	Litter-Waste Reduction or Recycling AND Stormwater Pollution or Water Conservation	Community	1	150	170	0	50	0	0	200
4/22/2024	Fusion Medical Litter Cleanup Levi Carter	4405 Carter Lk Shr Dr, Omaha, NE 68110	Litter-Waste Reduction or Recycling AND Stormwater Pollution or Water Conservation	Community	1	0	40	0	0	0	0	0
4/23/2024	School Program (OPS)	5101 S 17th St, Omaha, NE 68107	Litter-Waste Reduction or Recycling AND Stormwater Pollution or Water Conservation	Community	3	75	1	0	0	0	0	0
4/23/2024	Lauritzen Gardens Arbor Day Festival	100 Bancroft St, Omaha, NE 68108	Litter-Waste Reduction or Recycling AND Stormwater Pollution or Water Conservation	Community	1	970	222	0	0	0	0	0
4/24/2024	School Program (OPS)	5304 Hamilton Street, Omaha, NE 68132	Litter-Waste Reduction or Recycling AND Stormwater Pollution or Water Conservation	Community	2	34	3	0	0	0	0	34
4/25/2024	Litter Clean Up with On Site Presentation	One Pacific Place Park, Omaha, NE 68124	Litter-Waste Reduction or Recycling AND Stormwater Pollution or Water Conservation	Community	1	0	30	0	0	0	0	0
4/25/2024	School Program (OPS)	5101 S 17th St, Omaha, NE 68107	Litter-Waste Reduction or Recycling AND Stormwater Pollution or Water Conservation	Community	3	75	2	0	0	0	0	0
4/27/2024	Celebrating Young Children Conference	6949 South 110th Street, La Vista, NE 68128	Litter-Waste Reduction or Recycling AND Stormwater Pollution or Water Conservation	Community	1	0	18	0	18	0	18	18
4/27/2024	Earth Day Omaha	808 S 60th St, Omaha, NE 68106	Litter-Waste Reduction or Recycling AND Stormwater Pollution or Water Conservation	Community	1	145	300	0	100	0	0	100
4/29/2024	School Program (OPS)	6717 N 63rd St, Omaha, NE 68152	Litter-Waste Reduction or Recycling AND Stormwater Pollution or Water Conservation	Community	2	50	3	0	0	0	0	0

ATTACHMENT D – Education and Outreach Activities

Date	Event Name (if applicable)	Location:	Primary/Key Topic	MS4 Target Audience Category	# of Separate Activities/ Presentations	# of Youth Participants	# of Adult Participants	Student Reach (by KOB trained teachers)	Stormwater -Related Brochure or Info	World O! Water Flier/ Brochure	HHW/ UTS Brochure	Litter Reduction or Recycling Brochure/Info
4/30/2024	School Program (OPS)	5101 S 17th St, Omaha, NE 68107	Litter-Waste Reduction or Recycling AND Stormwater Pollution or Water Conservation	Community	3	75	1	0	0	0	0	0
4/30/2024	School Program (OPS)	6717 N 63rd St, Omaha, NE 68152	Litter-Waste Reduction or Recycling AND Stormwater Pollution or Water Conservation	Community	2	200	15	0	0	0	0	0
5/2/2024	Boy Scouts of America Scout Leader Meet and Greet	2530 S. 165th Ave Omaha, NE 68130	Litter-Waste Reduction or Recycling AND Stormwater Pollution or Water Conservation	Community	1	0	41	0	15	25	0	0
5/2/2024	School Program (OPS)	5101 S 17th St, Omaha, NE 68107	Litter-Waste Reduction or Recycling AND Stormwater Pollution or Water Conservation	Community	3	75	2	0	0	0	0	0
5/3/2024	Araduis - Hanscom Park	3201 Woolworth Ave, Omaha, NE 68105	Litter-Waste Reduction or Recycling AND Stormwater Pollution or Water Conservation	Community	1	0	40	0	0	0	0	0
5/3/2024	School Program (OPS)	2906 North 30th Street, Omaha, NE 68111	Litter-Waste Reduction or Recycling AND Stormwater Pollution or Water Conservation	Community	2	53	2	0	0	0	0	0
5/4/2024	Educator Workshop - ESU #3	6949 South 110th Street, La Vista, NE 68128	Litter-Waste Reduction or Recycling AND Stormwater Pollution or Water Conservation	Community	1	0	15	0	15	0	15	15
5/7/2024	School Program (OPS)	5101 S 17th St, Omaha, NE 68107	Litter-Waste Reduction or Recycling AND Stormwater Pollution or Water Conservation	Community	2	75	8	0	0	0	0	0
5/8/2024	Pen Fed Litter Cleanup - Standing Bear	Papio Lake 16 Rd S, Omaha, NE 68164	Litter-Waste Reduction or Recycling AND Stormwater Pollution or Water Conservation	Community	1	0	40	0	0	0	0	0
5/9/2024	School Program (OPS)	5101 S 17th St, Omaha, NE 68107	Litter-Waste Reduction or Recycling AND Stormwater Pollution or Water Conservation	Community	3	75	1	0	0	0	0	0
5/10/2024	CFY STEM Bootcamp	105 North 31st Avenue, # 103, Omaha, NE 68131	Litter-Waste Reduction or Recycling AND Stormwater Pollution or Water Conservation	Community	1	0	6	0	6	0	0	6

ATTACHMENT D – Education and Outreach Activities

Date	Event Name (if applicable)	Location:	Primary/Key Topic	MS4 Target Audience Category	# of Separate Activities/ Presentations	# of Youth Participants	# of Adult Participants	Student Reach (by KOB trained teachers)	Stormwater -Related Brochure or Info	World O! Water Flier/ Brochure	HHW/ UTS Brochure	Litter Reduction or Recycling Brochure/Info
5/10/2024	BCBSNE - Litter Cleanup (Aksarben Trail/Stream)	2285 S 67th St, Omaha, NE 68106	Litter-Waste Reduction or Recycling AND Stormwater Pollution or Water Conservation	Community	1	0	15	0	0	0	0	0
5/11/2024	Summer Camp Educator Training	3701 S 10th St, Omaha, NE 68107	Litter-Waste Reduction or Recycling AND Stormwater Pollution or Water Conservation	Community	1	0	17	0	17	0	17	17
5/15/2024	School Program (OPS)	5304 Hamilton Street, Omaha, NE 68132	Litter-Waste Reduction or Recycling AND Stormwater Pollution or Water Conservation	Community	1	45	3	0	0	0	0	48
5/15/2024	Omaha Public Schools NJHS - annual cleanup	4405 Carter Lk Shr Dr, Omaha, NE 68110	Litter-Waste Reduction or Recycling AND Stormwater Pollution or Water Conservation	Community	1	260	20	0	0	0	0	0
5/21/2024	Summer Camp Educator Training	7028 Military Ave, Omaha, NE 68104	Litter-Waste Reduction or Recycling AND Stormwater Pollution or Water Conservation	Community	1	0	18	0	18	0	18	18
5/21/2024	Coaching Session (kit checkout)	1819 Farnam Street, Omaha, NE 68183	Litter-Waste Reduction or Recycling AND Stormwater Pollution or Water Conservation	Community	1	0	8	2400	0	0	0	0
5/21/2024	Coaching Session (kit checkout)	1819 Farnam Street, Omaha, NE 68183	Litter-Waste Reduction or Recycling AND Stormwater Pollution or Water Conservation	Community	1	0	8	2400	0	0	0	0
5/23/2024	Summer Camp Educator Training	2566 St Marys Ave, Omaha, NE 68105	Litter-Waste Reduction or Recycling AND Stormwater Pollution or Water Conservation	Community	1	0	16	0	16	0	0	0
5/29/2024	Coaching Session (kit checkout)	6708 S 161st Ave, Omaha, NE 68135	Litter-Waste Reduction or Recycling AND Stormwater Pollution or Water Conservation	Community	1	0	1	25	0	0	0	0
5/29/2024	Coaching Session	6708 S 161st Ave, Omaha, NE 68135	Litter-Waste Reduction or Recycling AND Stormwater Pollution or Water Conservation	Community	1	0	1	25	0	0	0	0
5/29/2024	CK summer program (K-3)	2566 St Marys Ave, Omaha, NE 68105	Litter-Waste Reduction or Recycling AND Stormwater Pollution or Water Conservation	Community	4	36	8	0	0	0	0	0

ATTACHMENT D – Education and Outreach Activities

Date	Event Name (if applicable)	Location:	Primary/Key Topic	MS4 Target Audience Category	# of Separate Activities/ Presentations	# of Youth Participants	# of Adult Participants	Student Reach (by KOB trained teachers)	Stormwater -Related Brochure or Info	World O! Water Flier/ Brochure	HHW/ UTS Brochure	Litter Reduction or Recycling Brochure/Info
5/30/2024	Summer Camp Educator Training	4768 Q St, Omaha, NE 68117	Litter-Waste Reduction or Recycling AND Stormwater Pollution or Water Conservation	Community	1	0	16	0	16	0	16	16
5/31/2024	CK summer program (4-6)	2566 St Marys Ave, Omaha, NE 68105	Litter-Waste Reduction or Recycling AND Stormwater Pollution or Water Conservation	Community	2	30	6	0	0	0	0	0
6/1/2024	Ocean Conservancy - Litter Cleanup Seymour Smith	6802 Harrison St, Omaha, NE 68127	Litter-Waste Reduction or Recycling AND Stormwater Pollution or Water Conservation	Community	1	7	25	0	0	0	0	0
6/1/2024	Rain Barrel Workshop	2825 Y St, Omaha, NE 68107	Litter-Waste Reduction or Recycling AND Stormwater Pollution or Water Conservation	Residential	3	8	28	0	22	0	0	22
6/3/2024	CK summer program (K-6)	2566 St Marys Ave, Omaha, NE 68105	Litter-Waste Reduction or Recycling AND Stormwater Pollution or Water Conservation	Community	6	61	12	0	0	0	0	0
6/3/2024	Coaching Session	8511 North 30th Street, Omaha, NE 68112	Litter-Waste Reduction or Recycling AND Stormwater Pollution or Water Conservation	Community	1	0	1	15	0	0	0	0
6/3/2024	School Program (OPS)	3121 U St, Omaha, NE 68107	Litter-Waste Reduction or Recycling AND Stormwater Pollution or Water Conservation	Community	2	70	6	0	0	0	0	0
6/4/2024	School Program (OPS)	5530 N 66th St, Omaha, NE 68104	Litter-Waste Reduction or Recycling AND Stormwater Pollution or Water Conservation	Community	2	32	4	0	0	0	0	0
6/4/2024	Summer programming at Miller Park	4768 Q St, Omaha, NE 68117	Litter-Waste Reduction or Recycling AND Stormwater Pollution or Water Conservation	Community	1	20	4	0	0	0	0	0
6/5/2024	CK summer program (K-3)	2566 St Marys Ave, Omaha, NE 68105	Litter-Waste Reduction or Recycling AND Stormwater Pollution or Water Conservation	Community	4	36	8	0	0	0	0	0
6/6/2024	School Program (OPS)	3300 North 22nd Street, Omaha, NE 68110	Litter-Waste Reduction or Recycling AND Stormwater Pollution or Water Conservation	Community	1	25	4	0	0	0	0	0

ATTACHMENT D – Education and Outreach Activities

Date	Event Name (if applicable)	Location:	Primary/Key Topic	MS4 Target Audience Category	# of Separate Activities/ Presentations	# of Youth Participants	# of Adult Participants	Student Reach (by KOB trained teachers)	Stormwater -Related Brochure or Info	World O! Water Flier/ Brochure	HHW/ UTS Brochure	Litter Reduction or Recycling Brochure/Info
6/7/2024	CK summer program (4-6)	2566 St Marys Ave, Omaha, NE 68105	Litter-Waste Reduction or Recycling AND Stormwater Pollution or Water Conservation	Community	2	30	6	0	0	0	0	0
6/7/2024	Impact Day - Storm Drain Marking	Deer Park, Omaha, NE 68108	Stormwater Pollution or Water Conservation	Community	1	1	100	0	0	0	0	0
6/8/2024	Rain Barrel Workshop - North Omaha	1612 N 24th St, Omaha, NE 68110	Stormwater Pollution or Water Conservation	Community	2	1	19	0	0	0	0	0
6/10/2024	School Program (OPS)	3121 U St, Omaha, NE 68107	Litter-Waste Reduction or Recycling AND Stormwater Pollution or Water Conservation	Community	2	70	6	0	0	0	0	0
6/11/2024	School Program (OPS)	5530 N 66th St, Omaha, NE 68104	Litter-Waste Reduction or Recycling AND Stormwater Pollution or Water Conservation	Community	2	32	4	0	0	0	0	0
6/11/2024	Summer programming at Miller Park	4768 Q St, Omaha, NE 68117	Litter-Waste Reduction or Recycling AND Stormwater Pollution or Water Conservation	Community	1	20	4	0	0	0	0	0
6/12/2024	CK summer program (K-3)	2566 St Marys Ave, Omaha, NE 68105	Litter-Waste Reduction or Recycling AND Stormwater Pollution or Water Conservation	Community	4	36	8	0	0	0	0	0
6/13/2024	CK summer program (4-6)	2566 St Marys Ave, Omaha, NE 68105	Litter-Waste Reduction or Recycling AND Stormwater Pollution or Water Conservation	Community	2	30	6	0	0	0	0	0
6/13/2024	School Program (OPS)	3300 North 22nd Street, Omaha, NE 68110	Litter-Waste Reduction or Recycling AND Stormwater Pollution or Water Conservation	Community	1	25	4	0	0	0	0	0
6/17/2024	CK summer program (K-6)	2566 St Marys Ave, Omaha, NE 68105	Litter-Waste Reduction or Recycling AND Stormwater Pollution or Water Conservation	Community	6	61	12	0	0	0	0	0
6/17/2024	School Program (OPS)	3121 U St, Omaha, NE 68107	Litter-Waste Reduction or Recycling AND Stormwater Pollution or Water Conservation	Community	2	70	6	0	0	0	0	0

ATTACHMENT D – Education and Outreach Activities

Date	Event Name (if applicable)	Location:	Primary/Key Topic	MS4 Target Audience Category	# of Separate Activities/ Presentations	# of Youth Participants	# of Adult Participants	Student Reach (by KOB trained teachers)	Stormwater -Related Brochure or Info	World O! Water Flier/ Brochure	HHW/ UTS Brochure	Litter Reduction or Recycling Brochure/Info
6/18/2024	School Program (OPS)	5530 N 66th St, Omaha, NE 68104	Litter-Waste Reduction or Recycling AND Stormwater Pollution or Water Conservation	Community	2	32	4	0	0	0	0	0
6/18/2024	Summer programming at Miller Park	4768 Q St, Omaha, NE 68117	Litter-Waste Reduction or Recycling AND Stormwater Pollution or Water Conservation	Community	1	20	4	0	0	0	0	0
6/19/2024	Coaching Session	1030 N. Broad Street, Fremont, NE 68025	Litter-Waste Reduction or Recycling AND Stormwater Pollution or Water Conservation	Community	1	0	2	50	0	0	0	0
6/19/2024	Coaching Session	6708 S 161st Ave, Omaha, NE 68135	Litter-Waste Reduction or Recycling AND Stormwater Pollution or Water Conservation	Community	1	0	1	25	0	0	0	0
6/20/2024	School Program (OPS)	3300 North 22nd Street, Omaha, NE 68110	Litter-Waste Reduction or Recycling AND Stormwater Pollution or Water Conservation	Community	1	25	4	0	0	0	0	0
6/21/2024	CK summer program (4-6)	2566 St Marys Ave, Omaha, NE 68105	Litter-Waste Reduction or Recycling AND Stormwater Pollution or Water Conservation	Community	2	30	6	0	0	0	0	0
6/24/2024	CK summer program (K-6)	2566 St Marys Ave, Omaha, NE 68105	Litter-Waste Reduction or Recycling AND Stormwater Pollution or Water Conservation	Community	6	61	12	0	0	0	0	0
6/24/2024	School Program (OPS)	3121 U St, Omaha, NE 68107	Litter-Waste Reduction or Recycling AND Stormwater Pollution or Water Conservation	Community	2	70	6	0	0	0	0	0
6/25/2024	Coaching Session	2302 M St, Omaha, NE 68107	Litter-Waste Reduction or Recycling AND Stormwater Pollution or Water Conservation	Community	1	0	1	150	0	0	0	0
6/25/2024	School Program (OPS)	5530 N 66th St, Omaha, NE 68104	Litter-Waste Reduction or Recycling AND Stormwater Pollution or Water Conservation	Community	2	32	4	0	0	0	0	0
6/25/2024	Summer programming at Miller Park	4768 Q St, Omaha, NE 68117	Litter-Waste Reduction or Recycling AND Stormwater Pollution or Water Conservation	Community	1	20	4	0	0	0	0	0

ATTACHMENT D – Education and Outreach Activities

Date	Event Name (if applicable)	Location:	Primary/Key Topic	MS4 Target Audience Category	# of Separate Activities/ Presentations	# of Youth Participants	# of Adult Participants	Student Reach (by KOB trained teachers)	Stormwater -Related Brochure or Info	World O! Water Flier/ Brochure	HHW/ UTS Brochure	Litter Reduction or Recycling Brochure/Info
6/26/2024	CK summer program (K-1)	2566 St Marys Ave, Omaha, NE 68105	Litter-Waste Reduction or Recycling AND Stormwater Pollution or Water Conservation	Community	2	18	3	0	0	0	0	0
6/26/2024	CK summer program (3)	2566 St Marys Ave, Omaha, NE 68105	Litter-Waste Reduction or Recycling AND Stormwater Pollution or Water Conservation	Community	1	9	1	0	0	0	0	0
6/27/2024	School Program (OPS)	3300 North 22nd Street, Omaha, NE 68110	Litter-Waste Reduction or Recycling AND Stormwater Pollution or Water Conservation	Community	1	25	4	0	0	0	0	0
6/27/2024	Ventura Med Staff - Zorinsky Lake	3745 S 168th St, Omaha, NE 68130	Litter-Waste Reduction or Recycling AND Stormwater Pollution or Water Conservation	Community	1	0	20	0	0	0	0	0
6/28/2024	CK summer program (4-6)	2566 St Marys Ave, Omaha, NE 68105	Litter-Waste Reduction or Recycling AND Stormwater Pollution or Water Conservation	Community	2	30	6	0	0	0	0	0
6/28/2024	Mortenson - Maple Village Park	4311 Parkview Dr, Omaha, NE 68134	Litter-Waste Reduction or Recycling AND Stormwater Pollution or Water Conservation	Community	1	0	15	0	0	0	0	0
7/1/2024	CK summer program (K-6)	2566 St Marys Ave, Omaha, NE 68105	Litter-Waste Reduction or Recycling AND Stormwater Pollution or Water Conservation	Community	6	61	12	0	0	0	0	0
7/1/2024	School Program (OPS)	3121 U St, Omaha, NE 68107	Litter-Waste Reduction or Recycling AND Stormwater Pollution or Water Conservation	Community	2	70	6	0	0	0	0	0
7/2/2024	School Program (OPS)	5530 N 66th St, Omaha, NE 68104	Litter-Waste Reduction or Recycling AND Stormwater Pollution or Water Conservation	Community	2	32	4	0	0	0	0	0
7/2/2024	Summer programming at Miller Park	4768 Q St, Omaha, NE 68117	Litter-Waste Reduction or Recycling AND Stormwater Pollution or Water Conservation	Community	1	20	4	0	0	0	0	0
7/3/2024	CK summer program (K-3)	2566 St Marys Ave, Omaha, NE 68105	Litter-Waste Reduction or Recycling AND Stormwater Pollution or Water Conservation	Community	4	36	8	0	0	0	0	0

