

CITY OF PEWAUKEE
ANNUAL REPORT TO
THE DEPARTMENT OF NATURAL RESOURCES
IN ACCORDANCE WITH
NR216 PERMIT REQUIREMENTS

SUBMITTED MARCH 31, 2025

Illicit Discharge Detection and Elimination/Spills Response Program

Description of Program

The purpose of the Illicit Discharge Detection and Elimination program as well as the Spills Response program is to prevent harmful substances from entering the City's Municipal Separate Storm Sewer System (MS4) and being discharged to waters of the state. The Illicit Discharge Detection and Elimination program incorporates field screening procedures of 20 major outfalls for the purpose of detecting, investigating, and eliminating discharges to the MS4 system which are not entirely composed of storm water. The Spills Response program is a procedure for responding to, investigating and remediating material spills which could enter the City's MS4 system.

Measurable Goals

Perform field screening of the City's major outfalls to determine if illicit discharges are occurring, document the findings, trace any illicit discharges to the source and have the source removed. The measurable goal of the Spills Response program is to document and report on the spills reported to the City and to ensure the spills are mitigated.

Results Achieved

City staff performed biannual field screening of the 20 major outfalls identified in its plan. No illicit discharges were detected during the inspections.

The City of Pewaukee Fire Department (PFD) responded to 3 incidents in the City of Pewaukee. One of the incidents occurring in the City of Pewaukee involved a small fuel spill underneath a tree service's skid steer. The second incident was for a reported spill at a service station; however, no hazard was found. The third was for a vehicle accident with one vehicle leaking fluids. Oil dry and brooms were used to clean up the hazard in both instances where leaking fluids were found.

City Staff responded to one spill during the reporting year. The spill occurred on Virginia Drive while a contractor was refueling a piece of construction equipment. Several gallons of diesel fuel were spilled onto the pavement. The contractor contained the spill by dumping traffic bond and soil onto the spill and removing the material from the site. The remaining residue was pressure washed from the surface.

Describe Any Planned Changes to the Program

In conjunction with the requirements stemming from the WDNR's audit of the City's MS4 program, the City entered a contract with AECOM to prepare a city-wide comprehensive storm water management plan. The planning effort includes a re-evaluation of the IDDE dry weather screening outfalls and an updated MS4 map. The program re-evaluation will be consistent with the recommendations provided in the WDNR program guidance document 3800-2012-01. The planning effort is anticipated to be completed in late 2025.

By May 1, 2027, the written program will be revised to comply with the conditions of the City's new WPDES permit issued on November 1, 2024. The updated program will describe the dry weather outfall screenings, the investigation and elimination procedures, enforcement response procedures, and staff training. Additionally, the program will include a measurable goal(s) and the metrics used to evaluate attaining this goal(s).

Construction Site Pollutant Control Program

Description of Program

The City regulates land disturbing activity according to Chapters 14 and 19 of the Municipal code. Chapter 14 of the Municipal Code pertains to the design, construction, alteration, demolition and moving of buildings and structures within the City and associated land disturbing construction activities. The requirements of this chapter are regulated and enforced by the City's Building Inspection Department. Chapter 19 of the Municipal Code pertains to construction site erosion control, post construction site storm water management and illicit discharges. Regulation and enforcement of the requirements of this chapter are conducted by the City's Engineering Department. The construction site erosion control requirements of Chapter 19 of the Municipal Code are consistent with the provisions of NR 216 and the performance standards of NR 151 of the Administrative Code.

Measurable Goals

The Engineering Department and its consultants review proposed developments for conformance with the erosion control requirements of Chapter 19 of the Municipal Code and issues a Certificate of Permit Coverage for development plans meeting the requirements of the ordinance. The Engineering Department and its consultants also conduct weekly and post 0.5-inch rainfall event compliance inspections of permitted construction sites for the purpose of maintaining compliance with Chapter 19 of the Municipal Code. A report is generated for each inspection performed and is provided to the owner/designated representatives of the permitted site. The compliance inspection reports detail any maintenance to be performed, deficiencies noted and/or additional BMPs required to maintain compliance. Sites which are out of compliance are subject to enforcement which can include issuing Notices of Noncompliance, issuing Notices of Violation, issuing fines, posting stop work orders, requiring enforcement conferences and/or revoking permits.

The Building Inspection Department issues erosion control permits for land disturbing construction activities associated with buildings and structures. Inspections of the erosion control best management practices are performed on sites with disturbances less than 1 acre in area. Inspections are performed each time the Building Inspector is on a site having an erosion control permit.

Results Achieved

The Engineering Department issued six erosion control permits for new development and conducted approximately 657 compliance inspections of permitted sites in 2024. Four Notices of Noncompliance and one Notice of Violation were issued during the reporting year. This resulted in recommendations for fines of approximately \$9500.00. City Staff (not including consultant time) spent approximately 479 hours conducting inspections, reviewing erosion control plans and reports, and enforcing the City's erosion control ordinance.

The Building Inspection Department conducted approximately 159 erosion control/erosion bond inspections in 2024.

Describe Any Planned Changes to the Program

By November 1, 2026, the written program will be revised to comply with the conditions of the City's new WPDES permit issued on November 1, 2024. The updated program will describe the erosion and sediment control plan review and permitting procedures, inspection procedures, enforcement procedures, and staff

training. Additionally, the program will include a measurable goal(s) and the metrics used to evaluate attaining this goal(s).

Post-Construction Site Storm Water Management Program

Description of Program

The City regulates post-construction site storm water management according to Chapter 19 of the Municipal code. The post-construction storm water management requirements are compliant with the applicable provisions of NR 216 and the performance standards contained in NR 151 of the Administrative Code regarding infiltration and TSS reductions. However, the City's ordinance is more restrictive than the performance standards contained in NR 151 in terms of the pre- and post-developed discharge rates from the site. The City's ordinance requires the peak discharge from the 1, 2, 10 and 100-year storm events from the post-developed site be at or below the peak discharge rates from the site under pre-settlement conditions. Post-construction site storm water management practices are required to be maintained, and the City requires a maintenance agreement be executed and recorded at the Waukesha County Register of Deeds for the perpetual maintenance of the practices.

Measurable Goals

The City reviews proposed development plans for conformance with the post-construction site storm water management requirements of Chapter 19 of the Municipal Code and issues a Certificate of Permit Coverage for development plans meeting the requirements of the ordinance.

Results Achieved

The City issued six permits for post-construction site discharges from new development in 2024. City Staff and consultants have conducted reviews of submittals for seven proposed developments and three existing developments for compliance with the post-construction site storm water management requirements of the Municipal Code during the reporting year. Staff also conducted 16 inspections of City owned BMP's and 26 inspections of privately owned best management practices (BMP's) during the reporting year. This program accounted for approximately 313 hours of City Staff time during the reporting period.

Describe Any Planned Changes to the Program

By November 1, 2026, the written program will be developed to comply with the conditions of the City's new WPDES permit issued on November 1, 2024. The program will describe the post-construction storm water management plan review and permitting procedures, BMP inspection and maintenance procedures, enforcement procedures, and include a BMP inventory. Additionally, the program will include a measurable goal(s) and the metrics used to evaluate attaining this goal(s).

Pollution Prevention Program

The City is required to implement a variety of programs under the Pollution Prevention criteria identified within its WPDES permit. These programs include:

1. Inspection, maintenance, and inventory of post-construction site storm water management facilities.
2. Catch basin cleaning program.
3. Street sweeping program.
4. Winter road management program.
5. Leaf management program.
6. SWPPP for municipal facilities.
7. Nutrient management plan for municipal properties with pervious surfaces over 5 acres.
8. Management procedures for unplanned water main discharges.
9. Other Reportable Results.

The following will provide a brief summary of each of the above programs, identify the measurable goals (if any), the results achieved and any planned program changes or improvements.

Inspection, Maintenance, and Inventory of Post-Construction Site Storm Water Management Facilities

Description of Program

This program shares considerable overlap with the Post Construction Site Storm Water Management Program and consists of an inventory of the existing storm water management facilities and ensuring the facilities are properly maintained to function according to the performance standards used for the design of the facility. The City owns seventeen municipal facilities between Wagner Park (2 wet ponds and a biofiltration basin), the City Hall Campus (1 biofiltration basin), the new DPW Facility (2 wet detention ponds, a bio-retention basin and 2 infiltration swales), Duplainville Road right-of-way (2 biofiltration basins), Hill-N-Dale subdivision (1 dry detention pond), Kathryn Court (1 bio-retention basin) and the Pewaukee Sports Complex (2 wet detention ponds, 1 dry detention pond and 1 infiltration basin). As of this reporting year, only the BMPs at the City Hall Campus, the new DPW Facility, the Pewaukee Sports Complex and the 2 biofilters in Duplainville Road are required to comply with Chapters NR 151 and NR 216 of the Administrative Code.

Measurable Goals

In 2010 the City identified through aerial photographs approximately 192 facilities within the municipal boundaries that were potential storm water BMPs implemented to control post-developed discharges and/or provide for a TSS reduction. A significant amount of information still needs to be collected from available City records to complete the inventory and conduct inspections of these facilities.

The inventory includes such items as the location, general condition, age, and ownership of each facility; whether a long-term maintenance agreement exists for the facility; the general design of the facility; results of any previous inspections; and completion of any previously recommended maintenance and repairs.

The City is required to inspect and maintain the BMPs on municipal property that are necessary to comply with Chapters NR 151 and NR 216 of the Administrative Code. City Staff also inspect the other facilities to

ensure they are generally in good condition and meet the storm water management requirements for discharge and/or water quality at the time of their construction.

Results Achieved

As indicated previously, City Staff have begun and continue to locate and compile available data on the existing storm water management facilities that have been constructed over the years. To date, approximately 30 pond asbuilts, 47 maintenance agreements and 111 storm water management plans have been located and scanned into the City's network. Approximately 129 facilities have been added to the City's basin inventory in GIS.

Sixteen municipal facilities were inspected by City Staff during the reporting period. City Staff also conducted 26 inspections of privately owned storm water management ponds and received reports from private facility owners covering an additional fourteen inspections during the reporting period.

Describe Any Planned Changes to the Program

The completion of the inventory will be completed by November 1, 2026, in conjunction with the post construction site storm water management program. This program will also be merged with the Post-Construction Ste Storm Water Management Program.

Catch Basin Cleaning Program

Description of Program

The City identified twelve catch basins along Peterson Drive in 2005 to be inspected and cleaned annually when the program proposal was initially created. This list has been expanded to include: an additional 65 catch basins along Green Road which were installed as a part of a road construction project in 2013; and an additional 28 catch basins and manholes with sumps installed as a part of the reconstruction of Duplainville Road in 2022. Reported under this program is the maintenance and repair of the City's existing storm sewer structures.

Measurable Goals

To ensure the continued function of the MS4 system and to remove sediment deposits from the system.

Results Achieved

Approximately 24 tons of solids were removed as a result of catch basin cleaning in 2024. The cleaning included 41 structures (catch basins and inlets) and associated storm sewer in Petersons Drive, Water Street, Lela Avenue, Platt Street, Woodland Drive, Elm Avenue, Lakeview Boulevard, and Rocky Point Road. Additionally, 23 storm sewer structures were repaired during the reporting period. Repairs were conducted through a combination of City Highway Staff and City contracted projects.

Describe Any Planned Changes to the Program

By May 1, 2027, an updated written program will be submitted to the WDNR that describes the program, identifies the methodology and equipment used, includes a schedule and frequency of catch basin cleaning and identifies where the collected material is stored and the location of the final disposal. The program will also include a description of the training and the participants involved in the program.

Street Sweeping Program

Description of Program

The City Highway Department is responsible for the sweeping of the City Streets. The current program consists of sweeping all City streets once in the spring (as soon as the snow melts) and sweeping all City streets once in the fall with a curb and gutter cross-section. City streets around the lake are swept more frequently in the fall to keep leaves out of the storms sewer system. Additionally, City crews sweep arterial streets once per week for 1.5 months in the spring (as soon as the snow cover permits). As of 2024, the City had approximately 95.63 miles (191.3 lane miles) of roadways, of which approximately 44.0 miles (88.0 lane miles) were of a rural cross-section and 50.6 miles (103.3 lane miles) were of an urban cross-section. An urban cross-section is typified as having curb and gutter on either side of the street while a rural cross-section is typified as having gravel shoulders and open ditches on either side of the street. Approximately 1.9 miles (3.8 lane miles) of municipal roadways were designated as arterial.

Measurable Goals

To remove sediment and debris from the road surface and gutter line prior to being transported by runoff into the City's MS4 system.

Results Achieved

Approximately 140.3 hours were spent sweeping 916.4 lane miles of streets in 2024. This effort removed approximately 51 tons of solids prior to entering the City's MS4 system.

Describe Any Planned Changes to the Program

By May 1, 2027, the written program will be updated and submitted to the WDNR describing the methodology and equipment used; will include a schedule and frequency of street sweeping; and identify where the collected material is stored and where the material will be disposed of. The program will also include a description of the training, and the participants involved in the program.

Winter Road Management Program

Description of Program

The winter road management program prescribes the methodologies and guidelines for the removal and control of snow and ice buildup on the City's streets. The City Highway Department is responsible for establishing the procedures, methods, equipment, and labor to implement the program. Details of the program evolve coincident with the evolution of technology and experience within the department regarding snow and ice removal.

Measurable Goals

The goal of the program is to maintain the roadway in a safe driving condition within the limitations of resources, climactic conditions, preservation of the driving surface and environmental concerns. In balancing these concerns, the department is recommended to strive for "passable roadway" conditions on the driving lanes during the storm event. A "passable roadway" is defined as a roadway surface that is free from drifts, snow ridges and as much ice and snowpack as is practical that can be traveled safely at reasonable speeds.

Secondary to maintaining safe driving conditions is the reduction of the amount of salt used during a winter storm event. To this extent the City has invested in equipment which allows for the use of a salt

brine for pre-wetting of salt or as a stand-alone pre-treatment of the pavement surface. As a stand-alone pre-treatment, salt brine helps to prevent ice/snow from bonding to the pavement surface, thereby providing for easier removal during plowing operations. When used to pre-wet dry salt prior to application to a pavement surface, the brine helps to maintain the salt on the pavement surface rather than be displaced into the ditch or curb line. In either case the salt brine is anticipated to reduce the amount of dry salt required to achieve a "passable roadway."

The equipment utilized by the Highway Department is calibrated annually. Salt applications are set based upon the ground speed of the vehicle and the temperature of the pavement. The brine solution used for pre-wetting the salt is set not to exceed 10 gallons per ton with 8 gallons per ton being typical.

Results Achieved

The Highway Department maintains records of each event during the winter season which includes the amount of product used, pertinent weather data, hours worked, number of trucks in service and other measurable data. These records are maintained for the purpose of evaluating the program on a yearly basis. Snowfall totals used in this evaluation are taken from the weather station at Milwaukee International Airport.

The amount of salt used for a given event or season is highly variable and dependent on a variety of conditions such as but not limited to air temperature; pavement temperature; type of precipitation; intensity of storm; the miles of road to be maintained; and the number of events each year. It is therefore difficult to evaluate whether the City's salt application is reduced by using salt brines for pre-wetting or as a stand-alone pre-treatment from year to year. Table 1 summarizes the City's salt use for the winter seasons beginning with the 2004-2005 winter season. A typical salt brine solution is composed of 23.3 % salt which yields approximately 2.5 pounds of salt per gallon of brine.

The City implemented the use of salt brines during the 2011-2012 winter season. Prior to the 2011-2012 winter season combinations of salt and salt/sand were used in conjunction with plowing for removal of ice and snow from the municipal streets. Average salt use from the 2004-2005 winter season through the 2010-2011 winter season was approximately 17.7 tons per lane mile. Since then, the average salt use has been 3.9 tons per mile less at 13.8 tons per lane mile. However, this simplistic evaluation is a little misleading as it does not consider the severity of the winter season, or the effort required by road crews to maintain a "passable roadway."

The Wisconsin DOT has created a Winter Severity Index (WSI) which it utilizes in evaluating the severity of the winter season in relation to its winter management program. The index considers factors such as the number of snow events, amount of snow, number of freezing rain events, storm durations, and number of incidents (frost runs, drifting and clean up). The Wisconsin DOT developed the WSI in 1995. Prior to the 2013-2014 winter season, index values ranged from 0 to 100. Therefore, the higher the index value, the more severe the winter season and the lower the index value the milder the winter season. The Wisconsin DOT revised the WSI in the 2013-2014 winter season to provide results which are scaled and compared to the average of the 5 previous winters; the value of which is set as 100. Therefore, values in excess of 100 indicate a severer than average winter and values less than 100 indicate a milder than average winter.

The statewide average WSI is shown in Table 2 for each winter season. Included in Table 2 are values for the WSI for Waukesha County as well. Previously, values for the Waukesha County WSI from 2010 to 2013 were only given in the previous index (weighted from 0 to 100) with the remainder provided in the revised

index. The values shown for Waukesha County in Table 2 for those years before the revised index were extrapolated based upon the statewide average values which were available in both versions of the index.

Table 1. City of Pewaukee Salt Use for Winter Road Management.

Winter Season	Tons of Salt	Gallons of Salt Brine	Total Tons of Salt	Lane Miles of Roads	Tons of Salt/lane mile
2004-2005	1584*	NA	1584*	160.6	9.9
2005-2006	2995*	NA	2995*	162.8	18.4
2006-2007	4199*	NA	4199*	167.0	25.1
2007-2008	4287*	NA	4287*	172.8	24.8
2008-2009	2808*	NA	2808*	175.9	16.0
2009-2010	1995*	NA	1995*	176.3	11.3
2010-2011	3203**	NA	3203**	176.4	18.2
2011-2012	1540	14200	1558	176.6	8.8
2012-2013	3520	22679	3548	177.0	20.0
2013-2014	3160	11490	3174	176.8	18.0
2014-2015	2390	4800	2396	179.4	13.4
2015-2016	1865	5100	1871	183.0	10.2
2016-2017	2900	11225	2914	183.0	15.9
2017-2018	3365	5650	3372	184.3	18.3
2018-2019	3365	9070	3376	184.3	18.3
2019-2020	2450	7750	2460	184.3	13.4
2020-2021	2240	7819	2250	185.2	12.2
2021-2022	2060	4500	2066	185.2	11.2
2022-2023	2550	11245	2564	188.7	13.6
2023-2024	1960	4238	1965	190.4	10.3
2024-2025	1760	5414	1767	191.3	9.2

*Total may include salt and salt/sand mixture. **Total includes salt and salt/sand mixture.

The approximate total snowfall per season and the number of measurable snow events are taken from the Mitchell International weather station in Milwaukee. The average snowfall is based upon the total snowfall for the season divided by the number of measurable events.

Figure 1 compares the Winter Severity Index for the statewide average and Waukesha County versus the salt usage for the City of Pewaukee and Waukesha County in tons of salt per lane mile. Overall, the WSI generally coincides with the amount of salt utilized per lane mile to maintain the City’s streets in a

passable condition for a winter season. The WSI for the 2024-2025 winter season will not be available until the Wisconsin DOT publishes its Annual Winter Maintenance Report, usually at the end of the year.

The statewide average WSI for the 2023-2024 winter season was 58.7 which indicates a below average winter season for the state as a whole. The WSI for Waukesha County was 70.5 which indicates a below average winter for the county.

As of the writing of this report, the salt use for the 2024-2025 winter season is calculated to be 198 tons less than the previous season with approximately 1767 total tons of salt used. This translates to approximately 9.2 tons per lane mile of salt applied to City Streets which is 1.1 tons per lane mile less than the previous year.

Waukesha County was reported to have utilized approximately 9.2 tons of salt/lane mile for the 2023-2024 winter season which was 1.1 tons per lane mile less than the City of Pewaukee's application over the same period. The average application for the City of Pewaukee from beginning the use of salt brines in the 2011-2012 winter season to 2023-2024 winter season is approximately 14.1 tons per lane mile. This is approximately 1.3 tons per lane mile less than the average 15.4 tons per lane mile for Waukesha County for the same period. The winter management summary tables for the last 5 years of the program are included as Attachment B.

Describe Any Planned Changes to the Program

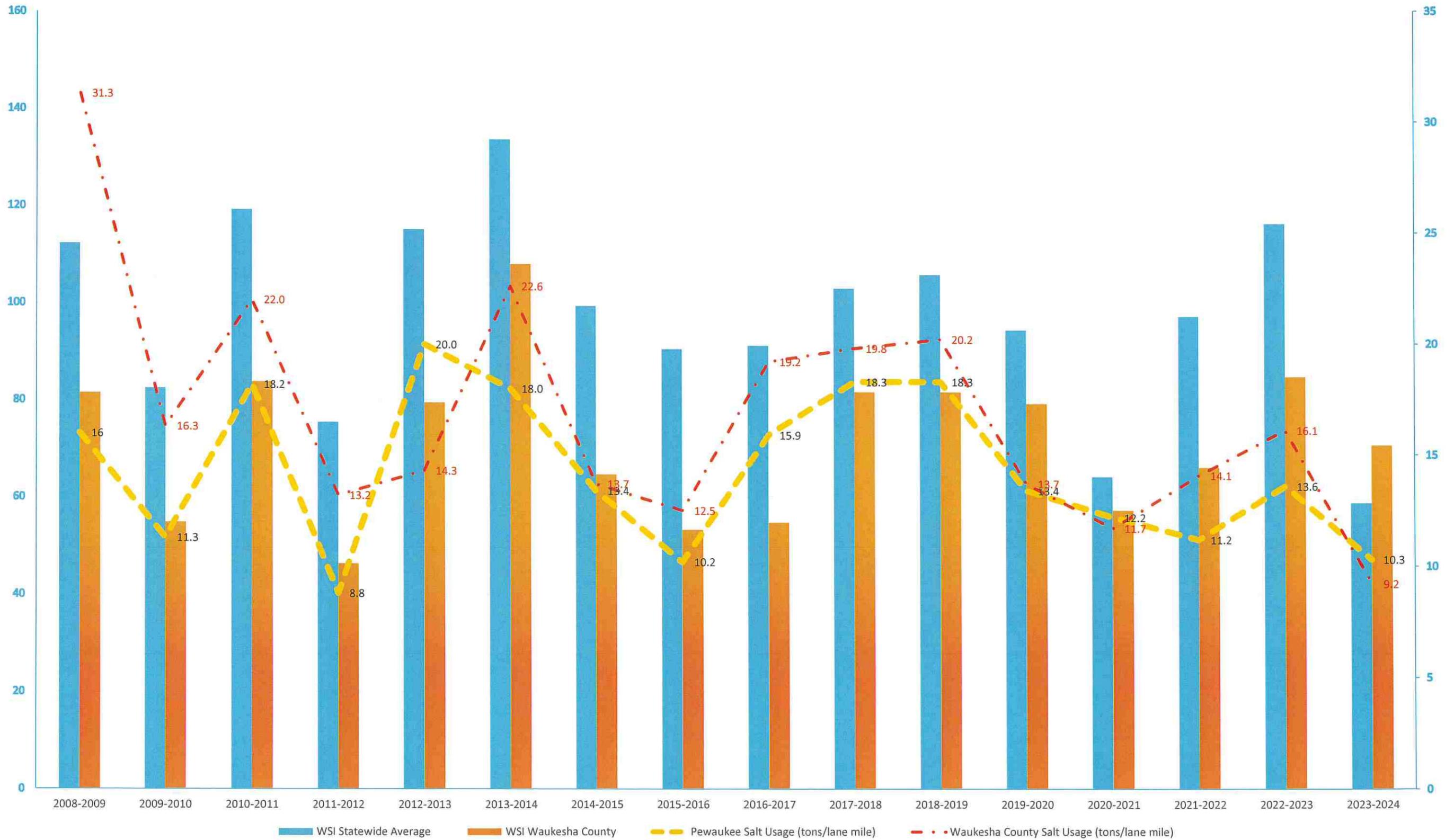
By May 1, 2027, the program will be updated to comply with the requirements of the City's new WPDES permit issued on November 1, 2024. To be included in the updated program will be a description of the semiannual training on the City's salt reduction strategy and the staff who will attend as well documenting the annual calibration procedures of the equipment.

Table 2. Comparison of Winter Seasons and City of Pewaukee Salt Use.

Winter Season	2004-2005	2005-2006	2006-2007	2007-2008	2008-2009	2009-2010	2010-2011	2011-2012	2012-2013	2013-2014	2014-2015	2015-2016	2016-2017	2017-2018	2018-2019	2019-2020	2020-2021	2021-2022	2022-2023	2023-2024	2024-2025
Approx. Total Snowfall (inches)	47.1	37.9	58.1	99.1	76.0	38.3	61.9	29.6	45.0	63.4	43.0	39.1	37.6	46.7	55.8	36.7	47.8	28.6	52.4	32.6	30.1
Number of Measurable Events	33	34	28	50	39	29	45	26	31	52	38	25	23	36	40	31	29	26	31	17	28
Average Snowfall per event (inches)	1.4	1.1	2.1	2.0	1.9	1.3	1.4	1.1	1.5	1.2	1.1	1.6	1.6	1.3	1.4	1.2	1.6	1.1	1.7	1.9	1.1
Total Tons of Salt	1584~	2995~	4199~	4287~	2808~	1995~	3203*	1558	3548	3174	2396	1881	2914	3372	3376	2460	2250	2066	2564	1965	1767
Total Hours Worked	NA	NA	NA	NA	NA	NA	NA	596	1272	1863	903	812	1171	1215	1564	1213	1230	1123	1527	1329	965
Tons of Salt per Lane Mile of Road	9.9	18.4	25.1	24.8	16.0	11.3	18.2	8.8	20.0	18.0	13.4	10.2	15.9	18.3	18.3	13.4	12.2	11.2	13.6	10.3	9.2
Average Pavement Temp. (degrees F)	NA	NA	NA	NA	NA	NA	NA	NA	NA	19.8	20.1	25.6	25.3	23.1	26.4	28.3	22.8	21.0	24.3	19.3	24.6
WisDOT Statewide WSI	NA	NA	NA	NA	112.2	82.4	119.2	75.4	115.1	133.6	99.3	90.4	91.1	102.9	105.7	94.3	64.1	97.1	116.2	58.7	**
WSI for Waukesha County	NA	NA	NA	NA	81.4 ^a	54.8 ^a	83.7 ^a	46.3 ^a	79.4 ^a	107.9	64.6	53.2	54.7	81.5	81.5	79.1	57.2	66.0	84.6	70.5	**
Waukesha County Tons of Salt per Lane mile	21.9	18.6	24.1	39.5	31.3	16.3	22.0	13.2	14.3	22.6	13.7	12.5	19.2	19.8	20.2	13.7	11.7	14.1	16.1	9.2	**

~ Total may include salt and salt/sand mixture. *Total includes salt and salt/sand mixture. **Not determined at the time of reporting. ^aExtrapolated values to statewide index.

Figure 1 Winter Severity Index versus Salt Usage



Leaf Management Program

Description of Program

The City accepts leaves and grass clippings at the City Recycling Center drop off site located off Duplainville Road. Material collected at the site is taken to a facility in Menomonee Falls for composting. The City's waste hauler will also pick up leaves and grass clippings for a fee.

Measurable Goals

To provide an alternative means of disposing of leaves and grass clippings for the city residents as opposed to burning or dumping the debris into the City's right-of-way or ditches.

Results Achieved

In previous years yard waste was broken down into categories to determine the mass of leaves taken to the yard waste site. Similar to last year's reporting by Waukesha County, the mass of leaves collected is included in the total yard waste collected which was 566.1 tons of material. The City's waste hauler reported collecting approximately 2.4 tons of yard waste in 2024.

Describe Any Planned Changes to the Program

None at this time.

SWPPP for Municipal Facilities

Description of Program

The City's permit requires a storm water pollution prevention plan be prepared for municipal facilities with bulk storage piles, outdoor vehicle maintenance, fueling, outdoor material storage, uncovered dumpsters, composting and other areas which have the potential for contributing pollutants to waters of the state. The City had prepared an update to its Evaluation of Public Works Yard in 2011. The goal of the evaluation was to identify potential sources of non-point source pollution and provide recommendations to mitigate these sources. The City provided additional information in the 2015 annual report regarding planned projects to occur within the City "campus" site which would impact operations on site as well as potentially how storm water is managed. These planned projects included the construction of a new water tower, the construction of a new salt storage facility and repairs to City Hall and the highway garage. To date the new water tower and the repairs to City Hall and highway garage have been completed.

Measurable Goals

The goal of the program is to reduce non-point source pollutant loadings from municipal sites resulting from day-to-day operations. Annual inspections of the facilities are required to ensure good housekeeping practices and controls are in place to mitigate potential sources of nonpoint source pollution.

Results Achieved

An inspection of the new public works yard and the City Hall campus site was performed in 2024.

Describe Any Planned Changes to the Program

The City completed construction of a new public works facility in 2023 at W225N32101 Duplainville Road. The new location includes a new highway garage/maintenance building, a new salt storage facility, a yard waste/recycling location and refueling site. The completion of the new highway garage and the revisions to the operations of the current City Hall campus site will necessitate the preparation of a new SWPPP.

The SWPPP for the new facility was started in 2023 and will be completed in 2025. Revisions to the current City Hall campus site SWPPP are anticipated to be completed once the new uses and operations for the site have been designated.

Nutrient Management for Municipal Properties with Pervious Surfaces over 5 acres

Description of Program

The City has five parks with pervious areas over 5 acres: Balmer Park, Wagner Park, South Park, Nettesheim Park, and the Pewaukee Sports Complex.

The current practice for maintaining the turf areas in the City's Park system is to contract with a company specializing in turf maintenance to assess the condition of the fields and to apply treatments as recommended. Treatments are typically composed of one or more of the following products: Dimension 2EW (a post emergence herbicide); a Urea Nitrogen-Potash fertilizer 25-0-5; a Urea Nitrogen-Potash fertilizer 17-0-5; Trupower 3 (a selective post emergence herbicide); and Cool Power (a selective post emergence herbicide). In addition, the infields of existing baseball fields receive a non-phosphorous fertilizer treatment (composed of a 33-0-5 NPK ratio) three times a year. Mowing of the established turf areas occurs on a weekly rotation with mowing of the baseball infields occurring up to three times a week if necessary.

Measurable Goals

The goal of the program is to reduce the amount of nutrients (namely phosphorous) applied to the turf areas and to apply only what is required to maintain a vigorous growth of vegetation.

Results Achieved

The City's current practices and ordinance bans the use of fertilizers containing phosphorous except for the establishment of new turf areas or if soil tests confirm phosphorous is required.

Describe Any Planned Changes to the Program

It was the recommendation of the WDNR from the 2021 program audit to develop a written turf management program which would include language that a nutrient management plan based on appropriate soil testing be conducted if nutrients containing phosphorous are applied to turf areas over 5 acres.

Management Procedures for Unplanned Water Main Discharges

Description of Program

The City is required by permit to develop a program to mitigate discharges of sediment to its MS4 system from unplanned water main discharges otherwise known as "water main breaks." The program was developed for Water and Sewer Utility staff who may be responding to such incidents. The priority for staff responding to a water main break is to locate the source of the discharge and to isolate it, or in layman's terms to "shut it off" as quickly as possible. Temporary erosion control measures, if required, can then be employed to prevent sediment from entering the MS4 system or waters of the State. The program identifies potential erosion control measures that can be employed to contain/limit the discharge of sediment from a water main break.

Measurable Goals

The goal of the program is to reduce the amount of sediment entering the City's MS4 system or a water of the State from an unplanned water main discharge.

Results Achieved

No water main breaks occurred during the reporting period; however, three leaks were discovered. Two of the leaks were the result of a leaking saddles at the service connection to the main. The third was the result of a hydrant that separated from the hydrant lead. Unlike water main breaks which are generally instantaneous and obvious, a leak in the water system takes longer to detect and generally happens over a period of days. As such, the three leaks that occurred during the reporting year took one to ten days to detect and resulted in a loss of 16 million gallons of water.

Describe Any Planned Changes to the Program

None at this time.

Other Reportable Results

The City received its new WPDES permit on November 1, 2024. The new permit requires the same six minimum control measures and requires written programs for each control measure. New to the permit is the requirement that the written programs will include a measurable goal, describe how the goal was identified, the anticipated action the City will take to achieve the goal and the metrics which will be used to evaluate the success of its actions to meet the goal. A copy of the City's new permit is included in Attachment C.

