

City of Kaukauna MS4 Program 2023 Summary – Supplement to MS4 Annual Report

Public Education and Outreach MS4 GP Section 2.1

The City continued to implement the Public Education and Outreach outlined in Chapter 3 of the City's Stormwater Management Plan. This section of the City Stormwater Management Plan (SWMP) is being recreated as part of the NR216 Municipal Permit updates. The program includes, but not limited to, storm water topics in the quarterly newsletter to residents, maintaining and updating the City Stormwater Management webpage, displaying educational flyers as at City Hall and Department of Public Works, passively distributing flyers at various City Hall displays, giving presentations to general public and elected officials, and participating in NEWSC with panels, trainings, and regular meetings. Public Education action items for 2023 include:

Stormwater Management webpage posts:

- Newsletter
 - o Yard Waste/Spring Clean-Up/Keep waste out of runoff/disposal site
 - o Leaf Pick-up/Fall Clean Up – Leave Grass Clippings on the Lawn
- City MS4 Annual Report / Program Summary
- NEWSC Annual Report
- 2023 Updated MS4 Map

Stormwater Management social media posts:

- Clogged Storm Drains / Leaf Tea – November
- Leaf Collection posts - November
- Drug Take Back Day 10/28 - October
- Leaf Pick-Up Important Reminders – October
- Leaf Collection posts - October
- Fall Clean-up Weeks – October
- Fall Newsletter - October
- FWWA Leaf Collection Info – September
- Leaf Collection posts – September
- Tire Collection Week - September
- We are Water Protectors – storybook walk post - September
- Focus on the Fox- Event – September 23 – Multiple Posts
- Dog Park Pond – Maintenance Work – August
- Fish Don't Swim in Chlorine- Pool Discharge/IDDE – August
- FWWA Grass Clippings – May
- Spring Clean Up – May
- Slow-Mow Summer – April
- Electronic Recycling Event 4/22 - April
- Drug Take Back Day 4/22 – April
- 1000 Islands Summer Programs – April
- Clean up pet waste - April
- Household Hazardous Waste – April
- Citizen Science Month – Water Action Volunteer - April
- Tire Collection Week - April
- Spring Newsletter – April

- FWWA PSA Pet Waste – March
- The Power of the River documentary post – February
- Eagle Days 1/28 post – January

Passive Flyers and Hand-Outs

- Renew Our Waters/Every Choice Counts
- Good Dog/Good Owner
- Stormwater Pollution Door Hangers (Grass Clippings / Leaves)

Targeted Audiences in Addition to General Public

- Pet Owners – Good Dog/Owner Poster at Kaukauna Dog Park
- Stormwater Pollution Door Hangers
- Concrete Contractors

1000 Islands Programs

- Eagle Days 1/28/2023 – 1,000 participants
- River Nature Hikes – 53 events – 2,175 total participants
- Crayfish & Critter Hunts - 42 events – 1,903 total participants
- Fox River Ecology – 5 events – 206 total participants
- Focus on the Fox 9/23/2023 – 150 participants.

NEWSC Presentations

- Booth at Focus on the Fox Event – 55 Contacts
- River View Middle School – 300 participants

Public Involvement and Participation MS4 GP Section 2.2

The City continued to implement the Public Involvement program outlined in Chapter 4 of the City’s Stormwater Management Plan. This section is being recreated as part of the NR216 Municipal Permit updates. The program includes, but is not limited to, considering information submitted by the public relating to stormwater topics, promoting river clean ups, rain barrel workshops, and other training and volunteer activities in the area, giving presentations to general public and elected officials, promoting educational opportunities at 1000 Islands Environmental Center, and participating and promoting NEWSC panels, trainings, and regular meetings. Public Involvement action items for 2023 include:

Presentations/Discussions at Public Meetings

- MS4 Annual Report
- Stream Bank Erosion & Stream Restoration Project Update – Grignon Park Stream Restoration
- Company Woods UNPS Grant, Background, Authorization, Award
- Ann Street Underground Detention Project Background, Authorization, Award
- 2023 TMDL Implementation Plan Updates “Stormwater Management Plan of Action”
- NEWSC Presentation for River View Middle School at Field Days

Volunteer Opportunities Promoted/Supported

- Fox Wolf Watershed River Clean-Up Sites – 76 Participants at Kaukauna Sites
- Focus on the Fox – 150 participants 134 pounds of trash. Promoted on Fox 11

Trainings/Classes Promoted:

- 1000 Islands Environmental Center Program Guides

Illicit Discharge Detection and Elimination MS4 GP Section 2.3

The City's IDDE program includes outfall field screenings, cross connection inspections, documenting resident complaints and follow-up actions. Minor updates were made to this section of the City SWMP. The City and KU have been specifically checking for water softener discharge to sump pits during routine inspections for clear water connections to sanitary sewer. Residents are required to re-route the water softener discharge to sanitary sewer. IDDE action items for 2023 include:

- Inspected 1 municipal major/priority outfalls. All major and priority outfalls were previously inspected in 2022. Scheduled again in 2024/25.
- Issued 8 IDDE door hangers to address common issues including grass clippings. (additional tags were issued but not properly documented)
- Received and responded to 6 illicit discharge complaints.
- Issued Verbal Warning to Fox Valley Clean Air – Pressure washing into storm drain. - cleaned
- Issued Verbal Warning to Resident for concrete washout into storm drain. - cleaned
- Issued Verbal Warning to Resident for pet waste in storm drain – removed and cleaned.
- Issued fine to Fox Valley Clean Air – Pressure washing into storm drain. – cleaned, swept
- Updated the City MS4 map with new BMPs, outfall changes and new storm sewers installed.