ATTACHMENT D – Education and Outreach Activities

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7/6/2024	Star Spangled Cleanup	3201 Woolworth Ave, Omaha, NE 68105	Litter-Waste Reduction or Recycling AND Stormwater Pollution or Water Conservation	Community	1	0	20	5	0	0	0	0
7/8/2024	Family Summer Camp at LCCSO	2302 M St, Omaha, NE 68107	Litter-Waste Reduction or Recycling AND Stormwater Pollution or Water Conservation	Community	2	64	32	0	0	0	0	0
7/9/2024	Summer programming at Miller Park	4768 Q St, Omaha, NE 68117	Litter-Waste Reduction or Recycling AND Stormwater Pollution or Water Conservation	Community	1	20	4	0	0	0	0	0
7/10/2024	CK summer program (K-3)	2566 St Marys Ave, Omaha, NE 68105	Litter-Waste Reduction or Recycling AND Stormwater Pollution or Water Conservation	Community	4	36	8	0	0	0	0	0
7/12/2024	CK summer program (4-6)	2566 St Marys Ave, Omaha, NE 68105	Litter-Waste Reduction or Recycling AND Stormwater Pollution or Water Conservation	Community	2	30	6	0	0	0	0	0
7/15/2024	Family Summer Camp at LCCSO	2302 M St, Omaha, NE 68107	Litter-Waste Reduction or Recycling AND Stormwater Pollution or Water Conservation	Community	1	8	12	0	0	0	0	0
7/16/2024	Summer programming at Miller Park	4768 Q St, Omaha, NE 68117	Litter-Waste Reduction or Recycling AND Stormwater Pollution or Water Conservation	Community	1	20	4	0	0	0	0	0
7/16/2024	Summer programming at Miller Park	4768 Q St, Omaha, NE 68117	Litter-Waste Reduction or Recycling AND Stormwater Pollution or Water Conservation	Community	1	20	4	0	0	0	0	0
7/17/2024	CK summer program (K-3)	2566 St Marys Ave, Omaha, NE 68105	Litter-Waste Reduction or Recycling AND Stormwater Pollution or Water Conservation	Community	4	36	8	0	0	0	0	0
7/19/2024	CK summer program (4-6)	2566 St Marys Ave, Omaha, NE 68105	Litter-Waste Reduction or Recycling AND Stormwater Pollution or Water Conservation	Community	2	30	6	0	0	0	0	0
7/20/2024	Werner - Seymour Smith	6802 Harrison St, Omaha, NE 68127	Litter-Waste Reduction or Recycling AND Stormwater Pollution or Water Conservation	Community	1	0	4	0	0	0	0	0

ATTACHMENT D – Education and Outreach Activities

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7/22/2024	Family Summer Camp at LCCSO	2302 M St, Omaha, NE 68107	Litter-Waste Reduction or Recycling AND Stormwater Pollution or Water Conservation	Community	1	8	12	0	0	0	0	0
7/23/2024	Summer programming at Miller Park	4768 Q St, Omaha, NE 68117	Litter-Waste Reduction or Recycling AND Stormwater Pollution or Water Conservation	Community	1	20	4	0	0	0	0	0
7/24/2024	CK summer program (K-3)	2566 St Marys Ave, Omaha, NE 68105	Litter-Waste Reduction or Recycling AND Stormwater Pollution or Water Conservation	Community	4	36	8	0	0	0	0	0
7/26/2024	CK summer program (4-6)	2566 St Marys Ave, Omaha, NE 68105	Litter-Waste Reduction or Recycling AND Stormwater Pollution or Water Conservation	Community	2	30	6	0	0	0	0	0
7/30/2024	Teaching Climate Science using Nebraska Nature	8901 S 154th St, Omaha, NE 68138	Litter-Waste Reduction or Recycling AND Stormwater Pollution or Water Conservation	Community	1	0	14	2130	14	14	14	14
7/30/2024	Summer programming at Miller Park	4768 Q St, Omaha, NE 68117	Litter-Waste Reduction or Recycling AND Stormwater Pollution or Water Conservation	Community	1	20	4	0	0	0	0	0
7/31/2024	Community Partners Booth	801 S 10th St, Omaha, NE 68108	Litter-Waste Reduction or Recycling AND Stormwater Pollution or Water Conservation	Community	1	20	10	0	0	15	0	0
8/1/2024	Kayak Cleanup	Papio Lake 16 Rd S, Omaha, NE 68164	Litter-Waste Reduction or Recycling AND Stormwater Pollution or Water Conservation	Community	1	2	9	0	0	0	0	0
8/10/2024	Girl Scouts Back to School Bash	8601 W Dodge Rd Suite 102, Omaha, NE 68114	Litter-Waste Reduction or Recycling AND Stormwater Pollution or Water Conservation	Community	1	130	50	0	0	50	0	150
8/20/2024	After School Program (OPS)	5618 N 14th Ave, Omaha, NE 68110	Litter-Waste Reduction or Recycling AND Stormwater Pollution or Water Conservation	Community	1	10	1	0	0	0	0	0
8/22/2024	After School Program (OPS)	2906 North 30th Street, Omaha, NE 68111	Litter-Waste Reduction or Recycling AND Stormwater Pollution or Water Conservation	Community	1	10	1	0	0	0	0	0

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8/27/2024	After School Program (OPS)	5618 N 14th Ave, Omaha, NE 68110	Litter-Waste Reduction or Recycling AND Stormwater Pollution or Water Conservation	Community	1	10	1	0	0	0	0	0
8/28/2024	School Program (OPS)	2021 St Marys Ave, Omaha, NE 68102	Litter-Waste Reduction or Recycling AND Stormwater Pollution or Water Conservation	Community	4	90	4	0	0	0	0	0
8/28/2024	School Program (OPS)	2021 St Marys Ave, Omaha, NE 68102	Litter-Waste Reduction or Recycling AND Stormwater Pollution or Water Conservation	Community	4	90	4	0	0	0	0	0
8/29/2024	After School Program (OPS)	2906 North 30th Street, Omaha, NE 68111	Litter-Waste Reduction or Recycling AND Stormwater Pollution or Water Conservation	Community	1	10	1	0	0	0	0	0
9/3/2024	School Program (OPS)	3512 Walnut Street, Omaha, NE 68105	Litter-Waste Reduction or Recycling AND Stormwater Pollution or Water Conservation	Community	4	100	4	0	0	0	0	0
9/3/2024	After School Program (OPS)	5618 N 14th Ave, Omaha, NE 68110	Litter-Waste Reduction or Recycling AND Stormwater Pollution or Water Conservation	Community	1	10	1	0	0	50	0	0
9/4/2024	School Program (OPS)	2021 St Marys Ave, Omaha, NE 68102	Litter-Waste Reduction or Recycling AND Stormwater Pollution or Water Conservation	Community	4	90	4	0	0	0	0	0
9/4/2024	School Program (OPS)	3512 Walnut Street, Omaha, NE 68105	Litter-Waste Reduction or Recycling AND Stormwater Pollution or Water Conservation	Community	4	100	9	0	0	100	0	0
9/4/2024	School Program (OPS)	2021 St Marys Ave, Omaha, NE 68102	Litter-Waste Reduction or Recycling AND Stormwater Pollution or Water Conservation	Community	4	90	4	0	0	100	0	0
9/5/2024	School Program (OPS)	3512 Walnut Street, Omaha, NE 68105	Litter-Waste Reduction or Recycling AND Stormwater Pollution or Water Conservation	Community	4	100	4	0	0	0	0	0
9/5/2024	After School Program (OPS)	2906 North 30th Street, Omaha, NE 68111	Litter-Waste Reduction or Recycling AND Stormwater Pollution or Water Conservation	Community	1	10	1	0	0	50	0	0

ATTACHMENT D – Education and Outreach Activities

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9/7/2024	World O! Water	8901 S 154th St, Omaha, NE 68138	Litter-Waste Reduction or Recycling AND Stormwater Pollution or Water Conservation	Community	1	906	300	0	0	0	0	150
9/10/2024	School Program (OPS)	3512 Walnut Street, Omaha, NE 68105	Litter-Waste Reduction or Recycling AND Stormwater Pollution or Water Conservation	Community	4	100	5	0	0	0	0	0
9/10/2024	School Program (OPS)	3512 Walnut Street, Omaha, NE 68105	Litter-Waste Reduction or Recycling AND Stormwater Pollution or Water Conservation	Community	4	100	6	0	0	0	0	0
9/10/2024	Litter Cleanup Presentation	6802 Harrison St, Omaha, NE 68127	Litter-Waste Reduction or Recycling AND Stormwater Pollution or Water Conservation	Community	1	0	17	0	0	0	0	0
9/10/2024	Day of Caring	3201 Woolworth Ave, Omaha, NE 68105	Litter-Waste Reduction or Recycling AND Stormwater Pollution or Water Conservation	Community	1	0	16	0	0	0	0	0
9/10/2024	After School Program (OPS)	5618 N 14th Ave, Omaha, NE 68110	Litter-Waste Reduction or Recycling AND Stormwater Pollution or Water Conservation	Community	1	10	1	0	0	0	0	0
9/11/2024	School Program (OPS)	2021 St Marys Ave, Omaha, NE 68102	Litter-Waste Reduction or Recycling AND Stormwater Pollution or Water Conservation	Community	4	90	4	0	0	0	0	0
9/11/2024	Litter Cleanup Presentation	One Pacific Place Park, Omaha, NE 68124	Litter-Waste Reduction or Recycling AND Stormwater Pollution or Water Conservation	Community	1	0	14	0	0	0	0	0
9/11/2024	School Program (OPS)	2021 St Marys Ave, Omaha, NE 68102	Litter-Waste Reduction or Recycling AND Stormwater Pollution or Water Conservation	Community	4	90	4	0	0	0	0	0
9/12/2024	After School Program (OPS)	2906 North 30th Street, Omaha, NE 68111	Litter-Waste Reduction or Recycling AND Stormwater Pollution or Water Conservation	Community	1	10	1	0	0	0	0	0
9/17/2024	School Program (OPS)	3512 Walnut Street, Omaha, NE 68105	Litter-Waste Reduction or Recycling AND Stormwater Pollution or Water Conservation	Community	4	100	5	0	0	0	0	0

ATTACHMENT D – Education and Outreach Activities

Date	Event Name (if applicable)	Location:	Primary/Key Topic	MS4 Target Audience Category	# of Separate Activities/ Presentations	# of Youth Participants	# of Adult Participants	Student Reach (by KOB trained teachers)	Stormwater -Related Brochure or Info	World O! Water Flier/ Brochure	HHW/ UTS Brochure	Litter Reduction or Recycling Brochure/Info
9/17/2024	School Program (OPS)	3512 Walnut Street, Omaha, NE 68105	Litter-Waste Reduction or Recycling AND Stormwater Pollution or Water Conservation	Community	4	100	8	0	0	0	0	0
9/17/2024	After School Program (OPS)	5618 N 14th Ave, Omaha, NE 68110	Litter-Waste Reduction or Recycling AND Stormwater Pollution or Water Conservation	Community	1	10	1	0	0	0	0	0
9/18/2024	School Program (OPS)	2021 St Marys Ave, Omaha, NE 68102	Litter-Waste Reduction or Recycling AND Stormwater Pollution or Water Conservation	Community	4	90	4	0	0	0	0	0
9/18/2024	Litter Cleanup Presentation	6802 Harrison St, Omaha, NE 68127	Litter-Waste Reduction or Recycling AND Stormwater Pollution or Water Conservation	Community	1	0	26	0	0	0	0	0
9/18/2024	School Program (OPS)	2021 St Marys Ave, Omaha, NE 68102	Litter-Waste Reduction or Recycling AND Stormwater Pollution or Water Conservation	Community	4	90	4	0	0	0	0	0
9/19/2024	After School Program (OPS)	2906 North 30th Street, Omaha, NE 68111	Litter-Waste Reduction or Recycling AND Stormwater Pollution or Water Conservation	Community	1	10	1	0	0	0	0	0
9/19/2024	UNMC NE MED Volunteer Fair	9875116 Nebraska Medical Center, Omaha, NE 68198	Litter-Waste Reduction or Recycling AND Stormwater Pollution or Water Conservation	Community	1	0	80	0	25	0	0	0
9/24/2024	School Program (OPS)	3512 Walnut Street, Omaha, NE 68105	Litter-Waste Reduction or Recycling AND Stormwater Pollution or Water Conservation	Community	4	100	6	0	0	0	0	0
9/24/2024	After School Program (OPS)	5618 N 14th Ave, Omaha, NE 68110	Litter-Waste Reduction or Recycling AND Stormwater Pollution or Water Conservation	Community	1	10	1	0	0	0	0	0
9/25/2024	School Program (OPS)	2021 St Marys Ave, Omaha, NE 68102	Litter-Waste Reduction or Recycling AND Stormwater Pollution or Water Conservation	Community	4	90	5	0	0	0	0	0

ATTACHMENT D – Education and Outreach Activities

Date	Event Name (if applicable)	Location:	Primary/Key Topic	MS4 Target Audience Category	# of Separate Activities/ Presentations	# of Youth Participants	# of Adult Participants	Student Reach (by KOB trained teachers)	Stormwater -Related Brochure or Info	World O! Water Flier/ Brochure	HHW/ UTS Brochure	Litter Reduction or Recycling Brochure/Info
9/25/2024	Litter Cleanup Presentation	4405 Carter Lk Shr Dr, Omaha, NE 68110	Litter-Waste Reduction or Recycling AND Stormwater Pollution or Water Conservation	Community	1	0	66	0	0	0	0	0
9/25/2024	School Program (OPS)	2021 St Marys Ave, Omaha, NE 68102	Litter-Waste Reduction or Recycling AND Stormwater Pollution or Water Conservation	Community	4	90	5	0	0	0	0	0
9/26/2024	After School Program (OPS)	2906 North 30th Street, Omaha, NE 68111	Litter-Waste Reduction or Recycling AND Stormwater Pollution or Water Conservation	Community	1	10	1	0	0	0	0	0
10/1/2024	School Program (OPS)	3512 Walnut Street, Omaha, NE 68105	Litter-Waste Reduction or Recycling AND Stormwater Pollution or Water Conservation	Community	4	100	6	0	0	0	0	0
10/1/2024	School Program (OPS)	3512 Walnut Street, Omaha, NE 68105	Litter-Waste Reduction or Recycling AND Stormwater Pollution or Water Conservation	Community	4	100	6	0	0	0	0	0
10/1/2024	After School Program (OPS)	5618 N 14th Ave, Omaha, NE 68110	Litter-Waste Reduction or Recycling AND Stormwater Pollution or Water Conservation	Community	1	12	1	0	0	0	0	0
10/2/2024	School Program (OPS)	2021 St Marys Ave, Omaha, NE 68102	Litter-Waste Reduction or Recycling AND Stormwater Pollution or Water Conservation	Community	4	90	5	0	0	0	0	0
10/2/2024	School Program (OPS)	2021 St Marys Ave, Omaha, NE 68102	Litter-Waste Reduction or Recycling AND Stormwater Pollution or Water Conservation	Community	4	90	5	0	0	0	0	0
10/3/2024	After School Program (OPS)	2906 North 30th Street, Omaha, NE 68111	Litter-Waste Reduction or Recycling AND Stormwater Pollution or Water Conservation	Community	1	10	1	0	0	0	0	0
10/4/2024	Teacher's Night at Durham	801 S 10th St, Omaha, NE 68108	Litter-Waste Reduction or Recycling AND Stormwater Pollution or Water Conservation	Community	1	0	277	0	0	0	0	125
10/6/2024	Pacific Life Litter Cleanup	4405 Carter Lk Shr Dr, Omaha, NE 68110	Litter-Waste Reduction or Recycling AND Stormwater Pollution or Water Conservation	Community	1	2	11	0	0	0	0	0

ATTACHMENT D – Education and Outreach Activities

Date	Event Name (if applicable)	Location:	Primary/Key Topic	MS4 Target Audience Category	# of Separate Activities/ Presentations	# of Youth Participants	# of Adult Participants	Student Reach (by KOB trained teachers)	Stormwater -Related Brochure or Info	World O! Water Flier/ Brochure	HHW/ UTS Brochure	Litter Reduction or Recycling Brochure/Info
10/8/2024	School Program (OPS)	3512 Walnut Street, Omaha, NE 68105	Litter-Waste Reduction or Recycling AND Stormwater Pollution or Water Conservation	Community	4	100	5	0	0	0	0	0
10/8/2024	After School Program (OPS)	5618 N 14th Ave, Omaha, NE 68110	Litter-Waste Reduction or Recycling AND Stormwater Pollution or Water Conservation	Community	1	10	1	0	0	0	0	0
10/9/2024	School Program (OPS)	2021 St Marys Ave, Omaha, NE 68102	Litter-Waste Reduction or Recycling AND Stormwater Pollution or Water Conservation	Community	4	90	5	0	0	0	0	0
10/9/2024	School Program (OPS)	3512 Walnut Street, Omaha, NE 68105	Litter-Waste Reduction or Recycling AND Stormwater Pollution or Water Conservation	Community	4	100	6	0	0	0	0	0
10/9/2024	School Program (OPS)	2021 St Marys Ave, Omaha, NE 68102	Litter-Waste Reduction or Recycling AND Stormwater Pollution or Water Conservation	Community	4	90	5	0	0	0	0	0
10/10/2024	Early Childhood STEM Workshop - UNO	6005 S University Dr Rd N, Omaha, NE 68182	Litter-Waste Reduction or Recycling AND Stormwater Pollution or Water Conservation	Community	2	0	46	0	46	0	0	46
10/10/2024	After School Program (OPS)	2906 North 30th Street, Omaha, NE 68111	Litter-Waste Reduction or Recycling AND Stormwater Pollution or Water Conservation	Community	1	10	3	0	0	0	0	0
10/10/2024	Lauritzen Gardens Goldenrod Festival	100 Bancroft St, Omaha, NE 68108	Litter-Waste Reduction or Recycling AND Stormwater Pollution or Water Conservation	Community	1	300	37	0	0	0	0	0
10/15/2024	After School Program (OPS)	5618 N 14th Ave, Omaha, NE 68110	Litter-Waste Reduction or Recycling AND Stormwater Pollution or Water Conservation	Community	1	10	1	0	0	0	0	0
10/16/2024	School Program (OPS)	2021 St Marys Ave, Omaha, NE 68102	Litter-Waste Reduction or Recycling AND Stormwater Pollution or Water Conservation	Community	4	90	5	0	0	0	0	0
10/16/2024	School Program (OPS)	3512 Walnut Street, Omaha, NE 68105	Litter-Waste Reduction or Recycling AND Stormwater Pollution or Water Conservation	Community	4	100	6	0	0	0	0	100

ATTACHMENT D – Education and Outreach Activities

Date	Event Name (if applicable)	Location:	Primary/Key Topic	MS4 Target Audience Category	# of Separate Activities/ Presentations	# of Youth Participants	# of Adult Participants	Student Reach (by KOB trained teachers)	Stormwater -Related Brochure or Info	World O! Water Flier/ Brochure	HHW/ UTS Brochure	Litter Reduction or Recycling Brochure/Info
10/16/2024	School Program (OPS)	2021 St Marys Ave, Omaha, NE 68102	Litter-Waste Reduction or Recycling AND Stormwater Pollution or Water Conservation	Community	4	90	5	0	0	0	0	0
10/17/2024	After School Program (OPS)	2906 North 30th Street, Omaha, NE 68111	Litter-Waste Reduction or Recycling AND Stormwater Pollution or Water Conservation	Community	1	10	3	0	0	0	0	0
10/22/2024	School Program (OPS)	3512 Walnut Street, Omaha, NE 68105	Litter-Waste Reduction or Recycling AND Stormwater Pollution or Water Conservation	Community	2	100	10	0	0	0	0	0
10/22/2024	After School Program (OPS)	5618 N 14th Ave, Omaha, NE 68110	Litter-Waste Reduction or Recycling AND Stormwater Pollution or Water Conservation	Community	1	10	1	0	0	0	0	0
10/23/2024	School Program (OPS)	5304 Hamilton Street, Omaha, NE 68132	Litter-Waste Reduction or Recycling AND Stormwater Pollution or Water Conservation	Community	1	31	3	0	34	0	0	34
10/23/2024	School Program (OPS)	5304 Hamilton Street, Omaha, NE 68132	Litter-Waste Reduction or Recycling AND Stormwater Pollution or Water Conservation	Community	1	37	3	0	0	0	0	40
10/23/2024	School Program (OPS)	5304 Hamilton Street, Omaha, NE 68132	Litter-Waste Reduction or Recycling AND Stormwater Pollution or Water Conservation	Community	2	40	4	0	0	0	0	44
10/29/2024	After School Program (OPS)	5618 N 14th Ave, Omaha, NE 68110	Litter-Waste Reduction or Recycling AND Stormwater Pollution or Water Conservation	Community	1	10	1	0	0	0	0	0
10/30/2024	Coaching Session	105 North 31st Avenue, # 103, Omaha, NE 68131	Litter-Waste Reduction or Recycling AND Stormwater Pollution or Water Conservation	Community	1	0	7	250	0	0	0	0
10/30/2024	Educator Workshop (CFY)	105 North 31st Avenue, # 103, Omaha, NE 68131	Litter-Waste Reduction or Recycling AND Stormwater Pollution or Water Conservation	Community	1	0	30	1500	30	0	30	30
10/30/2024	School Program (OPS)	2021 St Marys Ave, Omaha, NE 68102	Litter-Waste Reduction or Recycling AND Stormwater Pollution or Water Conservation	Community	4	90	5	0	0	0	0	0