Roadways within the City are comprised of a combination of rural cross sections and urban cross sections. Rural cross sections include roadside ditches to collect storm water runoff along with gravel shoulders and paved travel lanes. Urban cross sections include storm sewers and curbs and gutter to collect storm water runoff and paved travel lanes. The City of Pewaukee contains approximately 95.63 lineal miles of roads with approximately 44 miles of roads having a rural cross-section. Roadside swales need to be periodically cleaned of accumulated sediment to function properly. Each year the City's Highway Department cleans a portion of its roadside swales of sediment. Last year the Highway Department cleaned approximately 1508 feet of roadside swales which netted an estimated 178 tons of soil. The City also contracted for 3 construction projects which included approximately 9325 lineal feet of ditch improvements and 1743 feet of new culverts.

In addition to the storm sewer structures repaired or replaced during the year as reported under the Catch Basin Cleaning Program, the City cleaned and televised approximately 5166 lineal feet of storm sewer, lined approximately 2547 lineal feet of storm sewer with a cured in place pipe liner, and replaced 958 lineal feet of damaged storm sewer.

Worksheets for the Fiscal Analysis required as a part of the City's annual report are included in Attachment D.

Members of the City's Engineering Staff attended multiple erosion control and storm water management workshops and seminars during 2024. These included:

- NASECA-WI's 20th Annual Conference and Trade Show, February 20-21, 2024 (2 attendees)
- Waukesha County Storm Water Workshop, April 3-4, 2024 (1 attendee)

Public Education and Outreach and Public Involvement and Participation Programs

Description of Program

The City of Pewaukee along with other members of the Upper Fox River Watershed Group contract with Waukesha County to implement the public education and outreach and public involvement and participation programs as required by the Group WPDES permit. The County organizes the plan based upon a target audience. For each target audience a set of activities and goals are defined.

Attachment E contains the County's 2024 Activity Summary Report identifying the key components of last year's plan, the measurable goals and the results achieved. Also included is a copy of the County's proposed Three-Year Information and Education Plan for the City of Pewaukee.

City Staff work with our elected and Municipal officials regarding the City's municipal storm water discharge permit through discussions regarding: the function and need of the City's Storm Water Utility; budget hearings and discussions; discussion regarding potential changes to the City's MS4 permit; discussions related to capital improvement projects that impact storm water discharges; and discussions regarding enforcement of the City's post construction site storm water management and construction site erosion control ordinance. Additionally, road construction projects often include storm water conveyance and management improvements which are identified in the Engineer's Report for the project and are discussed at the project's public hearing.

City Staff knowledgeable of the MS4 permit requirements disseminate this knowledge internally as well as to the public through answering broad questions regarding the operations and maintenance of storm water BMP's; questions regarding what storm water utility fees are used for; answering drainage concerns; and discussions regarding how permit requirements impact internal job functions and the burden of reporting requirements. Beginning in 2022, the Public Works Department began holding a bi-annual meeting to discuss current and upcoming projects; address concerns and questions from staff; provide feedback; and to review operations.

Beginning in 2022 the Public Works Department began a biannual newsletter which is sent to all the property owners in the City and includes information on topics such as storm water pollution, Waukesha County's Adopt-A-Drain program, and winter salt usage. Information is also posted on the City's website such as tips regarding grass clippings (<https://www.cityofpewaukee.us/320/Tips-from-DPW>) as well as postings to the City's Facebook page (<https://www.facebook.com/cityofpewaukee>). Copies of the newsletter can be found in Attachment F.

City Engineering Staff have ongoing discussions educating contractors, developers and engineers regarding: the requirements of the City's construction site erosion control and post construction site storm water management ordinance; the City's Technical Standards; WDNR guidance documents, permit conditions and Technical Standards; and enforcement of post construction site storm water management and erosion control. The City's Construction Site Erosion Control, Post-construction Storm Water Management and Illicit Discharges Ordinance and Technical Standards are posted on the City's website.

Staff from Waukesha County and the City of Pewaukee conducted a storm water workshop directed at homeowner's associations to provide an understanding of the functions of the storm water best management practices for the development and how to maintain them. Approximately 25 people from seven homeowner's associations attended the workshop. City staff received numerous calls resulting from the workshop requesting copies of the presentations, answering questions regarding maintenance and

requests to inspect the existing BMP's in two subdivisions. Copies of the presentations are included in Attachment G.

Attachment A

WDNR eReporting System Annual Report

Submittal of Annual Reports and Other Compliance Documents for Municipal Separate Storm Sewer System (MS4) Permits

NOTE: Missing or incomplete fields are highlighted at the bottom of each page. You may save, close and return to your draft permit as often as necessary to complete your application. After 120 days your draft is **deleted**.

Form 3400-224(R8/2021)

Reporting Information :

Will you be completing the Annual Report or other submittal type? Annual Report Other

Project Name: 2024 Annual Report

County: Waukesha

Municipality: Pewaukee, City

Permit Number: S050105

Facility Number: 30726

Reporting Year: 2024

Is this submittal also satisfying an Urban Nonpoint Source Grant funded deliverable? Yes No

Required Attachments and Supplemental Information

Please complete the contents of each tab to submit your MS4 permit compliance document. The information included in this checklist is necessary for a complete submittal. A complete and detailed submittal will help us review about your MS4 permit document. To help us make a decision in the shortest amount of time possible, the following information must be submitted:

Annual Report

- Review related web site and instructions for [Municipal storm water permit eReporting](#) [Exit Form]
- Complete all required fields on the annual report form and upload required attachments
- Attach the following other supporting documents as appropriate using the attachments tab above
 - Public Education and Outreach Annual Report Summary
 - Public Involvement and Participation Annual Report Summary
 - Illicit Discharge Detection and Elimination Annual Report Summary
 - Construction Site Pollution Control Annual Report Summary
 - Post-Construction Storm Water Management Annual Report Summary
 - Pollution Prevention Annual Report Summary
 - Leaf and Yard Waste Management
 - Municipal Facility (BMP) Inspection Report
 - Municipal Property SWPPP
 - Municipally Property Inspection Report
 - Winter Road Maintenance
 - Storm Sewer Map Annual Report Attachment
 - Storm Water Quality Management Annual Report Attachment
 - TMDL Attachment
 - Storm Water Consortium/Group Report

- Municipal Cooperation Attachment
- Other Annual Report Attachment

- Attach the following permit compliance documents as appropriate using the attachments tab above
 - Storm Water Management Program
 - Public Education and Outreach Program
 - Public Involvement and Participation Program
 - Illicit Discharge Detection and Elimination Program
 - Construction Site Pollutant Control Program
 - Post-Construction Storm Water Management Program
 - Pollution Prevention Program
 - Municipal Storm Water Management Facility (BMP) Inventory
 - Municipal Storm Water Management Facility (BMP) Inspection and Maintenance Plan
 - Total Maximum Daily Load documents (**if applicable, see permit for due dates.*)
 - TMDL Mapping*
 - TMDL Modeling*
 - TMDL Implementation Plan*
 - Fecal Coliform Screening Parameter *
 - Fecal Coliform Inventory and Map (*S050075-03 general permittees Appendix B B.5.2 – document due to the department by March 31, 2022*)
 - Fecal Coliform Source Elimination Plan (*S050075-03 general permittees Appendix B - document due to the department by October 31, 2023*)

- Sign and Submit form

Municipal Contact Information- Complete

Notice: Pursuant to s. NR 216.07(8), Wis. Adm. Code, an owner or operator of a Municipal Separate Storm Sewer System (MS4) is required to submit an annual report to the Department of Natural Resources (Department) by March 31 of each year to report on activities for the previous calendar year ("reporting year"). This form is being provided by the Department for the user's convenience for reporting on activities undertaken in each reporting year of the permit term. Personal information collected will be used for administrative purposes and may be provided to the extent required by Wisconsin's Open Records Law [ss. 19.31-19.39, Wis. Stats.].

Note: Compliance items must be submitted using the Attachments tab.

Municipality Information

Name of Municipality: Pewaukee, City

Facility ID # or (FIN): 30726

Updated Information: Check to update mailing address information

Mailing Address: W240N3065 Pewaukee Road

Mailing Address 2:

City: Pewaukee, City

State: WI

Zip Code: 53072 xxxxx or xxxxx-xxxx

Primary Municipal Contact Person (Authorized Representative for MS4 Permit)

The "Authorized Representative" or "Authorized Municipal Contact" includes the municipal official that was charged with compliance and oversight of the permit conditions, and has signature authority for submitting permit documents to the Department (i.e., Mayor, Municipal Administrator, Director of Public Works, City Engineer).

Select to **create new** primary contact

First Name: Magdelene

Last Name: Wagner

Select to **update** current contact information

Title: Director of Public Works

Mailing Address: W240N3065 Pewaukee Road

Mailing Address 2:

City: Pewaukee

State: WI

Zip Code: 53072-4044 xxxxx or xxxxx-xxxx

Phone Number: 262-691-0804 Ext: xxx-xxx-xxxx

Email: wagner@pewaukee.wi.us

Additional Contacts Information (Optional)

- I&E Program
- IDDE Program
- IDDE Response Procedure Manual

**Individual with responsibility for:
(Check all that apply)**

- Municipal-wide Water Quality Plan
- Ordinances
- Pollution Prevention Program
- Post-Construction Program
- Winter roadway maintenance

First Name: Richard

Last Name: Wirtz

Title: Chief Engineer-Utili

Mailing Address: W240N3065 Pewaukee Road

Mailing Address 2:

City: Pewaukee

State: WI

Zip Code: 53072 xxxxx or xxxxx-xxxx

Phone Number: 262-691-0804 Ext: xxx-xxx-xxxx

Email: wirtz@pewaukee.wi.us

Municipal Billing Contact Person (Authorized Representative for MS4 Permit)

Select to **create new** Billing contact

First Name: Magdelene

Last Name: Wagner

Select to **update** current contact information

Title: Director of Public Works

Mailing Address: W240N3065 Pewaukee Road

Mailing Address 2:

City: Pewaukee

State: WI

Zip Code: 53072 xxxxx or xxxxx-xxxx

Phone Number: 262-691-0804 Ext: xxx-xxx-xxxx

Email: wagner@pewaukee.wi.us

1. Does the municipality rely on another entity to satisfy some of the permit requirements?

Yes No

Public Education and Outreach Waukesha County

Public Involvement and Participation Waukesha County

Illicit Discharge Detection and Elimination

Construction Site Pollutant Control

Post-Construction Storm Water Management

Pollution Prevention

2. Has there been any changes to the municipality's participation in group efforts towards permit compliances (i.e., the municipality has added or dropped consortium membership)?

Yes No

Minimum Control Measures- Section 1 : Complete**1. Public Education and Outreach**

- a. Does MS4 conduct any educational efforts or events independently (not with a group) Yes
 No
- b. How many total educational events were held during the reporting year:
- c. Were any of the public education and outreach delivery mechanisms conducted during the reporting year active or interactive? Yes No
- d. Please select all storm water topics, target audiences, and delivery mechanisms used in the reporting year

Public Education and Outreach Delivery Mechanisms (Active and Passive)	
Active/Interactive Mechanisms	Passive Mechanisms
<input checked="" type="checkbox"/> Education activities (school presentations, summer camps) <input checked="" type="checkbox"/> Information booth at event <input checked="" type="checkbox"/> Targeted group training (contractors, consultants, etc.) <input checked="" type="checkbox"/> Government event (public hearing, council meeting) <input checked="" type="checkbox"/> Workshops <input type="checkbox"/> Tours <input type="checkbox"/> Other: <input type="text"/>	<input checked="" type="checkbox"/> Passive print media (brochures at front desk, posters, etc.) <input checked="" type="checkbox"/> Distribution of print media (mailings, newsletters, etc.) via mail or email. <input checked="" type="checkbox"/> Media offerings (radio and TV ads, press release, etc.) <input checked="" type="checkbox"/> Social media posts <input checked="" type="checkbox"/> Signage <input checked="" type="checkbox"/> Website <input type="checkbox"/> Other: <input type="text"/>

Topics Covered	Target Audience
<input checked="" type="checkbox"/> Illicit discharge detection and elimination <input checked="" type="checkbox"/> Household hazardous waste disposal/pet waste management/vehicle washing <input checked="" type="checkbox"/> Yard waste management/pesticide and fertilizer application <input checked="" type="checkbox"/> Stream and shoreline management <input checked="" type="checkbox"/> Residential infiltration <input checked="" type="checkbox"/> Construction sites and post-construction storm water management <input checked="" type="checkbox"/> Pollution prevention <input checked="" type="checkbox"/> Green infrastructure/low impact development <input type="checkbox"/> Other: <input type="text"/>	<input checked="" type="checkbox"/> General Public <input type="checkbox"/> Public Employees <input checked="" type="checkbox"/> Residents <input type="checkbox"/> Businesses <input checked="" type="checkbox"/> Contractors <input checked="" type="checkbox"/> Developers <input type="checkbox"/> Industries <input checked="" type="checkbox"/> Public Officials <input type="checkbox"/> Other: <input type="text"/>

- e. Will additional information/summary of these education events be attached to the annual report?
 Yes No

If no, please provide additional comment in the brief explanation box below. *Limit response to 250 characters and/or attach supplemental information on the attachments page.*

In addition to the group education provided by Waukesha County, the City of Pewaukee was implementing an outreach plan specific to our community. This plan used our municipal website, social media, tax and utility billing to do messaging.

Minimum Control Measures - Section 2 : Complete**2. Public Involvement and Participation**

a. Permit Activities. Select all of the following topics the Permittee did to engage public participation and involvement.

Topics Covered	Target Audience	Estimated People Reached (Optional)	Regional Effort (Optional)
<input checked="" type="checkbox"/> MS4 Annual Report <input type="checkbox"/> Storm Water Management Program <input type="checkbox"/> Storm Water related ordinance <input checked="" type="checkbox"/> Other: <input type="text" value="HOA Storm Water Education"/>	<input checked="" type="checkbox"/> General Public <input type="checkbox"/> Public Employees <input checked="" type="checkbox"/> Residents <input type="checkbox"/> Businesses <input type="checkbox"/> Contractors <input type="checkbox"/> Developers <input type="checkbox"/> Industries <input checked="" type="checkbox"/> Public Officials <input type="checkbox"/> Other	11-50	<input type="radio"/> Yes <input checked="" type="radio"/> No

b. Volunteer Activities. Select all of the following audiences targeted for volunteer involvement and participation related to storm water.

NA (Individual Permittee)

Topics Covered	Target Audience	Estimated People Reached (Optional)	Regional Effort (Optional)
Volunteer Opportunity	<input checked="" type="checkbox"/> General Public <input type="checkbox"/> Public Employees <input checked="" type="checkbox"/> Residents <input type="checkbox"/> Businesses <input type="checkbox"/> Contractors <input type="checkbox"/> Developers <input type="checkbox"/> Industries <input type="checkbox"/> Public Officials <input type="checkbox"/> Other	101 +	<input checked="" type="radio"/> Yes <input type="radio"/> No

c. Brief explanation on Public Involvement and Participation reporting. *Limit response to 250 characters and/or attach supplemental information on the attachments page.*

Adopt-A-Drain has grown to 253 volunteers who have reported nearly 1.75 tons of material removed from local drains. Additionally, there were over 50 people who participated in Citizen Stream Monitoring at 29 sites around the County.

Minimum Control Measures - Section 3 : Complete**3. Illicit Discharge Detection and Elimination**

a.

- How many total outfalls does the municipality have?
- b. How many major outfalls does the municipality have?
- c. How many outfalls did the municipality evaluate as part of their routine ongoing field screening program?
- d. From the municipality's routine screening, how many were confirmed illicit discharges?
- e. How many illicit discharge complaints did the municipality receive?
- f. From the complaints received, how many were confirmed illicit discharges?
- g. How many of the identified illicit discharges did the municipality eliminate in the reporting year (from both routine screening and complaints)?

(If the sum of 3.c. and 3.e. does not equal 3.f., please explain below.)

- h. What types of regulatory mechanisms does the municipality have available to compel compliance with this program? Check all that are available and how many times each were used in the reporting year.

- Verbal Warning
- Written Warning (including email)
- Notice of Violation
- Civil Penalty/ Citation

Additional Information: _____

- i. Brief explanation on Illicit Discharge Detection and Elimination reporting. *If you marked Unsure for any questions above, justify the reasoning. Limit response to 250 characters and/or attach supplemental information on the attachments page.*

See attached City of Pewaukee Annual Report for more information.

Form 3400-224 (R8/2021)

Minimum Control Measures - Section 4 : Complete

4. Construction Site Pollutant Control

- a. How many total construction sites with one acre or more of land disturbing construction activity were active at any point in the reporting year?
- b. How many construction sites with one acre or more of land disturbing construction activity did the municipality issue permits for in the reporting year?
- c. How many erosion control inspections did the municipality complete in the reporting year (at sites with one acre or more of land disturbing construction activity)?
- d. What types of regulatory mechanisms does the municipality have available to compel compliance with this program? Check all that are available and how many times each

were used in the reporting year.

- Verbal Warning
- Written Warning (including email)
- Notice of Violation
- Civil Penalty/ Citation
- Stop Work Order
- Forfeiture of Deposit
- Other - Describe below

Enforcement Conference

e. Brief explanation on Construction Site Pollutant Control reporting . *If you marked Unsure for any questions above, justify the reasoning. Limit response to 250 characters and/or attach supplemental information on the attachments page.*

See attached City of Pewaukee Annual Report

Minimum Control Measures - Section 5 : Complete

5. Post-Construction Storm Water Management

a. How many new structural storm water management Best Management Practice (BMP) have received local approval ?

*Engineered and constructed systems that are designed to provide storm water quality control such as wet detention ponds, constructed wetlands, infiltration basins, grassed swales, permeable pavement,

b. Does the MS4 have procedures for inspecting and maintaining private storm water facilities? Yes No

c. If Yes, how many privately owned storm water management facilities were inspected in the reporting year ?
Inspections completed by private landowners should be included in the reported number.

d. Does the municipality utilize privately owned storm water management BMP in its pollutant reduction analysis? Yes No

e. Does MS4 have maintenance authority on these privately owned BMPs?
 Yes No

f. What types of enforcement actions does the municipality have available to compel compliance with the regulatory mechanism? Check all that apply and enter the number of each used in the reporting year.

- Verbal Warning
- Written Warning (including email)
- Notice of Violation
- Civil Penalty/ Citation

- Forfeiture of Deposit
- Complete Maintenance
- Bill Responsible Party
- Other - Describe below

loss of storm water utility credit

g. Brief explanation on Post-Construction Storm Water Management reporting . *If marked 'Unsure' on any questions above, justify your reasoning. Limit your response to 250 characters and/or attach supplemental information on the attachments page.*

See attached City of Pewaukee Annual Report

Minimum Control Measures - Section 6 : Complete

6. Pollution Prevention

Storm Water Management Best Management Practice Inspections Not Applicable

a. Enter the total number of "municipally owned" (i.e., publicly owned BMPs) or operated (i. e., privately owned BMPs) structural storm water management best management practices.

b. How many new municipally owned storm water management best management practices were installed in the reporting year ?

c. How many municipally owned (public) storm water management best management practices were inspected in the reporting year?

d. What elements are looked at during inspections (250 character limit)?

e. How many of these facilities required maintenance?

f. Brief explanation on Storm Water Management Best Management Practice inspection reporting. *If you marked Unsure for any questions above, justify the reasoning. Limit response to 250 characters and/or attach supplemental information on the attachments page.*

See attached City of Pewaukee Annual Report.

Public Works Yards & Other Municipally Owned Properties that require a stormwater pollution prevention plan (SWPPP)* Not Applicable

g. How many municipal properties require a SWPPP?

h. How many inspections of municipal properties have been conducted in the reporting year?

i. Have amendments to the SWPPPs been made?
 Yes No

j. If yes, describe what changes have been made. Limit response to 250 characters

and/or attach supplemental information on the attachment page:

- k. Brief explanation on Storm Water Pollution Prevention Plan reporting. *If you marked Unsure for any questions above, justify the reasoning. Limit response to 250 characters and/or attach supplemental information on the attachments page.*

See attached City of Pewaukee Annual Report.

* Any municipally owned property that has the potential to generate stormwater pollution should have a SWPPP. For example, if a municipal property stores compost piles, material storage, yard wastes, etc., outside and can contaminate stormwater runoff—a SWPPP is required.

Collection Services - *Street Sweeping Program* Not Applicable

- l. Did the municipality conduct street sweeping during the reporting year?
 Yes No
- m. If known, how many tons of material was removed?
- n. Does the municipality have a [low hazard exemption](#) for this material? Yes No
- o. If street sweeping is identified as a storm water best management practice in the pollutant loading analysis, was street cleaning completed at the assumed frequency?
 Yes - Explain frequency _____
 No - Explain _____
 Not Applicable

Collection Services - *Catch Basin Sump Cleaning Program* Not Applicable

- p. Did the municipality conduct catch basin sump cleaning during the reporting year? Yes No
- q. How many catch basin sumps were cleaned in the reporting year?
- r. If known, how many tons of material was collected?
- s. Does the municipality have a low hazard exemption for this material? Yes No
- t. If catch basin sump cleaning is identified as a storm water best management practice in the pollutant loading analysis, was cleaning completed at the assumed frequency?
 Yes- Explain frequency _____
 No - Explain _____
 Not Applicable

Collection Services - *Leaf Collection Program* Not Applicable

Winter Road Management Not Applicable

*Note: We are requesting information that goes beyond the reporting year, answer the best you can.

- aa. How many lane-miles of roadway is the municipality responsible for doing snow and ice control? (*One mile of a two-way road equals two lane miles.*)

ab. Provide amount of de-icing products used by month last winter season?

Solids (tons) (ex. sand, or salt-sand)

Product	Oct	Nov	Dec	Jan	Feb	Mar
Salt	0	120	560	380	700	0

Liquids (gallons) (ex. brine)

	Oct	Nov	Dec	Jan	Feb	Mar
Brine	0	0	2214	900	2300	0

ac. Was salt applying machinery calibrated in the reporting year? Yes No

ad. Have municipal personnel attended salt reduction strategy training in the reporting year? Yes No

Training Date	Training Name	# Attendance

ae. Brief explanation on Winter Road Management reporting. *If you marked Unsure for any questions above, justify the reasoning. Limit response to 250 characters and/or attach supplemental information on the attachments page*

See attached City of Pewaukee Annual Report.

Internal (Staff) Education & Communication

af. Has the municipality provided an opportunity for internal training or education to staff implementing the municipality's procedures for each of the pollution prevention program element? Yes No

If yes, describe what training was provided (250 character limit):

See attached City of Pewaukee Annual Report.

ag. Describe how the municipality has kept the following local officials and municipal staff aware of the municipal storm water discharge permit programs, procedures and pollution prevention program requirements.

Elected Officials

See Attached City of Pewaukee Annual Report.

Municipal Officials

See Attached City of Pewaukee Annual Report.

Appropriate Staff (such as operators, Department heads, and those that interact with public)

See Attached City of Pewaukee Annual Report.

ah. Brief explanation on Internal Education reporting. *If you marked Unsure for any questions above, justify the reasoning. Limit response to 250 characters and/or attach supplemental information on the attachments page.*

See Attached City of Pewaukee Annual Report.

7. Storm Sewer System Map

a. Did the municipality update their storm sewer map this year?

Yes No

If yes, check the areas the map items that got updated or changed:

Storm water treatment facilities

Storm pipes

Vegetated swales

Outfalls

Other - Describe below

b. Brief explanation on Storm Sewer System Map reporting. *If you marked Unsure for an question for any questions above, justify the reasoning. Limit response to 250 characters and/or attach supplemental information on the attachments page.*

See Attached City of Pewaukee Annual Report.

Final Evaluation - Complete**Fiscal Analysis**

Complete the fiscal analysis table provided below. For municipalities that do not break out funding into permit program elements, please enter the monetary amount to your best estimate of what funding may be going towards these programs.

Annual Expenditure Reporting Year	Budget Reporting Year	Budget Upcoming Year	Source of Funds
---	---------------------------------	--------------------------------	------------------------

Element: Public Education and Outreach

1466	1500	1500	<u>Storm water utility</u>
------	------	------	----------------------------

Element: Public Involvement and Participation

1466	1500	1500	<u>Storm water utility</u>
------	------	------	----------------------------

Element: Illicit Discharge Detection and Elimination

3930	3310	3470	<u>Storm water utility</u>
------	------	------	----------------------------

Element: Construction Site Pollutant Control

126730	45790	41316	<u>Other</u>
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Element: Post-Construction Storm Water Management

28510	45790	51316	<u>Other</u>
-------	-------	-------	--------------

Element: Pollution Prevention

2162386	3038502	2900467	<u>Storm water utility</u>
---------	---------	---------	----------------------------

Other (describe)

Storm Water Quality Managment			
-------------------------------	--	--	--

105935	225000	100000	<u>Storm water utility</u>
--------	--------	--------	----------------------------

Other (describe)

Storm Sewer System Map			
------------------------	--	--	--

0	5000	5000	<u>Storm water utility</u>
---	------	------	----------------------------

Please provide a justification for a "0" entered in the Fiscal Analysis. *Limit response to 250 characters.*

Water Quality

a: Were there any known water quality improvements in the receiving waters to which the

municipality's storm sewer system directly discharges to?

Yes No Unsure If Yes, explain below:

b: Were there any known water quality degradation in the receiving waters to which the municipality's storm sewer system directly discharges to?

Yes No Unsure If Yes, explain below:

c: Have any of the receiving waters that the municipality discharges to been added to the impaired waters list during the reporting year?

Yes No Unsure

d: Has the municipality evaluated their storm water practices to reduce the pollutants of concern?

Yes No Unsure

Storm Water Quality Management

a. Has the municipality completed or updated modeling in the reporting year (relating to developed urban area performance standards of s. NR 151.13(2)(b)1., Wis. Adm. Code)? Yes No

b. If yes, enter percent reduction in the annual average mass discharging from the entire MS4 to surface waters of the state as compared to implementing no storm water management controls:

Total suspended solids (TSS)

Total phosphorus (TP)

Additional Information

Based on the municipality's storm water program evaluation, describe any proposed changes to the municipality's storm water program. *If your response exceeds the 250 character limit, attach supplemental information on the attachments page.*

See attached City of Pewaukee Annual Report.

Requests for Assistance on Understanding Permit Programs

Would the municipality like the Department to contact them about providing more information on understanding any of the Municipal Separate Storm Sewer Permit programs?

Please select all that apply:

- Public Education and Outreach
- Public Involvement and Participation
- Illicit Discharge Detection and Elimination
- Construction Site Pollutant Control
- Post-Construction Storm Water Management
- Pollution Prevention
- Storm Water Quality Management
- Storm Sewer System Map
- Water Quality Concerns
- Compliance Schedule Items Due
- MS4 Program Evaluation

Required Attachments and Supplemental Information

Any other MS4 program information for inclusion in the Annual Report may be attached on here. Use the Add Additional Attachments to add multiple documents.

Upload Required Attachments (15 MB per file limit) - [Help reduce file size and trouble shoot file uploads](#)

*Required Item

Note: To replace an existing file, use the 'Click here to attach file ' link or press the to delete an item.

Storm Sewer System Map

 File Attachment

[Stormwater Data view.zip](#)

Attach - Other Supporting Documents

AR Other

 File Attachment

[20250331 City of Pewaukee Annual Report-reduced file size.pdf](#)

AR SWMap

 File Attachment

[North Central MS4 System.pdf](#)

AR SWMap

 File Attachment

[Northeast MS4 System.pdf](#)

AR SWMap

 File Attachment

[Northwest MS4 System.pdf](#)

AR SWMap

 File Attachment

[South Central MS4 System.pdf](#)

AR SWMap

 File Attachment

[Southeast MS4 System.pdf](#)

AR SWMap

 File Attachment

[Southwest MS4 System.pdf](#)

(To remove items, use your cursor to hover over the attachment section. When the drop down arrow appears, select remove item)

Attach - Permit Compliance Documents

(To remove items, use your cursor to hover over the attachment section. When the drop down arrow appears, select remove item)

Sign and Submit Your Application

Steps to Complete the signature process

1. Read and Accept the Terms and Conditions
2. Press the Submit and Send to the DNR button

NOTE: For security purposes all email correspondence will be sent to the address you used when registering your WAMS ID. This may be a different email than that provided in the application. For information on your WAMS account click [HERE](#).

Terms and Conditions

Certification: I hereby certify that I am an authorized representative of the municipality covered under Pewaukee, City MS4 Permit for which this annual report or other compliance document is being submitted, and that the information contained in this submittal and all attachments were gathered and prepared under my direction or supervision. Based on my inquiry of the person or persons under my direction or supervision involved in the preparation of this document, to the best of my knowledge, the information is true, accurate, and complete. I further certify that the municipality's governing body or delegated representatives have reviewed or been apprised of the contents of this annual report. I understand that Wisconsin law provides severe penalties for submitting false information.

Signee (must check current role prior to accepting terms and conditions)

- Authorized municipal contact using WAMS ID.
- Delegation of Signature Authority (Form 3400-220) for agent signing on the behalf of the authorized municipal contact.
- Agent seeking to share this item with authorized municipal contact (authorized municipal contact must get WAMS id and complete signature).

Name: Magdelene Wagner

Title: Director of Public Works/City Engineer

Authorized Signature.

- I accept the above terms and conditions.

Signed by : i:0#.f|wamsmembership|cityofpewaukee on 2025-03-31T14:36:11

You have already signed and submitted this application to the DNR. Please [contact the Wisconsin DNR](#) for assistance.

After providing the final authorized signature, the system will send an email to the authorized party and any agents. This email will include a copy to the final read only version of this application.