Construction Site Pollution Control MS4 GP Section 2.4

The City Construction Site Pollution Control program includes review of permit applications and erosion control plans, conducting municipal site inspections, and enforcing the erosion control ordinance. The program also includes an educational component including educating permit applicants, designers, contractors, inspectors, and ordinance violators about City and DNR design and site management standards. Construction Site Pollution Control action items for 2023 include:

- Reviewed and issued 6 permits.
- Discussed ordinances and environmental design considerations with 5 site designers.
- Inspected 12 construction sites including six 2023 permitted sites still under construction. 61 total inspections.
- Issued 4 verbal warnings, 4 written warnings, to correct violations of erosion control ordinance.
- Continued policy of reviewing/permitting City construction sites based on the same criteria as private construction sites.
- Taylor Conger attended and completed NASECA Erosion Control & Stormwater Permit Compliance Training and Exam.

Post-Construction Storm Water Management MS4 GP Section 2.5

The City Post-Construction Site Pollution Control program includes review of permit applications, plans, maintenance agreements, tracking long-term maintenance of stormwater management facilities, and educating permit applicants, designers, contractors, inspectors, and facility owners. Post-Construction Site Pollution Control action items for 2023 include:

- Reviewed and issued permits for 3 construction sites with structural storm water BMPs
- Discussed ordinances and environmental design considerations with 5 site designers
- Visited/Inspected 2 private stormwater best management practices, include ponds and new bio-filters for which the City has a maintenance agreement
- Consulted with private home and business owners on management of existing stormwater bmp
- Contracted with McMahon Associates to provide a web portal, mailings, and tracking of Private BMPs in the City. This will help develop better tracking of private maintenance. Received 12 acknowledgements for private bmp inspections.

Pollution Prevention MS4 GP Section 2.6

The City Pollution Prevention program includes conducting routine inspections and maintenance of municipally owned structural BMPs, street sweeping, catch basin cleaning, apply road salt and deicers only as necessary to maintain public safety, properly manage leaves and grass clippings, conduct pollution prevention planning for municipal garage and storage areas (Storm Water Pollution Prevention Plan or SWPPP), and educate municipal employees about pollution prevention. Pollution prevention action items for 2023 include:

- Inspected 52 municipally operated/maintained BMPs
- Inspected 2 privately operated/maintained BMP
- Compiling a bmp maintenance list for DPW – Prioritized based on severity. Need to evaluate hiring out maintenance, adding additional staff, or implementing different strategies, to better maintain stormwater facilities.
- Improved pond banks at Dog Park Pond, filling muskrat holes and removing significant woody vegetation in addition to minor brush removal and filling at five ponds.
- Grignon streambank restoration project 2022/23 along unnamed tributary to Fox River is completed - **TMDL Action Item / Grant Item**
- Completed Approximately 75% of the Ann Street Underground Detention - **TMDL Action Item**
- Conducted inspections at Department of Public Works and 1 inspection of the compost site.
- Street Sweeper removed approximately 403 tons of material from streets and parking lots. Need to evaluate additional sweeper operation to maintain TMDL schedule compliance.
- Conducted leaf collection throughout the City, followed by street sweeping; 6 weeks, approximately 5,875 cubic yards of leaves collected.
- Cleaned catch basin sumps – Collected approximately 9 yards material from 190 sumps.

- Collected leaves, yard waste, and branches at new waste disposal site.
- Conducted Spring Clean-up, Fall Clean-Up Weeks
- Conducted two free curbside tire collection – April and October Over 23 tons (Approx 900 tires)
- Provided snow and ice control on approximately 175 lane-miles
- Managed de-icer usage with calibration, pre-wetting, pre-treating with brine, and proper timing of salt applications.
- 15 Staff attended Salt-Wise Winter Maintenance for Roads Training on October 24, 2023.
- Conducted three quarterly meetings with all DPW Staff including Stormwater Academy, Park Maintenance and Stormwater Protection, and Leaf Free Streets.
- Contracted with McMahon Associates for management/monitoring of multiple ponds, fish spawning, wetland, prairie, and stream mitigation sites.
- Contracted for nuisance wildlife management at 6 City ponds (95 muskrats trapped)
- Built and implemented new brine equipment for use on trails and walks to reduce salt needed.
- John Neumeier attended the Fox-Wolf Watershed Conference and maintained regular involvement on the NEWSOC Municipal Committee.
- City and Kaukauna Utilities held an Electronics Recycling Event – 4/22/23, collecting 22,752 pounds of recyclable material.
- City Police Department has a drug take-back drop box and held two Drug Take-Back Days in April and October 2023. 641 lbs of prescription and non-prescription drugs were collected and turned over to DOC for destruction.

Stormwater Quality and MS4 Map Updates GP Section 2.7-2.8

An updated 2023 City MS4 Map is submitted with the annual report and is available online. Changes include the following:

Storm Sewer:

- **Additions/Updates:**
Bluestem Meadows 3

Outfalls:

- **Additions:**
Outfall from Bluestem Meadows 3

Best Management Practices:

- Bluestem Meadows 3 Pond

Overall Program Observations and Considerations

- Evaluating GIS based inspection software for better documentation.
- Evaluating the need to add staff for stormwater compliance.
- Working with Outagamie County and WisDOT on agreements for stormwater management.