ATTACHMENT D – Education and Outreach Activities

Date	Event Name (if applicable)	Location:	Primary/Key Topic	MS4 Target Audience Category	# of Separate Activities/ Presentations	# of Youth Participants	# of Adult Participants	Student Reach (by KOB trained teachers)	Stormwater -Related Brochure or Info	World O! Water Flier/ Brochure	HHW/ UTS Brochure	Litter Reduction or Recycling Brochure/Info
10/31/2024	After School Program (OPS)	2906 North 30th Street, Omaha, NE 68111	Litter-Waste Reduction or Recycling AND Stormwater Pollution or Water Conservation	Community	1	10	3	0	0	0	0	0
11/5/2024	Educator Workshop (CFY)	105 North 31st Avenue, # 103, Omaha, NE 68131	Litter-Waste Reduction or Recycling AND Stormwater Pollution or Water Conservation	Community	1	0	45	1125	0	0	0	0
11/6/2024	School Program (OPS)	2021 St Marys Ave, Omaha, NE 68102	Litter-Waste Reduction or Recycling AND Stormwater Pollution or Water Conservation	Community	4	90	5	0	0	0	0	0
11/7/2024	After School Program (OPS)	2906 North 30th Street, Omaha, NE 68111	Litter-Waste Reduction or Recycling AND Stormwater Pollution or Water Conservation	Community	1	10	3	0	0	0	0	0
11/9/2024	Educator Workshop - ZAP	3701 S 10th St, Omaha, NE 68107	Litter-Waste Reduction or Recycling AND Stormwater Pollution or Water Conservation	Community	1	0	15	864	20	0	0	20
11/12/2024	Educator Workshop	7000 Mercy Road, Omaha, NE 68106	Litter-Waste Reduction or Recycling AND Stormwater Pollution or Water Conservation	Community	1	0	12	300	13	0	0	0
11/12/2024	After School Program (OPS)	5618 N 14th Ave, Omaha, NE 68110	Litter-Waste Reduction or Recycling AND Stormwater Pollution or Water Conservation	Community	1	10	1	0	0	0	0	0
11/14/2024	After School Program (OPS)	2906 North 30th Street, Omaha, NE 68111	Litter-Waste Reduction or Recycling AND Stormwater Pollution or Water Conservation	Community	1	10	3	0	0	0	0	0
11/18/2024	CK Teen Afterschool Program	2566 St Marys Ave, Omaha, NE 68105	Litter-Waste Reduction or Recycling AND Stormwater Pollution or Water Conservation	Community	1	12	2	0	0	0	0	0
11/19/2024	CK Teen Afterschool Program	2566 St Marys Ave, Omaha, NE 68105	Litter-Waste Reduction or Recycling AND Stormwater Pollution or Water Conservation	Community	1	12	2	0	0	0	0	0
11/19/2024	Speaker Series	2500 California Plaza, Omaha, NE 68178	Litter-Waste Reduction or Recycling AND Stormwater Pollution or Water Conservation	Community	1	0	23	0	40	0	40	40

ATTACHMENT D – Education and Outreach Activities

Date	Event Name (if applicable)	Location:	Primary/Key Topic	MS4 Target Audience Category	# of Separate Activities/ Presentations	# of Youth Participants	# of Adult Participants	Student Reach (by KOB trained teachers)	Stormwater -Related Brochure or Info	World O! Water Flier/ Brochure	HHW/ UTS Brochure	Litter Reduction or Recycling Brochure/Info
11/19/2024	After School Program (OPS)	5618 N 14th Ave, Omaha, NE 68110	Litter-Waste Reduction or Recycling AND Stormwater Pollution or Water Conservation	Community	1	10	1	0	0	0	0	0
11/21/2024	After School Program (OPS)	2906 North 30th Street, Omaha, NE 68111	Litter-Waste Reduction or Recycling AND Stormwater Pollution or Water Conservation	Community	1	10	3	0	0	0	0	0
11/21/2024	STEAM Night	2906 North 30th Street, Omaha, NE 68111	Litter-Waste Reduction or Recycling AND Stormwater Pollution or Water Conservation	Community	1	90	25	0	0	0	0	25
12/2/2024	CK Teen Afterschool Program	2566 St Marys Ave, Omaha, NE 68105	Litter-Waste Reduction or Recycling AND Stormwater Pollution or Water Conservation	Community	1	12	2	0	0	0	0	15
12/3/2024	After School Program (OPS)	5618 N 14th Ave, Omaha, NE 68110	Litter-Waste Reduction or Recycling AND Stormwater Pollution or Water Conservation	Community	1	13	1	0	0	0	0	0
12/5/2024	After School Program (OPS)	2906 North 30th Street, Omaha, NE 68111	Litter-Waste Reduction or Recycling AND Stormwater Pollution or Water Conservation	Community	1	10	3	0	0	0	0	0
12/10/2024	After School Program (OPS)	5618 N 14th Ave, Omaha, NE 68110	Litter-Waste Reduction or Recycling AND Stormwater Pollution or Water Conservation	Community	1	10	1	0	0	0	0	0
12/12/2024	After School Program (OPS)	2906 North 30th Street, Omaha, NE 68111	Litter-Waste Reduction or Recycling AND Stormwater Pollution or Water Conservation	Community	1	10	1	0	0	0	0	0
12/13/2024	North Omaha Community Advisory Board - Teas & Trees	2514 N 24th St, Omaha, NE 68110	Litter-Waste Reduction or Recycling AND Stormwater Pollution or Water Conservation	Community	1	0	8	0	0	0	0	5
12/16/2024	CK Teen Afterschool Program	2566 St Marys Ave, Omaha, NE 68105	Litter-Waste Reduction or Recycling AND Stormwater Pollution or Water Conservation	Community	1	10	2	0	0	0	0	0

Target Markets

- Construction – Developers, contractors, owners
- Commercial – Stores, commercial property managers
- Community & Residential – Homeowners, residential property managers, non-profit groups, homeowner associations, students, teachers, administrators, etc...

ATTACHMENT D – Education and Outreach Activities

Stormwater Facebook Page	
2024 Month	Total Reach
January	290
February	389
March	261
April	912
May	34,957
June	873
July	22,543
August	1,641
September	921
October	1,024
November	371
December	221
Totals	64,403

Omaha Stormwater Website			
2024 Month	Users	Page Views	Sessions
January	404	1,157	701
February	508	1,277	906
March	538	1,603	982
April	815	2,089	1,328
May	4,026	7,914	5,006
June	602	1,522	1,034
July	1,932	4,146	2,583
August	654	1,818	1,232
September	521	1,373	912
October	585	1,580	1,047
November	648	1,716	1,167
December	468	1,158	806
Totals	11,701	27,353	17,705

ATTACHMENT D – Education and Outreach Activities

Omaha Plants Website			
2024 Month	Users	Page Views	Sessions
January	70	207	89
February	56	143	71
March	110	338	132
April	100	306	117
May	129	327	146
June	63	172	75
July	79	220	91
August	54	145	67
September	73	195	84
October	63	124	72
November	39	72	42
December	33	93	42
Totals	869	2,342	1,027

World O! Water Website			
2024 Month	Users	Page Views	Sessions
January	124	2321	129
February	59	76	59
March	80	160	95
April	164	2679	173
May	135	2459	147
June	82	197	102
July	152	415	199
August	581	1287	744
September	920	9913	1018
October	180	3068	189
November	80	91	79
December	59	109	63
Totals	2,616	22,775	2,997

ATTACHMENT E

Attachment E - Education and Outreach Materials

Official Name to Use	Title on Piece	Res	Com	Con	Ind	Developed by
Landscape Brochure	<i>Keep It Clean On Your Golf Course or Landscape Projects!</i>	X	X			OSW
Stormwater & Dust Control Brochure	<i>Stormwater & Dust Control</i>	X	X	X		OSW
Water Pollution Brochure	<i>Water Pollution Comes In Many Forms</i>	X	X	X		OSW
Rain Barrel Brochure	<i>Building A Rain Barrel</i>	X	X			OSW
Storm Drain Awareness Brochure	<i>Keeping Pollution Out Of Our Storm Drains</i>	X	X			OSW
Concrete Brochure (English & Spanish)	<i>Best Management Practices for Concrete Masonry and Ready Mix Professionals</i>				X	OSW
Auto Maintenance Brochure	<i>Auto Maintenance at Home</i>	X				OSW
Fireworks Brochure	<i>Celebrate Safely with Fireworks</i>	X				OSW
Pool and Spa Brochure	<i>Swimming Pool and Spa Discharge</i>	X	X			OSW
Erosion Control Brochure	<i>Erosion Control at Home</i>	X	X			OSW
Pressure washing Brochure	<i>Take Some Pressure Off Our Environment</i>				X	OSW
Metal Fabrication Brochure	<i>Shape Your Plans to Control Wastewater</i>				X	OSW
Proper Paint Disposal Brochure	<i>Know Your Role In Protecting The Environment</i>	X	X			OSW
Restaurant Brochure	<i>Keep It Clean At Your Restaurant!</i>		X			OSW
Outdoor Event Brochure	<i>Keep It Clean At Your Outdoor Event!</i>		X			OSW
LUPs Brochure	<i>Linear Underground Projects & Stormwater Best Management Practices</i>			X	X	OSW
10 Important Things Flyer	<i>10 Important Things To Remember On The Job Site</i>		X	X		OSW
Pet Waste Flyer	<i>Some Things Are Better Not Left Behind!</i>	X				OSW
Rain Garden Fact Sheet	<i>Rain Gardens</i>	X				OSW
Bioretention Garden Fact Sheet	<i>Bioretention Systems</i>		X			OSW
Bioswale Fact Sheet	<i>Bioswales and Filter Strips</i>		X			OSW
Green Roof Fact Sheet	<i>Green Roofs</i>	X				OSW
Downspout Disconnection Fact Sheet	<i>Downspout Disconnections</i>	X				OSW

Attachment E - Education and Outreach Materials

Official Name to Use	Title on Piece	Res	Com	Con	Ind	Developed by
Permeable Pavement Fact Sheet	<i>Permeable Pavement</i>		X	X		OSW
Rain Harvesting Fact Sheet	<i>Rain Harvesting</i>	X				OSW
Soil Conditioning Fact Sheet	<i>Soil Conditioning</i>					OSW
Storm Drain Fact Sheet	<i>Storm Drain</i>					
Bioretention Manual	<i>Bioretention Gardens</i>		X	X		OSW
Sustainable Landscapes Manual	<i>Sustainable Landscapes</i>		X	X		OSW
OmahaPlants.com Postcard	<i>Omahaplants.org</i>	X	X	X		OSW
Grass Clipping Door Hanger	<i>Properly Dispose of Grass Clippings and Yardwaste</i>	X	X			OSW
Rain Barrel Door Hanger	<i>Omaha's Rain Barrel Program</i>	X				OSW
OSW Frisbees		X				OSW
Pet Waste Bag Dispensers		X				OSW
WOW! Activity Books	<i>WOW! Activity Books</i>	X				OSW
WOW! Crayon Boxes	<i>WOW! Crayon Boxes</i>	X				OSW
City of Omaha Environmental Field Guide	<i>City of Omaha Environmental Field Guide</i>		X	X		CSO
Automotive UTS		X		X		SW/Recycling
Guide to HHW		X				SW/Recycling
Housing Dangerous Products		X				SW/Recycling
How to Discard Your Unused Medications		X				SW/Recycling
OmaGro		X	X	X		SW/Recycling
Used Motor Oil, Tires, etc.		X				SW/Recycling
Pollution Sources Around Your House		X				SW/Recycling
Prepare Yourself for UTS		X				SW/Recycling
Recycling Paint UTS		X				SW/Recycling
Illegal Dumping		X				SW/Recycling
Get the Point (Medical HHW)		X				SW/Recycling
UTS Drop-off Locations		X				SW/Recycling
Proper Paint Disposal		X				SW/Recycling
Clean Water Team Certificate	<i>Clean Water Team Certificate</i>	X				OSW
Little Steps. Big Impact. Brochure		X				OAQ
Little Steps. Big Impact. Index Card		X				OAQ
Sediment & Erosion Control (SEC) Field Guide				X		OSW

Attachment E - Education and Outreach Materials

Official Name to Use	Title on Piece	Res	Com	Con	Ind	Developed by
World O! Water patches		X				OSW
Inlet Marking Door Hanger	<i>Only Rain Down the Storm Drain</i>	X				KOB
Sector A - Timber Products	<i>Sector A - Timber Products</i>				X	OSW
Sector AA - Fabricated Metal Products	<i>Sector AA - Fabricated Metal Products</i>				X	OSW
Sector AB - Industrial Machinery and Auto Repair	<i>Sector AB - Industrial Machinery and Auto Repair</i>				X	OSW
Sector AC - Electrical Photographic and Optical Goods	<i>Sector AC - Electrical Photographic and Optical Goods</i>				X	OSW
Sector B - Paper and Allied Products	<i>Sector B - Paper and Allied Products</i>				X	OSW
Sector C - Chemical and Allied Products	<i>Sector C - Chemical and Allied Products</i>				X	OSW
Sector D - Asphalt Paving and Roofing	<i>Sector D - Asphalt Paving and Roofing</i>				X	OSW
Sector E - Glass, Clay, Cement, and Gypsum	<i>Sector E - Glass, Clay, Cement, and Gypsum</i>				X	OSW
Sector F - Primary Metals	<i>Sector F - Primary Metals</i>				X	OSW
Sector J - Mineral Mining and Dressing	<i>Sector J - Mineral Mining and Dressing</i>				X	OSW
Sector K - Hazardous Waste Treatment, Storage, and Disposal Facilities	<i>Sector K - Hazardous Waste Treatment, Storage, and Disposal Facilities</i>				X	OSW
Sector M - Automotive Salvage Yards	<i>Sector M - Automotive Salvage Yards</i>				X	OSW
Sector N - Scrap Recycling	<i>Sector N - Scrap Recycling</i>				X	OSW
Sector O - Steam Electric Generating Facilities	<i>Sector O - Steam Electric Generating Facilities</i>				X	OSW
Sector P - Land Transportation and Warehouse	<i>Sector P - Land Transportation and Warehouse</i>				X	OSW
Sector R - Ship and Boat Building	<i>Sector R - Ship and Boat Building</i>				X	OSW
Sector S - Air Transportation Facilities	<i>Sector S - Air Transportation Facilities</i>				X	OSW
Sector U - Food and Kindred Products	<i>Sector U - Food and Kindred Products</i>				X	OSW
Sector W - Furniture and Fixtures	<i>Sector W - Furniture and Fixtures</i>				X	OSW
Sector X - Printing and Publishing	<i>Sector X - Printing and Publishing</i>				X	OSW

Attachment E - Education and Outreach Materials

Official Name to Use	Title on Piece	Res	Com	Con	Ind	Developed by
Sector Y - Rubber, Misc. Plastics Industries	<i>Sector Y - Rubber, Misc. Plastics Industries</i>				X	OSW
Sector Z - Leather Tanning and Finishing	<i>Sector Z - Leather Tanning and Finishing</i>				X	OSW
Creighton Prep Final 11-9-2017	<i>Creighton Prep Project Fact Sheet</i>	X	X			OSW
UNO Final 4-24-18	<i>UNO Project Fact Sheet</i>	X	X			OSW
Rockbrook_Prairie Lane Park Final 4-18-18	<i>Rockbrook_Prairie Lane Park Project Fact Sheet</i>	X	X			OSW
Dundee Final 11-7-17	<i>Dundee Project Fact Sheet</i>	X	X			OSW
Saddlebrook Final 4-24-18	<i>Saddlebrook Project Fact Sheet</i>	X	X			OSW
Florence Streetscape Final 4-18-18	<i>Florence Streetscape Project Fact Sheet</i>	X	X			OSW
UTS Final 4-18-18	<i>UTS Project Fact Sheet</i>	X	X			OSW
Orchard Park Final 10-27-2017	<i>Orchard Park Project Fact Sheet</i>	X	X			OSW
58th and Maple St Final 10-27-2017	<i>58th and Maple St Project Fact Sheet</i>	X	X			OSW
50th & Pine Final 11-9-2017	<i>50th & Pine Project Fact Sheet</i>	X	X			OSW
Saddle Hills Final 10-27-2017	<i>Saddle Hills Project Fact Sheet</i>	X				OSW
Urban Waters Fact sheet Nebraska	<i>Urban Waters Fact Project Fact Sheet</i>	X				OSW
Country Club Final 10-27-2017	<i>Country Club Project Fact Sheet</i>	X	X			OSW
Elmwood Park Diversion Project Sheet FINAL11-28-2017	<i>Elmwood Park Diversion Project Fact Sheet</i>	X	X			OSW
Hillsdale Swale Final 4-24-18	<i>Hillsdale Swale Project Fact Sheet</i>		X			OSW
Adams Park Final 4-24-18	<i>Adams Park Project Fact Sheet</i>		X			OSW
Douglas Streetscape Final 4-18-18	<i>Douglas Streetscape Project Fact Sheet</i>		X			OSW
SOIA Final 4-18-18	<i>SOIA Project Fact Sheet</i>	X				OSW
SE Precinct Final 4-24-18	<i>SE Precinct Project Fact Sheet</i>		X			OSW
Zorinsky FINAL 11-30-17	<i>Zorinsky Project Fact Sheet</i>	X	X			OSW
Spring Lake Project Sheet FINAL 11-9-17	<i>Spring Lake Project Sheet Project Fact Sheet</i>		X			OSW
Fontenelle Park Final 11-7-17	<i>Fontenelle Park Project Fact Sheet</i>	X				OSW

Attachment E - Education and Outreach Materials

Official Name to Use	Title on Piece	Res	Com	Con	Ind	Developed by
24th St Bioretention Final 10-27-2017	<i>24th St Bioretention Project Fact Sheet</i>	X				OSW
VIL Final 10-27-2017	<i>VIL Project Fact Sheet</i>		X			OSW
OPS GI BuyIn Guide Final	<i>Omaha Public Schools Green Infrastructure Buy-In Guide</i>	X				OSW
GI Education Package final	<i>Green Infrastructure Education Package</i>	X				OSW
Middle School Standards 12-18-17	<i>Middle School Science and Mathematics Standards for GI</i>	X				OSW
High School Standards 12-18-17	<i>High School Science and Mathematics Standards for GI</i>	X				OSW
Elementary School Standards 12-18-17	<i>Elementary School Science and Mathematics Standards for GI</i>	X				OSW
GI Industry Fact Sheet 12-12-17	<i>Green Infrastructure Industry Fact Sheet</i>	X				OSW
High School Lesson Plans	<i>High School Example Lesson Plans</i>	X				OSW
Elementary School Lesson Plans	<i>Elementary School Example Lesson Plans</i>	X				OSW
Middle School Lesson Plans	<i>Middle School Example Lesson Plans</i>	X				OSW

Res – Residential

Com – Commercial

Con – Construction

Ind - Industrial

OSW - Omaha Stormwater Program

OAQ - Omaha Air Quality Program

SW/Recycling - Omaha Solid Waste & Recycling Programs

CSO - Omaha CSO Program

KOB - Keep Omaha Beautiful\

UNL – University of Nebraska - Lincoln

ATTACHMENT F

Site Weather Observations

Data

Daily weather history and observations were gathered from the National Weather Service (NWS) Eppley Airfield (Station ID: USW00014942) weather station. Rain data from the Papio Missouri Natural Resource District City Maintenance Shop (411701095570601), Big Papillion Creek at Q Street (06610770), and Little Papillion Creek near Irvington, Nebraska (06610750) rain gauges was used to supplement data gaps from on-site rain gauges.

Observations

Average high temperatures in 2024 were higher than average during the monitoring period except for January, July, and August. The Eppley Weather Station data recorded a total precipitation in 2024 of 32.95 inches, a bit more than the National Weather Service (NWS) Omaha/Valley Average Rainfall of 31.86 inches annually (Table 1). It is also higher than 2021 when 31.31 inches fell, a difference of 1.64 inches. Cumulative precipitation was less than normal for half of the monitoring period.