Attachment B

Winter Road Management Summary Tables

**Road Salt / Deicers Usage
City of Pewaukee**

2020-2021

Date(s) of Event	Activity	Salt Brine Used (gal)	Product Used (mix=salt/sand)	Amount of Product Used (Tons)	Air Temperature Range during event (°F)	Pavement Temperature Range during event (°F)	Precipitation Amount (inches)	Hours of Event (worked)	# of Drivers/# of Trucks	Hours of Post-Event Clean-Up	Other Information
	Brine	Salt									
October	0	0									
November	0	0									
December	2268	440									
January	4751	1000									
February	800	800									
March	0	0									

**Road Salt / Deicers Usage
City of Pewaukee
2021-2022**

Date(s) of Event	Activity	Salt Brine Used (gal)	Product Used (mix=salt/sand)	Amount of Product Used (Tons)	Air Temperature Range during event (F)	Pavement Temperature Range during event (F)	Precipitation Amount (Inches)	Hours of Event (worked)	# of Drivers/# of Trucks	Hours of Post-Event Clean-Up	Other Information
6-Dec-21	Salt	300	Salt	60	28	26	1	30	10	0	Light dusting
11-Dec-21	Salt	300	Salt	80	30	28	1	30	10	0	Light dusting
27-Dec-21	Plow	400	Salt	100	28	2	3	50	10	0	Fast mover
28-Dec-21	Plow	500	Salt	160	32	30	3	60	10	0	Slow mover
31-Dec-21	Salt	400	Salt	70	31	29	Ice	26	10	0	Light mist freezing to road surface
1-Jan-22	Plow	0	Salt	80	17	15	2	48	10	0	Plow and salt, snow continues
2-Jan-22	Plow	0	Salt	80	15	13	2	55	10	0	4 inches total from storm
5-Jan-22	Salt	200	Salt	80	19	24	1	30	10	0	Puffy light snow and winds to 40 mph
5-Jan-22	Plow	0	Salt	80	14	13	1	30	10	0	Same storm
6-Jan-22	Plow	0	Salt	80	13	11	1	44	10	0	Same storm
15-Jan-22	Plow	300	Salt	80	26	25	1	30	10	0	Fast mover
23-Jan-22	Plow	0	Salt	80	13	10	3	45	9	0	3 inches overnight with ice build up under snow
24-Jan-22	Plow	0	Salt	80	15	13	2	40	10	0	Slippery road conditions
24-Jan-22	Plow	0	Salt	60	15	13	1	60	10	0	Same storm; required full clean-up
4-Feb-22	Plow	300	Salt	60	24	22	2	50	10	0	Fast mover
7-Feb-22	Salt	400	Salt	60	23	21	Ice	40	10	0	Spaty icing of roadway
10-Feb-22	Salt	400	Salt	60	24	21	1	27	9	0	Light dusting
11-Feb-22	Salt	200	Salt	50	34	32	1	45	9	0	1 inch overnight
18-Feb-22	Plow	0	Salt	60	15	15	2	36	9	0	Fast snow squall with low visibility
19-Feb-22	Plow	0	Salt	60	10	13	0	36	9	0	High winds and ice
21-Feb-22	Salt	0	Salt	80	34	32	Ice	40	10	0	Very icy
22-Feb-22	Salt	0	Salt	80	31	30	Ice	40	10	0	Ice
22-Feb-22	Plow	0	Salt	80	30	29	Sleet	40	10	0	Sleet from same storm
22-Feb-22	Plow	200	Salt	80	28	26	Ice	40	10	0	Re-freezing from same storm
23-Feb-22	Plow	0	Salt	60	15	13	Hard pack ice	36	9	0	Re-freezing from same storm
25-Feb-22	Plow	300	Salt	60	23	21	5	50	10	0	Overnight fast mover
25-Feb-22	Plow	100	Salt	30	32	31	Slush run	20	8	0	Melting
7-Mar-22	Plow	200	Salt	70	32	30	Surt	45	10	0	Beginning of storm

Total Brine Used (gal) 4500 Total Salt Used (tons) 2060 Average Air Temp per Entry (deg F) 23.25 Average Pavement Temp. per Entry (deg F) 21 Number of Entries 28

Total Event Hours Worked 1123

**Road Salt / Deicers Usage
City of Pewaukee
2021-2022**

Date(s) of Event	Activity		Salt Brine Used (gal)	Product Used (mix=salt/sand)	Amount of Product Used (Tons)	Air Temperature Range during event (°F)	Favement Temperature Range during event (°F)	Precipitation Amount (inches)	Hours of Event (worked)	# of Drivers/# of Trucks	Hours of Post-Event Clean-Up	Other Information
	Brine	Salt										
October	0	0										
November	0	0										
December	1900	470										
January	500	700										
February	1900	820										
March	200	70										

**Road Salt / Deicers Usage
City of Pewaukee
2022-2023**

Date(s) of Event	Activity	Salt Brine Used (gal)	Product Used (mix-salt/sand)	Amount of Product Used (Tons)	Air Temperature Range during event (°F)	Pavement Temperature (°F)	Precipitation Amount (Inches)	Hours of Event (worked)	# of Drivers/# of Trucks	Hours of Post-Event Clean-Up	Other Information
15-Nov-22	Salt	0	SALT	80	36	36	2	26	10		All day snow
19-Nov-22	Salt	0	SALT	60	20	24	1	20	5		Varying amounts of snow throughout city
7-Dec-22	Salt	0	SALT	60	31	32	Ice	27	9		Freezing fog
9-Dec-22	Plow	0	SALT	60	30	32	3	30	10		Fast mover
9-Dec-22	Plow	0	SALT	40	32	31		25	10		Clean-up run
15-Dec-22	Plow	350	SALT	80	34	32	2	40	8		Wet and heavy snow
15-Dec-22	Plow	200	SALT	40	34	33		24	8		Clean-up run
16-Dec-22	Salt	200	SALT	60	34	32	1	24	6		Quick inch
16-Dec-22	Salt	200	SALT	60	30	29	1	27	9		Quick inch
19-Dec-22	Salt	0	SALT	40	26	27	Dusting	24	8		Very light snow but slippery
22-Dec-22	Plow	200	SALT	80	32	30	1	40	10		Beginning of blizzard
22-Dec-22	Plow	0	SALT	60	14	16	1	36	10		"BOMB CYCLONE"
22-Dec-22	Plow	0	SALT	40	-5	12	1	36	10		Blizzard is continuing 50+ winds
23-Dec-22	Plow	0	SALT	60	-13	2		40	10		Very windy drift run
23-Dec-22	Plow	0	SALT	50	-5	0		30	10		Very windy a lot drifting
24-Dec-22	Plow	0	SALT	70	8	14		50	10		Same stuff starting to break
26-Dec-22	Plow	0	SALT	50	24	18		36	9		Hard pack clean-up
4-Jan-23	Salt	300	SALT	80	30	31	1	36	9		Rain with snow mixed in
10-Jan-23	Salt	200	SALT	30	32	31	Ice	24	9		Freezing rain and fog
11-Jan-23	Salt	20	SALT	70	32	31	Ice	27	10		Freezing rain
18-Jan-23	Salt	0	SALT	30	36	34					Pre-salt all hills curves and intersections
18-Jan-23	Pre-wet	1325									Pre-wet all hills curves and intersections
19-Jan-23	Salt	300	SALT	60	35	33	Possible Ice	32	9		Rain and slush temps dropping
22-Jan-23	Salt	300	SALT	60	31	30	0.05	30	10		Light dusting
24-Jan-23	Pre-wet	1150									Pre-wet run
25-Jan-23	Plow	300	SALT	70	32	31	1	27	9		Fast mover
26-Jan-23	Plow	0	SALT	70	29	28	1	27	9		Fast mover
27-Jan-23	Salt	0	SALT	70	29	28	0.05	27	9		Dusting
28-Jan-23	Plow	300	SALT	70	31	30	4	32	9		Storm starting
29-Jan-23	Plow	300	SALT	80	32	30	4	50	10		Fast mover
30-Jan-23	Plow	200	SALT	60	22	21		45	10		Clean-up
16-Feb-23	Plow	300	SALT	70	28	26	6	50	10		Wet and heavy snow
16-Feb-23	Plow	300	SALT	60	24	22		40	10		Still snowing

**Road Salt / Deicers Usage
City of Pewaukee**

2023-2024

Date(s) of Event	Activity	Salt Brine Used (gal)	Product Used (mix=sal/sand)	Amount of Product Used (Tons)	Air Temperature Range during event (°F)	Range during event (°F)	Precipitation Amount (Inches)	Hours of Event (worked)	# of Drivers/# of Trucks	Hours of Post-Event Clean-Up	Other Information
	Brine	Salt									
October	0	0									
November	0	60									
December	0	80									
January	2770	1560									
February	1468	260									
March	0	0									

**Road Salt / Deicers Usage
City of Pewaukee
2024-2025**

Date(s) of Event	Activity		Salt Brine Used (gal)	Product Used (mix-salt/sand)	Amount of Product Used (Tons)	Air Temperature Range during event (°F)	Pavement Temperature Range during event (°F)	Precipitation Amount (inches)	Hours of Event (worked)	# of Drivers/# of Trucks	Hours of Post-Event Clean-Up	Other Information
	Brine	Salt										
October	0	0										
November	0	120										
December	2214	560										
January	900	380										
February	2300	700										
March	0	0										

Attachment C

WPDES Permit NO. WI-WI-S050105-4



**STATE OF WISCONSIN
DEPARTMENT OF NATURAL RESOURCES**

**PERMIT TO DISCHARGE UNDER THE WISCONSIN
POLLUTANT DISCHARGE ELIMINATION SYSTEM
WPDES PERMIT NO. WI- WI-S050105-4**

In compliance with the provisions of ch. 283, Wis. Stats., and chs. NR 151 and 216, Wis. Adm. Code, the Upper Fox River Watershed Group (comprised of the following municipalities):

**CITY OF PEWAUKEE – CITY OF WAUKESHA – TOWN OF BROOKFIELD
TOWN OF DELAFIELD – VILLAGE OF LISBON – VILLAGE OF WAUKESHA
VILLAGE OF PEWAUKEE – VILLAGE OF SUSSEX**

are permitted to discharge storm water from all portions of the

MUNICIPAL SEPARATE STORM SEWER SYSTEM

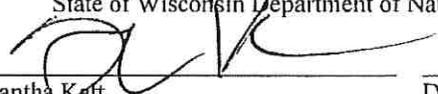
owned or operated by the Permittee to waters of the state in the following watersheds:

**FOX RIVER – SUSSEX CREEK – SPRING CREEK
LANNON CREEK – DEER CREEK – PEBBLE CREEK
BRANDY BROOK – POPLAR CREEK – PEWAUKEE RIVER
GENESEE CREEK – MILL BROOK – MILL CREEK
BARK RIVER – SCUPPERNONG CREEK – FRAME PARK CREEK
ZION CREEK – PEWAUKEE LAKE – SARATOGA LAKE**

This permit to discharge takes effect on November 1, 2024, and expires at midnight, October 31, 2029.

The Department is required to charge an annual permit fee to owners and operators authorized to discharge under this permit in accordance with s. 283.33(9), Wis. Stats., and s. NR 216.08, Wis. Adm. Code.

State of Wisconsin Department of Natural Resources For the Secretary

By 
Samantha Katt
Urban Storm Water Specialist

Nov 1, 2024
Date Permit Signed

PERMIT EFFECTIVE DATE: November 1, 2024 EXPIRATION DATE: October 31, 2029

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I. APPLICABILITY

A. PERMITTED AREA

This Wisconsin Pollution Discharge Elimination System (WPDES) permit regulates municipal separate storm sewer system (MS4) discharges from the following municipalities:

- City of Pewaukee
- City of Waukesha
- Town of Brookfield
- Town of Delafield
- Village of Lisbon
- Village of Waukesha
- Village of Pewaukee
- Village of Sussex

In this permit, these municipalities are referred to as the Permittee or Permittees. This permit covers all areas within the jurisdiction of the Permittee. This permit is issued in accordance with ch. 283, Wis. Stats. and chs. NR 151 and NR 216, Wis. Adm. Code.

B. AUTHORIZED DISCHARGES

This permit authorizes storm water point source discharges from the MS4 to waters of the state in the permitted area. This permit also authorizes the discharge of storm water co-mingled with flows contributed by process wastewater, non-process wastewater, and storm water associated with industrial activity, provided the discharges are regulated by and in compliance with other WPDES permits or are discharges which are not considered illicit discharges pursuant to Section II. C. 1 of this permit.

C. INDIVIDUAL RESPONSIBILITY

Each Permittee is responsible for:

1. Effectively prohibiting non-storm water discharges into the MS4 unless otherwise permitted by Section I. B.
2. Reducing pollutants to the maximum extent practicable (MEP). Compliance with this permit and implementation of the storm water management program establishes this MEP requirement.
3. Completing the Total Maximum Daily Load (TMDL) requirements in Section III.

D. SHARED RESPONSIBILITY

1. The implementation of one or more of the conditions of this permit by the Permittees may incorporate cooperative efforts with other MS4 regulated permittees or efforts by other groups or organizations provided the shared responsibilities meet all of the following conditions:
 - a) The other municipality or entity implements the required control measure or permit requirements.

- b) A particular control measure, or component thereof, is at least as stringent as the corresponding permit requirements.
- c) The other municipality or entity agrees to implement a control measure or permit requirement on the Permittee's behalf. This shall be shown by formal written agreement, signed by both parties' authorized representatives. The agreement shall be explicit as to which specific permit conditions are being covered by which municipality or other entity. Copies of current agreements shall be submitted with the annual report and to the Department upon request.

E. WATER QUALITY STANDARDS

1. This permit specifies the conditions under which storm water may be discharged to waters of the state for the purpose of achieving water quality standards contained in chs. NR 102 through 105, NR 140, and NR 207, Wis. Adm. Code. During the permit term, compliance with water quality standards will be addressed by adherence to the requirements of this permit, implementation of storm water management programs and practices, and modifications to practices when practices are determined not effective to achieve the aforementioned goals and standards.
2. This permit does not authorize water discharges that the Department, prior to authorization of coverage under this permit, determines will cause or have reasonable potential to cause or contribute to an excursion above any applicable water quality standards. Where such determinations have been made prior to authorization, the Department may authorize coverage under this permit where the storm water management programs required under this permit will include appropriate controls and implementation procedures designed to bring the storm water discharge into compliance with water quality standards.

F. OUTSTANDING AND EXCEPTIONAL RESOURCE WATERS

1. The Permittee shall determine whether any part of its MS4 discharges to an outstanding resource water (ORW) or exceptional resource water (ERW). ORWs and ERWs are listed in ss. NR 102.10 and 102.11, Wis. Adm. Code.

Note: An unofficial list of ORWs and ERWs may be found on the Department's Internet site at: <https://dnr.wi.gov/topic/SurfaceWater/orwerw.html>

2. The Permittee may not establish a new MS4 discharge of a pollutant to an ORW or an ERW unless the storm water management programs required under this permit are designed to ensure that any new MS4 discharge of a pollutant to an ORW or ERW will not exceed background concentration levels within the ORW or ERW.
3. If the Permittee has an existing MS4 discharge to an ORW, it may increase the discharge of pollutants, either at the existing point of discharge or a new location, provided all of the following are met:
 - a) The pollutant concentration within the receiving water and under the influence of the existing discharge would not increase as compared to the level that existed prior to coverage under this permit.

- b) The increased discharge would not result in a violation of water quality standards.
- c) If the Permittee has an existing MS4 discharge to an ERW, it may increase the discharge of pollutants if the increased discharge would not result in a violation of water quality standards.

G. WETLANDS

Permittee MS4 discharges shall comply with the applicable wetland water quality standards provisions in ch. NR 103, Wis. Adm. Code.

H. ENDANGERED AND THREATENED SPECIES

Permittee MS4 discharges shall comply with the endangered and threatened resource protection requirements of s. 29.604, Wis. Stats., and ch. NR 27, Wis. Adm. Code.

I. HISTORIC PROPERTY

Permittee MS4 discharges may not affect any historic property that is listed property, or on the inventory or on the list of locally designated historic places under s. 44.45, Wis. Stats., unless the Department determines that the MS4 discharge will not have an adverse effect on any historic property pursuant to s. 44.40(3), Wis. Stats.

J. IMPAIRED WATERBODIES

The requirements of this section apply to receiving waters listed as impaired on the 303(d) list without established TMDL wasteload allocations to which the Permittee discharge.

Each Permittee shall:

1. By March 31 of each even-numbered year thereafter, the Permittee shall determine whether any part of its MS4 discharges to an impaired water body listed in accordance with section 303(d)(1) of the federal Clean Water Act, 33 USC §1313(d)(1)(C), and the implementing regulation of the US Environmental Protection Agency, 40 CFR §130.7(c)(1).
2. Include a written section in its storm water management program that discusses the management practices and control measures it will implement as part of its program to reduce, with the goal of eliminating, the discharge of each pollutant of concern that contributes to the impairment of the waterbody. This section of the Permittee's program shall specifically identify control measures and practices that will collectively be used to eliminate the MS4's discharge of pollutant(s) of concern that contribute to the impairment of the waterbody and explain why these control measures and practices were chosen as opposed to other alternatives. Pollutant(s) of concern means a pollutant that is causing impairment of a waterbody.

Note: The Department maintains a searchable database of impaired waterways. This publicly accessible database is available at

<https://dnr.wisconsin.gov/topic/SurfaceWater/ConditionLists.html>

3. After the start date of coverage under this permit, the Permittee may not establish a new MS4 discharge of a pollutant of concern to an impaired waterbody or increase the discharge of a pollutant of concern to an impaired waterbody unless the new or increased discharge causes the receiving water to meet applicable water quality standards, or the new discharge is consistent with an EPA approved TMDL.

K. GENERAL STORM WATER DISCHARGE LIMITATIONS

In accordance with s. NR 102.04, Wis. Adm. Code, the Permittee shall control storm water discharges so that all surface waters, including the mixing zone, meet the following conditions at all times and under all flow and water level conditions:

1. Substances that will cause objectionable deposits on the shore or in the bed of a body of water, shall not be present in such amounts as to interfere with public rights in waters of the state.
2. Floating or submerged debris, oil, scum or other material shall not be present in such amounts as to interfere with public rights in waters of the state.
3. Materials producing color, odor, taste or unsightliness shall not be present in such amounts as to interfere with public rights in waters of the state.
4. Substances in concentrations or combinations which are toxic or harmful to humans shall not be present in amounts found to be of public health significance, nor shall substances be present in amounts which are acutely harmful to animal, plant or aquatic life.

L. EXCLUSIONS

The following are excluded from coverage under this permit:

1. Combined Sewer and Sanitary Sewer Systems:
Discharges of water from a wastewater treatment facility, sanitary sewer or a combined sewer system conveying both sanitary and storm water. These discharges are regulated under s. 283.31, Wis. Stats, and require a separate individual permit.
2. Agricultural Facilities and Practices:
Discharges from "agricultural facilities" and "agricultural practices". "Agricultural facility" means a structure associated with an agricultural practice. "Agricultural practice" means beekeeping; commercial feedlots; dairying; egg production; floriculture; fish or fur farming; grazing; livestock raising; orchards; poultry raising; raising of grain, grass, mint and seed crops; raising of fruits, nuts and berries; sod farming; placing land in federal programs in return for payments in kind; owning land, at least 35 acres of which is enrolled in the conservation reserve program under 16 USC 3831 to 3836; and vegetable raising.
3. Other Excluded Discharges:
Storm water discharges from industrial operations or land disturbing construction activities that require separate coverage under a WPDES permit pursuant to subchs. II or III of ch. NR 216, Wis. Adm. Code. For example, while storm water from industrial or construction

activity may discharge from an MS4, this permit does not satisfy the need to obtain any other permits for those discharges. This exclusion does not apply to the Permittee's responsibility to regulate construction sites within its jurisdiction in accordance with Sections II. D. and E. of this permit.

4. Indian Country:

Storm water discharges within Indian Country. The federal Clean Water Act requires that owners and operators of storm water discharges to surface waters within Indian Country to obtain permit coverage directly from the EPA.

II. STORM WATER MANAGEMENT PROGRAMS

Each Permittee shall have written storm water management program documents that describes in detail how the Permittee intends to comply with the permit requirements for each minimum control measure. By the dates listed in each program section, each Permittee shall submit its written program documents electronically to the Department's electronic reporting system and begin implementing any updates to its storm water management programs.

Note: The Department's electronic reporting system is Internet-based and available at: <https://dnr.wi.gov/permits/water/>. Municipal storm water permit eReporting information and user support tools can be found at: <https://dnr.wi.gov/topic/stormwater/municipal/eReporting.html>

A. PUBLIC EDUCATION AND OUTREACH CONDITIONS

Each Permittee shall implement a public education and outreach program, consistent with permit conditions, to increase the awareness of how the combined actions of human behavior influence storm water pollution and its effects on the environment. The public education and outreach program may incorporate cooperative efforts with other entities not regulated by this permit provided a mechanism is developed and implemented to track and report the results of these cooperative efforts.

1. **WRITTEN PROGRAM:** By November 1, 2027, each Permittee shall submit a written program that describes in detail how the Permittee intends to implement its program. At a minimum, the written program to be implemented shall:
 - a) Address all topics in Table 1 at least once during the permit term, with a minimum of 3 topics being addressed each year. Topics may be repeated as necessary.
 - b) Use at least two Active/Interactive Mechanisms provided in Table 2 each year.
 - c) For each topic addressed, identify the targeted pollutants of concern, the targeted audience, delivery mechanism, and the entity responsible for implementation.

Table 1: Public Education and Outreach Topics

#	Topic Area	Description
1	Illicit Discharge Detection and Elimination	Promote detection and elimination of illicit discharges and water quality impacts associated with such discharges from municipal separate storm sewer systems.
2	Household Hazardous Waste Disposal/Pet Waste Management/Vehicle Washing	Inform and educate the public about the proper management of materials that may cause storm water pollution from sources including automobiles, pet waste, household hazardous waste and household practices.
3	Yard Waste Management/Pesticide and Fertilizer Application	Promote beneficial onsite reuse of leaves and grass clippings and proper use of lawn and garden fertilizers and pesticides.
4	Stream and Shoreline Management	Promote the management of streambanks and shorelines by riparian landowners to minimize erosion and restore and enhance the ecological value of waterways.
5	Residential Infiltration	Promote infiltration of residential storm water runoff from rooftop downspouts, driveways and sidewalks through implementation of green infrastructure best management practices (BMPs) such as rain barrels, rain gardens, and permeable pavements.
6	Construction Sites and Post-Construction Storm Water Management	Inform and educate those responsible for the design, installation, and maintenance of construction site erosion control practices and storm water management facilities on how to design, install and maintain the practices.
7	Pollution Prevention	Storm water runoff from commercial properties and, where appropriate, educate specific businesses such as lawn care companies, golf courses, carwashes, and restaurants on storm water pollution prevention planning to reduce pollutant sources.
8	Green Infrastructure/Low Impact Development	Promote environmentally sensitive land development designs by developers and designers, including green infrastructure and low impact development.
9	Snow and Ice Control	Promote BMPs for snow and ice removal and inform specific audiences such as snow removal/deicing companies, private residences, industrial and commercial facilities, and residents about resources that provide further information on methods of reducing application of chemical deicers while maintaining public safety.

Table 2: Public Education and Outreach Delivery Mechanisms

Active/Interactive Mechanisms	Passive Mechanisms
<ul style="list-style-type: none"> • Educational activities (school presentations, summer camps) • Informational booth at event • Targeted group training (contractors, consultants, etc.) • Government event (public hearing, council meeting) • Workshops • Tours • Other 	<ul style="list-style-type: none"> • Passive print media (brochures at front desk, posters, etc.) • Distribution of print media (mailings, newsletters, etc.) via mail or email • Media offerings (radio and TV ads, press release, etc.) • Social media posts • Signage • Website • Other

2. **MEASURABLE GOAL:** Each Permittee shall establish a measurable goal for its Public Education and Outreach program. By November 1, 2027, each Permittee shall submit a document that includes:
 - a) Its public education and outreach program measurable goal.
 - b) The method used to identify its measurable goal.
 - c) Intended education event or specific actions to work towards achieving the measurable goal.
 - d) Intended metrics that will be used for measuring progress on the measurable goal after the education event or specific actions are completed.

3. **REAPPLICATION MATERIALS:** Submit as part of the permit reapplication (due May 4, 2029), a summary actions taken to reach the measurable goal, metrics used to measure success, evaluation results, and proposed measurable goal for the next permit term.

B. PUBLIC INVOLVEMENT AND PARTICIPATION

Each Permittee shall implement a public involvement and participation program consistent with permit conditions, that provides opportunities for the public to effectively participate in the development, implementation, and modification of the Permittee’s storm water management program. The program shall include provisions for receiving and considering public comments on the following permit activities: annual reports, SWMP revisions, adoption of storm water related ordinances, and TMDL pollutant load reduction benchmark development.

1. **WRITTEN PROGRAM:** By November 1, 2027, each Permittee shall submit a written program that describes in detail how the Permittee intends to implement its program. At a minimum, the written program to be implemented shall:
 - a) For the associated permit activity, identify the delivery mechanism, target participants, and entity responsible for implementation. Delivery mechanisms may include public workshops, presentations of storm water information, government events (public hearings, council meetings, etc.), citizen committee meetings, or the use of websites.

2. MEASURABLE GOAL: Each Permittee shall establish a measurable goal for its Public Involvement and Participation program. By November 1, 2027, each Permittee shall submit a document that includes:

- a) Its public involvement and participation program measurable goal.
- b) The method used to identify its measurable goal.
- c) Intended actions to work towards achieving the measurable goal.
- d) Intended metrics that will be used for measuring progress on the measurable goal after actions are conducted.

3. REAPPLICATION MATERIALS: Submit as part of the permit reapplication (due May 4, 2029), a summary of the actions taken to reach the measurable goal, metrics used to measure success, evaluation results, and proposed measurable goal for the next permit term.

C. ILLICIT DISCHARGE DETECTION AND ELIMINATION (IDDE)

Each Permittee shall implement and enforce a program consistent with permit conditions, to detect, remove, and eliminate illicit connections and discharges to the municipal separate storm sewer system. At a minimum, the program shall comply with the following:

1. ORDINANCE: Each Permittee shall have and enforce a municipal ordinance or other regulatory mechanism that, at a minimum:

- a) Prohibits illicit discharge, spilling or dumping of non-storm water substances or material into the Permittee's MS4 or waters of the state.
- b) Identifies non-storm water discharges or flows that are not considered illicit discharges. Non-storm water discharges that are not considered illicit discharges include water line flushing, landscape irrigation, diverted stream flows, uncontaminated groundwater infiltration, uncontaminated pumped groundwater, discharges from potable water sources, foundation drains, air conditioning condensation, irrigation water, lawn watering, individual residential car washing, flows from riparian habitats and wetlands, firefighting, and discharges authorized under a WPDES permit, unless identified by the Permittee or the Department as significant source of pollutants to waters of the state.
- c) Establishes the Permittee's inspection and enforcement authority.

Note: Chapter NR 815, Wis. Adm. Code, regulates injection wells including storm water injection wells. Construction or use of a well to dispose of storm water directly into groundwater is prohibited under s. NR 815.11(5), Wis. Adm. Code.

2. WRITTEN PROGRAM: By May 1, 2027, each Permittee shall submit a written program that describes in detail how the Permittee intends to implement the following permit conditions. The written program to be implemented shall describe the Permittee's Dry Weather Outfall Screenings, Investigation and Elimination Procedures, Enforcement Response, and Training.

- a) **Dry Weather Outfall Screening:** Consistent with the following permit conditions, each Permittee shall conduct dry weather outfall screenings to determine the presence of illicit discharges or connections and assist in the tracking, location, and elimination of sources. At minimum, the written program to be implemented shall include:
- (1) The name or title and contact information of the individual(s) responsible for outfall screening activities.
 - (2) A map identifying all major and minor MS4 outfalls and storm water drainage basin boundaries for each MS4 outfall. Priority outfalls shall be uniquely identified.
 - (3) A list of MS4 outfalls the Permittee identified as priority outfalls. Rationale used to determine priority shall also be provided within the written program.
 - (4) During dry weather periods, the Permittee shall conduct screening at MS4 outfalls.
 - (a) Screening Location: At minimum, the Permittee shall screen outfalls using the following criteria. Documentation of each outfall screened shall be recorded:
 1. Annually, at least 20 percent of all priority outfalls shall be screened, on a rolling basis, so that at the end of the permit term all priority outfalls have been screened.
 2. Any outfall that exhibited evidence of an illicit discharge or exceeded a parameter action level during the previous year shall be screened the following year.
 - (b) Visual Observation. A narrative description of visual observations during field screening activities, including color, odor, turbidity, oil sheen or surface scum, trash, flow rate, condition of conveyance system or outfall, and any other relevant observations in performing field screening activities regarding the potential presence of non-storm water discharges or illicit dumping shall be recorded for each outfall visited.
 - (c) Field Analysis. If flow is observed at the screening locations during dry weather periods, a field analysis shall be conducted to determine the cause of the dry weather flow. The field analysis shall include sampling for pH, total chlorine, total copper, total phenol, and detergents unless the Permittee elects to use alternative indicator parameters authorized by the Department in writing. Where appropriate, pollutant parameter action levels identified by the Permittee must be considered. Field analysis procedures shall describe when other investigation methods such as dye testing or televising will be used. Field analysis results shall be recorded for each outfall visited. The Permittee may propose alternative field analysis procedures for review and approval. The Permittee shall follow the field analysis procedures identified in this subsection unless alternative procedures are approved in writing by the Department.

- (d) Pollutant parameter action levels that will be used as part of the field analysis shall identify concentrations for identified pollutants that, if exceeded, will require further investigation, which may include laboratory analysis, to identify the source the illicit discharge.
 - (e) Laboratory Analysis. If visual observations or field analysis indicate the presence of a suspected illicit discharge and the source or cause of the illicit discharge cannot be determined through other investigatory methods, the Permittee shall collect a water quality sample for laboratory analysis for ongoing discharges. The water quality sample shall be analyzed for pollutant parameters or identifiers that will aid in the determination of the sources of the illicit discharge. The name and location of the laboratory the Permittee intends to use shall also be included in the written program. Laboratory analysis results shall be recorded and kept for 5 years.
- (5) Documentation. A summary of outfall screening results shall be included with the annual report.
- b) **Investigation and Elimination Procedures.** The Permittee shall investigate and respond to known or suspected illicit discharges. At minimum, the written program to be implemented shall include:
- (1) The name or title and contact information of the individual(s) responsible for investigating and responding to reports of illicit discharges and spills.
 - (2) Immediately investigating portions of the MS4 that, based on the results of visual observation, field analysis, laboratory analysis, or other relevant information, such as a complaint or referral, indicates a reasonable potential for containing illicit discharges.
 - (3) Responding to spills that discharge into and/or from the MS4, including tracking the source of the spill, if unknown.
 - (4) Preventing and containing spills that may discharge into or are already within the MS4.
 - (5) Procedure to immediately notify the Department in accordance with ch. NR 706, Wis. Adm. Code, if the Permittee identifies a spill or release of a hazardous substance into or from its MS4, which results in the discharge of pollutants into waters of the state. The Department shall be notified via the 24-hour toll free spill hotline at 1-800-943-0003. The Permittee shall cooperate with the Department in efforts to investigate and prevent such discharges from polluting waters of the state.
 - (6) Elimination of the illicit discharge.
 - (a) Once the source of an illicit discharge is determined, the Permittee must take appropriate action to expeditiously eliminate the illicit discharge. If elimination of the illicit discharge is not feasible to eliminate within 30 days, the Permittee shall notify its local Department storm water specialist.

Note: Local Department storm water specialist contact information is available on the Department's Internet site at: <https://dnr.wisconsin.gov/topic/Stormwater/contacts.html>

- (b) If the Permittee determines the elimination of the illicit discharge will take more than 30 days due to technical, logistical or other reasonable issues, the Permittee must develop and implement an illicit discharge elimination plan to remove the illicit discharge in an expeditious manner. The elimination plan must be submitted to the Department within 45 days of determining the source of an illicit discharge.
- (7) Elimination of any leakage or discharge from sanitary conveyance systems into the MS4 as required in s. NR 216.07 (3) (h), Wis. Adm. Code.
- (8) Providing the Department with advance notice of the time and location of dye testing proposed by the Permittee within a MS4.
- (9) Notification with adjacent municipality.
 - (a) In the case of an illicit discharge that originates from the Permittee's permitted area and discharges directly to a storm sewer system or property under the jurisdiction of an adjacent municipality, the Permittee shall notify the affected municipality within one working day of the discovery of the discharge.
 - (b) In the case of an illicit discharge that originates from an adjacent municipality's permitted area and discharges directly to the Permittee's storm sewer system or property under its jurisdiction, the Permittee shall notify the originating municipality within one working day of the discovery of the discharge.
- (10) Documentation. The Permittee shall maintain a system for documenting complaints, referrals, and any actions taken to investigate or eliminate an illicit discharge. A summary of illicit discharge activities for each year shall be included in the annual report.
- c) **Enforcement Response.** The Permittee shall have an enforcement response plan or similar document describing how the Permittee enforces its ordinance when an illicit discharge investigation identifies a responsible party. At a minimum, the enforcement response plan to be implemented shall:
 - (1) Identify all available enforcement mechanisms the Permittee may utilize to compel compliance.
 - (2) Provide the name or title and contact information of the individual(s) responsible for utilizing enforcement mechanisms. If individuals vary by mechanism, describe the variation.
 - (3) Describe the typical enforcement procedures and associated timeframe.

- d) **Training:** Staff responsible for implementing the IDDE program shall receive training on the Permittee's procedure to ensure it is being adequately implemented at least once per permit term. This may include staff conducting dry-weather screenings, investigating known or suspected illicit discharges, staff receiving complaints, and staff communicating with emergency response such as police and fire departments or others such as public works staff. A summary of the training and participants shall be described in the written procedure.
3. **MEASURABLE GOAL:** Each Permittee shall establish a measurable goal for its IDDE program. By May 1, 2027, each Permittee shall submit a document that includes:
- Its IDDE program measurable goal.
 - The method used to identify its measurable goal.
 - Intended actions to work towards achieving the measurable goal.
 - Intended metrics that will be used for measuring progress on the measurable goal after actions are conducted.
4. **REAPPLICATION MATERIALS:** As part of the permit reapplication (due May 4, 2029), a summary of the actions taken to reach the measurable goal, metrics used to measure success, evaluation results, and proposed measurable goal for the next permit term.