Month	NOAA 2024 Precipitation (in)	NOAA Normal Precipitation (in)	Depart from Normal (in)	2024 Average Low (°F)	2024 Average High (°F)	Omaha Normal Low (°F)	Omaha Normal High (°F)
January	0.88	0.75	0.13	13.6	28.1	15.2	33.6
February	0.1	0.95	-0.85	25.8	52.7	19.3	38.6
March	2.14	1.79	0.35	29.6	55.7	30.0	52.1
April	2.25	3.17	0.92	42.1	67.5	41.1	64.1
May	11.13	4.66	6.47	52.3	76.1	52.7	74.6
June	3.34	4.44	-1.1	63.5	86.2	63.4	84.4
July	4.61	3.55	1.06	66.6	86.5	68.0	88.1
August	3.00	4.60	-1.6	65.1	85.4	65.6	85.8
September	0.09	2.96	-2.87	56.9	84.1	56.1	79.1
October	0.98	2.32	-1.34	45.5	74.2	43.2	65.5
November	3.63	1.45	2.18	34.1	51.6	30.2	50.3
December	0.80	1.22	-0.42	23.0	40.8	19.8	37.7
TOTAL	32.95	31.86	2.93	43.2	65.7	42.1	62.8

Table 1: Summary of NWS Omaha Weather Station 2024 and historical average precipitation and temperatures

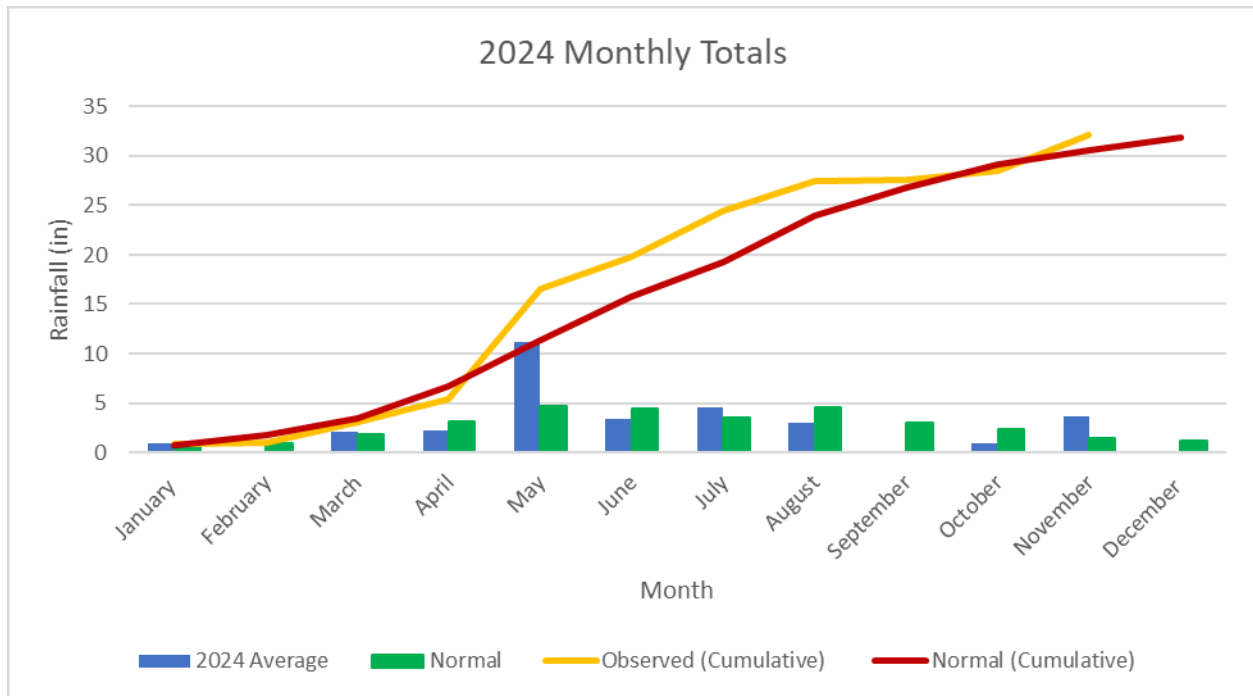


Figure 1: 2024 Comparison of Observed and Normal Rainfall

According to the NWS Eppley Rain Gauge, 61 measurable rain events during a calendar day timeframe, from 0.01 inches to 2.34 inches, occurred between May 2024 and December 2024. During this monitoring period, 15 rain events exceeded 0.5 inches, and 8 of these precipitation events exceeded 1 inch in accumulation. A summary of the 0.5-inch and 1-inch events are included in Table 2.

Date	Rainfall inches
14-March	0.65
24-March	0.78
26-April	0.96
2-May	0.56
4-May	1.04
6-May	0.58
12-May	0.98
15-May	1.24
20-May	1.98
21-May	2.65
24-May	0.88
12-June	0.70
15-June	0.58
18-June	0.50
25-June	0.61
1-July	0.67
2-July	2.08
19-July	0.69
31-July	0.76
12-August	1.09
14-August	1.64
30-October	0.80
4-November	0.52
5-November	0.54
13-November	0.93
18-November	1.10
30-December	0.71

Table 2: Summary of 2024 rain events of 0.5 in or greater

Rain Events for BMP Assessment

Two rain events were evaluated for the Saddlebrook monitoring site. The two events included a large intense storm and a smaller gentler storm. The other 4 monitoring sites are located in northeast, southeast and central locations of the city and utilized rain data from different storms in 2024. On-site rain gauges or the nearest rain gauge was utilized for each site. The rain gauge at Big Papillion Creek at Fort Street is presented below and is used to describe why these events were selected for BMP assessment.

The first event (Event 1) was a 0.72-inch event that occurred the evening of June 25, 2024 until the morning of June 26, 2024 (Figure 2). The event started off gentle, and then tapered off; a larger second round of

rain occurred late evening of June 25. A final gentle round of rain occurred early morning of June 26 until it quickly tapered off. The average initial intensity was 0.04 in/hr. Precipitation picked up from 11:20 until 11:45 pm on June 25 with an intensity of approximately 0.64 in/hr. The final round of precipitation happened early morning on June 26 with an intensity of 0.04 in/hr before tapering off.

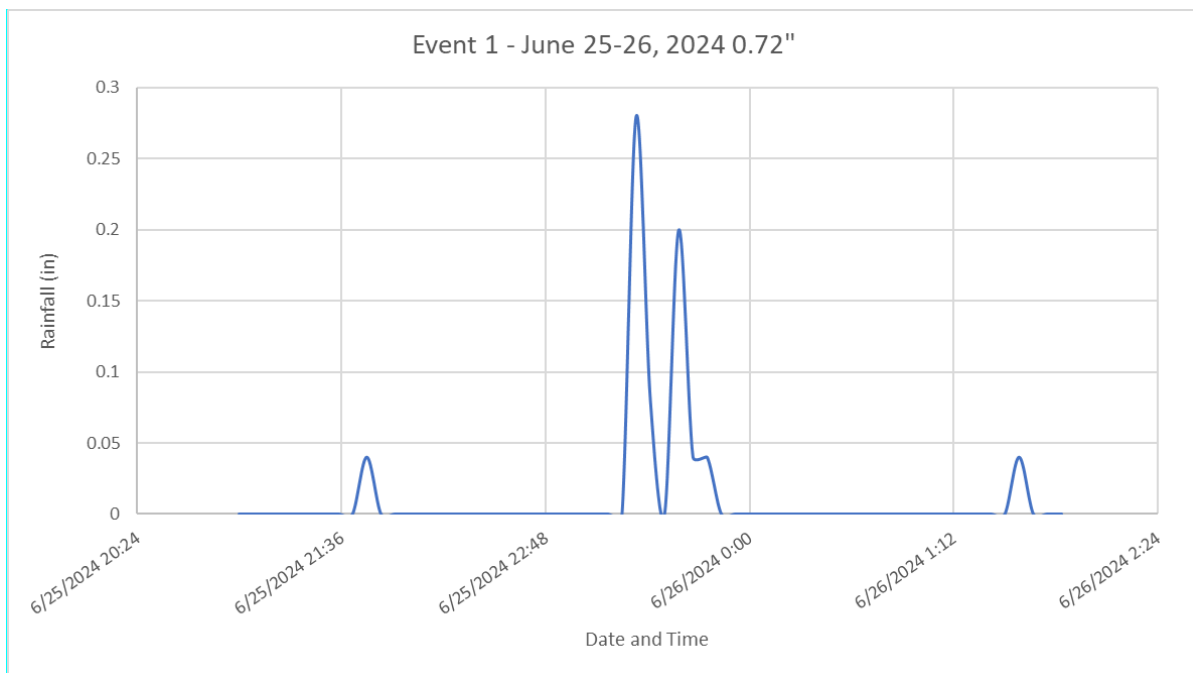


Figure 2: Event 1 Hydrograph

The second event (Event 2) was a 1.96-inch event that occurred July 1-2, 2024. The event started gentle in the evening of July 1 and remained relatively constant in rainfall amount until a spike in rainfall from 1am to 2am on July 2. After 2am, the event died down to a constant rainfall amount before tapering off around 4am on July 2. The event had the greatest intensity of 0.84 in/hr at 1:50 am on July 2. Event 2 was a heavier storm that took about 5 hours to complete.

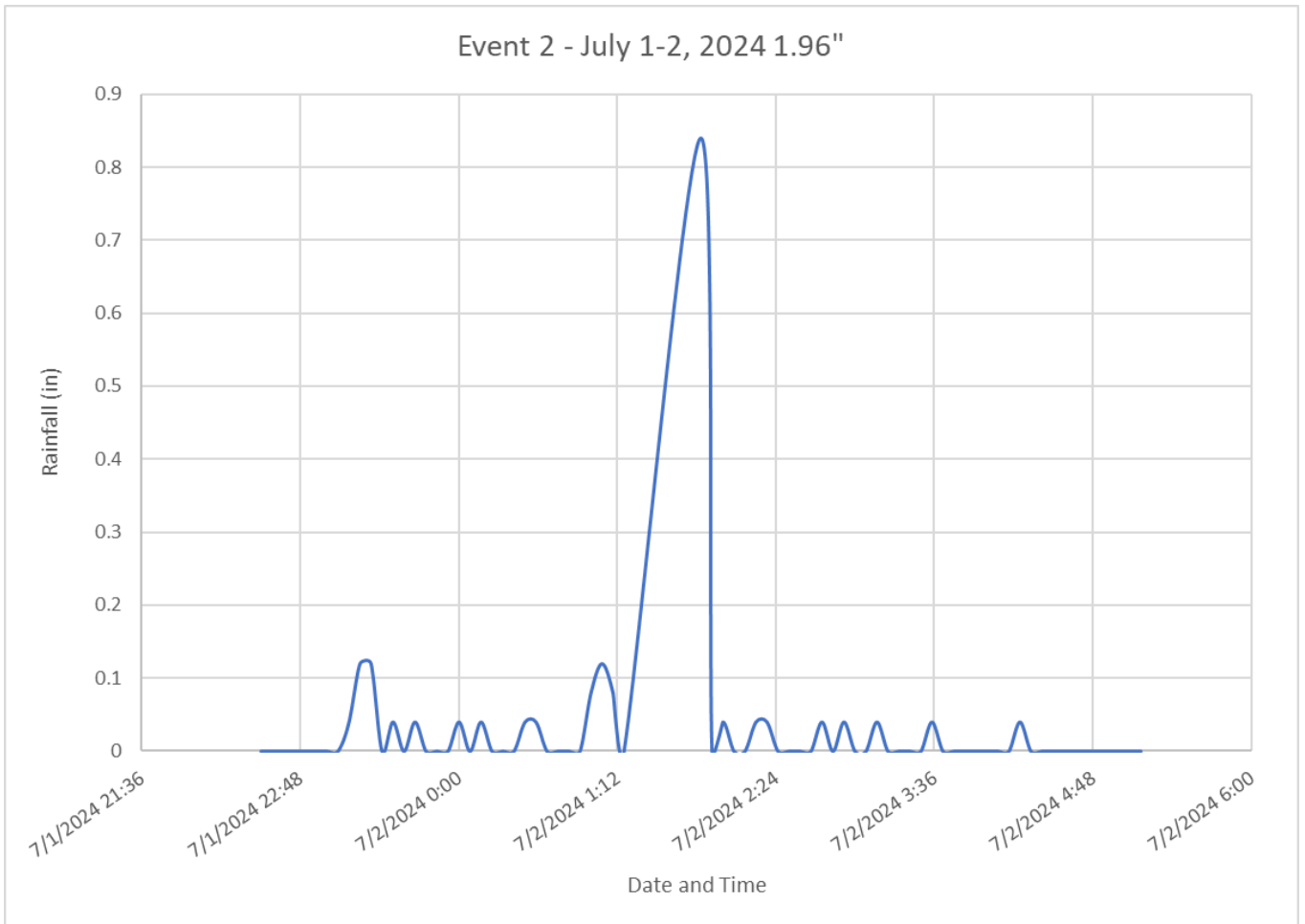


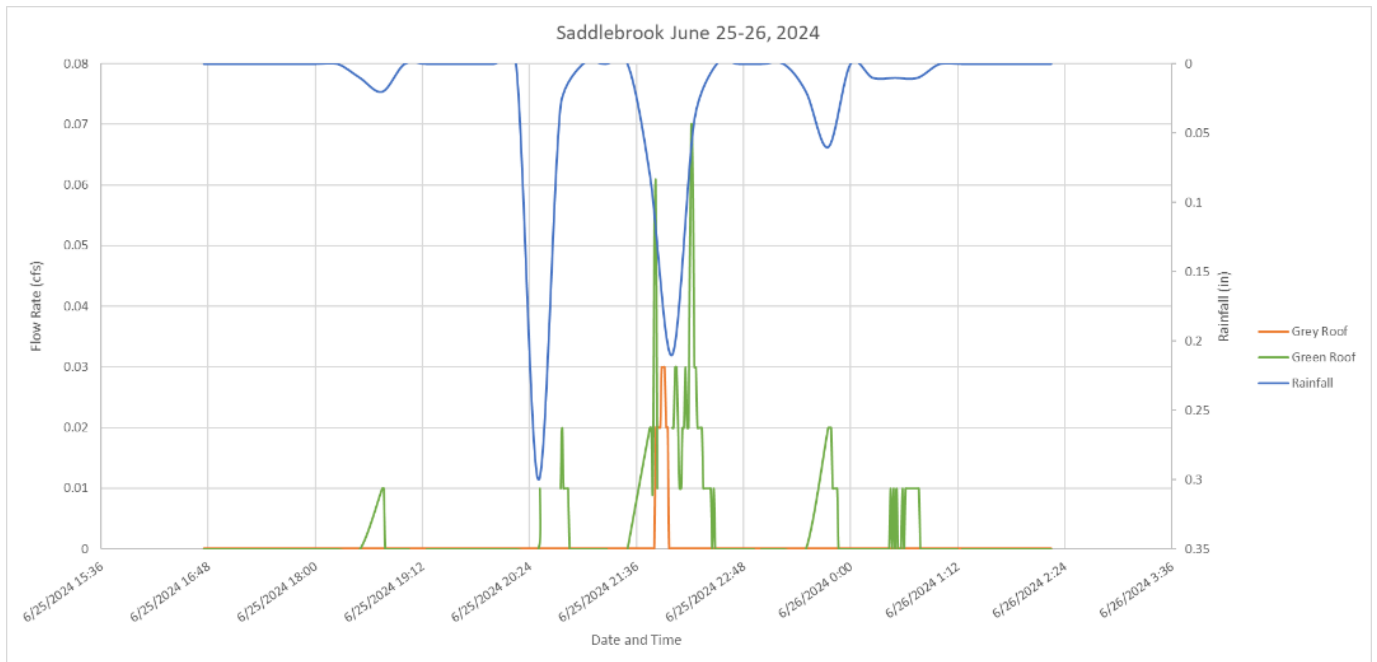
Figure 3: Event 2 Hydrograph

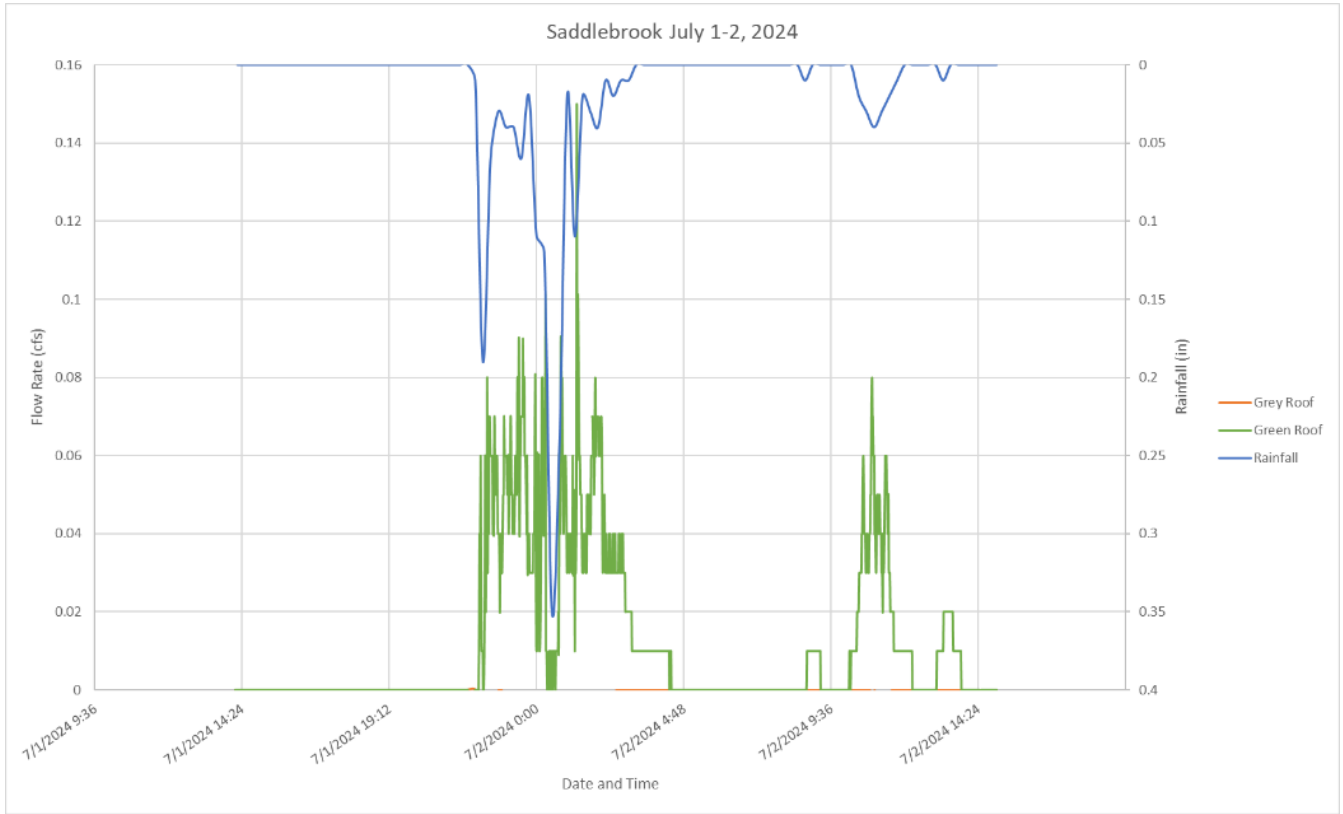
Saddlebrook

Data was collected with ISCO 2150 Area Velocity Flow Modules and Sensors that measure quantity and velocity of stormwater runoff. Flow analysis is included for the green and grey roofs as well as the bioretention system and basin for the 2024 sampling period. This data is used to compare volume, peak flow rate, and overall efficiency between the traditional and green infrastructure practices. Outflow (discharge) data was collected from the grey and green roofs for direct comparison. Outflow data was collected from the bioretention system and inflow (runoff) data was collected from the east parking lot. Runoff to the dry detention basin from the east parking lot has not been treated by a BMP and serves as a control for the bioretention system in this study. An ISCO 674 Tipping Bucket rain gauge was also installed

on site for local and accurate precipitation measurements. Equipment was regularly maintained with fresh desiccant to ensure the continued reliability of the data.

The following two graphs compare stormwater flow rates for the grey roof, (a rubber membrane roof with no stormwater management controls installed) and the green roof system. The comparison is to show if the flora of the green roof system improves efficiency at managing stormwater runoff. The total precipitation for the 6/25-26/2024 rain event was 0.8” over a period of 6 hours and 15 minutes. The data shows the green roof efficiently managed the light to moderate rain, whereas the discharge flow rates of the rubber membrane grey roof reached a peak flow of 0.03 cfs. Peak flow for the green roof during the height of the storm reached 0.07 cfs. Rain accumulation on 7/1-2/2024 was 2.15” over a 24-hour span. The peak flow for the green roof during storm was approximately 0.15 cfs. The data for the grey roof during this event peaked at 0.29 cfs.





Figures 4 & 5: Discharge events for 6/25-26/2024 and 7/1-2/2024 at the green/grey roofs

The following two graphs are comparisons between the basin and the bioretention system at Saddlebrook Elementary. Data from the same two rain events are used to depict the efficiency through the storage and the gradual infiltration of the bioretention system. Data captured from the light to moderate rain event shows the bioretention system is efficient at managing stormwater discharges through capturing and holding rainwater in the system. On June 25-26, 2024 the discharges flow rate for the bioretention system remained relatively low at approximately 0.1 cfs compared to the peak discharge flow rate of roughly 2.44 cfs from the basin. The data for the basin during the heavy rain event on July 1-2, 2024 shows peak flow around 2.61 cfs at the basin. The peak discharge flow from the bioretention registered 13.4 cfs. The heavy rainfall may have exacerbated the holding capacity of the system and stormwater discharged to the overflow structure into the pipe where the flow monitoring sensor is installed.

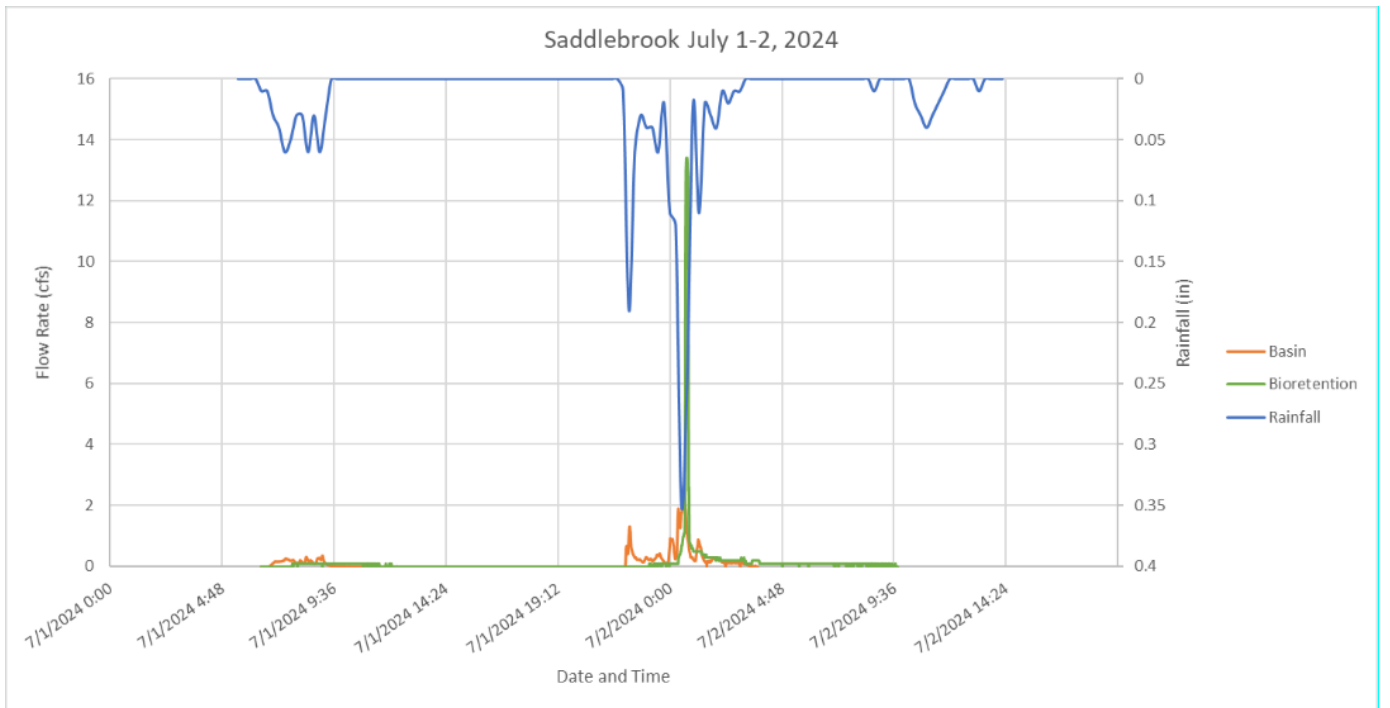
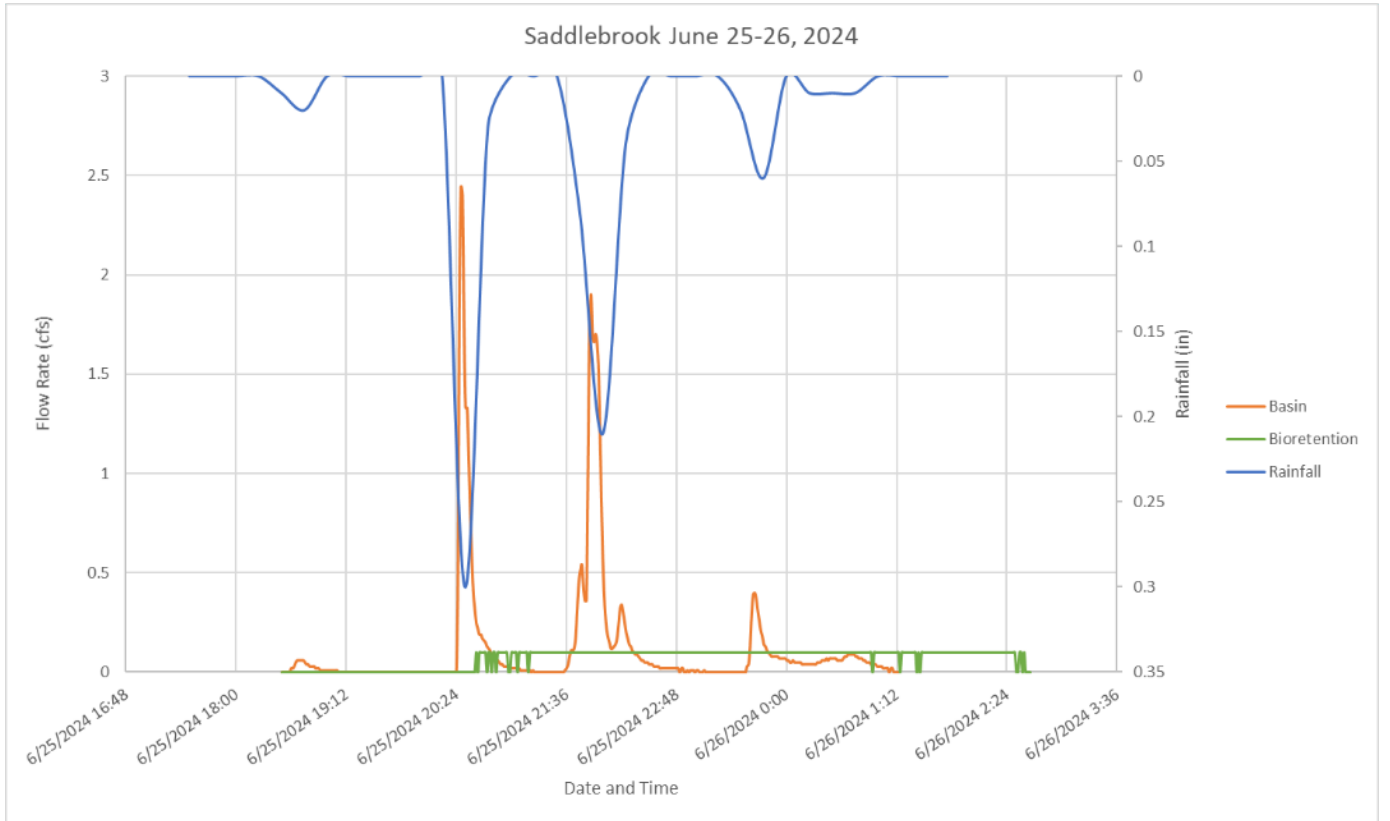


Figure 6 & 7: Discharge events for 6/25-26/2024 and 7/1-2/2024 at the bioretention and basin systems

The following graphs depict data collected from the HOBO pressure transducer located in the bioretention system at Saddlebrook Elementary. The data for the first graph was collected on June 25th, 2024 during a lighter rain event totaling 0.72 inches over a span of 4 hours. The graph depicts ponding in the system occurring 15 minutes before the Papillion-Missouri River NRD rain gauge, (06610732) that is situated approximately 2 miles to the east at Big Papillion Creek @ Fort Street. The presence of this variance may be due to a slow-moving rain event moving in from west and traveling east. The data shows heavy rainfall of 0.28” at 9:30 pm, while the ponding depth in the system reached 6.9 inches at 10:15 pm. The data does show the drainage in the system performs efficiently with a total drawdown time of approximately 2 inches per hour.

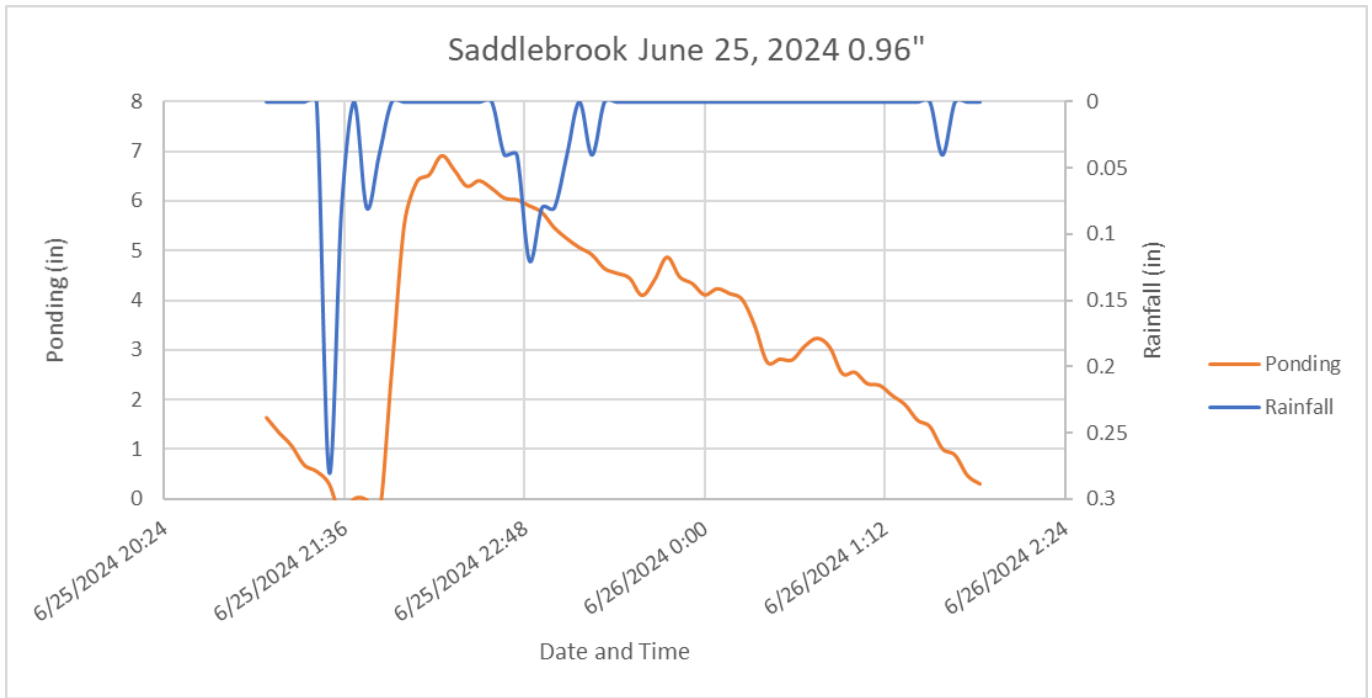


Figure 6: Rain Event 1

The data for the second graph was collected by a HOBO pressure transducer on July 1-2, 2024. The rain data for the event was collected from a Papillion-Missouri River NRD rain gauge, (06610720) located along the Big Papillion Creek near Bennington NE. The 8.75-hour time span represented on the graph illustrates a heavier precipitation event with a duration of approximately five hours totaling 1.96 inches. The only spike in ponding depth rose to 1.342 feet or 16.104 inches. The total drawdown time for the system after the 8.75-hour rain event from maximum ponding depth extended over approximately seven hour time span with an average drawdown rate of 1.5 inches per hour.

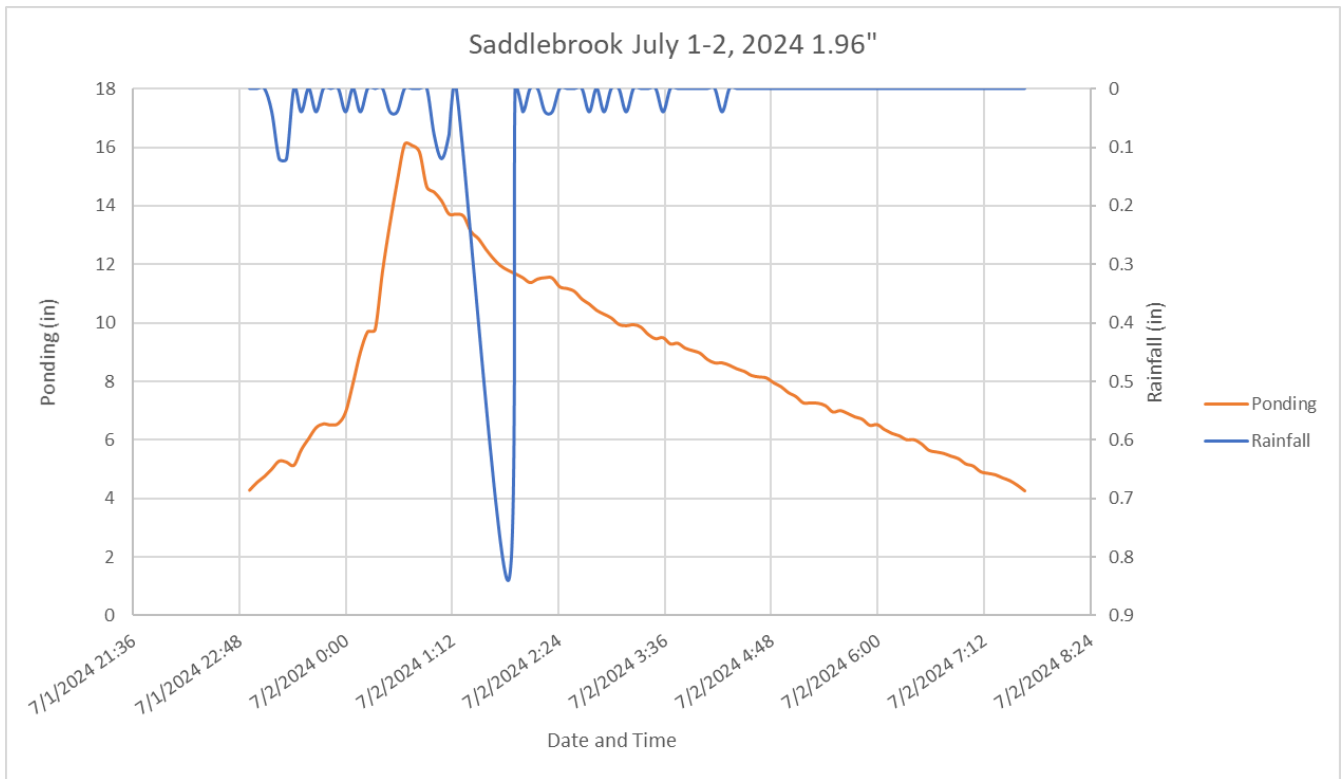


Figure 7: Rain Event 2

Orchard Park

Local rain data was gathered from the Papillion-Missouri NRD weather station at Little Papillion Creek near Irvington, Nebraska (ID: 06610750). One HOBO water level pressure transducer was installed in the east bio retention system at the north end of Orchard Park. Flow enters through curb cut-outs along 66th street into the west bio retention system then overflows into the east cell. During the 2024 monitoring period, the underdrain valve in the west bio retention cell was closed to promote ponding and subsequent drainage & spillover from the street garden to the main bio retention system where the HOBO pressure transducer is stationed. It has been documented that a significant portion of the storm water runoff from the surrounding impervious areas, e.g. streets & sidewalks enters a street storm drain prior to entering the bio retention system. Also noteworthy is the presence and variance in negative values in the collected data from the pressure transducers. Our Program attempted to address this issue by measuring the barometric pressure in closer proximity to the HOBO sensors that measure ponding depth. The negative values are relatively small and are accounted for in the analysis for each rain event.

Event 1

The local rain gauge during Event 1 on June 25, 2024 recorded a total of 1.28 inches of rainfall in approximately 2 hours for an average intensity of 0.64 in/hr. The pressure transducer recorded -0.624 inches prior to the rain event and registered a maximum ponding water level of -1.452 inches. This data shows a rise in ponding level of 0.828 inches. There was a time lapse of 85 minutes between the peaks of rainfall to the maximum ponding depth. The infiltration rate of the system is efficient with full drawdown in a one hour and 25-minute span.

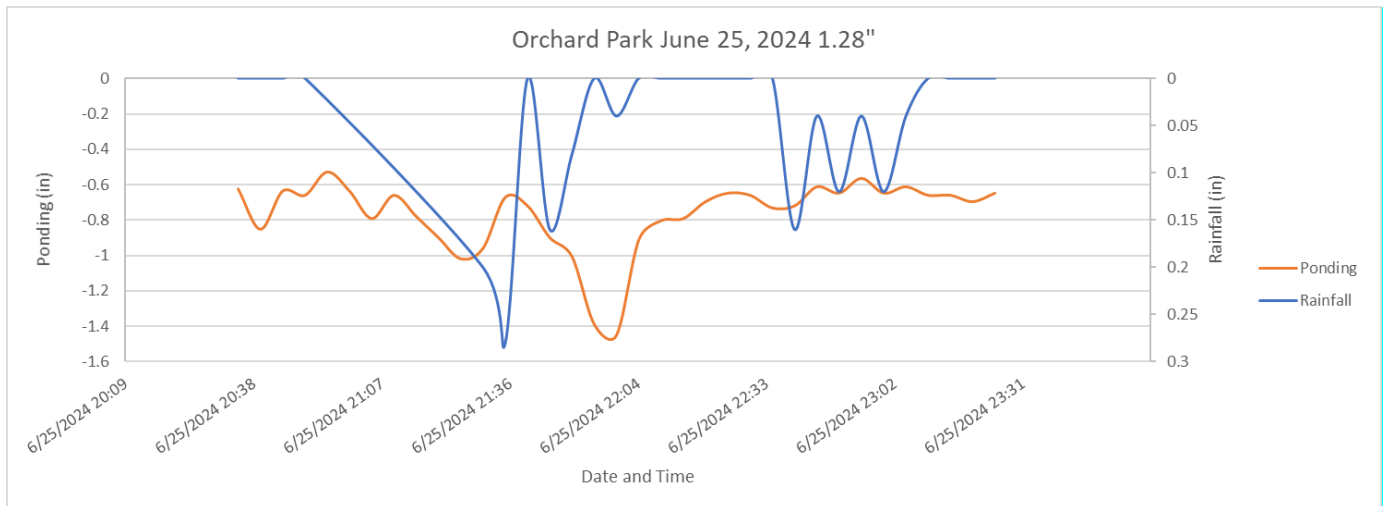


Figure 8: Orchard Park Event 1

Event 2

The local rain gauge during Event 2 on July 1-2, 2024 recorded a total of 2.4 inches of rainfall in about 4 hours for an average intensity 0.6 inches per hour. The minimum recorded level before precipitation was -0.9 inches and the maximum ponding water level registered at 9.204 inches. The total ponding depth for the bio retention system during this heavy rain event was 77.892 inches. The maximum ponding that occurred in the system, drained within 70 minutes.