D. CONSTRUCTION SITE POLLUTION CONTROL

Each Permittee shall implement and enforce a program consistent with permit conditions, to reduce the discharge of sediment and construction materials from construction sites. At a minimum, the program shall comply with the following:

1. **ORDINANCE:** Each Permittee shall have and enforce a municipal ordinance or other regulatory mechanism regarding construction site storm water discharges on all sites, including municipal projects that, at a minimum, establishes and includes:
- Applicability and jurisdiction. Pursuant to the authority provided to the Permittee under Wisconsin statutes, the ordinance shall apply to all construction sites with one acre or more of land disturbance, and to sites of less than one acre if they are part of a larger common plan of development or sale.
 - Design criteria, standards and specifications equivalent to the technical standards approved by the Department.
- Note:** The Department approved technical standards are available at <http://dnr.wi.gov/topic/stormwater/standards/index.html>.
- Performance standards equivalent to, or more restrictive than, those under ss. NR 151.11(6m), (7), and (8), and 151.23(4m), (5), and (6), Wis. Adm. Code.

- d) Erosion and sediment control plan requirements for landowners of construction sites equivalent to those contained in s. NR 216.46, Wis. Adm. Code.
 - e) Inspection and enforcement authority, including sanctions, to ensure compliance to the extent authorized by law.
 - f) Requirements for construction site operators to manage waste such as discarded building materials, concrete truck washout, chemicals, litter, and sanitary waste at the construction site so to reduce adverse impacts to waters of the state.
2. **WRITTEN PROGRAM.** By November 1, 2026, each Permittee shall submit a written program that describes in detail how the Permittee intends to implement the following permit conditions. The written program to be implemented shall describe the Permittee's Erosion and Sediment Control Plan Review and Permitting Procedures, Inspection Procedures, Enforcement Procedures, and Training.
- a) **Plan Review and Permitting:** Implement procedures for conducting erosion and sediment control plan reviews to ensure site planning considers potential water quality impacts. Erosion and sediment control best management practices must comply with design, installation, and maintenance standards that meet or exceed the Department's technical standards and Permittee's ordinance. At minimum, the written procedure shall include the following information for construction sites, including municipal projects, with one acre or more of land disturbance, and sites of less than one acre if they are part of a larger common plan of development or sale:
 - (1) A description of construction site applications which are reviewed and permitted for erosion and sediment control.
 - (2) The name or title and contact information of the individual(s) responsible for plan review and permitting. If individuals responsible for review and permitting vary based on factors such as site applicant, project acreage, or location, the written program shall describe these differences.
 - (3) A description of administration activities including but not limited to construction site plan receipt, the process for obtaining local approval, and consideration of information submitted by the public.
 - (4) Enforce permit coverage termination requirements for landowners of construction sites equivalent to those contained in s. NR 216.55, Wis. Adm. Code, including removal of all temporary erosion and sediment control best management practices and complete site restoration with perennial vegetative cover.
 - b) **Inspection Procedures:** Each Permittee shall complete erosion control inspections at sites, including municipal projects, with one acre or more of land disturbance, and sites of less than one acre if they are part of a larger common plan of development or sale. Each Permittee shall develop and implement procedures for ensuring municipally conducted inspections at these sites are recorded. At minimum, the procedure shall:

- (1) Provide the name or title and contact information of the individual(s) responsible for municipally conducted erosion control inspections. If individuals responsible for inspections vary based on factors such as site type or type of inspection, the written program shall describe these differences.
- (2) Describe how inspections are recorded and maintained.
- (3) Specify the Permittee's inspection frequencies and prioritize inspections considering the nature of construction activity, topography, the characteristics of soil, and receiving water quality. At minimum, the Permittee shall ensure completion of erosion control inspections at sites in accordance with Table 3.

Table 3: Construction Sites Inspection Frequency

For any construction site disturbing one acre or more of land disturbance, and sites of less than one acre if they are part of a larger common plan of development or sale.

Site	Inspection Frequency
(1) All sites with one or more acres of disturbance	<ul style="list-style-type: none"> • New projects shall be inspected within the first two weeks of commencement of land disturbing activity. • All active sites shall be inspected at least once every 45 days. • All temporarily stabilized and inactive sites shall be inspected at least once every 60 days.
(2) Follow-up inspection	<ul style="list-style-type: none"> • Follow-up inspections are required within 7 days of any sediment discharge or inadequate control measure, unless corrections were made and observed by the inspector during initial inspection or corrections were verified via photographs submitted to the inspector.
(3) Final inspection	<ul style="list-style-type: none"> • Confirm that all graded areas have reached final stabilization and that all temporary control measures are removed, and permanent storm water management BMPs are installed as designed.

c) **Enforcement Procedure:** Each Permittee shall enforce erosion and sediment control plan requirements for landowners of construction sites equivalent to those contained in s. NR 216.46, Wis. Adm. Code, including municipal projects applicable under the Permittee's ordinance. The written program shall describe the enforcement procedure the Permittee will follow when addressing issues at construction sites to ensure construction activities are in compliance with its ordinance. At a minimum, the enforcement plan shall:

- (1) Identify all available enforcement mechanisms to compel compliance. Mechanisms should include informal mechanisms such as verbal warnings and formal mechanisms such as citations.
- (2) Provide the name or title and contact information of the individual(s) responsible for enforcement. If individuals responsible for enforcement vary based on factors such as

type of enforcement mechanism or more than one individual is needed to utilize an enforcement mechanism, the written program shall describe these differences.

- (3) Describe the typical enforcement procedures including associated timeframes for a construction site to return to compliance.
- (4) Implement procedures for responding to information submitted by the public, including complaints.
- (5) Record and maintain any follow-up actions or enforcement utilized on sites out of compliance with their site-specific erosion control plans, as identified in the Permittee's program.

d) **Training.** All staff responsible for implementing the Construction Site Pollution Control Program shall receive training, at least once per permit term, on the Permittee's procedures to ensure the program is adequately implemented. A summary of the training and participants shall be described in the written procedure.

3. MEASURABLE GOAL: Each Permittee shall establish a measurable goal for its Construction Site Pollution Control program. By November 1, 2026, each Permittee shall submit a document that includes:

- a) Its construction site pollution control program measurable goal.
- b) The method used to identify its measurable goal.
- c) Intended actions to work towards achieving the measurable goal.
- d) Intended metrics that will be used for measuring progress on the measurable goal after actions were conducted.

4. REAPPLICATION MATERIALS: As part of the permit reapplication (due May 4, 2029), a summary of the actions taken to reach the measurable goal, metrics used to measure success, evaluation results, and proposed measurable goal for the next permit term.

E. POST-CONSTRUCTION STORM WATER MANAGEMENT

Each Permittee shall implement and enforce a program to control the quantity and quality of discharges from areas of new development, infill, and redevelopment, after construction is completed. At a minimum, the program shall comply with the following:

1. ORDINANCE: Each Permittee shall have and enforce a municipal ordinance or other regulatory mechanism to regulate post-construction storm water discharges from new development and redevelopment that, at a minimum, establishes and includes:

- a) Applicability and jurisdiction. The ordinance shall apply to new development and redevelopment projects with one acre or more of land disturbance, and sites of less than one acre if they are part of a larger common plan of development or sale.

- b) Design criteria, standards and specifications equivalent to the technical standards approved by the Department.

Note: The Department approved technical standards are available at <http://dnr.wi.gov/topic/stormwater/standards/index.html>.

- c) For new development and infill, post-construction performance standards equivalent to those in ss. NR 151.121 through 151.128 and 151.241 through 151.248, Wis. Adm. Code, that meet the measurable goals for pollutant removal and post-construction storm water treatment.

Note: Post-construction performance standards for new development and in-fill may be more restrictive than those required in this section if necessary to comply with federally approved TMDL requirements or to control stormwater quantity or peak flow in accordance with s. 281.33(6)(a)1. and 2., Wis. Stats.

- d) For redevelopment, post-construction performance standards equivalent to or more restrictive than those in ss. NR 151.121 through 151.128 and 151.241 through 151.248, Wis. Adm. Code, that meet the measurable goals for pollutant removal and postconstruction storm water treatment.

- e) Storm water management plan requirements for landowners of construction sites equivalent to those contained in s. NR 216.47, Wis. Adm. Code.

- f) Long-term maintenance requirements that meet s. NR 216.47(5) for landowners and other persons responsible for long-term maintenance of post-construction storm water control measures, including the requirement for routine inspection and maintenance of privately owned, post-construction storm water control measures that discharge into the MS4 to maintain their pollutant removal operating efficiency.

- g) Inspection and enforcement authority.

2. WRITTEN PROGRAM: By November 1, 2026, each Permittee shall submit a written program that describes in detail how the Permittee intends to implement the following permit conditions. The written program to be implemented shall describe the Permittee's Post-Construction Storm Water Management Plan Review and Permitting Procedures, Inspection and Maintenance Procedures, Enforcement Procedures, and include a BMP Inventory.

- a) **Plan Review and Permitting:** Written procedures for post-construction site plan review and permitting that incorporate consideration of potential water quality impacts, including source water protection areas where applicable. Post-construction reviews must be conducted for all construction sites with one or more acres of land disturbance. At minimum, the written procedure to be implemented shall include the following:

- (1) A description of applications which are reviewed and permitted for post-construction stormwater management.

- (2) The name or title and contact information of the individual(s) responsible for plan review and permitting. If individuals responsible for review and permitting vary based on factors such as site applicant, project acreage, or location, the written program shall describe these differences.
- (3) A description of administration activities including but not limited to construction site plan receipt, the process for obtaining local approval, and consideration of information submitted by the public.
- (4) A description of documents required as part of the permitting process, including long-term maintenance requirements equivalent to those contained in s. NR 216.47(5) for private BMPs.

b) **Post-Construction BMP Inventory:** Each Permittee shall include in its written program an inventory to assist in tracking and completing long-term maintenance, inspections, and enforcement of all municipally owned or operated post-construction BMPs and privately owned BMPs constructed on or after March 31, 2005. This inventory shall identify all post-construction BMPs identified in section II.E.2.b) and provide the following information:

- (1) BMP name, location, BMP type, year constructed, and ownership.
- (2) Confirmation of whether each of the following exists for each BMP:
 - (a) Record drawing.
 - (b) An operation and maintenance plan with BMP inspection procedures and inspection schedule.
 - (c) Long-term maintenance authority (e.g., long-term maintenance agreement) for privately owned BMPs.

c) **Post-Construction BMPs Inspection and Maintenance Procedure.** Each Permittee, through its ordinance jurisdiction, approval process, and legal authority, shall ensure all municipally owned or operated post-construction BMPs are inspected and maintained. Inspections shall be done at least once every five years and inspections shall be documented. The written procedure to be implemented shall, at a minimum:

- (1) Describe the inspection and maintenance procedure for **municipally owned** post-construction BMPs. At minimum, the procedure shall:
 - (a) Provide the name or title and contact information of the individual(s) responsible for inspecting and pursuing maintenance for municipally owned BMPs. If individuals responsible for inspections or pursuing maintenance vary, the written program shall describe these differences.
 - (b) Identify the inspection frequency for all municipally owned BMPs.
 - (c) Require long-term maintenance inspections at least once every five years.
 - (d) Maintain records of BMP inspections and maintenance activities.
- (2) Describe the inspection and maintenance procedure for **municipally operated** post-construction BMPs. At minimum, the procedure shall:
 - (a) Describe who is responsible for inspecting and maintaining municipally operated BMPs.

- (b) Describe the Permittee's procedure to verify municipally operated BMPs are inspected and maintained as required by the long-term maintenance requirement.
- (c) Identify the inspection frequency for all municipally operated BMPs.
- (d) Require long-term maintenance inspections at least once every five years.
- (e) Maintain records of BMP inspections and maintenance activities.

d) Enforcement of Long-Term Maintenance Requirements for Municipally Operated BMPs:

Each Permittee shall have an enforcement plan or similar document describing how the Permittee will enforce its long-term maintenance requirements when noncompliance is discovered. At a minimum, the written enforcement plan shall address and include:

- (1) Provide the name or title and contact information of the individual(s) responsible for regulatory and enforcement activity related to long-term maintenance requirements. If individuals vary, describe the variation.
- (2) Describe the general procedure and associated timeframe to compel compliance with the long-term maintenance requirements.
- (3) Document and maintain records of the Permittee's findings, response, and corrective actions taken.

3. MEASURABLE GOAL: Each Permittee shall establish a measurable goal for its Post-Construction Storm Water Management program. By November 1, 2026, each Permittee shall submit a document that includes:

- a) Its post-construction storm water management program measurable goal.
- b) The method used to identify its measurable goal.
- c) Intended actions to work towards achieving the measurable goal.
- d) Intended metrics that will be used for measuring progress on the measurable goal after actions are conducted.

4. REAPPLICATION MATERIALS: As part of the permit reapplication (due May 4, 2029), a summary of the actions taken to reach the measurable goal, metrics used to measure success, evaluation results, and proposed measurable goal for the next permit term.

F. POLLUTION PREVENTION

Each Permittee shall implement a pollution prevention program consistent with permit conditions, to prevent or reduce the discharge of pollutants in storm water runoff.

1. Winter Road Management: By May 1, 2027, each Permittee shall submit its written procedure that describes in detail how the Permittee intends to implement the following:

- a) Road salt or other deicer shall not be applied in quantities larger than required to maintain public safety. The Permittee shall develop and implement a written salt application or salt reduction strategy to minimize over application of deicers. The strategy shall include a description of the temperature, precipitation event, and road conditions, and other factors which warrant different management techniques. The plan

shall also include a description of the equipment, products used, and roads and other areas such as parking lots that are managed by the Permittee in winter.

- b) All salt application equipment shall be calibrated at least annually. Calibration methods shall be described in the written procedure. The Permittee shall document each calibration event and keep the calibration records for 5 years.
- c) The quantity of salt and other deicing products shall be tracked and reported on the annual report. The method to track the quantity of salt and other deicing products used shall be described in the written procedure.
- d) Training on the Permittee's salt strategy shall be provided at a frequency no less than every other year. A description of the training and participants shall be described in the written procedure.

2. Nutrient Management: If a Permittee applies nutrients or fertilizers to a pervious area that is five acres or more on a municipally controlled property (such as a park, athletic facility, golf course), the Permittee shall conduct applications in accordance with a site-specific nutrient application schedule based on appropriate soil tests. The nutrient application schedule shall be designed to maintain the optimal health of the turf or garden vegetation.

3. Street Sweeping and Catch Basin Cleaning: If a Permittee conducts street sweeping or catch basin cleanings, by May 1, 2027, the Permittee shall submit a written procedure that, at a minimum, describes the following:

- a) A description of the street sweeping and/or catch basin cleaning program, including the methodology and equipment used, schedule and frequency of street sweeping and catch basin cleaning, and the location(s) of collected material storage and final disposal.
- b) If street sweeping or catch basin cleaning is utilized to meet a water quality requirement under this or a previous permit, sweeping and catch basin cleaning shall continue at the frequency specified in the Permittee's Storm Water Management Plan.
- c) Material collected through street sweeping and catch basin cleaning shall be handled and stored in a manner that prevents contamination of storm water runoff. Non-storm water discharges to waters of the state associated with dewatering and drying these collected materials are not authorized by this permit. These materials are solid waste as defined in s. 289.01(33), Wis. Stats and shall be disposed of in accordance with applicable solid waste statutes and administrative codes or beneficially reused under a written exemption from solid waste regulations issued by the Department.

Note: Information on managing waste materials, including how to request a low hazard exemption from solid waste regulations, is available on the Department's Internet site at: <https://dnr.wisconsin.gov/topic/Waste/Solid.html>

- d) The number of lane miles swept, and number of catch basins cleaned shall be tracked and submitted with the annual report.
- e) Staff responsible for street sweeping and catch basin cleaning shall receive training at least once per permit term. A description of the training and participants shall be described in the written procedure.

4. Management of Leaves and Grass Clippings: If a Permittee provides leave and/or grass clipping collection, by May 1, 2027, the Permittee shall submit a written procedure that, at minimum, includes the following:

- a) A description of the collection program, including pick-up methodology and equipment used, timing of associated street cleaning, standard operating procedures, schedule and frequency, instructions for residents and property owners, and the location(s) utilized during material storage and final disposal.

Note: A SWPPP is required for any municipally owned or operated properties with composting activities. MS4 Permittees composting leaves, grass clippings, or other yard waste at a municipally owned or operated property shall comply with composting requirements. Information on Wisconsin's composting rules and regulations is available on the Department's Internet site at: <https://dnr.wisconsin.gov/topic/Recycling/regs.html>.

- b) Staff responsible for leave and grass clipping collection shall receive training at least once per permit term. A description of the training and participants shall be described in the written procedure.

5. Storm Water Pollution Prevention Planning: All municipal garages, municipal storage areas, and other public works related municipal facilities with a potential to generate storm water pollution shall have a Storm Water Pollution Prevention Plan (SWPPP).

- a) Each SWPPP shall include:
 - (1) The physical locations of each facility with a key corresponding to the locations on the storm sewer system map required under Section II.H.
 - (2) The name or title and contact information of the individual(s) with overall responsibility for each facility.
 - (3) A map of each facility, drawn to scale, and including the following features:
 - (a) The locations and descriptions of major activities and storage areas.
 - (b) Identification of drainage patterns, potential sources of storm water contamination, and discharge points.
 - (c) Identification of nearby receiving waters or wetlands.
 - (d) Identification of connections to the Permittee's MS4.

- (4) A description of procedures, good housekeeping activities, and any BMPs installed to reduce or eliminate storm water contamination.
 - (5) Spills prevention and response standard for each facility.
 - (6) A maintenance plan with inspection procedures and schedule for the facility to identify deficiencies, necessary improvements and/or repairs, assess effectiveness, and address new or unaddressed potential sources of storm water contamination. At minimum, one annual facility compliance inspection shall be conducted, and documented, each year.
 - (7) Contains procedures for annual training of municipal staff on implementation of the SWPPP.
- b) SWPPPs shall be revised, as needed, to be consistent with permit conditions, if determined to be ineffective in achieving the conditions of the storm water discharge permit applicable to the facility, or upon written notice from the Department.
 - c) Each SWPPP shall be evaluated once per permit term and the results of the evaluation shall be documented within the SWPPP.
 - d) For any new municipally operated sites which require a SWPPP, the Permittee shall develop and implement a SWPPP.
 - e) New or revised SWPPPs shall be submitted to the Department upon completion or submitted with the annual report of that reporting year.

- 6. MEASURABLE GOAL:** Each Permittee shall establish a measurable goal for its Pollution Prevention program. By May 1, 2027, each Permittee shall submit a document that includes:
- a) Its pollution prevention program measurable goal.
 - b) The method used to identify its measurable goal.
 - c) Intended actions to work towards achieving the measurable goal.
 - d) Intended metrics that will be used for measuring progress on the measurable goal after actions are conducted.

- 7. REAPPLICATION MATERIALS:** As part of the permit reapplication (due May 4, 2029), a summary of the actions taken to reach the measurable goal, metrics used to measure success, evaluation results, and proposed measurable goal for the next permit term.

G. STORM WATER QUALITY MANAGEMENT

Each Permittee shall continue to implement its municipal storm water management program that controls the discharge of total suspended solids from the MS4 system to waters of the state.

1. The storm water management program shall maintain compliance with the developed urban area performance standards of s. NR 151.13(2), Wis. Adm. Code, for those areas of the

municipality that were not subject to the post-construction performance standards of ss. NR 151.12 or 151.24, Wis. Adm. Code. (Note: projects prior to Oct. 1, 2004).

2. Each Permittee shall ensure continued operation and maintenance of all best management practices implemented on or before July 1, 2011, to achieve a total suspended solids reduction of more than 20 percent as compared to no controls.

H. STORM SEWER SYSTEM MAP

Each Permittee shall maintain a municipal separate storm sewer system map and update it as necessary to meet all of the following requirements of s. NR 216.07(7), Wis. Adm. Code. Updated maps shall be submitted with the annual report of that reporting year.

1. Identification of waters of the state, watershed boundaries, name and classification of receiving waters, and identification of whether the receiving water is listed as an impaired water under section 303 (d) of the Clean Water Act.
2. Identification of all known municipal storm sewer system outfalls discharging to waters of the state or other municipal separate storm sewer systems, stormwater drainage basin boundaries for each MS4 outfall, and municipal separate storm sewer conveyance systems with flow direction. Major outfalls shall be identified. Other major municipal, government, or privately owned storm water conveyance systems lying within, but not owned by the Permittee, shall also be identified.
3. A boundary defining the municipal border and the storm water planning area.
4. The location of any known discharge to the MS4 that has been issued a WPDES permit by the Department.
5. Location of municipally owned or operated structural storm water controls including detention basins, infiltration basins, and manufactured treatment devices. If the Permittee will be taking credit for pollutant removal from privately owned facilities, these facilities must be identified.
6. Identification of publicly owned parks, recreational areas, and other similar open lands.
7. Location of municipal garages and other public works facilities.
8. Identification of streets.
9. Identification of other potential sources of pollution.

I. AMENDMENTS

Each Permittee shall amend a program required under this permit as soon as possible if the Permittee becomes aware that it does not meet a requirement of this permit. The Permittee shall amend its program if notified by the Department that a program or procedure is insufficient or

ineffective in meeting a requirement of this permit. The Department notice to the Permittee may include a deadline for amending and implementing the amendment.

J. ANNUAL REPORT

Each Permittee shall submit an annual report by **March 31st of the following year** for each calendar year. The municipal governing body, interest groups, and the general public shall be provided opportunity to review and comment on the annual report as required by Section II.B. The following information must be submitted electronically on Department provided forms.

Note: The Department's electronic reporting system is Internet-based and available at: <https://dnr.wi.gov/permits/water/>. Municipal storm water permit eReporting information and user support tools can be found at: <https://dnr.wi.gov/topic/stormwater/municipal/eReporting.html>

1. The status of implementing the permit requirements and compliance with permit schedules.
2. A summary of the number and nature of inspections, investigations, and enforcement actions related to the stormwater management programs.
3. An evaluation of the effectiveness of the components of the Permittee's storm water management programs.
4. A summary of any proposed changes to the Permittee's storm water management programs created to comply with permit requirements.
5. Updated storm sewer system maps, where necessary, to identify any new outfalls, structural controls, or other noteworthy changes.
6. Identification of water quality improvements or degradation. Where degradation is identified, identify why and what actions are being taken to improve the water quality of the receiving water.
7. Pollutant loading removal rates and status of meeting performance standards if updates were made during the reporting year.
8. A summary of the progress toward implementing the TMDL Implementation Plan and, if applicable, any changes to the TMDL implementation plan.
9. If applicable, notice that the Permittee is relying on another entity to satisfy some of the permit requirements as described in s. NR 216.075, Wis. Adm. Code.
10. A fiscal analysis which includes the annual expenditures and budget for the reporting year, and the budget for the next year.
11. A duly authorized representative of the Permittee shall sign and certify the annual report and include a statement or resolution that the Permittee's governing body or delegated representatives have reviewed or been apprised of the content of the annual report.

K. REAPPLICATION FOR PERMIT COVERAGE

To remain covered after the expiration date of this permit, pursuant to s. NR 216.09, Wis. Adm. Code, each Permittee shall submit a reapplication package to the Department by May 4, 2029, for continued coverage under a reissued version of this permit. The reapplication package shall include the following:

Note: Any number of Co-Permittees may choose to collaborate and submit a joint reapplication package. However, where individual Permittee information is needed, the joint reapplication package shall clearly identify the individual information or, Permittees may submit its individual information separate from the joint reapplication package.

1. The legal name, address, and telephone number of the municipal owner or operator or its authorized representative.
2. For each of the six storm water management programs, a summary of the actions taken to identify the measurable goal, actions taken to reach the measurable goal, metrics used to measure success, and evaluation results.
3. For each of the six storm water management programs, the proposed program modifications and measurable goals for the next permit term. This includes specific actions and activities or structural BMPs and expected dates of implementation.
4. An assessment of the proposed storm water management program's adequacy to reduce pollutants to the MEP. The assessment must include:
 - a) Explanation and rationale on how implementation of the programs provides the highest level of performance that is achievable during the next permit term considering other environmental problems, technical capability, current technology, and available resources.
 - b) Estimate water quality benefits from the proposed action. This includes proposed BMPs for pollutants causing impairments not included in a TMDL.
5. A fiscal evaluation summarizing program expenditures for the current permit cycle and projected program allocations for the next permit cycle.
6. Updated MS4 maps showing service boundary of the MS4, projected changes in land use and future growth, and industrial WPDES permittees which discharge to the MS4.

III. TOTAL MAXIMUM DAILY LOADS (TMDLs)

The requirements of this section apply to discharges covered under the Rock River TMDL and Milwaukee River Basin (MRB) TMDL as approved by USEPA on September 28, 2011, and March 9, 2018, respectively. The following Permittees shall complete the following:

Note: Updates to modeling used to demonstrate compliance with TMDL WLAs may be required in future permit terms due to changes in areas, changes to BMPs, or changes to TMDLs.

A. The Village of Lisbon shall:

1. Ensure continued operation and maintenance of all best management practices utilized to demonstrate compliance with its assigned Rock River TMDL WLAs.
2. Provide the following information with the fourth year MS4 Annual Report (due March 31, 2028) to confirm the TMDL WLAs are met in all TMDL reachsheds in which the Village's MS4 permitted area discharges.
 - a) A map identifying MS4 areas gained or lost due to annexation.

- b) The TMDL reached the changed area discharges.

B. The Town of Brookfield shall:

1. Obtain long-term maintenance authority on privately owned post-construction structural BMPs within the MRB TMDL drainage area.
2. By November 1, 2026, submit an updated MRB TMDL pollutant load reduction evaluation for TSS and TP to, at minimum, include the privately owned post-construction structural BMPs in which the Town obtained long-term maintenance authority. The updated evaluation must include:
 - a) The revised WinSLAMM input and output summary files (.txt). If additional information is necessary to conduct a review, the Department may request the modeling data.
 - b) In a tabular format, submit an updated MRB TMDL TSS and TP Tabular Summary.
 - i. An estimate of the current pollutant loading without considering implementation of BMPs (no controls load) and an estimate of the current pollutant loadings considering BMP implementation (with controls load).
 - ii. The difference between the no control load and with control load (existing load reduction) shall be expressed as a percent reduction.
 - iii. The assigned TMDL WLA percent reduction.
 - iv. The TMDL WLA percent reduction remaining.

Note: An example tabular format is provided in Table 4 (below).
3. If the updated tabular summary shows the Town is not achieving its assigned MRB TMDL WLAs for TSS and TP, the Town shall submit its proposed MRB TMDL Benchmark(s) to be completed during the next permit term with its permit reapplication package (due May 4, 2029). For each proposed MRB TMDL Benchmark, this submittal shall also include:
 - a) A description of the MRB TMDL Benchmark including the type of BMP, location, estimated drainage area, anticipated TSS and TP pollutant reductions and, anticipated schedule for implementation.
4. During the permit term, conduct at least one public education and outreach event within the Town to increase awareness of fecal bacteria in stormwater such as fecal bacteria pollution problems, potential sources, proper pet waste management, and the impacts of urban wildlife and pests in stormwater. A summary of the event shall be submitted with the permit reapplication package (due May 4, 2029).
5. By May 4, 2029, propose action(s), project(s), and/or event(s) to implement during the following permit term which will address, to the maximum extent practicable, fecal coliform entering its MS4. The proposed activity(s) should also include the rationale for the proposed activity(s) and the expected outcome from implementing the activity(s).

C. The Town of Delafield shall:

1. Complete swale infiltration rate field testing in Rock River TMDL Reachshed 55 (RR-55). Submit the infiltration rate field testing results to the Department by November 1, 2026.
2. Revise the Town’s WinSLAMM modeling based on the results of the swale infiltration rate field testing. By May 1, 2027, submit an updated Rock River TMDL pollutant load reduction evaluation for TSS and TP. The updated evaluation must include:
 - a) The revised WinSLAMM input and output summary files (.txt). If additional information is necessary to conduct a review, the Department may request the modeling data.
 - b) In a tabular format, submit an updated Rock River TMDL TSS and TP Tabular Summary.
 - i. An estimate of the current pollutant loading without considering implementation of BMPs (no controls load) and an estimate of the current pollutant loadings considering BMP implementation (with controls load).
 - ii. The difference between the no control load and with control load (existing load reduction) shall be expressed as a percent reduction.
 - iii. The assigned TMDL WLA percent reduction.
 - iv. The TMDL WLA percent reduction remaining.

Note: An example tabular format is provided in Table 4 (below).

- c) If the updated tabular summary shows the Town is not achieving its assigned Rock River TMDL WLAs for TSS and TP, the Town shall submit its proposed Rock River TMDL Benchmark(s) to be completed during the next permit term with its permit reapplication package (due May 4, 2029). For each proposed Rock River TMDL Benchmark, this submittal shall also include:
 - i. A description of the Rock River TMDL Benchmark including the type of BMP, location, estimated drainage area, anticipated TSS and TP pollutant reductions and, anticipated schedule for implementation.

Table 4: TSS and TP Tabular Summary Example Format

TMDL Reachshed	No Controls Load (weight, e.g., lbs)		With Controls Load (weight, e.g., lbs)		Existing Load Reduction (%)		Assigned TMDL WLA (%)		TMDL WLA % Reduction Remaining ¹	
	TSS	TP	TSS	TP	TSS	TP	TSS	TP	TSS	TP
Reachshed - XX										

¹ If existing load reduction is greater than assigned TMDL WLA, enter 0 for TMDL WLA % Reduction Remaining.

IV. IMPLEMENTATION SCHEDULE

Each Permittee shall comply with all permit conditions contained within the permit. Table 5 does not list all the requirements of the permit. Table 5 lists new or updated requirements which apply to all co-Permittees. Additional requirements may not be listed in Table 5. All required compliance documents shall be submitted electronically through the Department's electronic reporting system.

Note: The Department's electronic reporting system is Internet-based and available at: <https://dnr.wi.gov/permits/water/>. Municipal storm water permit eReporting information and user support tools can be found at: <https://dnr.wi.gov/topic/stormwater/municipal/eReporting.html>

Table 5: Implementation Schedule for Permit Requirements

PERMIT SECTION	ACTIVITY	COMPLIANCE DATE
I.J.1	Each Permittee shall determine whether any part of its MS4 discharges to an impaired water body.	By March 31 of each even-numbered year
II.A.1 and II.A.2	Submit Public Education and Outreach Written Program and Measurable Goal materials.	November 1, 2027
II.B.1 and II.B.2	Submit Public Involvement and Participation Written Program and Measurable Goal materials.	November 1, 2027
II.C.2 and II.C.3	Submit IDDE Written Program and Measurable Goal materials.	May 1, 2027
II.C.2.d)	Complete IDDE Program training.	At least once during the permit term
II.D.2 and II.D.3	Submit Construction Site Pollution Control Written Program and Measurable Goal materials.	November 1, 2026
II.D.2.e)	Complete Construction Site Pollution Control Program training.	At least once during the permit term
II.E.2 and II.E.3	Submit Post-Construction Storm Water Management Written Program and Measurable Goal materials.	November 1, 2026
II.E.2.c)	Inspect all municipally owned or operated post-construction BMPs and document inspections.	At least once every five years
II.F.1 through II.F.6	Submit Pollution Prevention Written Programs and Measurable Goal materials.	May 1, 2027
II.F.1.b)	Calibrate salt application equipment.	Annually
II.F.1.d)	Complete training on the Permittee's salt strategy.	No less than every other year

PERMIT SECTION	ACTIVITY	COMPLIANCE DATE
II.F.3.e)	Complete Street Sweeping and Catch Basin Cleaning training.	At least once during the permit term
II.F.4.b)	Complete leave and grass clipping collection training.	At least once during the permit term
II.F.5.a)(6)	Conduct and document SWPPP annual facility compliance inspections for each facility.	Annually
II.F.5.c)	Evaluate all SWPPPs.	At least once per permit term
II.F.5.e)	Submit any new or revised SWPPPs.	Upon completion or with the annual report of that reporting year
II.A.3, II.B.3, II.C.4, II.D.4, II.E.4, II.F.7	Submit for each stormwater management program, a summary actions taken to reach the program's measurable goal, metrics used to measure success, evaluation results, and proposed measurable goals for the next permit term.	May 4, 2029
II.J	Submit MS4 Annual Report.	March 31 each year
II.K	Submit Reapplication for Permit Coverage Materials.	May 4, 2029
III.A through III.C	The Village of Lisbon, Town of Brookfield, and Town of Delafield complete and submit TMDL permit conditions.	See permit section III for compliance dates.