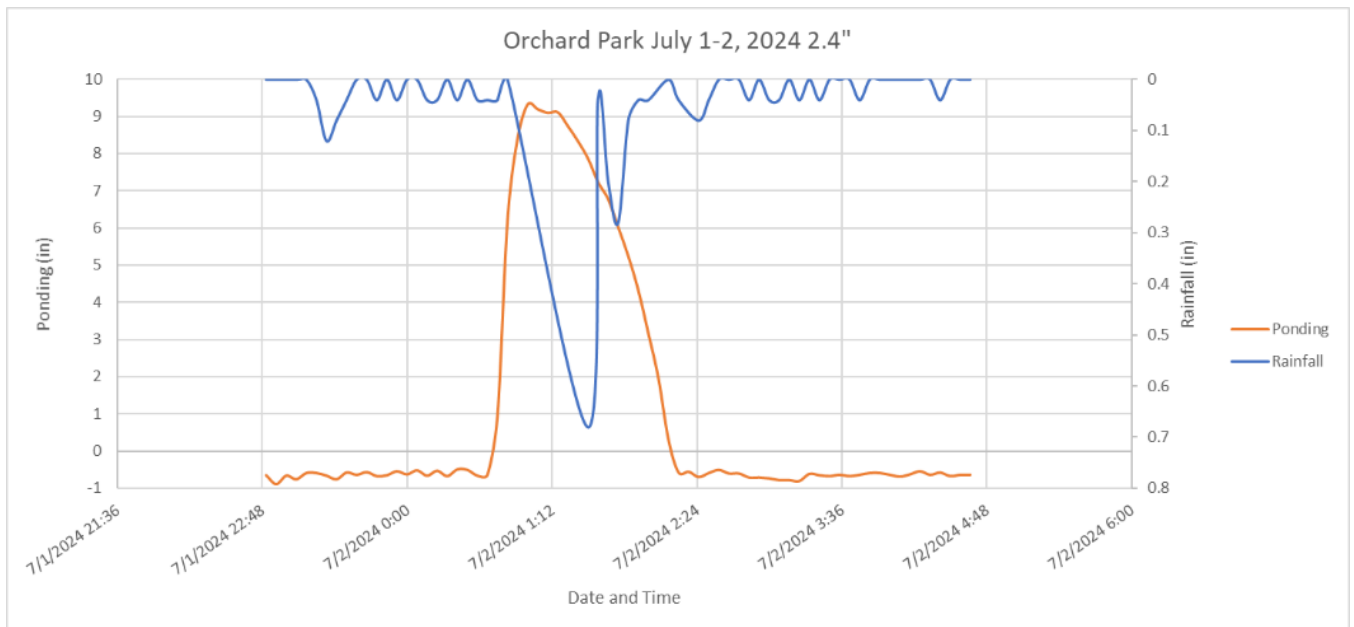


Figure 9: Orchard Park Event 2

Orchard Park bio retention system continues to perform as designed and is effective at managing storm water runoff. This is the oldest bio retention system demonstration project for the Program that utilizes the infiltration cell concept (limited footprint of amended soils and underdrain with a valve). The valve on the underdrain system is a significant factor for improving the overall effectiveness of the bio retention system. The ability to slow water flow through it significantly reduces peak flow and total flow due to evapotranspiration and infiltration losses. Monitoring will continue in 2025.

Creighton Prep

A stilling basin with a pressure transducer near the overflow weir measures the ponding depth of the bio retention system. An on-site rain gauge is available however, rain data from the Papillion-Missouri River NRD rain gauge, (06610760) located along Cole Creek at Blondo Street was used for both events in 2024. For both events the data shows the bio retention system is effectively detaining water to delay peak discharge.

Event 1

Event 1 was a light rainfall of 0.04 inches spanning over a short duration of time. The data shows a slight variance with ponding in the system occurring prior to rainfall collected. This can be attributed to the differing locations of the rain gauge and the pressure transducer. Moderate ponding occurred reaching a total height of 19.014 inches and a total drawdown time of approximately 3.5 hours averaging 5.43 inches per hour.

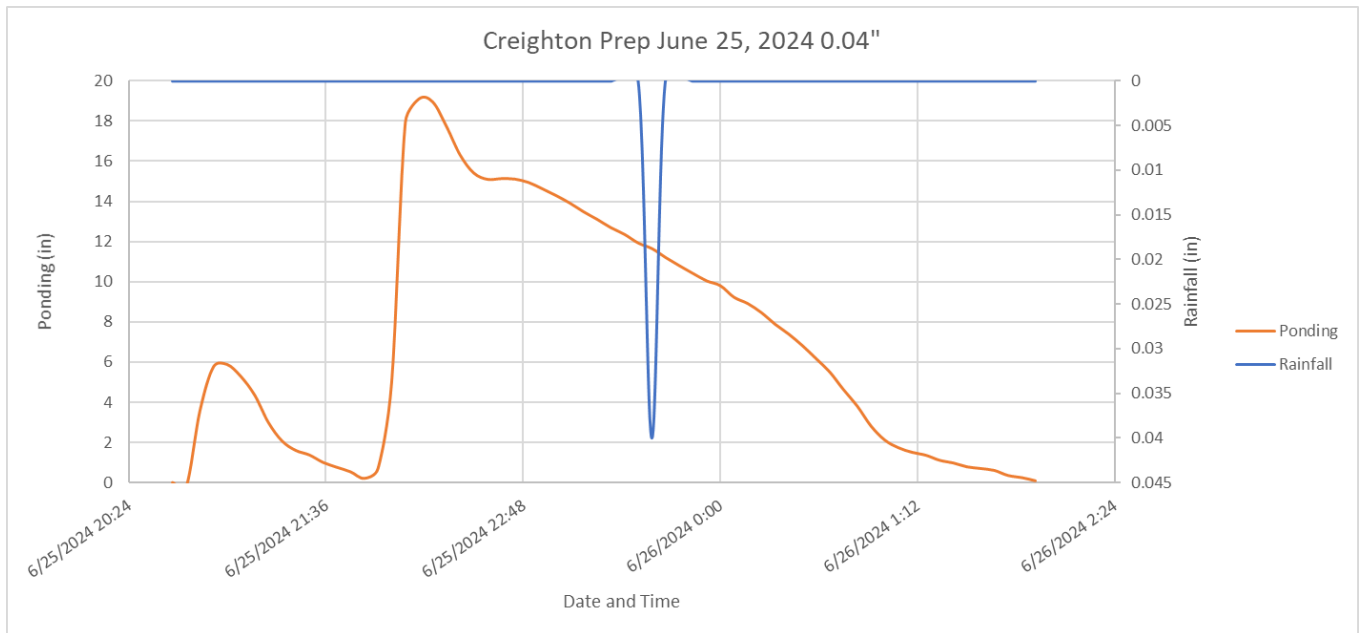


Figure 10: Creighton Prep Event 1

Event 2

Total precipitation for this event was 0.08 inches over a period of approximately four hours, and the average intensity of this storm was 0.02 inches per hour. The storm consisted of light to moderate rainfall bookended by two short bursts of light rainfall. The data shows a slight variance with ponding in the system occurring prior to rainfall collected. This can be attributed to the differing locations of the rain gauge and the pressure transducer. The data shows significant ponding in the system of 10.116 inches at the beginning of the storm and 10.176 inches at the tail end of the rain event. The system infiltration works efficiently with a complete drawdown of four hours after peak pooling with an average rate of approximately 2.53 inches per hour.

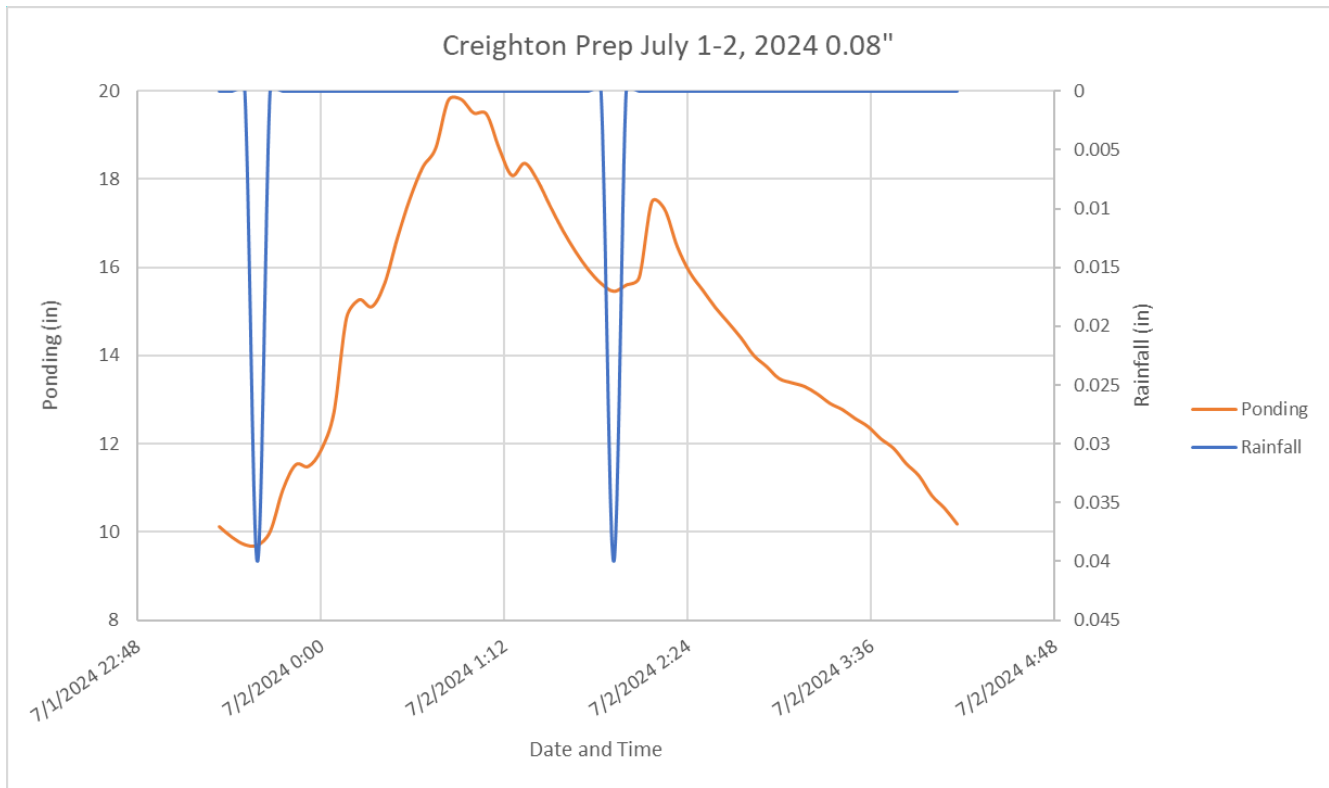


Figure 11: Creighton Prep Event 2

Water Quality Assessment

Water quality samples were collected on 05/30/2024 from the inflow and outflow of the Creighton Prep bioretention system. Three inflow grabs were collected from the manhole where the parking lots are connected to the bioretention system and three samples were collected from where the bioretention system drains into the city of Omaha’s sewer system. A blind duplicate was grabbed for validation of lab and field sampling techniques. The rain event that was samples started at 16:00 and lasted until 18:00. During this time a total of 0.20” rainfall was measured at the Cole Creek rain gauge, NRD ID 06610760.

Water quality samples were delivered to Midwest Laboratories in an iced cooler on 05/31/2024, the samples were held in the Environmental Quality Control Laboratories refrigerator overnight until they could be delivered to Midwest Labs for analysis. Water quality samples were tested for Total Kjeldahl Nitrogen (TKN), Nitrate/Nitrite Nitrogen (NO₃/NO₂-N), Phosphorous (P), Total Solids (TS), and Total Suspended Solids (TSS), and *E. coli* analyses. Tables 6 and 7 summarize the results of the water quality testing at the inflow and outflow points.

Lab ID:	1581301-01	1581301-02	1581301-03	Reporting Limit mg/L
Sample Time:	15:41	16:20	16:50	
TKN (mg/L)	4.81	1.14	<	0.5
NO2/NO3-N (mg/L)	1.34	0.65	<	0.2
P (mg/L)	.59	0.09	<	0.05
TS (mg/L)	440	40	45	10
TSS (mg/L)	294	21	22	4
E. coli (CFU/100mL)	18.5	29.2	49.6	1

Tables 6: Creighton Prep Curb Inflow Water Quality Result

Lab ID:	1581301-04	1581301-05	1581301-06	1581301-07	Reporting Limit mg/L
Sample Time:	16:09	16:30	17:00	Duplicate	
TKN (mg/L)	5.12	1.28	<	1.11	0.50
NO2/NO3-N (mg/L)	1.72	0.59	<	0.60	0.20
P (mg/L)	0.92	0.14	<	0.14	0.11
TS (mg/L)	778	45	55	60	10
TSS (mg/L)	650	27	19	32	4
E. coli (CFU/100mL)	>2419.6	>2419.6	980.4	>2419.6	1

Tables 7: Creighton Prep Outflow Water Quality Result

The concentrations decreased with each sample analysis for both inflow and outflows. When looking at all the analytes tested, the effluent of the basin shows a decrease in some of the analytes, but an increase in others. The Nitrate/Nitrite Nitrogen number were greater in the water leaving the basin, as well as, Phosphorus, Total Solids and Total Suspended Solids. This could be due to several environmental factors and or conditions of the drainage system that is within the basin.

The E.coli leaving the basin is significantly higher than the incoming flow, this could be due to several environmental factors or wildlife using the basin as a refuge. Additional training will be given to staff to ensure a sample collection or analysis error do not occur.

Adams Park

Water level data was used to assess the Adams Park site in 2023. Water level data was collected from three Pressure Transducers (PT 1,2 & 3) installed on site: PT-1 is located upstream of the outlet structure, PT-2 is positioned in a micro pool on the west side of the wetland area, and PT-3 is upstream of the culvert beneath the future park road, as shown in Figure 12. Pressure Transducer-3 (PT-3) is located at the bottom of the channel and encounters flow first. The ponding that occurs in the micro pool where pressure transducer-2 (PT-2) is located is largely dependent on flow from the main channel overtopping a berm at roughly 1074.75 feet. Pressure Transducer-1 (PT-1) is installed at a lower elevation to record data even when water elevation is low. When the water surface elevation is above 1076.50 feet, drawdown is controlled by the slotted weir at the outlet structure. After the water surface elevation drops below 1076.50 feet, drawdown is controlled by an 8-inch orifice with an invert elevation of 1074.00 feet. Flow monitoring equipment was not installed in 2024.

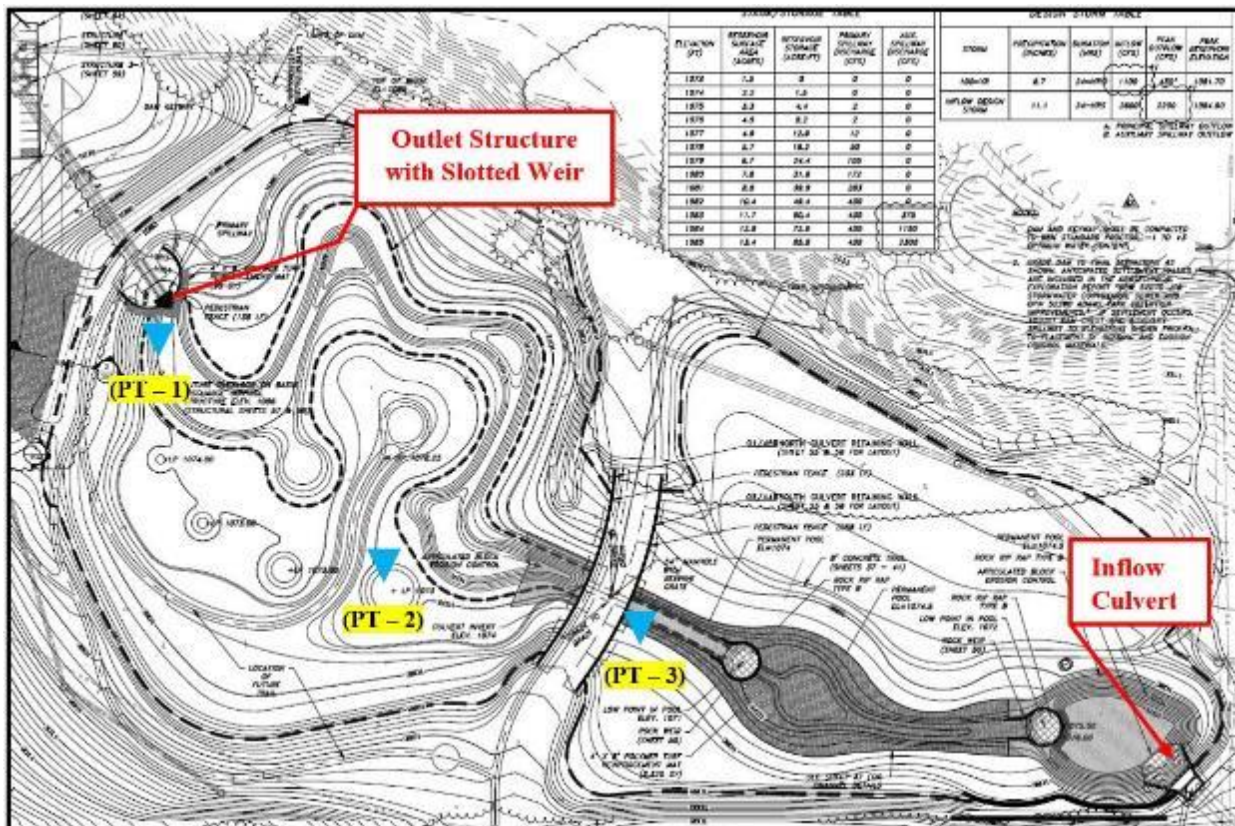


Figure 12: Inflow, outflow and pressure transducer locations at Adams Park

Adams Park Rain Event A

Local rain data was gathered from the Papio Missouri NRD Rain Gauge at City Maintenance Shop (ID: 411701095570601) for rain event A. A total of 0.04 inches of rain fell on 6/25/2024 at Adams Park during Rain Event A. Rainfall intensity measured 0.04" over a 5 minute span on June 25, 2024. The maximum ponding height for all Pressure Transducers occurred 25 minutes after the onset of rainfall. Since this rain event was quite small, the ponding increase and subsequent drawdown was minor. The average ponding depth before the onset of rain for PT-1 was 36.4 inches. The ponding depth came back to the initial depth 1 hour and 50 minutes after the onset of rain. PT-2 and PT-3 average ponding depth before the onset of rain returned to their initial depth quicker than PT-1. PT-2 and PT-3 returned to their initial ponding depth 45 minutes after the onset of rain. The ponding increase and subsequent drawdown, though minor due to a smaller rain event, shows the system is efficient at managing stormwater runoff.(Figure 13).

The maximum ponding height for all Pressure Transducers occurred 25 minutes after the onset of rainfall. Since this rain event was quite small the ponding increase and subsequent drawdown was miniscule.