V. STANDARD CONDITIONS

The conditions in s. NR 205.07(1) and (3), Wis. Adm. Code, are incorporated by reference in this permit. The Permittee shall meet these requirements. Some of these requirements are outlined below in paragraph A. to R. Requirements not specifically outlined below can be found in s. NR 205.07(1) and (3), Wis. Adm. Code.

A. DUTY TO COMPLY:

The Permittee shall comply with all conditions of the permit. Any permit noncompliance is a violation of the permit and is grounds for enforcement action, permit revocation or modification, or denial of a permit reissuance application.

B. COMPLIANCE SCHEDULES:

Reports of compliance or noncompliance with interim and final requirements contained in any compliance schedule of the permit shall be submitted in writing within 14 days after the schedule date, except that progress reports shall be submitted in writing on or before each

schedule date for each report. Any report of noncompliance shall include the cause of noncompliance, a description of remedial actions taken, and an estimate of the effect of the noncompliance on the municipality's ability to meet the remaining schedule dates.

C. NONCOMPLIANCE NOTIFICATION:

1. Upon becoming aware of any permit noncompliance including noncompliance that may endanger public health or the environment, the Permittee shall report this information by a telephone call to the Department within 24 hours. A written report describing the noncompliance shall be submitted to the Department within 5 days after the municipality became aware of the noncompliance. The Department may waive the written report on a case-by-case basis based on the oral report received within 24 hours. The written report shall contain a description of the noncompliance and its cause; the period of noncompliance, including exact dates and times; the steps taken or planned to reduce, eliminate, and prevent reoccurrence of the noncompliance; and if the noncompliance has not been corrected, the length of time it is expected to continue.

NOTE: Section 292.11(2)(a), Wisconsin Statutes, requires any person who possesses or controls a hazardous substance or who causes the discharge of a hazardous substance to notify the Department of Natural Resources immediately of any discharge not authorized by the permit. The discharge of a hazardous substance that is not authorized by this permit or that violates this permit may be a hazardous substance spill. To report a hazardous substance spill, call DNR's 24-hour HOTLINE at 1-800-943-0003.

2. Reports of any other noncompliance not covered under General Condition's B, C.1, or E shall be submitted with the annual report. The reports shall contain all the information listed in General Condition C.1.

D. DUTY TO MITIGATE

The Permittee shall take all reasonable steps to minimize or prevent any adverse impact on the waters of the state resulting from noncompliance with the permit.

E. SPILL REPORTING

The Permittee shall immediately notify the Department, in accordance with s. 292.11(2)(a), Wis. Stats., which requires any person who possesses or controls a hazardous substance or who causes the discharge of a hazardous substance to notify the DNR immediately of any discharge not authorized by the permit. The discharge of a hazardous substance that is not authorized by this permit or that violates this permit may be a hazardous substance spill. To report a hazardous substance spill, call the DNR's 24-hour HOTLINE at 1-800-943-0003.

Note: For details on state and federal reportable quantities, visit:

<https://dnr.wi.gov/topic/Spills/define.html>

F. PROPER OPERATION AND MAINTENANCE:

The Permittee shall at all times properly operate and maintain all facilities and systems of treatment and control which are installed or used by the municipality to achieve compliance

with the conditions of the permit and the storm water management program. Proper operation and maintenance includes effective performance, adequate funding, adequate operator staffing and training and adequate laboratory and process controls, including appropriate quality assurance procedures. This provision requires the operation of back-up or auxiliary facilities or similar systems only when necessary to achieve compliance with conditions of this permit.

G. BYPASS:

The Permittee may temporarily bypass storm water treatment facilities if necessary for maintenance, or due to runoff from a storm event which exceeds the design capacity of the treatment facility, or during an emergency.

H. DUTY TO HALT OR REDUCE ACTIVITY:

Upon failure or impairment of best management practices identified in the storm water management program, the Permittee shall, to the extent practicable and necessary to maintain permit compliance, modify or curtail operations until the best management practices are restored, or an alternative method of storm water pollution control is provided.

I. REMOVED SUBSTANCES:

Solids, sludges, filter backwash or other pollutants removed from or resulting from treatment or control of storm water shall be stored and disposed of in a manner to prevent any pollutant from the materials from entering the waters of the state, and to comply with all applicable Federal, State, and Local regulations.

J. ADDITIONAL MONITORING:

If a Permittee monitors any pollutant more frequently than required by the permit, the results of that monitoring shall be recorded and reported in accordance with this chapter. Results of this additional monitoring shall be included in the calculation and reporting of the data submitted in the annual report.

K. INSPECTION AND ENTRY:

The Permittee shall allow an authorized representative of the Department, upon the presentation of credentials, to:

1. Enter upon the municipal premises where a regulated facility or activity is located or conducted, or where records are required under the conditions of the permit.
2. Have access to and copy, at reasonable times, any records that are required under the conditions of the permit.
3. Inspect at reasonable times any facilities, equipment (including monitoring and control equipment), practices or operations regulated or required under the permit.
4. Sample or monitor at reasonable times, for the purposes of assuring permit compliance, any substances or parameters at any location.

L. DUTY TO PROVIDE INFORMATION:

The Permittee shall furnish the Department, within a reasonable time, any information which the Department may request to determine whether cause exists for modifying, revoking or

reissuing the permit or to determine compliance with the permit. The municipality shall also furnish the Department, upon request, copies of records required to be kept by the municipality.

M. PROPERTY RIGHTS:

The permit does not convey any property rights of any sort, or any exclusive privilege. The permit does not authorize any injury or damage to private property or an invasion of personal rights, or any infringement of federal, state or local laws or regulations.

N. DUTY TO REAPPLY:

If the Permittee wishes to continue an activity regulated by the permit after the expiration date of the permit, the municipality shall apply for a new permit at least 180 days prior to the expiration date of the permit. If a timely and complete application for a new permit is filed and the permit is not reissued by the time the existing permit expires, the existing permit remains in effect until the application is acted upon.

O. OTHER INFORMATION:

When a Permittee becomes aware that it failed to submit any relevant facts in a permit application or submitted incorrect information in a permit application or in any report to the Department, it shall promptly submit such facts or correct information to the Department.

P. RECORDS RETENTION:

The Permittee shall retain records of all monitoring information, copies of all reports required by the permit, and records of all data used to complete the application for the permit for a period of at least 5 years from the date of the sample, measurement, report or application. The Department may request that this period be extended by issuing a public notice to modify the permit to extend this period.

Q. PERMIT ACTIONS:

As provided in s. 283.53, Wis. Stats., after notice and opportunity for a hearing, the permit may be modified or revoked and reissued for cause. If a municipality files a request for a permit modification, revocation or reissuance, or a notification of planned changes or anticipated noncompliance, this action by itself does not relieve the municipality of any permit condition.

R. SIGNATORY REQUIREMENT:

All applications, reports or information submitted to the Department shall be signed for by a ranking elected official, or other person authorized by them who has responsibility for the overall operation of the municipal separate storm sewer system and storm water management program activities regulated by the permit. The representative shall certify that the information was gathered and prepared under their supervision and based on inquiry of the people directly under their supervision that, to the best of their knowledge, the information is true, accurate, and complete.

S. ENFORCEMENT ACTION:

The Department is authorized under ss. 283.89 and 283.91, Wis. Stats., to use citations or referrals to the Department of Justice to enforce the conditions of this permit. Violation of a condition of this permit is subject to a fine of up to \$10,000 per day of violation.

T. ATTAINMENT OF WATER QUALITY STANDARDS AFTER AUTHORIZATION:

Except for situations where a TMDL has been approved by US EPA during the permit term, at any time after authorization, the Department may determine that the discharge of storm water from a Permittee's MS4 may cause, have the reasonable potential to cause, or contribute to an excursion of any applicable water quality standard. If such determination is made, the Department may require the Permittee to do one of the following:

1. Develop and implement an action plan to address the identified water quality concern to the satisfaction of the Department.
2. Submit valid and verifiable data and information that are representative of ambient conditions to demonstrate to the Department that the receiving water or groundwater is attaining the water quality standard.

VI. DEFINITIONS

Definitions for some of the terms found in this permit are as follows:

1. **Construction Site** means an area upon which one or more land disturbing construction activities occur that in total will disturb one acre or more of land, including areas that are part of a larger common plan of development or sale where multiple separate and distinct land disturbing construction activities may be taking place at different times on different schedules but under one plan such that the total disturbed area is one acre or more. A long-range planning document that describes separate construction projects, such as a 20-year transportation improvement plan, is not a common plan of development.
2. **Department** means the Wisconsin Department of Natural Resources.
3. **Development** means residential, commercial, industrial and institutional land uses and associated roads.
4. **Erosion** means the process by which the land's surface is worn away by the action of wind, water, ice or gravity.
5. **Hazardous substance** means any substance or combination of substances including any waste of a solid, semisolid, liquid or gaseous form which may cause or significantly contribute to an increase in mortality or an increase in serious irreversible or incapacitating reversible illness or which may pose a substantial present or potential hazard to human health or the environment because of its quantity, concentration or physical, chemical or infectious characteristics. This term includes, but is not limited to, substances which are toxic, corrosive, flammable, irritants, strong sensitizers or explosives as determined by the Department.
6. **Illicit connection** means any man-made conveyance connecting an illicit discharge to a municipal separate storm sewer system.

- 7. Illicit discharge** means any discharge to a municipal separate storm sewer system that is not composed entirely of storm water except discharges authorized by a WPDES permit or other discharge not requiring a WPDES permit such as landscape irrigation, individual residential car washing, firefighting, diverted stream flows, uncontaminated groundwater infiltration, uncontaminated pumped groundwater, discharges from potable water sources, foundation drains, air conditioning condensation, irrigation water, lawn watering, flows from riparian habitats and wetlands, and similar discharges. However, the occurrence of a discharge listed above may be considered an illicit discharge on a case-by-case basis if the Permittee or the Department identifies it as a significant source of a pollutant to waters of the state.
- 8. Impaired water** means a waterbody impaired in whole or in part and listed by the Department pursuant to 33 USC § 1313(d)(1)(A) and 40 CFR 130.7, for not meeting a water quality standard, including a water quality standard for a specific substance or the waterbody's designated use.
- 9. Inactive site** a site that is stabilized prior to winter in which no construction activities will take place. For example, the site operator may complete mass grading and BMP construction in summer, stabilize the site, and resume construction the following spring. An inactive site could also be a site for which permits issued, but land disturbing activity has not yet started.
- 10. Infiltration** means the entry and movement of precipitation or runoff into or through soil.
- 11. Jurisdiction** means the area where the Permittee has authority to enforce its ordinances or otherwise has authority to exercise control over a particular activity of concern.
- 12. Land disturbing construction activity** means any man-made alteration of the land surface resulting in a change in the topography or existing vegetative or non-vegetative soil cover that may result in storm water runoff and lead to increased soil erosion and movement of sediment into waters of the state. Land disturbing construction activity includes clearing and grubbing, demolition, excavating, pit trench dewatering, filling and grading activities.
- 13. Major outfall** means a municipal separate storm sewer outfall that meets one of the following criteria:

 1. A single pipe with an inside diameter of 36 inches or more, or from an equivalent conveyance (cross sectional area of 1,018 square inches) which is associated with a drainage area of more than 50 acres.
 2. A municipal separate storm sewer system that receives storm water runoff from lands zoned for industrial activity that is associated with a drainage area of more than 2 acres or from other lands with 2 or more acres of industrial activity, but not land zoned for industrial activity that does not have any industrial activity present.
- 14. Minor Outfall** means a municipal separate storm sewer outfall that does not fit the criteria for major outfall.

- 15. Municipally Operated BMP** means a permanent, structural storm water management practice or BMP that is not owned by the municipality, but for which the municipality has an obligation to ensure the BMP is maintained under a maintenance agreement with the owner and takes credit for pollutants removed by the BMP.
- 16. Municipally Owned BMP** means a structural storm water management practice or BMP which is owned by the municipality (the Permittee).
- 17. Municipal Separate Storm Sewer System or MS4** means a conveyance or system of conveyances including roads with drainage systems, municipal streets, catch basins, curbs, gutters, ditches, constructed channels or storm drains, which meets all of the following criteria:

 1. Owned or operated by a municipality.
 2. Designed or used for collecting or conveying storm water.
 3. Which is not a combined sewer conveying both sanitary and storm water.
 4. Which is not part of a publicly owned wastewater treatment works that provides secondary or more stringent treatment.
- 18. Municipality** means any city, town, City, county, county utility district, town sanitary district, town utility district, school district or metropolitan sewage district or any other public entity created pursuant to law and having authority to collect, treat or dispose of sewage, industrial wastes, storm water or other wastes.
- 19. New MS4 discharge of a pollutant** means an MS4 discharge that would first occur after the permittee's original date of initial coverage under an MS4 permit to a surface water to which the MS4 did not previously discharge storm water, and does not include an increase in an MS4's discharge to a surface water to which the MS4 discharged on or before coverage under this permit.
- 20. Outfall** means the point at which storm water is discharged to waters of the state or to a storm sewer (e.g., leaves one municipality and enters another).
- 21. Permittee** means a person who has applied for and received WPDES permit coverage for storm water discharge. For the purposes of this permit, Permittee is the owner or operator of a municipal separate storm sewer system authorized to discharge storm water into waters of the state.
- 22. Permitted area** means the areas of land under the jurisdiction of the Permittee that drains into a municipal separate storm sewer system, which is regulated under a permit issued pursuant to subch. I of ch. NR 216, Wis. Adm. Code.
- 23. Pollutants of concern** means a pollutant that is causing impairment of a waterbody.

24. **Priority Outfall** means any MS4 outfall the Permittee determined is a priority. Where major and minor outfalls are based upon on pipe and/or drainage area, priority outfalls may be based upon contributing drainage area characteristics, land uses, or known or unknown likelihood of illicit discharges.
25. **Reach** means a specific stream segment, lake or reservoir as identified in a TMDL.
26. **Reachshed** means the drainage area contributing runoff to a given reach.
27. **Redevelopment** means areas where development is replacing older development.
28. **Riparian landowners** are the owners of lands bordering lakes and rivers.
29. **Sediment** means settleable solid material that is transported by runoff, suspended within runoff or deposited by runoff away from its original location.
30. **Start Date** is the date of permit coverage under this permit, which is specified in the Department letter authorizing coverage.
31. **Storm water management practice or Best Management Practice (BMP)** means structural or non-structural measures, practices, techniques or devices employed to avoid or minimize soil, sediment or pollutants carried in stormwater runoff to waters of the state.
32. **Storm Water Pollution Prevention Plan or SWPPP** refers to the development of a site-specific plan that describes the measures and controls that will be used to prevent and/or minimize pollution of storm water.
33. **Total maximum daily load or TMDL** means the amount of pollutants specified as a function of one or more water quality parameters, that can be discharged per day into a water quality limited segment and still ensure attainment of the applicable water quality standard.
34. **Urbanized area** means a place and the adjacent densely settled surrounding territory that together have a minimum population of 50,000 people, as determined by the U.S. bureau of the census based on the latest decennial federal census.
35. **Wasteload Allocation or WLA** means the allocation resulting from the process of distributing or apportioning the total maximum daily load to each individual point source discharge.
36. **Waters of the State** has the meaning given it in s. 283.01(20), Wis. Stats.
37. **WPDES permit** means a Wisconsin Pollutant Discharge Elimination System permit issued pursuant to ch. 283, Wis. Stats.

Attachment D

Fiscal Analysis Worksheets

Spreadsheet for Fiscal Analysis Portion of City of Pewaukee's 2024 MS4 Annual Report

	Budget for Reporting Year	Annual Expenditures for Reporting year	Budget for Upcoming Year
Public Education and Outreach	\$1,500.00	\$1,465.50	\$1,500.00
Public Involvement and Participation	\$1,500.00	\$1,465.50	\$1,500.00
Illicit Discharge Detection and Elimination	\$3,310.00	\$3,930.00	\$3,470.00
Construction Site Pollution Control	\$45,790.00	\$126,730.00	\$41,316.00
Post-Construction Storm Water Management	\$45,790.00	\$28,510.00	\$51,316.00
Pollution Prevention	\$3,038,502.00	\$2,162,386.09	\$2,900,467.06
Storm Water Quality Management	\$225,000.00	\$105,935.00	\$100,000.00
Storm Sewer System Map	\$5,000.00	\$0.00	\$5,000.00
Totals	\$3,366,392.00	\$2,430,422.09	\$3,104,569.06

Public Information and Outreach

Budget for Reporting Year	\$1,500.00
Expenditures for Reporting Year	\$1,465.50
Budget for Upcoming year	\$1,500.00

Budget item for reporting purposes is identified as Permit Compliance-Information and Education and includes contracted amount to Waukesha County. This dollar figure is half of the reported/budgeted number as the Public Involvement and Participation program is included in here as well.

Note: for upcoming year budget, dollars are estimated for reporting purposes and may not necessarily correspond to the City's Budget summary. DNR categories do not correspond to City Budget Accounting Fields.

Public Involvement and Participation

Budget for Reporting Year	\$1,500.00
Expenditures for Reporting Year	\$1,465.50
Budget for Upcoming year	\$1,500.00

Budget item for reporting purposes is identified as Permit Compliance-Information and Education and includes contracted amount to Waukesha County. This dollar figure is half of the reported/budgeted number as the Public Education and Outreach program is included in here as well.

Note: for upcoming year budget, dollars are estimated for reporting purposes and may not necessarily correspond to the City's Budget summary. DNR categories do not correspond to City Budget Accounting Fields.

Illicit Discharge Detection and Elimination Program

Budget item for reporting purposes is an estimation of Engineering Technicians time and Civil Engineers time to inspect identified MSA outfalls and review reports. Costs will include estimates of time spent pursuing spills/dumping complaints by Engineering Staff and by City Fire Services.

Reporting Year Mileage Rate (Budget):
Budget Year Mileage Rate:

0.67
0.70

Note: for upcoming year budget, dollars are estimated for reporting purposes and may not necessarily correspond to the City's Budget summary. DNR categories do not correspond to City Budget Accounting Fields. Fire Dept. projections are not included for budget purposes as Fire is a 24/7 service and is a required service regardless of whether or not a spill occurs.

	Budget for Reporting Year			Annual Expenditures for Reporting Year			Budget Upcoming Year		
	Hourly Wage	Hours	Cost	Hourly Wage	Hours	Cost	Hourly Wage	Hours	Cost
Engineering Staff									
Engineering Technician	\$57.86	40.00	\$2,314.40	\$57.86	40.00	\$2,314.40	\$61.38	40.00	\$2,455.20
Senior Engineering Technician	\$60.48	4.00	\$241.92	\$60.48	0.00	\$0.00	\$63.44	4.00	\$253.76
Civil Engineer	\$65.77	6.00	\$394.62	\$65.77	0.00	\$0.00	\$67.10	6.00	\$402.60
Chief Engineer-Utilities	\$95.18	2.00	\$190.36	\$95.18	3.75	\$356.93	\$98.52	2.00	\$197.04
Chief Engineer-Roads/Develop	\$93.28	0.00	\$0.00	\$93.28	0.00	\$0.00	\$97.48	0.00	\$0.00
DPW Director	\$125.48	1.00	\$125.48	\$125.48	0.00	\$0.00	\$131.76	1.00	\$131.76
Mileage costs			\$33.50			\$18.76			\$21.00
			\$3,300.28			\$2,690.09			\$3,461.36
			Subtotal			Subtotal			Subtotal
Fire Department Staff									
Battalion Chief	\$99.45	0.00	0.00	\$99.45	0.25	\$24.86	\$103.84	0.00	\$0.00
Fire Paid on Premise Driver/Paramedic	\$0.00	0.00	0.00	\$0.00	0.00	\$0.00	\$0.00	0.00	\$0.00
Fire Paid on Premise Fire Fighter/EMT	\$44.54	0.00	0.00	\$44.54	1.50	\$66.81	\$44.54	0.00	\$0.00
Fire Paid on Premise Paramedic	\$45.64	0.00	0.00	\$45.64	1.00	\$45.64	\$46.56	0.00	\$0.00
Ladder Truck Costs	\$800.00	0.00	0.00	\$800.00	0.00	\$0.00	\$800.00	0.00	\$0.00
Engine Costs	\$760.00	0.00	0.00	\$760.00	0.75	\$570.00	\$760.00	0.00	\$0.00
Ambulance Costs	\$500.00	0.00	0.00	\$500.00	1.00	\$500.00	\$625.00	0.00	\$0.00
Command Vehicle Costs	\$130.00	0.00	0.00	\$130.00	0.25	\$32.50	\$130.00	0.00	\$0.00
			0.00			\$1,239.81			\$0.00
			Subtotal			Subtotal			Subtotal
			3,300.28			\$3,929.90			\$3,461.36
			Total			Total			Total
			3,310.00			3,930.00			\$3,470.00
			Use			Use			Use

2024: Re-calculated Engine cost assumed based on apparatus cost of 760,000 with 10 year life cycle and 100 hours of use per year.
 2024: Re-calculated Command Vehicle assumed based on cost of 65,000 with 8 year life cycle and 100 hours of use per year.
 2024: Re-calculated ALS Unit assumed based on cost of 375,000 with 6 year life cycle and 100 hours of use per year.
 2024: Ladder Truck cost assumed based on apparatus cost of 1,200,000 with a 15 year life cycle and 100 hours of use per year.
 Mileage costs based on vehicle distance of 28 miles (expenditures-63 miles@0.67) and for 2024 50 miles (budget) at mileage rate of 67 cents per mile and for 2025 30 miles at 70 cents per mile.
 Wages based upon hourly rate multiplied by 2.0 to account for benefits, etc. and to match current bill back rates used by accounting.

Construction Site Pollutant Control Program

Note: The City's Construction Site Pollution Control Program includes compliance inspections, enforcement, erosion control plan review and permitting. The financial estimates contained in this spreadsheet are for construction sites over an acre only and do not include estimates of Building Inspection costs. Developer driven expenditures are generally billed back to the Developer. Budget dollars are taken from line items under "Permit Compliance" in the Storm Water Utility Budget (one half of Numbers 230-53656-51290 and 230-53656-51950 and all of 230-53656-53530).

Budget for Reporting Year **\$45,790.00** Budget for Upcoming Year **\$41,316.00**

Annual Expenditures for Reporting Year **\$126,730.00**

Project		Wages	Hours	Total
Swan View Farms Phase 1	R/M Bills			\$2,940.44
	AECOM Bills			\$0.00
	Engineer Tech	\$59.88	0.00	\$0.00
	Sr. Engineer Tech	\$60.48	0.00	\$0.00
	Civil Engineer	\$65.78	1.75	\$115.12
	Chief Engineer-Utilities	\$95.18	0.50	\$47.59
	Chief Engineer-Roads/Develop	\$93.28	0.00	\$0.00
	DPW Director	\$125.48	0.00	\$0.00
	Total			\$3,103.15
Swan View Farms Phase 2	R/M Bills			\$4,571.05
	AECOM Bills			\$0.00
	Engineer Tech	\$59.88	0.00	\$0.00
	Sr. Engineer Tech	\$60.48	0.00	\$0.00
	Civil Engineer	\$65.78	1.75	\$115.12
	Chief Engineer-Utilities	\$95.18	1.75	\$166.57
	Chief Engineer-Roads/Develop	\$93.28	0.00	\$0.00
	DPW Director	\$125.48	0.00	\$0.00
	Total			\$4,852.73
Waters Senior Living	R/M Bills			\$4,160.12
	AECOM Bills			\$0.00
	Engineer Tech	\$59.88	0.00	\$0.00
	Sr. Engineer Tech	\$60.48	0.25	\$15.12
	Civil Engineer	\$65.78	1.75	\$115.12
	Chief Engineer-Utilities	\$95.18	5.25	\$499.70
	Chief Engineer-Roads/Develop	\$93.28	0.00	\$0.00
	DPW Director	\$125.48	0.00	\$0.00
	Total			\$4,790.05
Woodleaf Reserve Phase 5	R/M Bills			\$4,842.19
	AECOM Bills			\$0.00
	Engineer Tech	\$59.88	0.00	\$0.00
	Sr. Engineer Tech	\$60.48	0.25	\$15.12
	Civil Engineer	\$65.78	1.75	\$115.12
	Chief Engineer-Utilities	\$95.18	4.50	\$428.31
	Chief Engineer-Roads/Develop	\$93.28	0.00	\$0.00
	DPW Director	\$125.48	0.00	\$0.00
	Total			\$5,400.74
WVRC Emergency Vet Clinic	R/M Bills			\$11,365.50
	AECOM Bills			\$0.00
	Engineer Tech	\$59.88	0.00	\$0.00
	Sr. Engineer Tech	\$60.48	0.25	\$15.12
	Civil Engineer	\$65.78	2.50	\$164.45
	Chief Engineer-Utilities	\$95.18	17.00	\$1,618.06
	Chief Engineer-Roads/Develop	\$93.28	13.00	\$1,212.64
	DPW Director	\$125.48	0.00	\$0.00
	Total			\$13,385.77

Total \$14,375.77

Klein-Dickert Building Expansion			
	Wages	Hours	Total
R/M Bills			\$5,850.71
AECOM Bills			\$0.00
Engineer Tech	\$59.88	0.00	\$0.00
Sr. Engineer Tech	\$60.48	0.50	\$30.24
Civil Engineer	\$65.78	1.25	\$82.23
Chief Engineer-Utilities	\$95.18	8.50	\$809.03
Chief Engineer-Roads/Develop	\$93.28	0.00	\$0.00
DPW Director	\$125.48	0.00	\$0.00
Total			\$6,772.21

Cardinal Meadow Subdivision			
	Wages	Hours	Total
R/M Bills			\$8,590.74
AECOM Bills			\$0.00
Engineer Tech	\$59.88	0.00	\$0.00
Sr. Engineer Tech	\$60.48	0.25	\$15.12
Civil Engineer	\$65.78	2.00	\$131.56
Chief Engineer-Utilities	\$95.18	5.25	\$499.70
Chief Engineer-Roads/Develop	\$93.28	0.00	\$0.00
DPW Director	\$125.48	0.00	\$0.00
Total			\$9,237.12

Lakeland Building Addition			
	Wages	Hours	Total
R/M Bills			\$3,908.82
AECOM Bills			\$0.00
Engineer Tech	\$59.88	0.00	\$0.00
Sr. Engineer Tech	\$60.48	0.25	\$15.12
Civil Engineer	\$65.78	0.50	\$32.89
Chief Engineer-Utilities	\$95.18	2.00	\$190.36
Chief Engineer-Roads/Develop	\$93.28	0.00	\$0.00
DPW Director	\$125.48	0.00	\$0.00
Total			\$4,147.19

Ancient Oaks/Cedar Gables Development			
	Wages	Hours	Total
R/M Bills			\$7,961.02
AECOM Bills			\$0.00
Engineer Tech	\$59.88	0.00	\$0.00
Sr. Engineer Tech	\$60.48	4.00	\$241.92
Civil Engineer	\$65.78	0.75	\$49.34
Chief Engineer-Utilities	\$95.18	19.50	\$1,856.01
Chief Engineer-Roads/Develop	\$93.28	75.00	\$6,996.00
DPW Director	\$125.48	0.00	\$0.00
Total			\$17,104.29

Scot Industries Building Expansion			
	Wages	Hours	Total
R/M Bills			\$0.00
AECOM Bills			\$0.00
Engineer Tech	\$59.88	0.00	\$0.00
Sr. Engineer Tech	\$60.48	7.00	\$423.36
Civil Engineer	\$65.78	0.00	\$0.00
Chief Engineer-Utilities	\$95.18	3.25	\$309.34
Chief Engineer-Roads/Develop	\$93.28	30.75	\$2,868.36
DPW Director	\$125.48	0.00	\$0.00
Total			\$3,601.06

Uzelac Industries			
	Wages	Hours	Total
R/M Bills			\$734.46
AECOM Bills			\$0.00
Engineer Tech	\$59.88	0.00	\$0.00
Sr. Engineer Tech	\$60.48	0.25	\$15.12
Civil Engineer	\$65.78	7.50	\$493.35
Chief Engineer-Utilities	\$95.18	0.00	\$0.00
Chief Engineer-Roads/Develop	\$93.28	20.50	\$1,912.24
DPW Director	\$125.48	0.00	\$0.00
Total			\$3,155.17

Pewaukee Sports Complex Turf Replacement			
	Wages	Hours	Total
R/M Bills			\$0.00
AECOM Bills			\$0.00

Engineer Tech	\$59.88	0.00	\$0.00
Sr. Engineer Tech	\$60.48	22.00	\$1,330.56
Civil Engineer	\$65.78	0.00	\$0.00
Chief Engineer-Utilities	\$95.18	0.75	\$71.39
Chief Engineer-Roads/Develop	\$93.28	0.00	\$0.00
DPW Director	\$125.48	0.00	\$0.00

Total \$1,401.95

Hill-N-Dale Drainage Improvements

	Wages	Hours	Total
R/M Bills			\$6,659.87
AECOM Bills			\$0.00
Engineer Tech	\$59.88	0.00	\$0.00
Sr. Engineer Tech	\$60.48	0.00	\$0.00
Civil Engineer	\$65.78	0.00	\$0.00
Chief Engineer-Utilities	\$95.18	5.50	\$523.49
Chief Engineer-Roads/Develop	\$93.28	0.00	\$0.00
DPW Director	\$125.48	0.00	\$0.00

Total \$7,183.36

Shady Ln/Shady Nook Road Reconstruction

	Wages	Hours	Total
R/M Bills			\$6,582.75
AECOM Bills			\$0.00
Engineer Tech	\$59.88	0.00	\$0.00
Sr. Engineer Tech	\$60.48	0.00	\$0.00
Civil Engineer	\$65.78	0.00	\$0.00
Chief Engineer-Utilities	\$95.18	3.00	\$285.54
Chief Engineer-Roads/Develop	\$93.28	0.00	\$0.00
DPW Director	\$125.48	0.00	\$0.00

Total \$6,868.29

Ridgeview Multi-Family/Interstate Partners

	Wages	Hours	Total
R/M Bills			\$0.00
AECOM Bills			\$0.00
Engineer Tech	\$59.88	0.00	\$0.00
Sr. Engineer Tech	\$60.48	10.50	\$635.04
Civil Engineer	\$65.78	0.00	\$0.00
Chief Engineer-Utilities	\$95.18	7.25	\$690.06
Chief Engineer-Roads/Develop	\$93.28	0.00	\$0.00
DPW Director	\$125.48	0.00	\$0.00

Total \$1,325.10

Joseph Road Reconstruction

	Wages	Hours	Total
R/M Bills			\$3,720.22
AECOM Bills			\$0.00
Engineer Tech	\$59.88	0.00	\$0.00
Sr. Engineer Tech	\$60.48	0.00	\$0.00
Civil Engineer	\$65.78	0.00	\$0.00
Chief Engineer-Utilities	\$95.18	2.75	\$261.75
Chief Engineer-Roads/Develop	\$93.28	0.00	\$0.00
DPW Director	\$125.48	0.00	\$0.00

Total \$3,981.97

Takoma Hills Road Reconstruction Phase 1

	Wages	Hours	Total
R/M Bills			\$5,063.02
Strand Bills			\$0.00
Engineer Tech	\$59.88	0.00	\$0.00
Sr. Engineer Tech	\$60.48	0.00	\$0.00
Civil Engineer	\$65.78	0.00	\$0.00
Chief Engineer-Utilities	\$95.18	1.75	\$166.57
Chief Engineer-Roads/Develop	\$93.28	0.00	\$0.00
DPW Director	\$125.48	0.00	\$0.00

Total \$5,229.59

Pewaukee DPW Facility Phase 1

	Wages	Hours	Total
R/M Bills			\$0.00
AECOM Bills			\$0.00
Engineer Tech	\$59.88	30.50	\$1,826.34
Sr. Engineer Tech	\$60.48	0.00	\$0.00
Civil Engineer	\$65.78	0.00	\$0.00
Chief Engineer-Utilities	\$95.18	1.50	\$142.77
Chief Engineer-Roads/Develop	\$93.28	0.00	\$0.00
DPW Director	\$125.48	0.00	\$0.00

Total \$1,969.11

Pewaukee DPW Facility Phase 2			
	Wages	Hours	Total
R/M Bills			\$0.00
AECOM Bills			\$0.00
Engineer Tech	\$59.88	30.25	\$1,811.37
Sr. Engineer Tech	\$60.48	0.00	\$0.00
Civil Engineer	\$65.78	0.00	\$0.00
Chief Engineer-Utilities	\$95.18	1.25	\$118.98
Chief Engineer-Roads/Develop	\$93.28	0.00	\$0.00
DPW Director	\$125.48	0.00	\$0.00
Total			\$1,930.35

Apple Tree - Pear Tree Road Reconstruction			
	Wages	Hours	Total
R/M Bills			\$4,483.97
AECOM Bills			\$0.00
Engineer Tech	\$59.88	0.00	\$0.00
Sr. Engineer Tech	\$60.48	0.00	\$0.00
Civil Engineer	\$65.78	0.00	\$0.00
Chief Engineer-Utilities	\$95.18	3.75	\$356.93
Chief Engineer-Roads/Develop	\$93.28	0.00	\$0.00
DPW Director	\$125.48	0.00	\$0.00
Total			\$4,840.90

Green Road Industrial Bldg/Interstate Partners			
	Wages	Hours	Total
R/M Bills			\$2,645.15
AECOM Bills			\$0.00
Engineer Tech	\$59.88	0.00	\$0.00
Sr. Engineer Tech	\$60.48	1.00	\$60.48
Civil Engineer	\$65.78	1.75	\$115.12
Chief Engineer-Utilities	\$95.18	6.00	\$571.08
Chief Engineer-Roads/Develop	\$93.28	0.00	\$0.00
DPW Director	\$125.48	0.00	\$0.00
Total			\$3,391.83

Radiant Plastic Surgery			
	Wages	Hours	Total
R/M Bills			\$2,940.44
AECOM Bills			\$0.00
Engineer Tech	\$59.88	0.00	\$0.00
Sr. Engineer Tech	\$60.48	0.00	\$0.00
Civil Engineer	\$65.78	0.25	\$16.45
Chief Engineer-Utilities	\$95.18	4.00	\$380.72
Chief Engineer-Roads/Develop	\$93.28	13.25	\$1,235.96
DPW Director	\$125.48	0.00	\$0.00
Total			\$4,573.57

Lindsay/Balmer Water Main Loop			
	Wages	Hours	Total
R/M Bills			\$0.00
AECOM Bills			\$0.00
Engineer Tech	\$59.88	0.00	\$0.00
Sr. Engineer Tech	\$60.48	24.00	\$1,451.52
Civil Engineer	\$65.78	0.00	\$0.00
Chief Engineer-Utilities	\$95.18	4.50	\$428.31
Chief Engineer-Roads/Develop	\$93.28	0.00	\$0.00
DPW Director	\$125.48	0.00	\$0.00
Total			\$1,879.83

Quattro Ealy Childhood			
	Wages	Hours	Total
R/M Bills			\$0.00
AECOM Bills			\$0.00
Engineer Tech	\$59.88	0.00	\$0.00
Sr. Engineer Tech	\$60.48	0.00	\$0.00
Civil Engineer	\$65.78	0.00	\$0.00
Chief Engineer-Utilities	\$95.18	3.00	\$285.54
Chief Engineer-Roads/Develop	\$93.28	17.25	\$1,609.08
DPW Director	\$125.48	0.00	\$0.00
Total			\$1,894.62

Pewaukee Townhomes			
	Wages	Hours	Total
R/M Bills			\$0.00
AECOM Bills			\$0.00
Engineer Tech	\$59.88	0.00	\$0.00
Sr. Engineer Tech	\$60.48	0.00	\$0.00
Civil Engineer	\$65.78	7.25	\$476.91

Chief Engineer-Utilities	\$95.18	0.00	\$0.00
Chief Engineer-Roads/Develop	\$93.28	7.00	\$652.96
DPW Director	\$125.48	0.00	\$0.00
Total			\$1,129.87

The Courtyard at Pewaukee			
	Wages	Hours	Total
R/M Bills			\$0.00
AECOM Bills			\$0.00
Engineer Tech	\$59.88	0.00	\$0.00
Sr. Engineer Tech	\$60.48	0.00	\$0.00
Civil Engineer	\$65.78	0.00	\$0.00
Chief Engineer-Utilities	\$95.18	0.00	\$0.00
Chief Engineer-Roads/Develop	\$93.28	14.75	\$1,375.88
DPW Director	\$125.48	0.00	\$0.00
Total			\$1,375.88

Hindu Temple Parking Lot Expansion			
	Wages	Hours	Total
R/M Bills			\$0.00
AECOM Bills			\$0.00
Engineer Tech	\$59.88	0.00	\$0.00
Sr. Engineer Tech	\$60.48	0.00	\$0.00
Civil Engineer	\$65.78	0.00	\$0.00
Chief Engineer-Utilities	\$95.18	0.00	\$0.00
Chief Engineer-Roads/Develop	\$93.28	13.00	\$1,212.64
DPW Director	\$125.48	0.00	\$0.00
Total			\$1,212.64

Post Construction Storm Water Management

Note: The City's Post Construction Site Storm Water Management Program includes pond inspections, review of maintenance agreements, plan review and permitting. Estimates are provided for Civil Engineer and Chief Engineer-Utilities review of Wagner Park Ponds, Public Works Dept. Ponds, Green Road Pond, the Pewaukee Sports Complex Ponds, City Hall Bio-infiltration device and the Rockwood Drive Pond. Developer driven expenditures are generally billed back to the Developer. Budget dollars are taken from line items under "Permit Compliance" in the Storm Water Utility Budget (one half of Numbers 230-53656-51290 and 230-53656-51950 and all of numbers 230-53656-52150 and 230-53656-53510).

Budget for Reporting Year \$45,790.00 **Budget for Upcoming Year** \$51,316.00

Annual Expenditures for Reporting Year \$28,510.00

Project		Wages	Hours	Total	
The Glen At Parkway Ridge	AECOM Bills			\$0.00	
	Engineer Tech	\$59.88	0.00	\$0.00	
	Sr. Engineer Tech	\$60.48	0.00	\$0.00	
	Civil Engineer	\$65.78	0.00	\$0.00	
	Chief Engineer-Utilities	\$95.18	13.50	\$1,284.93	
	Chief Engineer-Roads/Develop	\$93.28	0.00	\$0.00	
	DPW Director	\$125.48	0.00	\$0.00	
	Total				\$1,284.93
Hindu Temple Parking Lot Expansion	AECOM Bills			\$0.00	
	Engineer Tech	\$59.88	0.00	\$0.00	
	Sr. Engineer Tech	\$60.48	0.00	\$0.00	
	Civil Engineer	\$65.78	0.00	\$0.00	
	Chief Engineer-Utilities	\$95.18	0.00	\$0.00	
	Chief Engineer-Roads/Develop	\$93.28	13.00	\$1,212.64	
	DPW Director	\$125.48	0.00	\$0.00	
	Total				\$1,212.64
Ancient Oaks/Cedar Gables Development	AECOM Bills			\$0.00	
	Engineer Tech	\$59.88	0.00	\$0.00	
	Sr. Engineer Tech	\$60.48	0.00	\$0.00	
	Civil Engineer	\$65.78	0.00	\$0.00	
	Chief Engineer-Utilities	\$95.18	0.00	\$0.00	
	Chief Engineer-Roads/Develop	\$93.28	65.75	\$6,133.16	
	DPW Director	\$125.48	0.00	\$0.00	
	Total				\$6,133.16
Lakeland Supply Building Addition	AECOM Bills			\$0.00	
	Engineer Tech	\$59.88	0.00	\$0.00	
	Sr. Engineer Tech	\$60.48	0.00	\$0.00	
	Civil Engineer	\$65.78	0.00	\$0.00	
	Chief Engineer-Utilities	\$95.18	25.00	\$2,379.50	
	Chief Engineer-Roads/Develop	\$93.28	0.00	\$0.00	
	DPW Director	\$125.48	0.00	\$0.00	
	Total				\$2,379.50
Ridgeview Multi-Family/Interstate Partners	AECOM Bills			\$0.00	
	Engineer Tech	\$59.88	0.00	\$0.00	
	Sr. Engineer Tech	\$60.48	0.00	\$0.00	
	Civil Engineer	\$65.78	0.00	\$0.00	
	Chief Engineer-Utilities	\$95.18	3.50	\$333.13	
	Chief Engineer-Roads/Develop	\$93.28	0.00	\$0.00	
	DPW Director	\$125.48	0.00	\$0.00	
	Total				\$333.13

Pewaukee TownHomes	Wages	Hours	Total
AECOM Bills			\$0.00
Engineer Tech	\$59.88	0.00	\$0.00
Sr. Engineer Tech	\$60.48	0.00	\$0.00
Civil Engineer	\$65.78	7.50	\$493.35
Chief Engineer-Utilities	\$95.18	0.00	\$0.00
Chief Engineer-Roads/Develop	\$93.28	7.00	\$652.96
DPW Director	\$125.48	0.00	\$0.00
Total			\$1,146.31

Quattro Early Childhood	Wages	Hours	Total
AECOM Bills			\$0.00
Engineer Tech	\$59.88	0.00	\$0.00
Sr. Engineer Tech	\$60.48	0.00	\$0.00
Civil Engineer	\$65.78	0.00	\$0.00
Chief Engineer-Utilities	\$95.18	2.00	\$190.36
Chief Engineer-Roads/Develop	\$93.28	17.50	\$1,632.40
DPW Director	\$125.48	0.00	\$0.00
Total			\$1,822.76

Pewaukee Sports Complex Turf Replacement	Wages	Hours	Total
AECOM Bills			\$0.00
Engineer Tech	\$59.88	0.00	\$0.00
Sr. Engineer Tech	\$60.48	0.00	\$0.00
Civil Engineer	\$65.78	0.00	\$0.00
Chief Engineer-Utilities	\$95.18	0.00	\$0.00
Chief Engineer-Roads/Develop	\$93.28	0.00	\$0.00
DPW Director	\$125.48	0.00	\$0.00
Total			\$0.00

The Courtyard at Pewaukee	Wages	Hours	Total
AECOM Bills			\$0.00
Engineer Tech	\$59.88	0.00	\$0.00
Sr. Engineer Tech	\$60.48	0.00	\$0.00
Civil Engineer	\$65.78	0.00	\$0.00
Chief Engineer-Utilities	\$95.18	0.00	\$0.00
Chief Engineer-Roads/Develop	\$93.28	14.75	\$1,375.88
DPW Director	\$125.48	0.00	\$0.00
Total			\$1,375.88

Radiant Plastic Surgery	Wages	Hours	Total
AECOM Bills			\$0.00
Engineer Tech	\$59.88	0.00	\$0.00
Sr. Engineer Tech	\$60.48	0.00	\$0.00
Civil Engineer	\$65.78	0.00	\$0.00
Chief Engineer-Utilities	\$95.18	0.00	\$0.00
Chief Engineer-Roads/Develop	\$93.28	13.50	\$1,259.28
DPW Director	\$125.48	0.00	\$0.00
Total			\$1,259.28

WVRC - Vet Emergency Clinic	Wages	Hours	Total
AECOM Bills			\$0.00
Engineer Tech	\$59.88	0.00	\$0.00
Sr. Engineer Tech	\$60.48	0.00	\$0.00
Civil Engineer	\$65.78	0.00	\$0.00
Chief Engineer-Utilities	\$95.18	0.00	\$0.00
Chief Engineer-Roads/Develop	\$93.28	13.00	\$1,212.64
DPW Director	\$125.48	0.00	\$0.00
Total			\$1,212.64

Scot Industries Expansion	Wages	Hours	Total
AECOM Bills			\$0.00
Engineer Tech	\$59.88	0.00	\$0.00
Sr. Engineer Tech	\$60.48	0.00	\$0.00
Civil Engineer	\$65.78	0.00	\$0.00
Chief Engineer-Utilities	\$95.18	0.00	\$0.00
Chief Engineer-Roads/Develop	\$93.28	30.75	\$2,868.36

DPW Director	\$125.48	0.00	\$0.00	
				Total \$2,868.36
Uzelac Industrial				
	Wages	Hours	Total	
AECOM Bills			\$0.00	
Engineer Tech	\$59.88	0.00	\$0.00	
Sr. Engineer Tech	\$60.48	0.00	\$0.00	
Civil Engineer	\$65.78	7.50	\$493.35	
Chief Engineer-Utilities	\$95.18	0.00	\$0.00	
Chief Engineer-Roads/Develop	\$93.28	20.50	\$1,912.24	
DPW Director	\$125.48	0.00	\$0.00	
				Total \$2,405.59
Green Road Pond Inspection				
	Wages	Hours	Total	
AECOM Bills			\$0.00	
Engineer Tech	\$59.88	0.00	\$0.00	
Sr. Engineer Tech	\$60.48	1.00	\$60.48	
Civil Engineer	\$65.78	0.00	\$0.00	
Chief Engineer-Utilities	\$95.18	0.00	\$0.00	
Chief Engineer-Roads/Develop	\$93.28	0.00	\$0.00	
DPW Director	\$125.48	0.00	\$0.00	
				Total \$60.48
Sports Complex Pond Inspections				
	Wages	Hours	Total	
AECOM Bills			\$0.00	
Engineer Tech	\$59.88	0.00	\$0.00	
Sr. Engineer Tech	\$60.48	0.00	\$0.00	
Civil Engineer	\$65.78	6.00	\$394.68	
Chief Engineer-Utilities	\$95.18	0.00	\$0.00	
Chief Engineer-Roads/Develop	\$93.28	0.00	\$0.00	
DPW Director	\$125.48	0.00	\$0.00	
				Total \$394.68
Rockwood Drive Pond Inspection				
	Wages	Hours	Total	
AECOM Bills			\$0.00	
Engineer Tech	\$59.88	0.00	\$0.00	
Sr. Engineer Tech	\$60.48	1.75	\$105.84	
Civil Engineer	\$65.78	0.00	\$0.00	
Chief Engineer-Utilities	\$95.18	0.00	\$0.00	
Chief Engineer-Roads/Develop	\$93.28	0.00	\$0.00	
DPW Director	\$125.48	0.00	\$0.00	
				Total \$105.84
Wagner Park Pond Inspections				
	Wages	Hours	Total	
AECOM Bills			\$0.00	
Engineer Tech	\$59.88	0.00	\$0.00	
Sr. Engineer Tech	\$60.48	3.75	\$226.80	
Civil Engineer	\$65.78	0.00	\$0.00	
Chief Engineer-Utilities	\$95.18	0.75	\$71.39	
Chief Engineer-Roads/Develop	\$93.28	0.00	\$0.00	
DPW Director	\$125.48	0.00	\$0.00	
				Total \$298.19
City Hall Biofiltration Device				
	Wages	Hours	Total	
AECOM Bills			\$0.00	
Engineer Tech	\$59.88	0.00	\$0.00	
Sr. Engineer Tech	\$60.48	0.00	\$0.00	
Civil Engineer	\$65.78	0.00	\$0.00	
Chief Engineer-Utilities	\$95.18	2.50	\$237.95	
Chief Engineer-Roads/Develop	\$93.28	0.00	\$0.00	
DPW Director	\$125.48	0.00	\$0.00	
				Total \$237.95
Pewaukee DPW Facility				
	Wages	Hours	Total	
AECOM Bills			\$0.00	
Engineer Tech	\$59.88	0.00	\$0.00	
Sr. Engineer Tech	\$60.48	0.00	\$0.00	
Civil Engineer	\$65.78	0.00	\$0.00	

Chief Engineer-Utilities	\$95.18	7.50	\$713.85	
Chief Engineer-Roads/Develop	\$93.28	0.00	\$0.00	
DPW Director	\$125.48	0.00	\$0.00	
				Total \$713.85

Kathryn Court Bioretention Device				
	Wages	Hours	Total	
AECOM Bills			\$0.00	
Engineer Tech	\$59.88	0.00	\$0.00	
Sr. Engineer Tech	\$60.48	0.00	\$0.00	
Civil Engineer	\$65.78	0.00	\$0.00	
Chief Engineer-Utilities	\$95.18	3.50	\$333.13	
Chief Engineer-Roads/Develop	\$93.28	0.00	\$0.00	
DPW Director	\$125.48	0.00	\$0.00	
				Total \$333.13

Duplainville Road Biofilters				
	Wages	Hours	Total	
AECOM Bills			\$0.00	
Engineer Tech	\$59.88	0.00	\$0.00	
Sr. Engineer Tech	\$60.48	0.00	\$0.00	
Civil Engineer	\$65.78	0.00	\$0.00	
Chief Engineer-Utilities	\$95.18	3.25	\$309.34	
Chief Engineer-Roads/Develop	\$93.28	0.00	\$0.00	
DPW Director	\$125.48	0.00	\$0.00	
				Total \$309.34

Hawks Meadow Pond Inspections				
	Wages	Hours	Total	
AECOM Bills			\$0.00	
Engineer Tech	\$59.88	0.00	\$0.00	
Sr. Engineer Tech	\$60.48	0.00	\$0.00	
Civil Engineer	\$65.78	0.00	\$0.00	
Chief Engineer-Utilities	\$95.18	10.00	\$951.80	
Chief Engineer-Roads/Develop	\$93.28	0.00	\$0.00	
DPW Director	\$125.48	0.00	\$0.00	
				Total \$951.80

Woodleaf Reserve Pond Inspections				
	Wages	Hours	Total	
AECOM Bills			\$0.00	
Engineer Tech	\$59.88	0.00	\$0.00	
Sr. Engineer Tech	\$60.48	0.00	\$0.00	
Civil Engineer	\$65.78	0.00	\$0.00	
Chief Engineer-Utilities	\$95.18	17.50	\$1,665.65	
Chief Engineer-Roads/Develop	\$93.28	0.00	\$0.00	
DPW Director	\$125.48	0.00	\$0.00	
				Total \$1,665.65

Pollution Prevention

	2024 Budgeted	2024 Expenditure	2025 Budgeted
Catch Basin Cleaning and Maintenance	\$113,550.00	\$72,429.60	\$93,000.00
Storm Inlets and Catch Basins	\$75,000.00	\$0.00	\$75,000.00
Street Sweeping	\$27,750.00	\$12,337.95	\$12,600.00
Ditch and Culvert Maintenance	\$1,285,049.00	\$971,132.11	\$1,870,964.00
Storm Sewer Maintenance	\$1,411,153.00	\$990,378.80	\$720,159.00
Yard Maintenance	\$10,000.00	\$0.00	\$10,000.00
Yard Waste Recycling	\$116,000.00	\$116,107.63	\$118,744.06
Totals	\$3,038,502.00	\$2,162,386.09	\$2,900,467.06

Items reported here were typically broken out in the budget. "Yard Maintenance" is found under #230-53656-53520. "Storm Inlets and Catch Basins" was found under Storm Water Projects. "Yard Waste Recycling" was taken as a fraction of the budgeted and actual expenditures from "Refuse Collection and Recycling" (10.307% of totals). Actual expenditures and budgeted for "Storm Sewer Maintenance" include expenses and budget dollars from Meadowbrook Farms #4 (230-57557-58210); expenses and budget dollars from Spice Creek/Meadowbrook Farms #3 (230-57556-58210) for storm sewer cleaning, storm sewer lining, storm sewer replacement, manhole repairs and end-section repairs; expenses and budget dollars from Springdale Est-Glenwood (230-57572-58210); and budget dollars for Westwood-Commerce Circle (230-57366-58210). Ditch and culvert maintenance includes: budget dollars from Hickory Grove Estates (230-57364-58210), Rolling Ridge (230-57559-58210), Sherwood Forest (230-57560-58210), S. Duplainville Ditch Survey (230-57571-58210), Takoma Hills Phase 2 (230-57568-58210) and Valleybrook-Redford Ditch Survey (230-57573); and budget and cost dollars from Apple-Pear Road Reconstruction (230-57561-58210), Sringdale Estates Drainage Easement (230-57370-58210), Yench Road (230-57355-58210), Shady Lane-Shady Nook Road Reconstruction (230-57333-58210) and Takoma Hills Street Reconstruction Phase 1 (230-57322-58210). Expenditures generally do not include engineering costs.

Storm Water Quality Management

Budget for Reporting Year	\$225,000.00
Expenditures for Reporting Year	\$105,935.00
Budget for Upcoming year	\$100,000.00

Storm Water Quality Management within the permit is the maintenance of the City's pollution reduction total at the time the law was changed to negate the 40% requirement. As there is no budget line item for this, I have included the budgeted costs for a new Storm Water Study found under Projects (230-57340-58210). The City entered into a contract with AECOM in 2022 to prepare a comprehensive storm water management plan. The planning effort will include a complete remodel for water quality and quantity purposes, a re-evaluation of the dry weather outfall monitoring program and the creation of a new MS4 map. The project is anticipated to be completed in late 2025.

Storm Sewer System Mapping

Budget for Reporting Year	\$5,000.00
Expenditures for Reporting Year	\$0.00
Budget for Upcoming year	\$5,000.00

"Storm Sewer System Mapping" is lumped within Storm Sewer Maintenance budget category. The breakout for this is under 230-53651-53520 within the budget software General Ledger. Dollars shown here have been removed from the "Storm Sewer Maintenance" category.

Attachment E

Waukesha County Contracted Program Summary Report & Three-Year Public Education and Outreach Plan

MS4 Information and Education 3 Year Plan

Prepared by Waukesha County for the

City of Pewaukee

2023

Key Focus: Yard Waste Management/Composting

Special Emphasis: Riparian owners

Reasoning and Goals: The City chose this topic for the first year to be able to leverage partnering with the Village and Town of Delafield to really target the riparian owners around Pewaukee Lake. With an already established Adopt a Drain program, we can measure citizen engagement through that program for general yard waste. The first goal will be to see 10 new storm drains adopted. The second goal will be to have at least 20 people participate in the shoreline workshop.

Plan Elements:

1. **Social media posts:** County will provide 6 social media posts to highlight seasonal lawn care and waste management. City will post once per month May - October.
2. **Utility bill messaging:** County will, with input from the City, develop messaging for 3 utility bills. City will include in bills typically sent out in April, July and October.
3. **Educational workshop - composting:** County will provide a workshop on yard waste management at the Pewaukee Library. Pewaukee Green Team will be invited to co-host. County will promote the workshop through providing a display banner to the library prior to the workshop. City will promote the workshop by posting the event on their website, at their building, and via a social media post (County to provide).
4. **Educational workshop – shoreline management:** The County will provide a workshop on shoreline management. Pewaukee Green Team and the Pewaukee River Partnership will be invited to co-host. County will promote the workshop through a targeted mailer sent to all riparian owners in the Municipality (City to provide names and addresses). City will promote the workshop by posting the event on their website, at their building, and via a social media post (County to provide).
5. **Outreach:** County will have a staffed yard waste management outreach display at the Clean Water Festival.
6. **Webpage information:** County will create content for a website identifying the EPA's hierarchy of yard and food waste management and providing local resources for the management of organic items. City will provide County terms of current yard waste program available to residents in the City (i.e. curbside/drop off options as available) and will host the final webpage on the City's website for the duration of the 3 year plan.

Implementation Month	Item
January	Webpage information
April	Utility bill message

	Educational Workshop – Composting (proposed)
May	Social media post Summer staff training
June	Social media post Outreach – Clean Water Festival
July	Social media post Utility bill message
August	Social media post Educational Workshop – Shoreline Management (proposed)
September	Social media posts
October	Social media post Utility bill message

2024

Key Focus: Homeowner Association Education

Reasoning and Goals: The City has many aging BMP's spread through many neighborhoods. As the day approaches that maintenance may be required, it is time to start educating the homeowners associations about their obligations, so they can take actions to delay required maintenance and begin budgeting for the inevitable. The goal will be to have at least 10 associations represented at the educational meeting.

Plan Elements:

1. **Social Media:** County will provide one social media post to advertise the workshop, and one social media post addressing maintenance.
2. **Stormwater Billing:** County will, with input from the City, provide an insert for the stormwater billing.
3. **Educational workshop – BMP Maintenance for HOA's:** County will work with the City to provide a fall workshop on BMP maintenance aimed at Homeowners Associations.
4. **Outreach:** County will provide a display and outreach materials for Public Works Day.

Implementation Month	Item
March	Set workshop date and location Display for Public Works Day
September	Social media posts delivered Article for fall newsletter delivered Targeted mailing for workshop invitations
October	Fall workshop on BMP maintenance

2025

Key Focus: Adopt a Drain

Reasoning and Goal: The Adopt a Drain program is a great way to educate and engage residents with measurable results. Because taking care of a storm drain addresses so many of the pollutants it was decided to take extra steps to increase the number of storm drains adopted. The goal will be to have at least 10 new drains adopted in 2025.

Plan Elements:

1. **Social media posts:** County will provide a series of 8 social media posts to promote the Adopt a Drain program. City will post one per month from March to October.
2. **Utility bill messaging:** County will, with input from the City, develop messaging for 2 utility bills. City will include in bills typically sent out in April and July.
3. **Display:** County will coordinate with the Pewaukee Public Library to host the interactive storm drain display during the month of March. The County will deliver, set up, and pick up the display from the library. Display must be plugged in for maximum interaction.
4. **Display:** City will host the interactive storm drain display at City Hall in December during tax payment time. County will deliver, set up, and pick up the display from City Hall. Display must be plugged in for maximum interaction.
5. **Outreach:** County will set up the storm drain display at the Clean Water Festival.
6. **K-12 programming:** – County will work with the Pewaukee School District to include education for 5th grade class during pre-camp presentation.
7. **Outreach:** County will share Adopt a Drain information with Pewaukee Women’s Club to encourage adoptions.

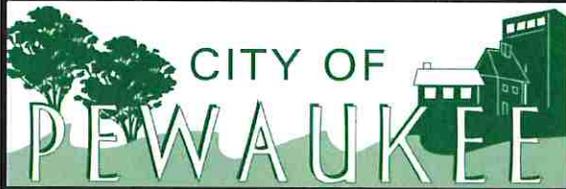
Implementation Month	Item
March	Social media post Display at Library
April	Utility bill message Social media post Display at Spring Elections Outreach to Women’s Club
May	Social media post K-12 programming – present to 5 th grade
June	Social media post Outreach – Clean Water Festival
July	Utility bill message Social media post
August	Social media post
September	Social media post
October	Social media post

INFORMATION AND EDUCATION LEDGER OF ACTIVITIES 2024											
Target from the Workshop	MS4 Req	MS4 Req	MS4 Req	Program name	Activity	Month	Year	Date	Where	# Reached	Additional Description
General Public	7				media	Jan	2024	1-10-24			Morning Blend appearance about Winter Salt Use
General Public	7				webinar	Jan	2024	1-22-24		779	Daily livestream for Winter Salt Awareness Week
General Public	7				webinar	Jan	2024	1-23-24		385	Daily livestream for Winter Salt Awareness Week
General Public	7				webinar	Jan	2024	1-24-24		252	Daily livestream for Winter Salt Awareness Week
General Public	7				webinar	Jan	2024	1-25-24		250	Daily livestream for Winter Salt Awareness Week
General Public	7				webinar	Jan	2024	1-26-24		194	Daily livestream for Winter Salt Awareness Week
General Public	3				presentation	Jan	2024	1-25-24	Retzer	13	Green Cleaning program for Brownie Scouts
General Public	5				displays and handouts	Feb	2024	2-20-24	Ixonka	662	poster for rain garden class at Ixonka primary election day
Teachers and Students	1	2	3	career	presentation	Feb	2024	2-27-24	New Berlin	3	career day at Eisenhower New Berlin Middle School
General Public	3				displays and handouts	Feb	2024	2-27-24	Waukesha	60	mini golf hole for United Way fundraiser with composting information
General Public	3	5			presentation	Mar	2024	3-16-24	Retzer	42	spring workshop on composting
Teachers and Students	5			Soils	presentation	Mar	2024	3-22-24	New Berlin	168	soils class for 7th grade at New Berlin West
General Public	9				volunteer appreciation	Mar	2024	3-23-24	Retzer	33	volunteer appreciation for Stream Monitors
General public	1			water cycle	presentation	Mar	2024	3-26-24	Retzer	28	Hiking through the water cycle program during spring break week
Contractors, Dev & Consul	7				workshop	Apr	2024	4-3-24		150	Annual stormwater workshop through Land and Water
Contractors, Dev & Consul	7				workshop	Apr	2024	4-4-24		150	Annual stormwater workshop through Land and Water
Teachers and Students	5			healthy soils	presentation	Apr	2024	4-5-24	Genesee	37	Magee Elementary Science Day
Teachers and Students	2	3	5		displays and handouts	Apr	2024	4-9-24		10000	Lannon, VMerton, Ixonka, Verron, Hartland, Muskego, TMerton, Sussex, VPew, Lisbon
Teachers and Students	5			composting	recycling	Apr	2024	4-11-24	Retzer	50	1st grade from evergreen elementary
General Public	1	2	3		displays and handouts	Apr	2024	4-20-24	Retzer	108	Earth Day event featuring macroinvertebrate table
General Public	5				recycling	Apr	2024	4-24-24	Retzer	26	recycle raccoon hike with composting information
General Public	1	5			rain gardens and barrels	Apr	2024	4-25-24	Ixonka	0	rain garden program at Ixonka Town Hall
Teachers and Students	1	2	3	pond	presentation	May	2024	5-1-24	Retzer	74	pond program with watershed model
Teachers and Students	1	2	3	pond	presentation	May	2024	5-8-24	Retzer	29	pond program with watershed model
Teachers and Students	1	2	3	pond	presentation	May	2024	5-9-24	Retzer	100	pond program with watershed model
General Public	9				benchmark	May	2024	5-9-24	Pewaukee River	2	benchmark at Pewaukee River at junction with the Fox
Teachers and Students	1	2	3	pond	presentation	May	2024	5-10-24	Retzer	100	pond program with watershed model
General Public	9				benchmark	May	2024	5-14-24	Waukesha	3	Set up monitoring team on Pabbie Creek at old TT
Teachers and Students	1	2	3	stream monitoring	field	May	2024	5-15-24	Hartland	18	stream monitoring with 6-8th grade
Teachers and Students	1	2	3	pond	presentation	May	2024	5-17-24	Retzer	75	pond program with watershed model
Teachers and Students	1	2	3	pond	presentation	May	2024	5-16-24	Retzer	70	pond program with watershed model
Teachers and Students	1	2	3	water quality	presentation	May	2024	5-20-24	Pewaukee	218	presentation for 5th grade in preparation for Camp Whitcomb monitoring
General Public	9				benchmark	May	2024	5-20-24	Pewaukee	8	Pewaukee Ladies group monitoring at CoCo Creek and the outfall
Teachers and Students	1	2	3	Live in	presentation	May	2024	5-20-24	Delafield	45	Watershed program for Cushing Elementary
Teachers and Students	5			RR hike	presentation	May	2024	5-22-24	Retzer	80	composting lesson in RR adventure hike
General Public	1				stenciling	May	2024	5-22-24	Waukesha	20	Girl Scout troop stenciled 7 storm drains near Heyer Elementary
Teachers and Students	1	2	3	monitoring	field	May	2024	5-23-24	North Lake	154	monitoring on Lake Keesus with Pewaukee 5th grade
Teachers and Students	1	2	3	monitoring	field	May	2024	5-24-24	North Lake	80	monitoring on Lake Keesus with Pewaukee 5th grade
Teachers and Students	1	2	3	water discovery	presentation	Jun	2024	6-7-24	Retzer	32	water discovery program with watershed model and critters
Teachers and Students	1	2	3	water teselng	field experience	Jun	2024	6-11-24	Eagleville	90	summer school water testing
General Public	1	3	5	Env. Science	merit badge class	Jun	2024	6-12-24	Retzer	20	taught soil conservation and water for Environmental Science Merit Badge
General Public	5	7		Sustainability	merit badge class	Jun	2024	6-13-24	Retzer	19	covered composting and community development/stormwater
General Public	1	2	3	water discovery	presentation	Jun	2024	6-17-24	Retzer	34	water discovery program with watershed model and critters
General Public	2	3	5	Sustain Yard	presentation	Jun	2024	6-22-24	Pewaukee	8	Sustainable Yardening program at Clean Water Festival
General Public	1	2	3		displays and handouts	Jun	2024	6-22-24	Pewaukee	150	watershed model at Clean Water Festival
General Public	5			composting	presentation	Jun	2024	6-27-24	Hartland	5	composting program for summer library
General Public	1	2	3	water discovery	presentation	Jul	2024	7-2-24	Retzer	7	water discovery program with watershed model and critters
Contractors, Dev & Consul	6			Erosion Control	lunch and learn	Jul	2024	7-9-24	Oconomowoc	15	erosion control lunch and learn on active construction site
General Public	9			MS4 program	Land Use Committee	Jul	2024	7-9-24	Oconomowoc	7	Shared MS4 information with County Board Committee
General Public	9			diam survey	field work	Jul	2024	7-11-24	Ashippun	4	diam survey for invasive species on Ashippun River
General Public	9			clam survey	field work	Jul	2024	7-25-24	UW Field Station	7	clam survey for invasive species on Scuppernon Creek
General Public	1				displays and handouts	Jul	2024	7-31-24	Hartland	2000	Staffed outreach at Hartland Kids Day
General Public	5			Composting	presentation	Jul	2024	7-31-24	Brookfield	5	composting program at Brookfield Public Library
General Public	1	2	3		displays and handouts	Aug	2024	8-1-24	Sussex	300	staffed outreach with watershed model at National Night Out
General Public	1				displays and handouts	Aug	2024	8-6-24	Oconomowoc	2000	unstaffed outreach at Oconomowoc Kids Fest
General Public	2	3	5	Sustainable Yarde	displays and handouts	Aug	2024	8-6-24	Mukwonago	400	unstaffed display for Adopt a Drain at NNO
General Public	5				program	Aug	2024	8-7-24	Retzer	0	had 3 registered and no one showed up
General Public	5				displays and handouts	Aug	2024	8-7-24	Lannon	350	infiltration posters at National Night Out
General Public	9			Snapshot Day	field work	Aug	2024	8-10-24	Hartland	3	statewide volunteer search for Aquatic Invasive Species event