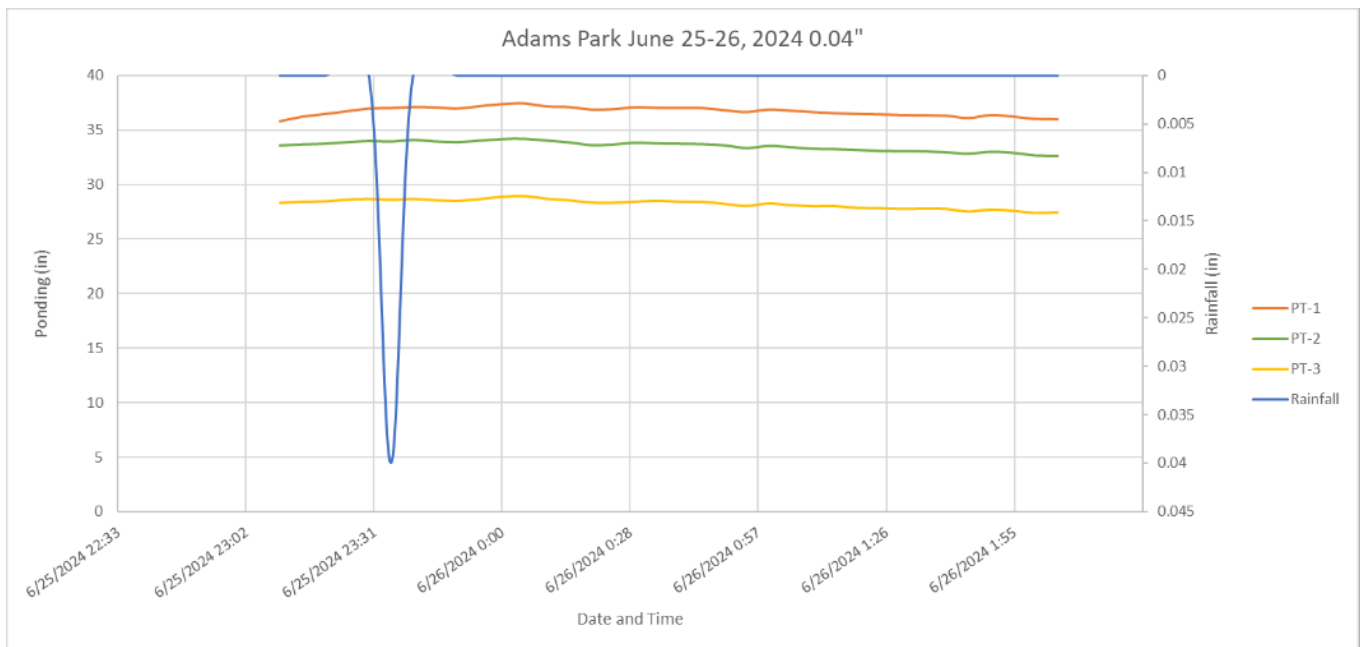


Figure 13: Adams Park Event A

Adams Park Rain Event B

Rainfall data was collected from the Papio-Missouri River NRD rain gauge located at Cole Creek & Blondo Street for the period of 7/1/2024-7/2/2024. The rain gauge registered light to moderate precipitation with a total accumulation of 0.12” over the 6 hours. There was approximately a 25 minute lag time between the start of ponding upstream at PT-3 and the start of ponding at PT-2 that is located in the micro pool. Elevated ponding levels at PT-1 were observed 5 minutes after the onset of the rain event. Peak ponding at PT-1 occurred approximately 2 hours after the onset of precipitation. Ponding at PT-3 dewatered to its permanent pool elevation approximately 24 hours after each rain event. Ponding at PT-1 & PT-2 dewatered to their permanent pool elevation approximately 72 hours after each rain event. The ponding levels and subsequent drawdown after the two rain events show the system is efficient in managing stormwater runoff. (Figure 14).

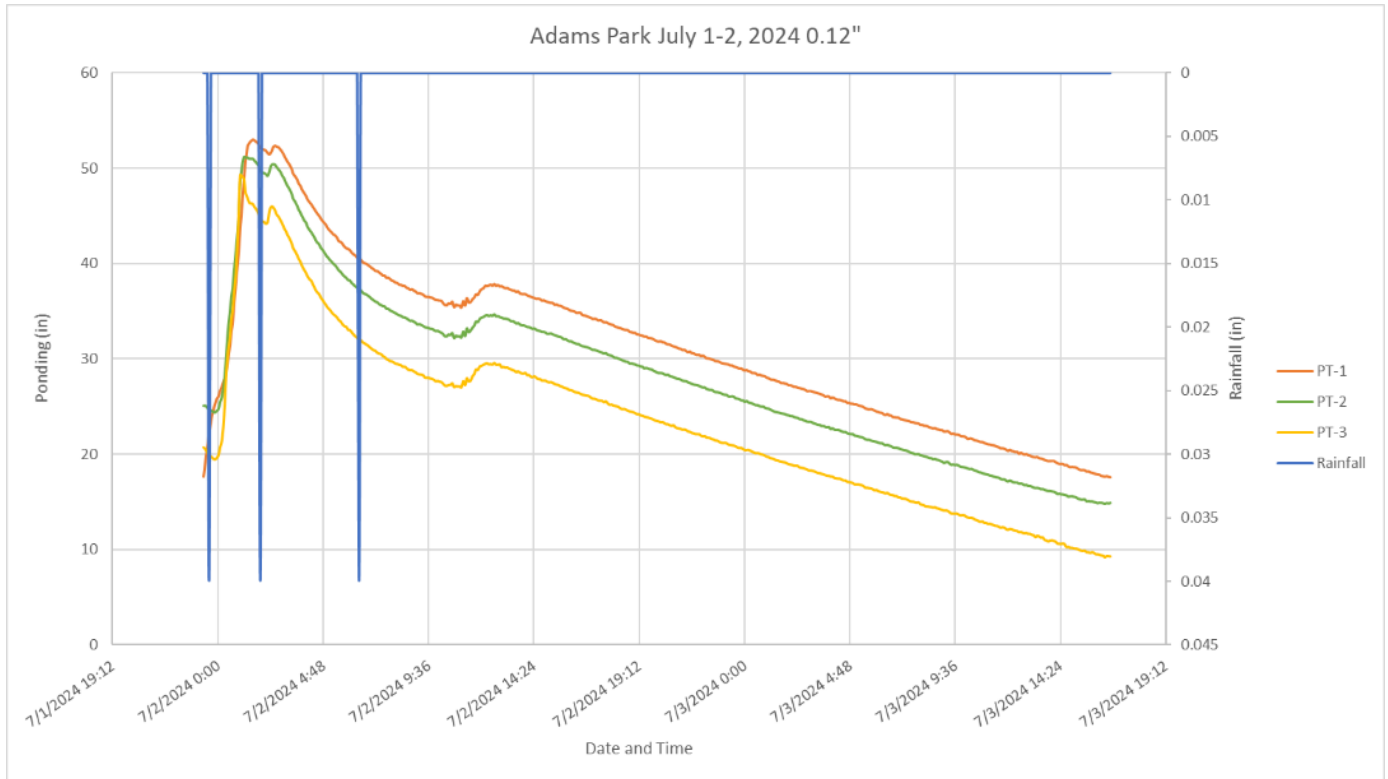


Figure 14: Adams Park Rain Event B

Albright Park

Rainfall was obtained from the Papio-Missouri River NRD rain gauge, (ID# 411232095584201) located at Hitchcock Park. One pressure transducer was installed in the Agri Drain outlet control structure, on the upstream side of the inline weir. Installing the pressure transducer at this location allows for observation of the drawdown rate within the bioretention system due to evaporation (in the case of ponded water), infiltration, and evapotranspiration. The pressure transducer was installed at the bottom of the Agri Drain structure, approximately 72 inches below the structure rim elevation, as depicted in Figure 15. The top of the inline weir is approximately 62 inches above the bottom of the Agri Drain structure. Ponding occurs when the water depth reaches approximately 36 inches above the sensor level. Based on the construction plans, there is approximately 26 inches of ponding available until the hydraulic grade line of the ponded water exceeds the weir elevation, when water from the bioretention system would discharge to the downstream system. Ponded water that overtopped the Agri Drain rim elevation would enter control structure through the bar grate lid and could bypass the inline weir, discharging directly to the outlet pipe.

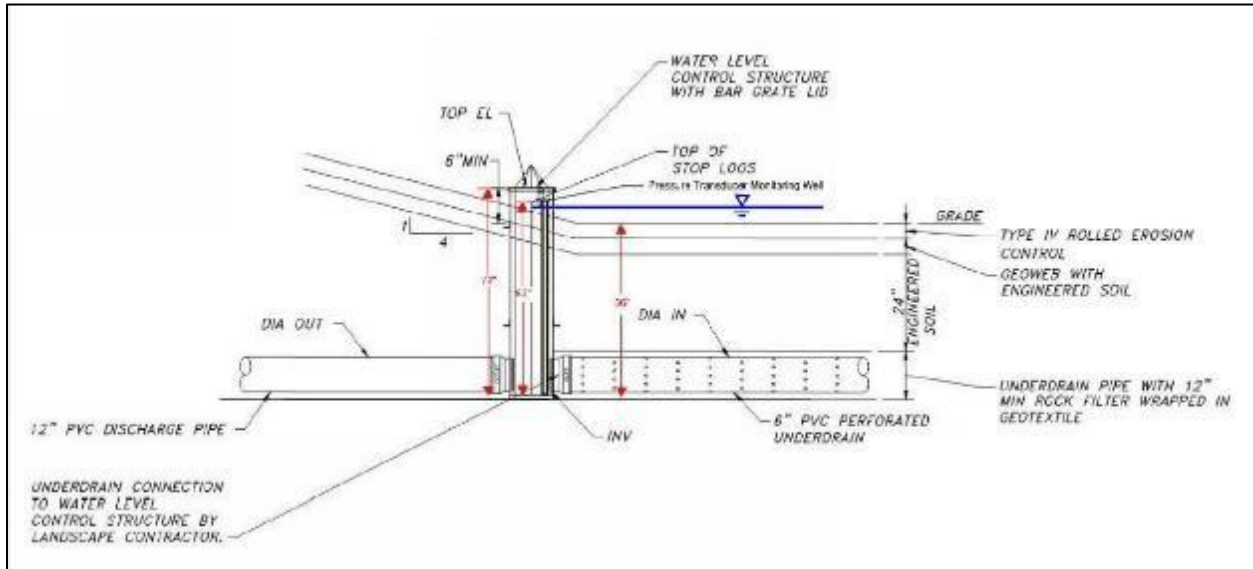


Figure 15: Albright Park Agri Drain Structure

Rain Event 1

Rain event 1 consisted of moderate rain showers over a duration of approximately nine hours. The total precipitation for the rain event was 1.04 inches. The pressure transducer situated in the bioretention registered at a value of 0.192 inches prior to measurable precipitation. During the rain event the ponding data registered 1.314 feet. Through extrapolating these data points collected, peak pooling in the bioretention occurred during the height of the storm at 5:35 pm reaching 1.349 feet or 16.188 inches. The graph shows a quick drawdown in the bioretention due to efficient infiltration. The pressure transducer situated in the Agri Drain registered a stormwater pooling depth of 4.779 feet or 57.348 inches during the height of the storm. The collected data shows the pooling in the Agri Drain dewatered within 114 hours. (Figure 16)

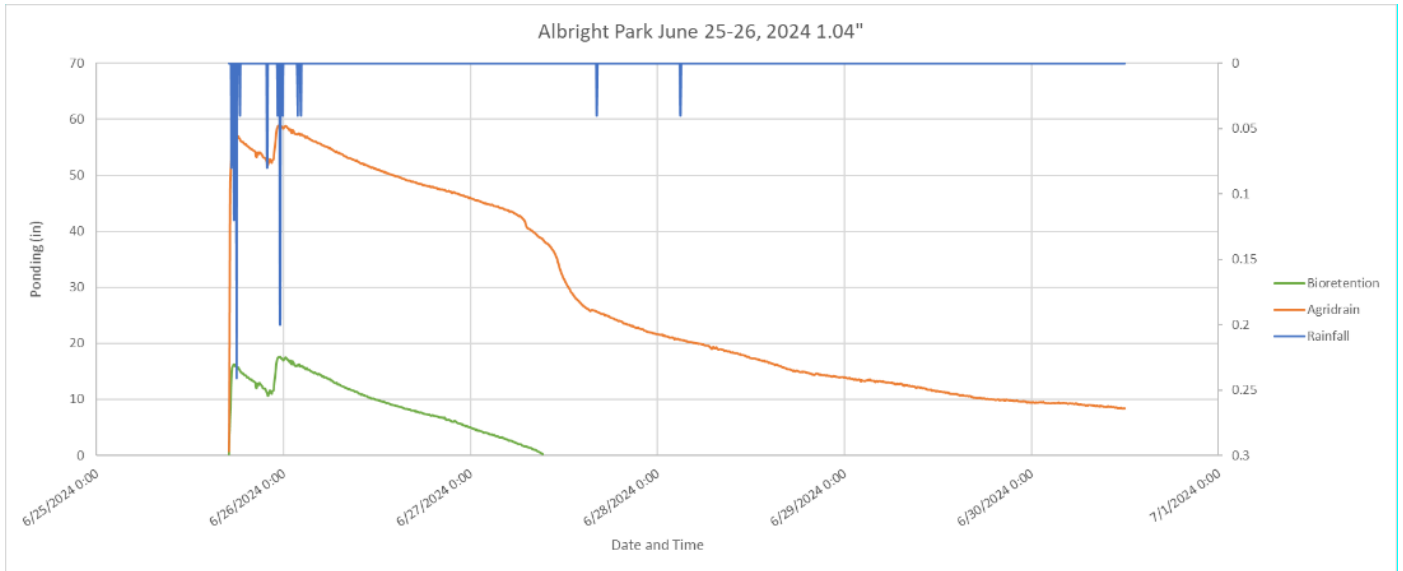


Figure 16: Albright Park Event 1

Rain Event 2

The second rain event depicted in Figure 17 shows several bursts of rainfall over approximately 52 hours of heavy rain totaling 2.04 inches. This particular storm shows the bioretention system reached peak pooling of 2.595 feet or 31.14 inches at 1:30 am on July 2. The Agri Drain also achieved peak pooling at approximately the same time reaching 5.648 feet or 67.776 inches. The Agri Drain shows a moderate drawdown time of one foot over a 48 hour span. Complete drawdown of the Agri Drain required 137 hours. The bioretention system required approximately 129 hours to completely drawdown.

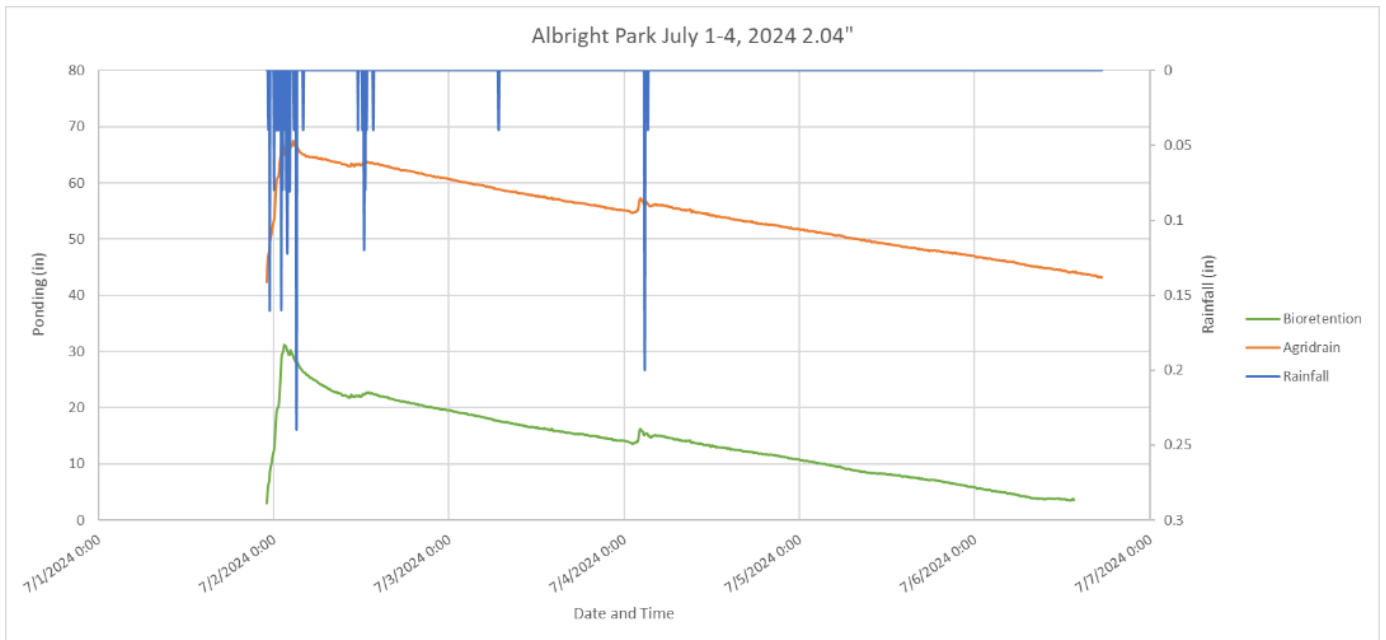


Figure 17: Albright Park Event 2

Sewer Maintenance

Water Quality Assessment

Water quality samples were collected on 07/19/2024 at the inflow and outflow locations as depicted in Figure 16. Three inflow grab samples were collected from the curb cut that discharges to the bioswale and conveys flow to the bioretention system and three outflow samples were collected from the bioretention underdrain monitoring point. A blind duplicate was grabbed for validation of lab and field sampling techniques.

Local rain data was collected from the Papio-Missouri River Natural Resources District Rain Gauge located at Hitchcock Park (ID: 411232095584201). The sampled rain event produced 0.04". Rain started around 17:00 and first sample was taken at 17:30. This was a small rain event that ended for a few hours and was followed by much stronger rain event later that evening.

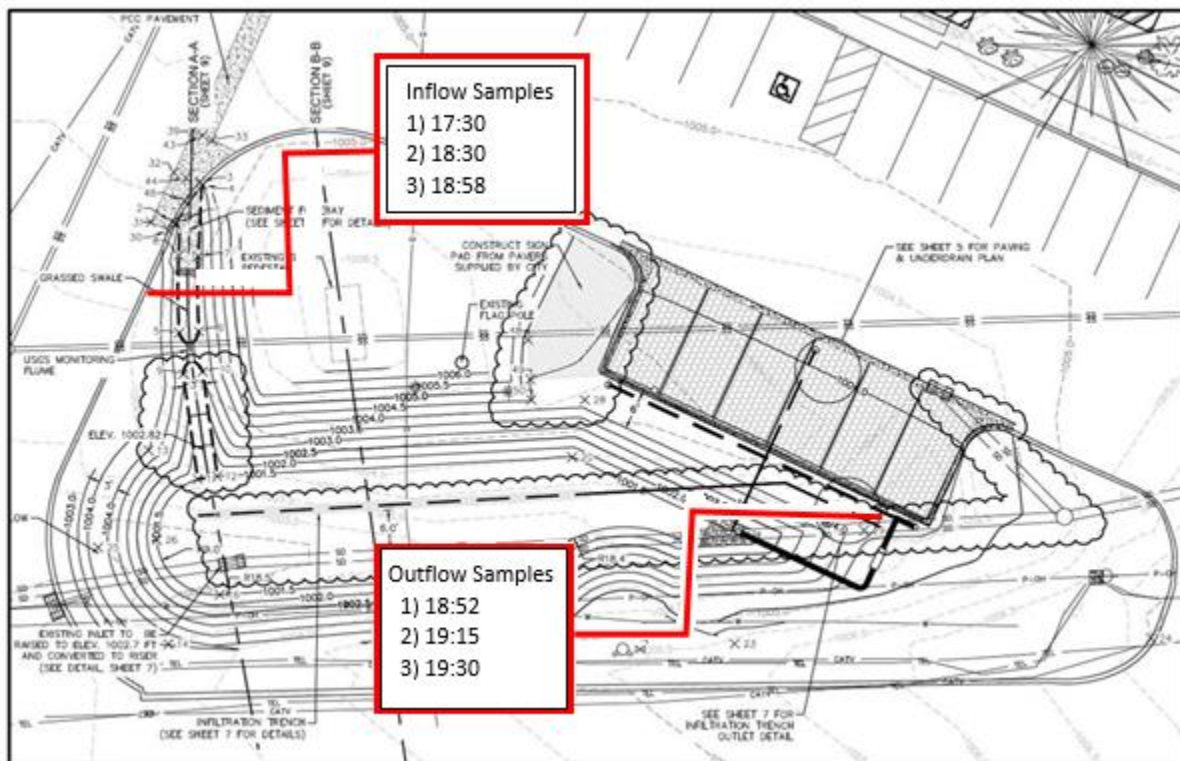


Figure 16: Sewer Maintenance water quality sampling locations

Water quality samples were delivered to Midwest Laboratories in an iced cooler on 07/22/2024, the samples were held in the Environmental Quality Control Laboratories refrigerator over the weekend until they could be delivered to Midwest Labs for analysis. Water quality samples were tested for Total Kjeldahl Nitrogen (TKN), Nitrate/Nitrite Nitrogen (NO₃/NO₂-N), Phosphorous (P), Total Solids (TS), and Total Suspended Solids (TSS), and *E. coli* analyses. Tables 8 and 9 summarize the results of the water quality testing at the inflow and outflow points.

Lab ID:	1591723-01	1591723-02	1591723-03	Reporting Limit mg/L
Sample Time:	17:30	18:30	18:58	
TKN (mg/L)	2.37	1.97	2.08	0.5
NO2/NO3-N (mg/L)	1.58	1.10	0.97	0.2
P (mg/L)	0.26	0.57	0.39	0.05
TS (mg/L)	390	132	200	10
TSS (mg/L)	65	14	57	4
E. coli (CFU/100mL)	290.9	2419.6	1553.1	1

Tables 8: Sewer Maintenance Curb Inflow Water Quality Result

Lab ID:	1591723-07	1591723-08	1591723-09	1591723-10	Reporting Limit mg/L
Sample Time:	18:52	19:15	19:30	Duplicate	
TKN (mg/L)	1.41	1.03	0.87	3.14<	0.50
NO2/NO3-N (mg/L)	3.60	3.17	3.12	0.120.6	0.20
P (mg/L)	0.16	0.12	0.11	440630	0.11
TS (mg/L)	668	445	418	9335	10
TSS (mg/L)	20	12	10	50.447.6	4
E. coli (CFU/100mL)	30.5	52.8	59.1		1

Table 9: Sewer Maintenance Outflow Water Quality Results

The concentrations decreased with the second inflow sample, except for the phosphorous going up slightly. The analysis of the third sample shows that the Total Kjeldahl Nitrogen level increased and the Total Solids and Total Suspended Solids increased for this sample.

When looking at all the analytes tested, the effluent of the basin shows a decrease in some of the analytes, but an increase in others. The Nitrate/Nitrite Nitrogen number where greater in the water leaving the basin, as well as the Total solids. This could be due to several environmental factors and or conditions of the drainage system that is within the basin. The other analytes, Total Kjeldahl Nitrogen, Phosphorous, and Total Suspended Solids all decreased in strength.

The concentration of TKN went down at all the time points when comparing the inflow to the outflow. The concentration of TSS also went down at all the time points when comparing the inflow to the outflow. In terms of this analysis, the bioretention system seems to be most efficient at decreasing TKN and TSS. E.coli increased substantially from the inflow first sample to the second and third. This could be due to environmental factors of more material being flushed or broken loose from surfaces and introduced into the inflow into the system. Additional training will be given to staff to ensure a sample collection or analysis error did not occur.

USGS Water Balance Assessment

United State Geologic Survey (USGS) monitoring equipment was in-place at the Sewer Maintenance Facility in 2024 to assess the water balance of the bioretention system, see their summary report in this attachment for more details. The 2024 season was the third full monitoring season incorporating the new monitoring equipment and the completed efforts to improve the infiltration into the underdrain. Monitoring will continue with USGS as well as water quality monitoring in 2025.

2024 Green Infrastructure Monitoring at the Omaha Sewer Maintenance
Facility
Provided by: USGS

Project Title: Green Infrastructure Monitoring at the Omaha Sewer Maintenance Facility

Monitoring Objectives:

- To characterize the water balance components of a green infrastructure project during storm events.
- To demonstrate green infrastructure performance in the soils and climate of Omaha, Nebraska for comparison to other sites nationwide.

Monitoring Approach: The project site was selected through consultation with the City of Omaha in anticipation of the design and construction of a green infrastructure project at their Sewer Maintenance Facility near 69th and Q Streets. The project included permeable pavers in sequence with a bioretention cell, and monitoring equipment was incorporated into the design. The project was designed in 2013, constructed in 2014, and non-winter monitoring occurred from 2015-24.

The water balance was measured in the bioretention cell in the following manner: inflow into the bioretention cell was measured by a cutthroat flume at one entrance to the cell and by a Palmer-Bowlus flume to capture the flow entering the cell through the permeable pavers. Flow out of the cell through an underdrain was measured by a Palmer-Bowlus flume installed on the underdrain pipe. Due to construction of the underdrain pipe at a slope greater than that specified in the design, the data from this underdrain flume was often compromised by critical velocities. More recently, this flume was also impacted by leakage into the monitoring chamber. In 2020 the underdrain flume was removed and replaced with an ultrasonic flow sensor (and flow control structure to maintain pipe-full conditions). Overflow leaving the cell through a standpipe during high-volume events was estimated by treating the standpipe opening as a weir and measuring the depth of water above the standpipe. Potential evapotranspiration was measured by a Campbell Scientific ET107 system, and rainfall was measured using a tipping bucket mechanism. Infiltration was estimated as the residual of that water balance.

In 2021 it was determined that flow from the permeable pavers was bypassing the inflow flume and flowing through alternative pathways into the underdrain line. This was confirmed with some flow testing in 2022. As a result, this inflow path has been included when calculating the water balance beginning with 2020 data. To estimate this new pathway, inflow from the permeable pavers was calculated using a runoff coefficient method that calculates the runoff into the paver storage basin as a product of the precipitation total, the contributing drainage area, and a coefficient that represents the percent of precipitation that becomes runoff. The runoff volume into the paver storage basin was calculated using a runoff coefficient of 0.8 and an initial abstraction of 0.09 inches. All runoff entering the permeable paver storage basin was assumed to enter the bioretention cell and was taken as the second inflow component of the water balance.

Preliminary Results:

Monitoring at the site characterized the water balance components of 339 metered stormwater events from 2015-24, including 38 events in 2024. These monitoring data are published in the [USGS National Water Information System under station number 411219096010601](#). On average, during metered events, the bioretention cell redirected approximately 61-percent of the stormwater volume away from the storm sewer through infiltration and evaporative processes in 2015-2019. This and other metrics could be considered locally when trying to identify ways to improve performance in other green infrastructure projects. Regionally, those metrics could be put in the context of other cities to evaluate how different soils and climatic conditions may influence the design and performance of otherwise similar green infrastructure projects.

The 2024 monitoring season had many precipitation events with almost 30 inches of precipitation in 63 events during the 8 months of monitoring, and 38 of the events were monitored. The precipitation mostly occurred from spring to mid-summer when a dry period began that lasted until late fall.

This monitoring year started well in early April. The primary challenges with monitoring resulted from construction activities at the Sewer Maintenance office building. On April 25 the power and communication lines were cut during paving of the parking lot. The back-up battery powered all equipment except the ultrasonic sensor for a few days, and on May 7 a solar panel and battery were installed to power all equipment. This setup lasted until May 15 when the system was unable to keep up with power demands. A new battery was installed on May 17, but later that day power was lost, presumably the power cord to the data logger was knocked loose during work to restore the cables to the building as that was how it was found on the next visit. All monitoring was restarted on May 23 with restored power and communication. During this period there were 10 missed events totaling about 6.8 inches of precipitation (measured at the closest USGS stream gage).

Monitoring proceeded throughout the summer and fall with little interruption or missing data. In late October the ultrasonic sensor readings pattern shifted slightly, and a broken strap was discovered during the winterization. Outflow data were not valid during November, leading to the exclusion of 10 events totaling about 4.4 inches of precipitation from the summary.

The water balances this year (using calculated inflows from the permeable pavers) showed good agreement with those of previous years. Despite the ongoing monitoring challenge associated with direct seepage into the underdrain from the pave-drain storage basin, the data suggest that the bioretention cell system is still functioning as originally designed by both reducing the volume and delaying the timing of flow leaving the system.

There are now 339 metered events from the 10 years of monitoring at the bioretention cell. These represent a wide range of conditions, from very wet to very dry, and event rainfall totals up to 3.96 inches. Analyses of these data for the upcoming report will focus on the performance of the bioretention cell considering flows, changes over time, and other relevant metrics.

Measured stormwater removed from the storm sewer system by the bioretention cell at the Omaha Sewer Maintenance Facility. – **PROVISIONAL DATA**

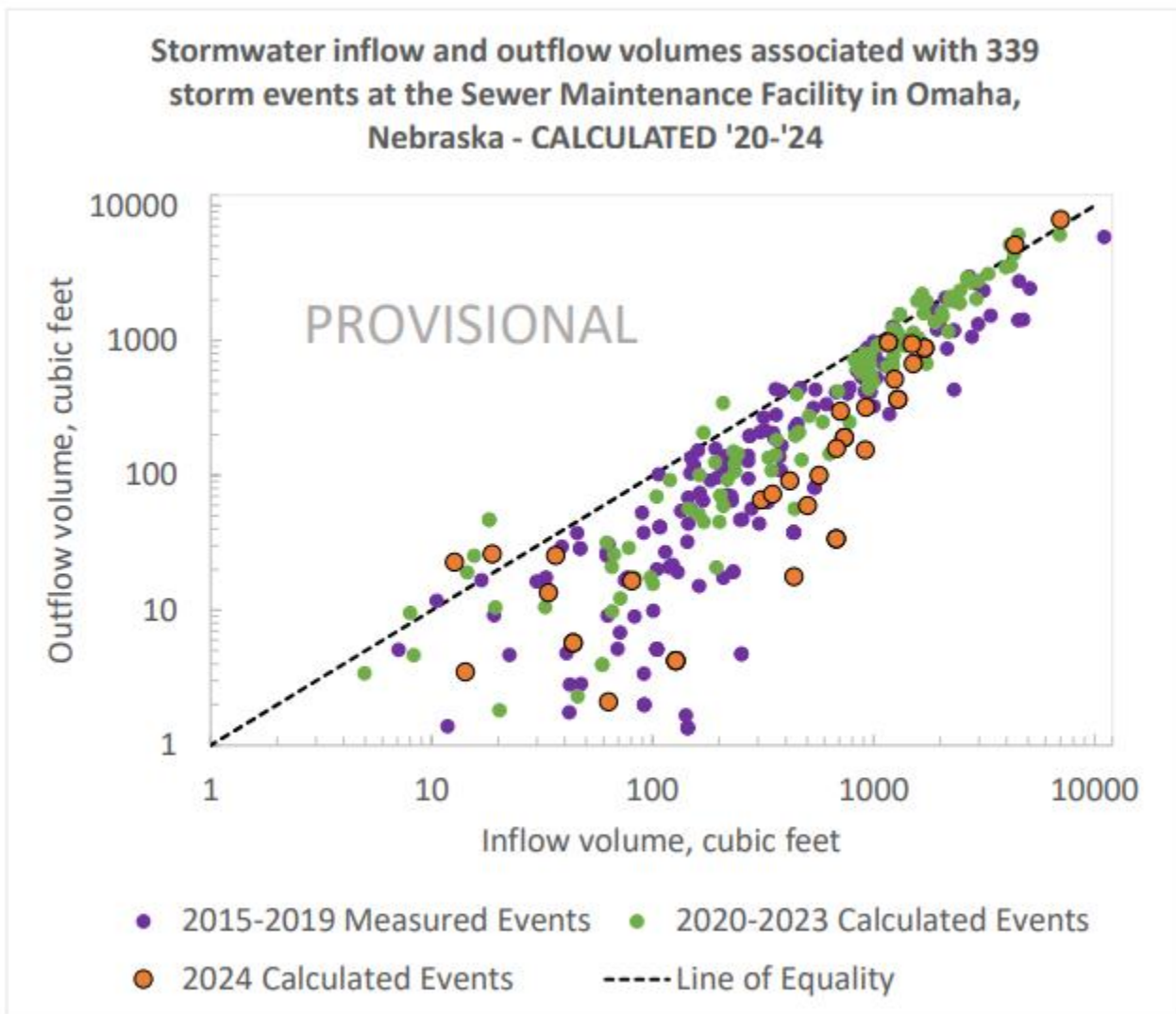
Year	Number of metered events	Number of unmetered events	Metered Inflow volume, cubic ft.	Metered Outflow volume, cubic ft.	Removal, cubic feet	Removal, percentage	Average peak reduction, percent	Maximum peak reduction, percent
2015	38	24	19,063	11,360	7,703	40%	73%	100%
2016	34	28	22,512	17,532	4,980	22%	76%	100%
2017	39	22	19,562	13,335	6,227	32%	89%	100%
2018	55	4	58,154	26,303	31,851	55%	91%	100%

¹ 2019	21	38	1,813	274	1,539	85%	91%	100%
^{2,3} 2020	3	2	772	206	567	73%	-	-
³ 2021	35	6	49,835	47,093	2,742	6%	-	-
³ 2022	37	2	30,240	26,467	3,773	12%	-	-
³ 2023	40	8	30,122	19,101	11,021	37%	-	-
³ 2024	38	25	27,717	19,086	8,631	31%	-	-

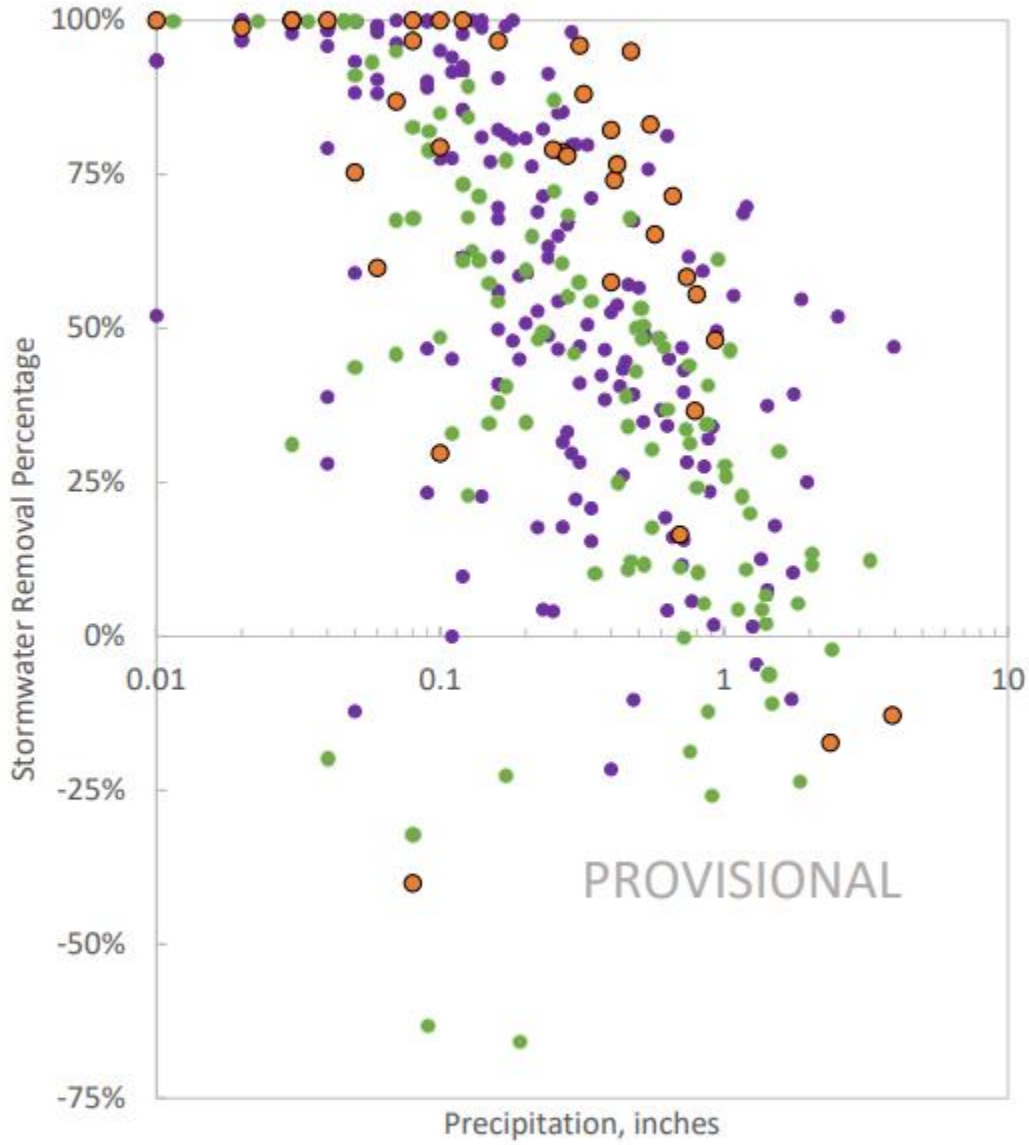
¹ External leakage into the underdrain flume in 2019 compromised water balance measurements on precipitation events generally greater than 0.3 inches, and so the 2019 metrics represent only small events.

² Monitoring did not begin until August 12, 2020, due to underdrain maintenance.

³ Paver storage basin inflow calculated. Peak flows not calculated.



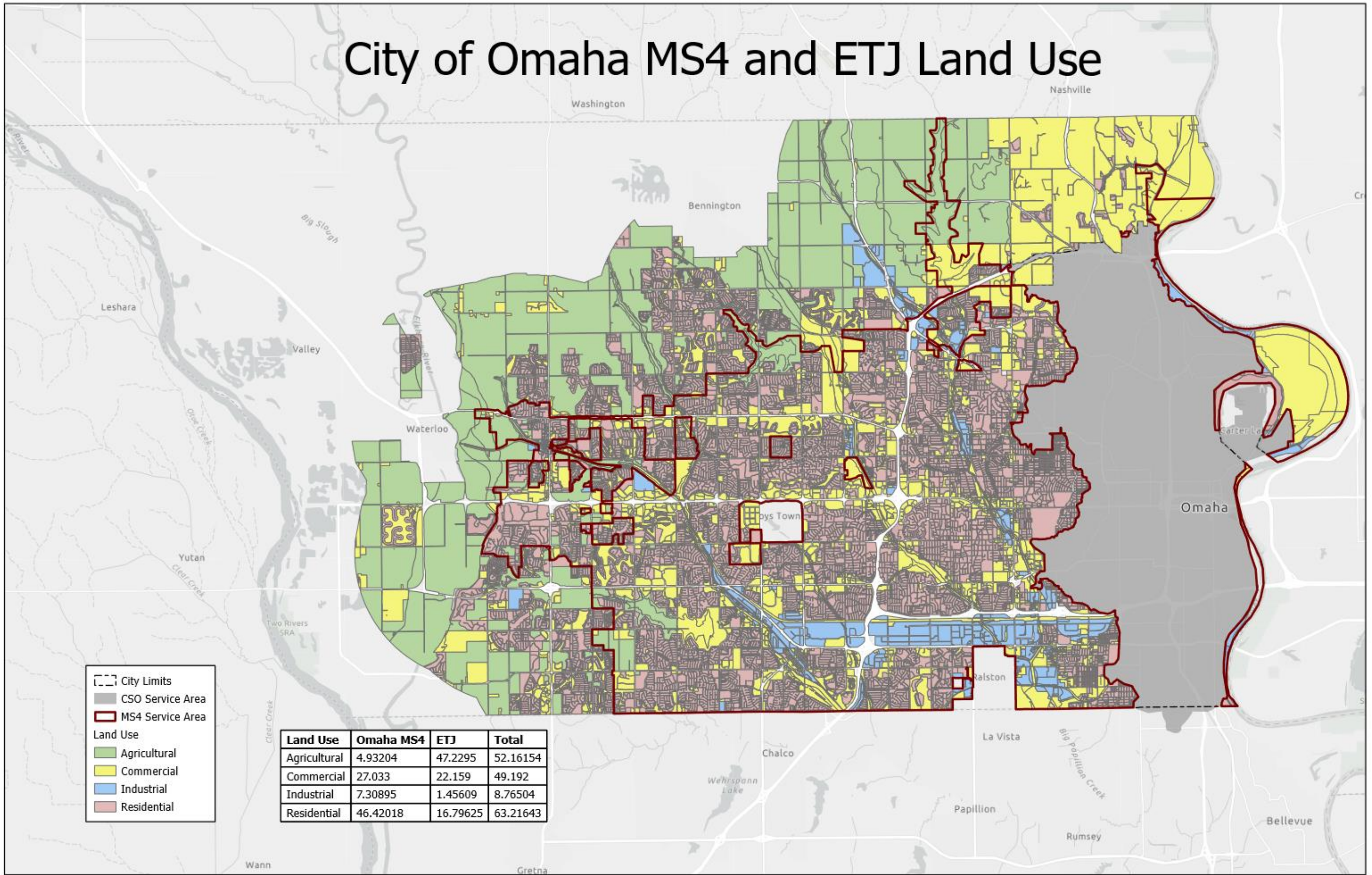
Precipitation amount and stormwater removal efficiency associated with 339 storm events at the Sewer Maintenance Facility in Omaha, Nebraska - CALCULATED '20-'24



- 2015-2019 Measured Events
- 2020-2023 Calculated Events
- 2024 Calculated Events

ATTACHMENT G

City of Omaha MS4 and ETJ Land Use



City Limits
 CSO Service Area
 MS4 Service Area
Land Use
 Agricultural
 Commercial
 Industrial
 Residential

Land Use	Omaha MS4	ETJ	Total
Agricultural	4.93204	47.2295	52.16154
Commercial	27.033	22.159	49.192
Industrial	7.30895	1.45609	8.76504
Residential	46.42018	16.79625	63.21643