General Public	1	2	3		displays and handouts	Aug	2024	8-14-24	Muskego	450 unstaffed display for Adopt a Drain at NNO
General Public	1	8	3	Sustainable Builidi	displays and handouts	Aug	2024	8-21-24	Milwaukee	32 staffed outreach to promote Stormwater Awareness Week at Green Schools Conf.
Teachers and Students	6	8		Sustainable Builidi	presentation	Aug	2024	8-26-24	WCTC	14 guest speaker for Sustainable Building class
Teachers and Students	6	8		Sustainable Builidi	presentation	Aug	2024	8-26-24	WCTC	9 guest speaker for Sustainable Building class
General Public	6			HOA	program	Sep	2024	9-12-24	Pewaukee	25 Homeowners Association Education meeting
General Public	6			HOA	program	Sep	2024	9-18-24	Waukesha	22 Homeowners Association Education Meeting
General Public	6			HOA	program	Sep	2024	9-19-24	Oconomowoc	3 Homeowners Association Education Meeting
Teachers and Sudents	1	9			field experience	Sep	2024	9-19-24	Elm Grove	23 water testing with St. Mary's Elm Grove
General Public	2	3	4		displays and handouts	Sep	2024	9-20/22-24	North Prairie	3000 3 panel display at Harvest Fest
General Public	1	2	3		displays and handouts	Sep	2024	9-21-24	Reizer	4500 staffed outreach for fall at Waukesha Public Library
General Public	3	5		Sustainable Yarde	program	Sep	2024	9-23-24	Waukesha	22 Sustainable Yardening for fall at Waukesha Public Library
General Public	3	5		Yard care/compos	program	Sep	2024	9-26-24	Waukesha	8 water testing with Waukesha East High School
Teachers and Students	9	1		HOA	water testing	Sep	2024	9-26-24	Waukesha	17 Fall Yard care program at Pewaukee Public library
General Public	6			HOA	program	Oct	2024	10-1-24	Vernon	37 Homeowners Association Education meeting
Teachers and Students	9	1			water testing	Oct	2024	10-2-24	Eagleview	47 Eagleview Elementary
General Public	5			Spheres	soils	Oct	2024	10-6-24	Waukesha	30 display and talk about soils and compost at Gwenyn Hills "Dirt First" open house event
Teachers and Students	5			Spheres	program	Oct	2024	10-15-24	Reizer	32 soils program for Montessori school
General Public	5			rain gardens	program	Oct	2024	10-19-24	Genesee Depot	10 rain garden program for 10 Chimneys
Teachers and Students	5			healthy soils	program	Oct	2024	10-29-24	Reizer	33 Healthy soils program for Montessori School
Teachers and Students	6	8		Sustainable Bldg	program	Oct	2024	10-29-24	WCTC	23 guest speaker for Sustainable Building class
General Public	4				hike	Nov	2024	11-2-24	Reizer	45 two hikes at Reizer to visit the stream and pond and see natural shorelines
General Public	1	2	3	MS4 program	presentation	Nov	2024	11-9-24	Fitchburg	25 spoke about MS4 education programs at Rock River Confluence
Teachers and Students	1	2	3	water testing	program	Nov	2024	11-19-24	Sussex	90 2 classes and advisement at Sussex Hamilton AP Env St class doing water testing
General Public	1	2	3		tax inserts	Dec	2025			90000 tax inserts with basic storm drain message
Teacher and Students	5			soils	program	Dec	2024	12-2-24	Waukesha	70 soils with 3 classes of AP Environmental Studies at North High School
Contractors, Dev & Consul	7			saltwise	training	Dec	2024	12-5-24	Reizer	30 Saltwise training for roads training
Teachers and Students	1	2	3	Live in a	program	Dec	2024	12-10-24	Waukesha	70 watershed model with 3 classes of AP Environmental Studies at North High School
Teachers and Students	1	2	3	career	program	Dec	2024	12-11-24	Wales	41 career day with Kettle Moraine HS

Attachment F

Department of Public Works Newsletters and Grass Clippings Flier



Department of PUBLIC WORKS

2024 Spring/Summer



NEW CITY RECYCLING CENTER OPENS APRIL 3rd!

Formerly located behind Pewaukee City Hall, the City Recycling Center will open on **Wednesday, April 3rd** for the spring/summer season at the new DPW Facility located at W225N3201 Duplainville Road.

City residents can drop-off recycling materials on Wednesdays from 1:00 to 6:00 pm and Saturdays from 9:00 am to 3:00 pm (except on holidays). Residents must obtain and display a city recycle permit tag in their vehicle when visiting the Recycling Center. City recycle tags can be picked up at no charge at the Clerk's office at City Hall during regular office hours. Proof of residency is required.

Acceptable Drop-Off Recycling Materials

- * **Plastic Containers:** Empty bottles, jugs, tubs, buckets and cups with caps on and only #1, 2, 4 or 5. (NO foam, utensils or hangers)
- * **Glass Bottles & Jars:** Empty with caps and lids removed
- * **Metal Cans:** Aluminum, tin and steel cans, empty aerosol cans (no paint or pesticide cans). NO scrap metal in recycling dumpster—use specified scrap metal bin.
- * **Paper & Cardboard** (not bundled)

- * **Cartons:** Juice boxes, soup cartons, milk cartons (remove caps and straws)
- * **Batteries:** Car & boat batteries, small lead batteries, cell phone batteries
- * **Scrap Metal:** Use specified scrap metal bin (NO electronics or appliances)
- * **Yard Waste/Brush:** Leaves and grass clippings in recyclable paper bags (plastic bags must be emptied and bags put in barrel) **NO INVASIVE WEEDS HERE!**
- * **Brush & Small Trees:** Wood waste should be no more than 6 inches in diameter and no longer than 6 foot sections.
- * **Garden Debris** (NO sod)
- * **Invasive Weeds:** DO NOT put in yard waste pile. Must be in a separate plastic bag, completely sealed. Please see attendant for disposal location.

More information about recycling in the City of Pewaukee can be found on our website at www.cityofpewaukee.us and search Garbage and Recycling.

PLEASE NOTE!

Engine & Motor Oil (including oil filters and antifreeze) DROP-OFF TEMPORARILY SUSPENDED UNTIL FURTHER NOTICE

PUBLIC WORKS DEPARTMENT

W240N3065 Pewaukee Road
Pewaukee, WI 53072
Office: (262) 691-0804
Email: publicworks@pewaukee.wi.us
Regular Hours: Monday-Friday
8:00 a.m. to 4:30 p.m.
Drop Box Available 24/7 in
City Hall Main Foyer

Engineering Division
Magdelene Wagner, P.E.
Director of Public Works/
City Engineer

Highway Division
Matthew Stevens
Street Superintendent

Water & Sewer Division
Jane Mueller
Utility Manager

RECYCLING CENTER
City Recycling Permit Required

NEW LOCATION!
Dept of Public Works Facility
W225N3201 Duplainville Road

Open Year-Round
Saturdays: 9:00 am to 3:00 pm

Open April thru November
Wednesdays: 1:00 to 6:00 pm

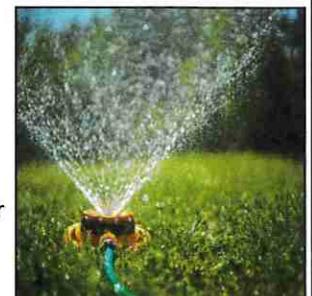


REMINDER: Curb-side recycling is now collected weekly by Johns Disposal

City Lawn Watering Policy for Municipal Water Customers

With the summer watering season just around the corner, this is a reminder that the City of Pewaukee has annual lawn watering restrictions in place between May 15 and September 15.

For those with municipal water service, outdoor irrigation/sprinkling, including lawn and garden watering, is restricted to **every other day** during this time (unless granted a waiver for establishing a new lawn). Customers whose official address ends in an **even** number will only be allowed to water on **even** number calendar days, and those whose official address ends in an **odd** number will only be allowed to water on **odd** number calendar days. (Ord. Sec. 16.0202) For more information, contact our office at (262) 691-0804.



2024 PUBLIC WORKS PROJECTS

City Road & Bridge Projects

Joseph Road: Water and sewer project was rejected in 2023. The project was rebid as a road reconstruction project only. Road construction will begin summer 2024.

Shady Lane and Shady Nook: Water and sewer project was rejected in 2023. The project was rebid as a road reconstruction project only. Road construction will begin summer 2024.

Busse Road Bridge Replacement: Project will be bid in May for construction in late summer 2024. Busse Road north of Nottingham Drive will be closed during this construction.

Takoma Hills Subdivision Road Project: Phase 1 road construction to begin in early summer 2024. Phase 1 includes Mt. Vernon Drive, Takoma Drive (between Lexington Drive and Mt. Vernon Drive), Richmond Court, and Virginia Drive.

Spice Creek/Meadowbrook Farms Phase 4: This project consists of Fieldhack Drive. Road construction to begin in early summer 2024.

2024 Design Projects: The City is currently working on design for upcoming road projects including: Watertown Road (Springdale Road to North Avenue), Rolling Ridge/Woodland Village Subdivision, Sherwood Forest Subdivision, Busse Road (Bluemound Road to termini), Westwood Drive, Corporate Court, Yench Road (Lyndale Road to termini), Greenhill Subdivision and Hickory Grove Estates Subdivision.

Storm Water Utility Projects

Springdale Estates Drainage Easement: Bidding of Phase 1 is underway. Construction is targeted for summer 2024. Property owners adjacent to the construction will be notified prior to start of construction.

Oak Street Shoreland Stabilization: The City-owned Pewaukee Lake Shoreland will be stabilized in late summer 2024.

Additional information on the projects listed above, or about future road projects can be found on the City of Pewaukee website at <https://www.cityofpewaukee.us/480/Road-Construction>.

Water & Sewer Utility Projects

Gun Club Lift Station Replacement: The construction of the replacement Gun Club Lift Station will start in March 2024. This lift station will replace the station that was originally installed in 1983. The new lift station will be able to handle the average 1 million gallons of sewage that is pumped through daily.

Bluemound Water Main Loop: This water main loop continues to be a design and construction challenge for the Utility. A redesign is currently underway due to major conflicts with other utilities. Anticipated construction is summer 2024. The project will allow for the abandonment of Well #5 with the radium contamination.

Bluemound Road Sanitary Sewer Relay: The Utility will be reconstructing a portion of the sanitary sewer that is north of I-94 and east of Hwy 16 this summer to correct a deficiency that was discovered.

PFAS Treatment Well #8 and Entry Point 500: The Utility is working with a consultant to determine the most cost-effective, long-term solution for removing the PFAS contamination that was discovered in two wells in the City water supply last summer. At this time, our goal is to be under construction of the treatment systems in 2025.

PUBLIC WORKS

P J O H I B M Z X D M C R G X Y E
 A O P I P E S Q A M K O I N I M N
 Z E T Q J W D L V A K N V C G L V
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 L E C T P R E S E R V A T I O N C

ENGINEERING	AIR QUALITY	CONSERVATION
EDUCATION	ENVIRONMENTAL	FLUSH
GEOTHERMAL	PIPES	PRESERVATION
RECYCLING	RIVER	SEWER
STORMDRAIN	TRASH	WATER

THE EFFECTS OF STORMWATER RUNOFF – WHEN IT RAINS, IT POURS

Stormwater is the water that runs off the land surface when it rains or when snow melts. It enters the City's storm sewer system and flows directly to local lakes, streams, and wetlands. And every time it rains, all of those millions of gallons of water that tumble onto the ground need to go somewhere—and not all of it soaks into the soil below our feet. All the water that rolls off of your roof, through your yard, down your driveway, and over the street is called stormwater runoff. This runoff is incredibly good at picking up whatever it comes into contact with as it travels downward to the lowest elevation.

Stormwater from developed areas usually contains a number of pollutants, such as oil and grease from roadways and parking lots, pesticides and fertilizers from lawns, sediment from construction sites, sand and dirt from roadways, and carelessly discarded trash such as cigarette butts, wrappers, and plastic bottles. When these pollutants enter water bodies, they can harm fish and wildlife populations, kill native vegetation, contaminate drinking water supplies, and make our recreation areas unsafe and unpleasant.

When rain falls on the ground it can do one of two things, (1) absorb into the soil and become groundwater, or (2) flow on top of

the ground and become runoff. As water absorbs into the ground, the soil acts as a "filter," catching and holding onto most anything that the rain water brought with it. Trees and other plant life also capture the nutrients that the water brings along. However, when water has no way to enter the ground, like when it falls onto a driveway, it will keep travelling above ground until it hits the nearest river, lake, or stream. Since this water had no opportunity to deposit whatever it grabbed along the way, it deposits that matter into the water body, where it can begin to have negative effects on the ecosystem.

There are clear and easy steps that anyone with a yard or garden can take to help. Rain gardens can trap and use most or all of the water your yard captures from an average storm. An easy way to create a plan of attack is to look at your yard during and after the next big rain storm. See where in the yard a lot of water seems to flow and where the grass and soil is the wettest. This is a prime location for a rain garden. It can also help to limit or eliminate the use of fertilizers, pesticides, or manures in your lawns, farms, and gardens. In fact, by some measures, the average suburban lawn is sprayed with 10 times more pesticide per acre than farmland. So right off the bat, you can decrease the amount of pesticide and it will still have the same effect.

By working together to preserve plant life that filters stormwater and taking steps in our everyday lives to slow runoff and instead use it for something beautiful like a rain garden, we can begin to tackle the problem of stormwater pollution together.



That Pond Could Be Expensive!

Do you have ownership of a stormwater pond in your subdivision? If so, we encourage you to attend a free Stormwater Maintenance Workshop and learn how to extend the life of your pond and save you money down the road. Maintaining stormwater practices is a requirement for the Homeowners Associations that have them. This workshop will cover different stormwater practices and how they work, as well as maintenance that should be done on a regular basis to extend their life. Restoration and repairs can be quite expensive, so regular maintenance is very important.



The Stormwater Maintenance Workshop will be held at 6:30 p.m. on **Thursday, September 12, 2024**, in the lower level in City Hall Common Council Chambers located at W240N3065 Pewaukee Road. This one-hour workshop includes time for questions at the end. Learn best practice maintenance now to save headaches and money in the future. No registration is necessary.

2024 Waukesha County Household Hazardous Waste Disposal Schedule

Waukesha County Parks & Land Use reminds residents to visit a Household Hazardous Waste (HHW) Collection site to safely dispose of chemicals and dangerous materials. Waukesha County has two free sites and four one-time collection events for residents.

Household Hazardous Waste (HHW) includes any household product that is flammable, corrosive, toxic, or explosive under certain conditions. Products considered HHW contain hazardous ingredients that make them a potential danger to people, animals, and the environment. View schedules at www.WaukeshaCounty.gov/HazardousWaste.

Household Hazardous Waste ongoing collection sites are free to Waukesha County residents with proof of residency.

- **Menomonee Falls:** Veolia Environmental Services, W124N9451 Boundary Road (January thru December)
- **Waukesha:** UWM-Waukesha, 1500 North University Drive (March thru November)

All Waukesha County residents are welcome at one-time collection events with proof of residency.

- **Mukwonago, May 18:** Village Public Works Garage, 630 Hwy NN (8:00 a.m. to Noon)
- **Brookfield, June 1:** City Public Works Yard, 19700 Riverview Drive (8:00 a.m. to Noon)
- **Delafield, June 15:** City Dept. of Public Works, 111 Main Street (8:00 a.m. to Noon)
- **Oconomowoc, Sept 14:** City Public Works Garage, 630 S. Worthington St. (8:00 a.m. to Noon)

The Truth Amid the Tree Myths

In the world of community trees, there are many myths. Below are just a few of those myths, along with the facts you need to know about the trees in our city.

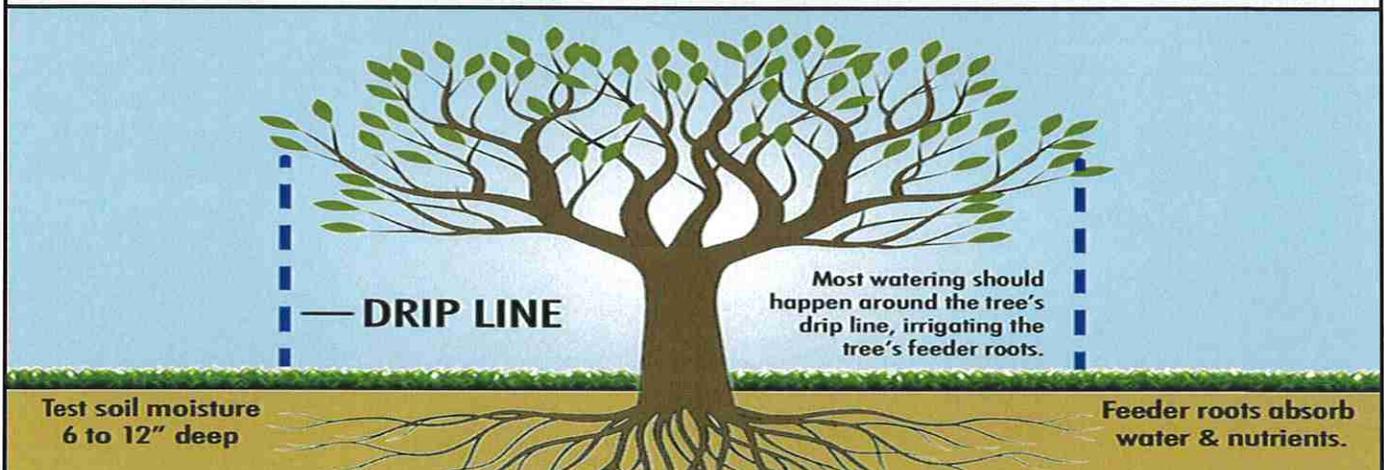
X MYTH: IF IT'S BY MY HOUSE, IT'S MY TREE

There is often confusion about who owns streetside trees and who is responsible for their care. Although the answer may sometimes vary depending the community ordinance, typically the trees on the street easement or right-of-way belong to the city. This is true regardless of who may have planted the tree. Knowing who has responsibility for street trees in our community is important for determining who should prune and care for the trees, who is likely to be liable if lack of care causes an accident, and who pays for tree work or removal.

X MYTH: TREE ROOTS BREAK SEWER LINES

In favorable soil conditions, including moisture, texture and oxygen, most roots are found in the top 24 inches of soil—well away from sewer lines. A few, however, may grow deeply enough to be near a properly buried sewer line. Even so, nothing happens until the sewer pipe breaks or leaks. Nearby roots then begin to thrive and grow rapidly. They can enter the defective pipe and eventually block the flowage of sewage.

Knowing the facts about our community's trees can make you better prepared to care for those on your own property.



Growing a Recycled Garden With Your Kids

Recycling in the garden with kids is all about finding ways to reuse ordinary household materials that might otherwise end up in a landfill. From milk cartons to yogurt cups to old clothes, this project can show kids how to grow a garden—and recycle and reuse at the same time.

Here are a few items that can be made into recycled planters for kids to decorate and use:

☀ **Toilet paper tubes:** Make a biodegradable pot for seedlings by cutting 1-inch slots in one end of a toilet paper tube. Fold this end under to make the bottom of the pot. No need to remove the seedling at transplant time, simply plant the tube and all.

☀ **Plastic food containers:** From fruit cups to milk jugs, plastic containers make wonderful reusable planters for flower and vegetable seedlings. Have an adult make several drainage holes in the bottom before use.

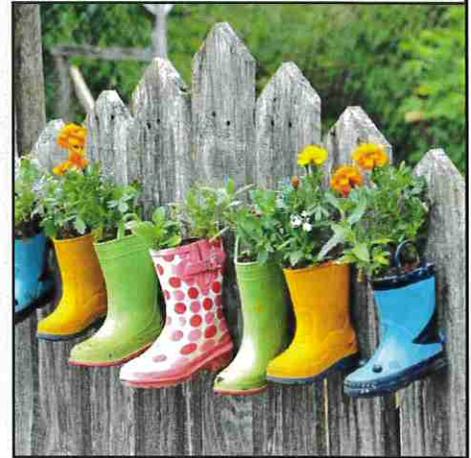
Besides disposable items, many everyday items children have outgrown or worn out can find a second life among the flowers and vegetables.

☀ **Boots:** Use a drill to make holes in the soles for whimsical boot planters.

☀ **Shirts and Pants:** Stuff outgrown clothes with plastic grocery bags to make child-sized scarecrows.

☀ **Compact Discs:** Hang old CDs around the garden to scare birds away from ripe fruits and vegetables.

☀ **Toys:** From trucks to cradles, repurpose broken or unused toys into interesting patio planters.



Kids love to be helpful. Recycling and repurposing is a great way to encourage your child's love for gardening, and helps them develop ownership of the food and flowers your family grows. It also teaches them how a small project can help make a big difference in taking care of our planet.

Celebrate Arbor Day by Planting a Tree

It's important to remember that proper tree care starts when you select a tree. And what you do in its first few years of life will affect its shape, strength, and even its lifespan. Proper tree care begins with choosing the right tree and planting it in the right place. To make sure your tree will thrive, here are some important things to consider:

- **The Tree's Purpose.** Are you planting it for aesthetics, privacy, shade/energy reduction, windbreak, or as a street tree? Your end goal will determine the suitability of different types of trees.
- **Planting Site Limitations.** The City of Pewaukee's **hardiness zone is 5-6**. Is the tree suitable for our region? What is the maximum height and spread for a tree in the space? What are the sun exposure and soil conditions?
- **Right Tree, Right Place.** Short flowering trees don't clash with overhead utility lines. Large deciduous trees on the southeast, southwest, and west provide cooling shade in the summer but don't obstruct the warming winter sunlight. An evergreen windbreak to the north blocks cold winds in winter.

To learn more about choosing the right tree, planting it in the right place, and so much more - visit the Arbor Day Foundation's website at www.arborday.org/trees/tips. It's important to remember when considering where to plant, that you plant on your own property and avoid putting anything in the city easements. Should the City need access to the easement, it has no responsibility to replace your plants or trees.

TREES around your home can increase its value up to 15% or more. The trees you plant remove CO₂ from the air, produce oxygen and give songbirds a home. Trees provide many other benefits.

A WINDBREAK can lower heating bills 10-20%.

NUT TREES can be incorporated into windbreaks or serve as shade trees.

A BACKYARD ORCHARD lets you grow your own fruit.

Many FLOWERING TREES also produce food for wildlife.

STREET TREES shade the concrete, and help cool the entire neighborhood.

SHADE TREES planted east and west of your home can cut cooling costs 15-35%.

Arbor Day Foundation

City Fire Hydrants

Fire hydrants may only be operated by City of Pewaukee Water & Sewer Utility or Fire Department staff, unless a hydrant permit is obtained from the Utility office.

Landscapers or other contractors may NOT obtain water from a fire hydrant. If you see someone using a hydrant, please contact the Utility office at (262) 691-0804.

Taking water from a fire hydrant without a permit is illegal and costs everybody money!



Driveway Permits

Did you know that the City requires you to obtain a driveway permit before you install or replace your driveway?

Applications are available online at <https://www.cityofpewaukee.us/DocumentCenter/View/3095/Driveway-Permit-rev-Dec-2019>.

An inspection must be completed by City staff at the time the driveway is graded and formed, prior to concrete or asphalt being installed.

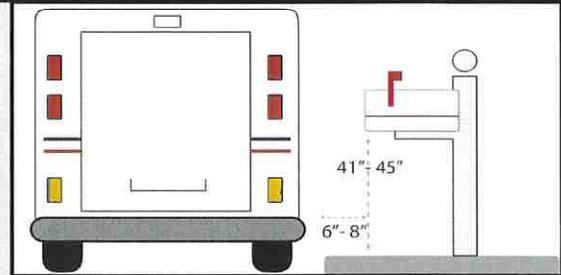
Please allow 48 hours prior to the requested inspection time.



Springtime Mailbox Maintenance

It is important for residents and business owners to conduct periodic mailbox inspections and perform routine maintenance on your mailbox. Check for adequate construction of materials and the condition of the mailbox and support post. The mailbox should be installed and maintained to withstand snow coming off the end of the plow.

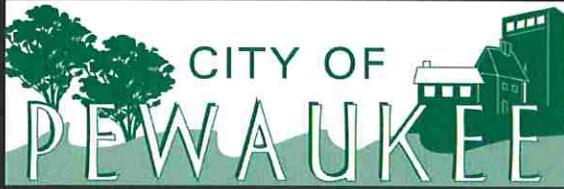
Summer is the perfect time to get this work done. Remember, the mailbox must be approximately 3'6" above ground grade. Additionally, guidelines such as post installation, mailbox size, etc. are available on the USPS website at <https://www.usps.com/manage/mailboxes.htm>.



City of Pewaukee • Department of Public Works • W240N3065 Pewaukee, WI 53072 • Office: (262) 691-0804



DEPARTMENT OF PUBLIC WORKS
W240N3065 PEWAUKEE ROAD
PEWAUKEE, WI 53072



Department of PUBLIC WORKS

2024 Fall/Winter

City Recycling Center Fall/Winter Schedule

The City DPW Recycling Center will be closed on Wednesdays for the winter season as of December 4, 2024. The Recycling Center remains open year-round on Saturdays from 9:00 a.m. to 3:00 p.m., except on holidays. A City recycle permit tag must be displayed in your vehicle at time of drop-off. City tags can be obtained at no charge from the City Clerk's office at Pewaukee City Hall, W240N3065 Pewaukee Road, during regular business hours.

Please note the following restrictions:

- The Recycling Center does not accept garbage. All garbage should be placed in your trash container for weekly pick-up.
- Real Christmas trees must be completely stripped of all decorations including tinsel, ornaments, lights, etc. before they are brought to the Recycling Center. Artificial trees are not allowed in the Recycling Center.
- The City currently does not accept electronics or hazardous waste. For location information, visit <https://www.waukeshacounty.gov/hazardouswaste/>
- The City does not accept used motor oil, oil filters, or antifreeze. Please check the City website for local retailers that may accept oil and/or oil filters. Contact them first to make sure they still accept oil. Locations are subject to change without notice.

For more information and a list of acceptable items allowed in the Recycling Center, please visit our website at www.cityofpewaukee.us and search Garbage and Recycling.

ELECTRONICS RECYCLING IS COMING SOON!

The City of Pewaukee will soon be partnering with COM2 Recycling Solutions to offer its residential customers FREE electronics recycling at our new DPW Recycling Center.

Residents will be responsible for removing all data from their devices. The City will not be responsible for any data on devices brought to the Recycling Center. The DNR website has many resources to help you find the right solution for your unwanted electronics. Visit <https://dnr.wisconsin.gov/topic/Ecycle/Electronics.html> for more information.

Acceptable Items for electronic recycling:

- Consumer computers (desktop, laptop, netbook and tablet)
- Consumer printers (desktop, printer/fax/copier combinations, and 3-D printers)
- Consumer video display devices (televisions, computer monitors, e-readers)
- Computer peripherals (mouse, keyboard, scanner)
- Cell phones
- Fax machines, shredders
- DVD players, VCRs, stereos
- Digital video players/recorders
- Adding machines, calculators
- Microwaves, toasters, vacuums
- Contact the DPW office if you have questions at (262) 691-0804



PUBLIC WORKS DEPARTMENT

W240N3065 Pewaukee Road
Pewaukee, WI 53072

Office: (262) 691-0804

Email: publicworks@pewaukee.wi.us

Regular Hours: Monday-Friday
8:00 a.m. to 4:30 p.m.

Drop Box Available 24/7 in the
City Hall Main Foyer

Engineering Division

Magdelene Wagner, P.E.
Director of Public Works/
City Engineer

Streets Division

Matthew Stevens
Street Superintendent

Water & Sewer Utility

Jane Mueller, Utility Manager

RECYCLING CENTER

W225N3201 Duplainville Rd
Open Saturdays Year-Round:
9:00 am to 3:00 pm

Open Wednesdays April thru Nov:
1:00 to 6:00 pm

City Recycling Permit Required

EMERGENCY NUMBERS

City Road Emergency: (262) 466-5070

City Sewer or Water: (866) 248-7555

LPSD Sanitary Sewer: (262) 366-4627

CONTACT NUMBERS

Billing City Water/Sewer (262) 691-0804

County Road Issues (262) 548-7736

Dead Deer-City Road (262) 691-0804

Dead Deer-County Road (262) 548-7736

Johns Disposal (262) 473-4700

Spills or Illicit Discharge (800) 943-0003

Storm Drainage Issues (262) 691-0804

THE 5 BENEFITS OF RECYCLING

1. Reduces waste sent to landfills and incinerators,
 2. Prevents pollution,
 3. Conserves natural resources,
 4. Conserves energy, and
 5. Creates jobs, producing economic benefits.
- Please do your part and recycle!

City Hall will be closed for the holidays: Nov 28-29; Dec 24-25; at noon on Dec 31; and Jan 1

2024-25 PUBLIC WORKS PROJECT UPDATES

For more details on the projects listed below, please visit our website at
www.cityofpewaukee.us/480/Road-Construction

2024 Road Project Updates

- **Busse Road Bridge** is currently under construction. The road is closed to traffic at the bridge location. Construction will be completed by December with final restoration occurring in Spring 2025.
- **Joseph Road** reconstruction is complete. Final assessments will be levied in 2025 for the project. Affected properties will receive a notice from the City when it is finalized.
- **Apple Tree/Pear Tree** is complete. Final assessments will be levied in 2025 for the project. Affected properties will receive a notice from the City when it is finalized.
- **Meadowbrook Farms Ph 4 (Fieldhack)** is complete. Final restoration will be checked in Spring 2025. Final assessments are anticipated to be levied in 2025 for the project. Affected properties will receive a notice from the City when it is finalized.
- **Paul Road/Roundy's Drive** is complete. Final assessments will be levied in 2025 for the project. Affected properties will receive a notice from the City when it is finalized.
- **Shady Lane/Shady Nook** is under construction. Roads are paved and restoration has been partially completed. Additional restoration will occur in 2025 to ensure germination.
- **Takoma Hills Ph 1** is complete. Restoration continues and will be verified in Spring 2025 to ensure germination.

2025 Upcoming Road Projects

- **Takoma Hills Ph 2** is under design for road reconstruction and drainage improvements. We will be hosting a public information meeting on the project. Watch your mail for an invitation to this meeting. Construction to occur Spring/Summer 2025.
- **Westwood Drive and Corporate Court** is under design for a road and curb project. We will be hosting a public information/business involvement meeting on the project. Watch your mail for an invitation to this meeting. Construction will occur in Spring/Summer 2025.
- **Hickory Grove Estates** (Patricia Lane, Shari Drive, Hickory Grove Drive, Roger Road) is under design for a sanitary sewer extension, road reconstruction, and drainage improvement project. We will be hosting a public information meeting on the project. Watch your mail for an invitation to this meeting. Construction will occur in Spring/Summer 2025.
- **Watertown Road** (Springdale Road to North Avenue) is under preliminary design for a road reconstruction and trail extension. Construction is anticipated in 2026 or 2027, depending on potential trail impacts.
- **Sherwood Forest Subdivision/Busse Road** is under preliminary design for a road reconstruction, municipal sanitary sewer extension, municipal water extension, and drainage improvements. We will be hosting a public information meeting on the project. Watch your mail for an invitation to this meeting. Construction is anticipated in 2027.
- **Greenhill Subdivision/Yench Road North** is under preliminary design for a road reconstruction and drainage improvement project. Municipal sanitary sewer extension and municipal water extension may be added to this project pending potential development in the area. We will be hosting a public information meeting on the project. Watch your mail for an invitation to this meeting. Construction is anticipated in 2026 or 2027, depending on potential development in the area.
- **Wethersfield Subdivision Ph 1** is under preliminary design for a road rehabilitation project. Construction anticipated in 2026.
- **Glenwood Lane** is under preliminary design for a road rehabilitation project. Construction is anticipated in 2026.
- **Rolling Ridge Ph 1** is under preliminary design for a road reconstruction, municipal sanitary sewer, possible municipal water main, and drainage improvements.

Trail Extension Projects

- **Meadowbrook Trail** project is under design for an off-road trail along Meadowbrook Road from the Lake Country Trail north to College Avenue and Prospect Avenue from College Avenue to Pirate Pass (Pewaukee High School). The project received grant funding to pay for 80% of the cost of the trail. Design will occur now through 2025, with construction anticipated in 2026. We will be hosting a public information meeting on the project.

Winter Parking Ordinance—Overnight parking is not allowed in the City of Pewaukee

2024-25 PROJECT UPDATES – CONT'D

Quiet Zone Railroad Crossing Projects

- **Weyer Road** crossing has been submitted to the Federal Railroad Administration (FRA) for review and approval. This can take up to 18 months to obtain the approval. Once approved, the improvements will be constructed and the final application for the quiet zone will be completed.
- **Watertown Road** crossing is under design discussion with Waukesha County. Once final approval of the design is obtained, the improvements will be constructed and the final application for the quiet zone will be completed. This will be completed at the same time as the Weyer Road crossing.
- **Green Road** crossing has a preliminary design. The improvements will be constructed and the final application for the quiet zone will be completed at the same time as the Weyer Road crossing.
- **Springdale Road** crossing is being completed by the City of Brookfield with our City funding a share of the project.
- **Duplainville Road** crossing has been analyzed. The final application for the quiet zone will be completed at the same time as the Weyer Road crossing.
- **Parkside Road** crossing will be studied for a quiet zone crossing in 2025. This quiet zone crossing is being coordinated with the Village of Pewaukee's Kopmeier crossing.

Storm Water Utility Projects

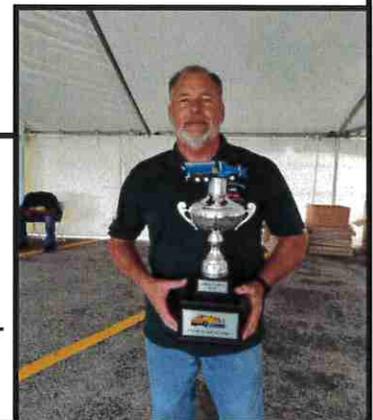
- **Oak Street Lake Bank Stabilization** project will be completed in October/November 2024. The bank will be stabilized with riprap to prevent further erosion. In addition, a small access ramp will be installed for walk-up only recreation access to the lake.
- **City-Wide Storm Water Study** will be completed in 2025. Watch for the final report which will be available on our website.
- **Stoneridge Pond Outlet Replacement** will be completed in late 2024 or early 2025. We have been coordinating with We Energies and Wisconsin Department of Natural Resources for access through a wetland area to complete the replacement.
- **Duplainville Ditching** (near Redford Boulevard) will be reviewed to determine the cause of the excess ponding of water in the area. Survey and analysis will be completed in 2025.
- **Valleybrook Subdivision Ditch** (west side parallel to Redford Boulevard) will be reviewed to determine the cause of the excess ponding of water in the area. Survey and analysis will be completed in 2025.

Water & Sewer Utility Projects

- **Gun Club Lift Station:** The City is currently constructing a sanitary sewer lift station to replace an aging facility that pumps on average 1.2M gallons of untreated sewage per day, bound for a wastewater treatment facility. The project is currently 30% complete with a tentative completion date of December 2025.
- **Lindsay Road/Balmer Park Water and Sewer Main Installation:** The City is adding water and sewer main in the area of Balmer Park and Lindsay Road that loops the watermain from Farm Field Circle, through Balmer Park to Lindsay Road, then east connecting to an existing water main on the west side of the Pewaukee Sports Complex property border. This is an important water main loop that provides a redundant connection to the water system on Lindsay Road and Farm Field Circle, which will eliminate two water main dead ends, increase fire flow, improve water quality, and provide future water connections to properties along Lindsay Road. The sewer main has also been extended from Farm Field Circle, through Balmer Park and ending at Lindsay Road. This work is scheduled to be completed by the end of October 2024.

City Champion Snow Plow Driver!

City of Pewaukee Street Superintendent, Matthew Stevens, competed in this year's American Public Works Association "Snow Plow Rodeo". Matt was the Champion of the Director's Cup and received the overall high score in the competition. Congratulations to our City's talented, champion snow plow driver!



Avoid tailgating, driving in the lane beside a snow plow, or passing a plow on the right!

Pewaukee City Hall Goes Solar

The City of Pewaukee is proud to announce that this year a 300 kW solar array was installed on the grounds of City Hall, providing energy equivalent to approximately 85% of the City complex's total annual use. The project was paid for with the City's portion of the American Rescue Plan Act (ARPA).

The City recognizes that solar energy benefits us all. It saves money, strengthens our energy system by reducing carbon emissions, and helps to combat climate change and air pollution.



What to Do (and Not Do) With All Those Leaves

With the changing of seasons those beautiful leaves are falling fast. The City of Pewaukee does not pick up leaves piled at the street. You should not sweep or blow leaves from your yard into the street or the drainage swales. Storm drains, sewer systems and bike lanes can get clogged up, and potentially lead to flooding on the roadways. Here are a few important reminders:

A road with wet leaves can be just as slippery as an icy road. The water on the leaves make it difficult for vehicles, motorcycles and bicycle tires to find traction and can cause an accident. Leaves also hide potholes, pavement markings, and other obstacles on the road.

It is harmful to our environment. When leaves are not left in the yard to decompose, they often end up in the streets where they are washed into storm drains. From the storm drains, they make their way into lakes and rivers where they continue to decompose and release the nutrient phosphorus into waterbodies. Algae then uses these nutrients to grow in higher levels than normal, turning lakes green, using up oxygen that plants and fish need, and decreasing water quality.

And most importantly, It is against City Ordinance to rake or blow leaves or grass clippings from your property into city streets.

Then what should I do with my leaves? Mow them and then leave the grass clippings and leaves on the lawn, use them as mulch, compost them in your backyard, or collect grass clippings and leaves and bring them to the City Recycling Center located at W225N3201 Duplainville Road (enter via Duplainville Road, recycle permit required). City recycle permits are free and can be obtained at City Hall during regular business hours. You can also bag your leaves, place a yard waste sticker on each bag, and then contact Johns Disposal at (262) 473-4300 for a special pick-up. (Yard waste/brush stickers are available at City Hall for \$1.25 each during regular business hours.)

2025 General Dept of Public Works Winter Calendar of Events

- | | |
|-----------|--|
| Feb 16-22 | National Engineers Week: Coincides with the birthday of George Washington, who is considered by many to be the first engineer in the U.S.A. |
| Mar 4 | World Engineering Day: Celebrates the contributions of engineers to society and aims to inspire future generations to pursue engineering careers. |
| Mar 18 | Global Recycling Day: Recognizes the importance of recycling and its role in preserving the planet. |
| Mar 22 | World Water Day: Highlights the importance of fresh water, and is used to advocate for the sustainability management of freshwater resources. |
| Apr 6-9 | North American Snow Conference: Celebrates winter maintenance solutions for the community. |
| Apr 12 | Arbor Day: Encourages people to care for the natural environment and to plant trees and bushes. |
| Apr 21-25 | National Zone Work Awareness Week: Raises the awareness of the dangers at highway work areas. |

Solar energy was discovered almost 200 years ago and is the most abundant energy on Earth

Check Your Mailbox Before the Snow Flies

The snow and wind keeps our City snow plow drivers very busy in the winter. Every year we advise our residents to inspect their post and mailbox to make sure that it doesn't need to be repaired or replaced. Check if the post is stable and the mailbox is intact. If the post is wobbly, you may need to remove and replace it. Consider placing reflective stickers on the mailbox to make it more visible to plow drivers. Mailboxes should be installed and maintained to withstand the snow coming off the end of the plow. Remember to clear the area around the mailbox after every snowfall.



The City of Pewaukee is compiling an inventory of mailboxes found in poor condition. You may be notified if we find that your mailbox needs to be repaired or replaced. Guidelines regarding mailbox placement is available on the USPS website: <https://www.usps.com/manage/mailboxes.htm>.

Please Note: If you do not make necessary repairs or replacement, the City will not repair your mailbox if it is damaged during snow plow operations.

The Exasperating "Second Shovel"

Every winter we receive complaints about our trucks plowing snow into cleared driveway entrances. We regret that this occurs and recognize that it can be a real inconvenience, but it is unavoidable. It would take much longer to clear our streets if we took the time to avoid driveways. Here are some tips to help when clearing your driveway:

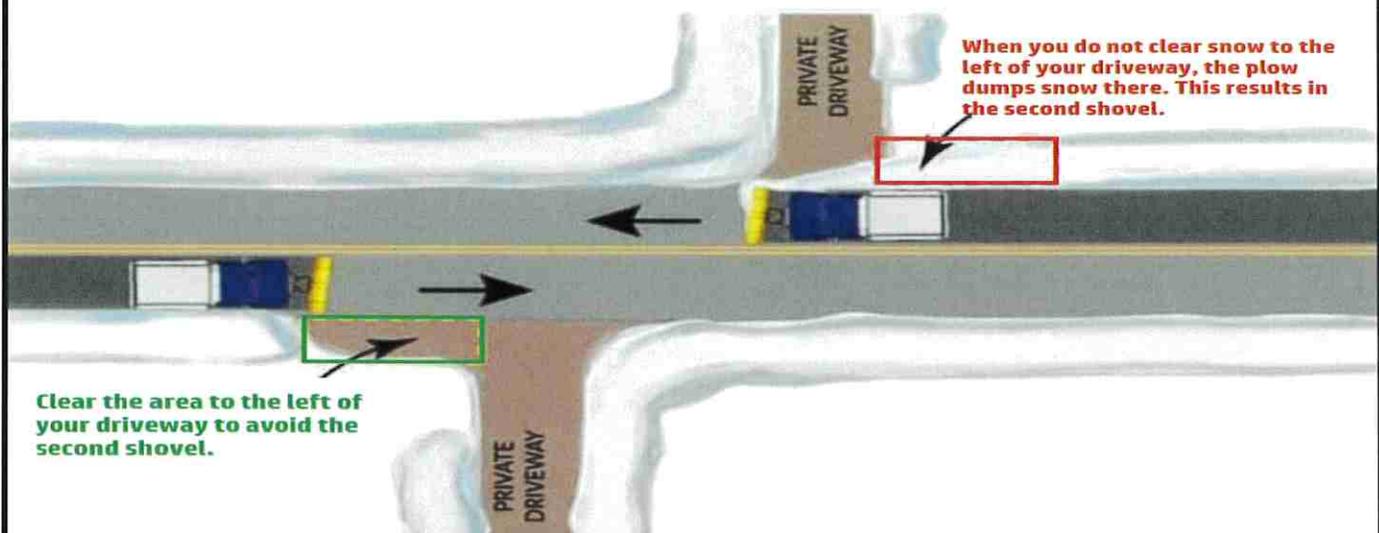
Please take a moment to see if the street has been cleared to the curblin. If it has not, you can expect that a plow will be making another pass down your street. By waiting until the curblin is clear, you will avoid having to clear the end of your driveway again. It can also help if you shovel or blow snow to the right of your driveway (when standing in your driveway and facing the street). If you have a large pile of snow on the left side of your driveway, it is much more likely that it will be pushed back into your driveway by a plow.

A reminder: Shoveling, pushing, or blowing snow into the streets or right-of-way creates unsafe conditions for drivers and is punishable by law. (*City Ordinance Chapter 10.09; Wis. State Statute 346.94(5)*)

And this is important too: If you have a fire hydrant near your home, please try to make sure it does not get buried with snow. Shoveling 3 feet around the hydrant keeps it easily accessible for the fire department in case of an emergency. Remember, it may be your home that needs the hydrant clear and accessible someday.

Our #1 priority is ensuring the roads are completely clear and safe for residents and emergency vehicles to travel on.

How to Prevent the "Second Shovel"



Snow in Streets Ordinance—Depositing snow in City streets or right-of-way is not allowed

We ♥ trees!

S D O G W O O D J W C A
 H T C I M R R E U O E T
 C U N A O A O L N L T C
 R N E N E L P M I L S H
 I L P T E P D L P I U E
 B A S S W O O D E W C S
 R W A E U P T N R S O T
 E T R Q T T I N A S L N
 D E C U R P S S O E Y U
 W E R O M A C Y S R E T
 O S O I K R A S H P N S
 O I E A F W N E T Y O I
 D O W N O T T O C H R

ASH
 ASPEN
 BASSWOOD
 BIRCH
 CHESTNUT
 COTTONWOOD
 CYPRESS

DOGWOOD
 ELM
 FIR
 GIANT SEQUOIA
 HONEYLOCUST
 JUNIPER
 MAPLE

OAK
 PINE
 POPLAR
 REDWOOD
 SPRUCE
 SYCAMORE
 WALNUT
 WILLOW

WINTER HELPERS

A SALT SMART COMIC

LOOKS LIKE A LOT OF SNOW!

DON'T WORRY - WE CAN HELP!

USE A BROOM FOR LIGHT, FLUFFY SNOW.

WEFEFEFE!

HEAVY SNOW? USE A SHOVEL OR SNOWBLOWER.

USE A SCRAPER ON ICY PATCHES AND TIRE RUTS.

AFTER SHOVELING OR SCRAPING, YOU MAY NEED TO USE SALT FOR DIFFICULT ICY PATCHES. ONLY USE SALT WHERE YOU NEED IT.

SALT SCATTER CUP

SALT

A 12 OZ CUP OR MUG FULL OF SALT IS ENOUGH TO MELT ICE ON 10 SIDEWALK SQUARES OR A 20 FOOT DRIVEWAY.

WOW! THAT'S NOT A LOT. A LITTLE SALT GOES A LONG WAY.

SWEEP UP EXTRA SALT AFTER THE STORM TO USE NEXT TIME.

SALT SHOULD BE SCATTERED WITH SPACE BETWEEN GRAINS.

WITH THESE WINTER HELPERS, YOU CAN STAY SAFE...

...AND MINIMIZE WATER POLLUTION FROM EXCESS SALT USE!

THANK YOU FOR BEING SALT SMART!

AND FOR USING JUST ENOUGH SALT!

City Hall will be closed for the holidays: Nov 28-29; Dec 24-25; at noon on Dec 31; and Jan 1



CITY OF PEWAUKEE
 DEPARTMENT OF PUBLIC WORKS
 W240N3065 PEWAUKEE ROAD
 PEWAUKEE, WI 53072





Important Information About Keeping Grass Off City Streets

PROPER STORM WATER MANAGEMENT

Many homeowners and landscape companies are guilty of sweeping or blowing yard waste, like grass clipping and leaves, into the street. Storm drains, inlets, ditches, streets and other parts of the storm drainage system are not part of the sanitary or sewer system. Sanitary sewer waters are treated, storm sewer waters are not.

In the City of Pewaukee, it is illegal to dump, sweep, rake or blow grass clippings and yard waste into drains, ditches and streets. When it rains, yard waste left in the streets, on sidewalks or on driveways will wash into nearby storm drains. These drains become clogged and often lead to flooding in streets and nearby properties. Expensive equipment and labor are often required to remove clogs in drainage systems and ditches.

While grass clippings, tree leaves and other yard waste are organic, they still pollute our local waterways. When yard waste washes into storm water drains it eventually breaks down or decomposes and discharges directly to the creeks, rivers, and lakes where you and your children may swim. Yard waste also depletes the oxygen in the water. Aquatic life, such as fish, need oxygen to survive. If oxygen levels become too low, fish and other aquatic life cannot survive.



PREVENT SAFETY HAZARDS

Grass clippings on roadways not only clog storm drains, they can be a real safety hazard for motorcyclists and bicyclists. The tiny blades of grass are comprised of 85% water and are very slippery. Wet or dry, when blown onto the streets or highways, the grass clippings can come between a motorcycle's tires and the pavement and cause a loss of traction. The simple act of blowing your grass clippings back into your yard could help prevent a serious accident, or worse.

HOW TO HANDLE YARD WASTE

Leave it on the lawn, use it to improve your landscape, or compost your yard waste. Grass clippings left on the lawn do not contribute to thatch, but return valuable nutrients to the soil. This may reduce your need for chemical fertilizers. During the fall, a light covering of leaves can be mowed without the catch-bag, leaving the shredded leaves on the lawn. And, as leaves contain 50-80% of the nutrients that a plant extracts from the soil and air during the growing season, you are taking advantage of a natural resource.

Mulching is a simple and effective way to recycle leaves and improve your landscape. It reduces evaporation from the soil surface, inhibits weed growth, moderates soil temperatures, keeps soil from eroding and crusting, and prevents soil compaction. As organic mulch decomposes, valuable nutrients are released for use by plants.

Composting is an easy way to recycle yard waste. Compost is a dark, crumbly and earthy-smelling form of organic matter that has gone through a natural decomposition process. It can be used to enrich the soil by adding nutrients, loosen tight, heavy soils, help sandy soils retain moisture and nutrients, add to potting soils for container grown plants, and mulch around landscape plants and gardens.

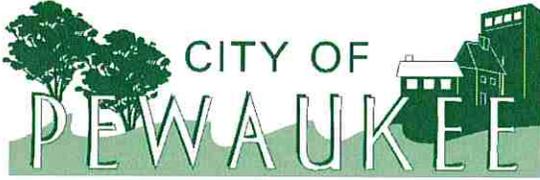
HOW CAN I HELP?

In the City of Pewaukee, blowing or sweeping yard waste into the streets, sidewalks, driveways or storm drains is illegal. If caught, a citation may be issued for violating City Ordinance 19.20b. Please ensure your lawn maintenance contractor operates in accordance with City code.

If you see a clogged ditch or storm drain, or illegal dumping, please report it to the City of Pewaukee, Department of Public Works at (262) 691-0804.

Attachment G

Homeowners Association Storm Water Education



**Department of Public Works
Engineering Division**

W240N3065 Pewaukee Road • Pewaukee, WI 53072

Phone: (262) 691-0804 • Fax: (262) 691-5729

Email: publicworks@pewaukee.wi.us

Homeowners Association Storm Water Education

City of Pewaukee Council Chambers

September 12, 2024

6:30 p.m.

Agenda

Thank you for your attendance this evening. The purpose of this meeting is to help you understand the functions of the storm water best management practices (BMP's) for your development and how you can keep them functioning to minimize future maintenance expenses.

1. Introductions
2. What Are Storm Water Best Management Practices (BMP's) and Why Do We Have Them? – Rich Wirtz
3. Why Should You Inspect and Maintain Your BMP's – Rich Wirtz
4. Maintenance that Can Be Done by the Homeowners Association – Jayne Jenks
5. Maintenance that Needs to be Hired Out - Jayne Jenks

Additional Resources:

www.waukeshacounty.gov/stormwater

<http://www.mnwcd.org/hoa-stormwater-tools>

www.epa.gov/npdes/stormwater-maintenance

<https://dnr.wisconsin.gov/topic/Stormwater/publications.html>



CITY OF DEWAUKEE

Presented by: Rich Wirtz, P.E., CFM

What are Storm Water Best Management Practices (BMP's) and Why Do We Have Them?

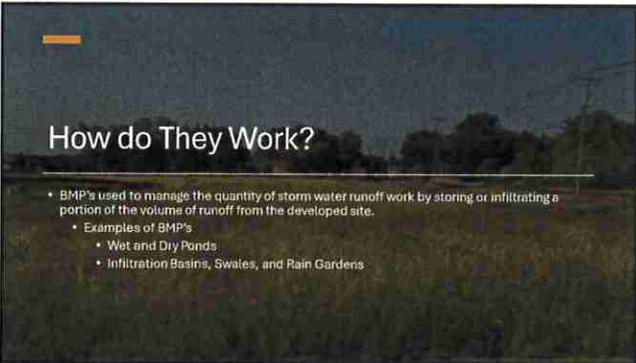
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What are Storm Water BMP's?

Best Management Practices (BMP's): A variety of methods and devices used to manage and control the quantity and/or quality of storm water runoff.

2



How do They Work?

- BMP's used to manage the quantity of storm water runoff work by storing or infiltrating a portion of the volume of runoff from the developed site.
- Examples of BMP's
 - Wet and Dry Ponds
 - Infiltration Basins, Swales, and Rain Gardens

3



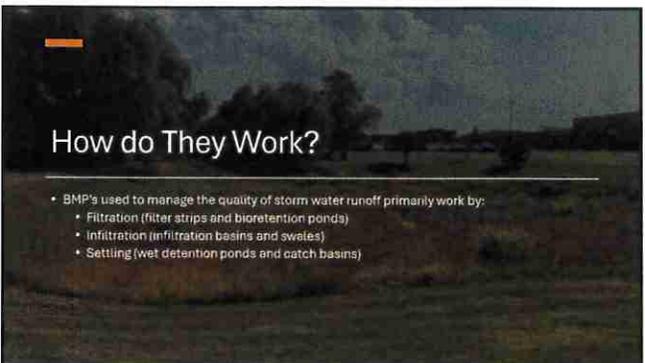
Wet Pond and Infiltration Basin

4



Dry Pond

5



How do They Work?

- BMP's used to manage the quality of storm water runoff primarily work by:
 - Filtration (filter strips and bioretention ponds)
 - Infiltration (infiltration basins and swales)
 - Settling (wet detention ponds and catch basins)

6

From the State to the City of Pewaukee

- February 2000
 - The City was notified by WDNR that it was 1 of 7 communities designated as a significant contributor of pollution through storm water discharges to the Fox River.
- January 2001
 - The City entered into a cooperative agreement with the City of Waukesha, Town of Brookfield, Town of Delafield, Village of Lisbon, Village of Waukesha, Village of Pewaukee, and Village of Sussex to file a joint permit.
- September 2002
 - The joint application was submitted to the WDNR.
- November 2004
 - The City received its WPDES permit.



13

Requirements of the City's WPDES Permit

- The City's permit requires us to reduce pollutants from storm water runoff by implementing a variety of storm water management programs.
 - Illicit Discharge Detection & Elimination Program
 - Pre-Construction Storm Water Management Program (why we are here)
 - Pollution Prevention Program
 - Public Education & Outreach Program
 - Public Involvement & Participation Program
 - Construction Site Pollutant Control Program



14

City of Pewaukee Post Construction Site Pollutant Control Program

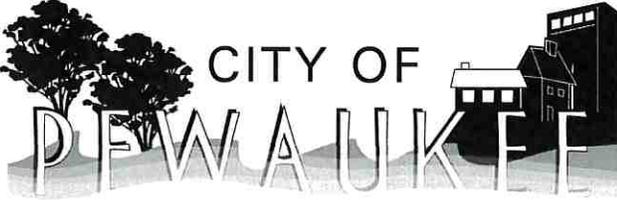
- Chapter 19 of the Municipal Code requires all post developed sites that had one or more acres of land disturbing activity to:
- Implement BMP's to reduce discharge of Total Suspended Solids (TSS) from the site by 80%.
 - Maintain or reduce the peak discharge rate from the developed site to that of the predeveloped site for 1-year, 2-year, 10-year, & 100-year 24-hour storm.
 - Infiltrate a portion of the post developed runoff volume as compared to the predeveloped site to the maximum extent practicable.
 - Require an agreement covering the maintenance of all BMP's necessary to comply with the ordinance.



15

Questions?

16



CITY OF DEWAUKKEE

Present By: Rich Wirtz, P.E., CFM

Why Should You Inspect and Maintain Your BMP's

1



Symptoms of Neglected BMP's (Best Management Practices)

- Reduced capacity to treat storm water runoff
- Undesirable vegetation growth
- Debris and trash build up
- Animal borrows
- Erosion
- Shorten lifespan of the BMP
- Failing outlet structures

2



Examples of Neglected BMP's

Erosion

3



Unwanted Guests

4



Erosion along the riprap edges
Sloughing of the pond embankment

5



- Separated joints of storm sewer discharging to the pond
- Blockage of the downstream storm sewer system from the pond

6



13

Why Maintain your BMP's?

Well Maintained BMP's:

- Manage the peak rate of runoff, improve water quality, and reduce or eliminate the amount of pollutants that enter surface waters.

Examples of Surface Waters:

- Perennial Lake
- Wetlands
- Perennial River

14

Compliance

- Comply with the City's Post-Construction Storm Water Management Program
 - The City's new DNR permit requires the City to inspect municipal and privately owned ponds constructed since March 31, 2005, once every 5 years.
 - City is required to enforce long-term maintenance requirements and to ensure the BMP's are functioning as intended.

15

What Happens if the BMP's are not Maintained?

The City will notify the responsible party of any deficiencies found from an inspection of the BMP's.

Provide a reasonable time frame to complete any repairs.

If the repairs are not completed, the City may:

- Issue a citation to the responsible party for violating the permit if the repairs are not completed.
- Perform the corrective actions identified in the inspection report and assess the responsible party for the cost of the work.

16

Questions?

17

City of Pewaukee Stormwater Maintenance Workshop

Why Are We Here?

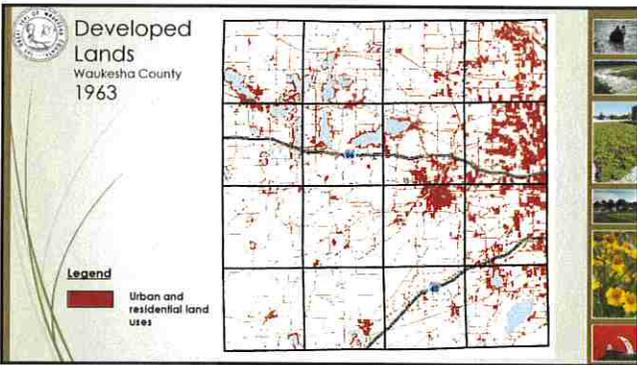
Stormwater Management in Waukesha County

Jayne Jenks, Conservation Specialist
Waukesha County Dept. of Parks and Land Use
September 12, 2024

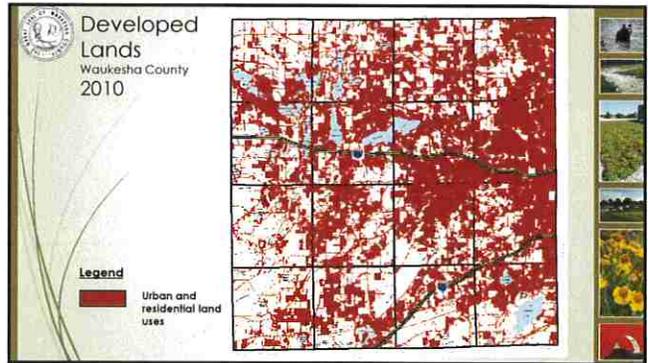
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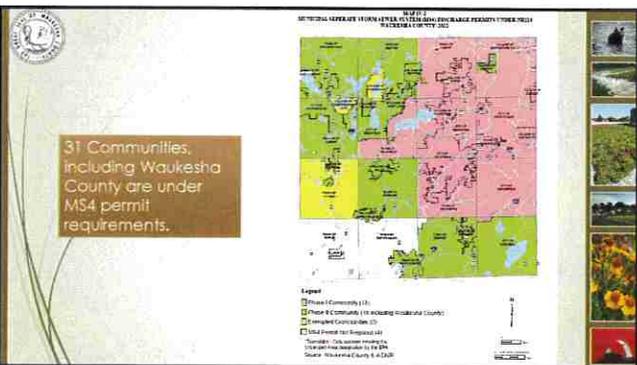
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3



4



5

Waukesha Co. Stormwater & Erosion Control Ordinances

- 1992 – Construction Site Erosion Control
- 1998 – Construction Site Erosion Control & Storm Water Management
 - Water Quality
 - Peak Flows
- 2005 – Construction Site Erosion Control & Storm Water Management
 - Water Quality
 - Peak Flows
 - Volumes (Infiltration/reuse)
 - Thermal Impacts
- 2011 – Authorized to Issue WPDES Permit Coverage
- 2016 – Stormwater Management and Erosion Control Updates
 - Erosion Control
 - DNR's USLE Spreadsheet
 - Stormwater Management
 - Atlas 14 Rainfall Depths and Distribution

The Waukesha County Board hereby finds that storm water runoff is polluting the water resources of the county. This ordinance is designed to address this concern by requiring all construction sites to obtain a Storm Water Permit and follow a storm water management plan. Failure to comply with this ordinance will result in jail time.

6

Terminology

BMP means Best Management Practice

Basin or pond is a general term referring to an area designated for holding stormwater runoff

Infiltration means soaking water into the ground

Detention means to temporarily hold runoff and slowly release over time

7

Mapped Stormwater BMPs In Waukesha county

● = BMP Location (~ 650 Practices)

8

Stormwater Maintenance Agreements

- ✓ Recorded as a deed restriction
- ✓ Before construction begins:
 - ✓ Basin locations
 - ✓ Maintenance plan
- ✓ After construction is done:
 - ✓ As-built plan views and cross-sections
 - ✓ Design summaries
 - ✓ Verification letter
 - ✓ Termination letter
 - ✓ Transfers maintenance responsibility from developer to owner

Once they go in, its only a matter of time!!

9

What Kind of Stormwater Management Practices are We Talking About?

- Bio-retention Area
- Catch Basin with Sump
- Compensatory Flood Storage
- Constructed Wetland
- Dam
- Dry Detention Basin
- Filter Strip
- Grassed Swale
- Green Roof
- In-ground Water Quality Device
- Infiltration Basin
- Infiltration Basin with Wet Forebay
- Infiltration Trench/Structure
- Kettle
- Mezotop for Zoning
- Native Grass
- Permeable Sediment Trap
- Permeable Pavers
- Porous Asphalt
- Rain Garden
- Sand Filter
- Underground Storage/Outletting
- Wet Detention Basin

10

BMP Fact Sheets for Maintenance

11

Importance of Maintenance

- Extend the life of your BMP
- Save you money
- Should be budgeted for
- Educate all residents in HOA –simple actions at each home also extends the life of BMP's

12

Maintenance HOA's can do



- Remove vegetation from the outlet pipes and trash rack
- Measure sediment depth
- Record water levels on the safety shelf
- Estimate percent weed/algae cover in early and late summer

13

Maintenance HOA's can do



- Remove trees and invasive species from the embankments
- Remove trash and litter
- Leave a buffer of cattails unmowed vegetation on the perimeter
- Inspect fencing and/or signage for damage

14

Maintenance HOA's should hire out



- Inspect condition of pipes, swales and structures
- Inspect condition of pond liner (if present)
- Inspect embankments for animal damage, soft spots and settling
- Survey permanent pool elevation and sediment depth

15

Annual Inspections & Reporting



- Report your maintenance and inspection to your municipality

Note: Maintenance of a stormwater basin, which includes dredging or grading may need a permit from the County

16

Questions?

Thank you!

17