CITY OF PEWAUKEE

ANNUAL REPORT TO

THE DEPARTMENT OF NATURAL RESOURCES

IN ACCORDANCE WITH

NR216 PERMIT REQUIREMENTS

SUBMITTED MARCH 27, 2024

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. There was one illicit discharge detected during the field screening program. A white, chalky substance was discharged to a storm sewer inlet on Ridgeview Parkway West, just upstream of outfall P23-6. The residue from the discharge was dry at the time of discovery. A review of the activities occurring in the area did not determine a likely source for the discharge and evidence of similar discharges to storm inlets in the area were not present.

The City of Pewaukee Fire Department (PFD) responded to 12 incidents involving a spill in the past reporting year; 10 of these occurred either on Waukesha County Highway or Wisconsin State Highway property, and two occurred in the City of Pewaukee. One of the incidents occurring in the City of Pewaukee involved a chemical spilled in the box of a delivery truck. The spill was estimated to be 3-4 gallons of Vortexx. MSDS sheets for the product recommended containment of small spills with oil dry and to dilute any product that was outside the truck with water at a 10 to 1 ratio. The spilled substance in the vehicle was contained with oil dry and the remainer was diluted with 750 gallons of water. The second incident was for a disabled vehicle that was supposed to have an active leak. Upon arrival no leak was found.

City Staff responded to one illicit discharge complaint during the reporting year and were made aware of three other incidents. A complaint was received in July 2023 of a concrete truck washing out to a storm inlet in the Springdale Estates Subdivision. By the time the incident was reported, it had been approximately 24 hours since the discharge had occurred. The Highway Department was contacted regarding removal of the remaining liquid contained in the inlet.

City Staff were notified of spill at a business on Cheaney Road by the Wisconsin Department of Natural Resources (WDNR) in late November 2023. Approximately 100 gallons of lube oil had spilled onto a parking lot and entered the storm sewer system. A remediation company was working with the business and the WDNR to clean up the spill.

Two sanitary sewer overflows occurred during the reporting year. The first occurred early in the morning in January 2023 on Westwood Drive and was the result of a pump failure at the downstream lift station.

Sewage backed up into a local business and out of a sampling manhole into a section of Westwood Drive. The estimated quantity of sewage was approximately 130,000 gallons. Utility staff were able to fix the pump and by the time staff from the engineering department were notified and arrived at the scene, the sewage that had overflowed into the street section had been removed. Utility staff had indicated the fire department had responded to the spill.

The second incident occurred in March 2023 on Sunny Ridge Lane when an 8-inch sewer plug left in the system from an old project (a 2011 sewer extension) caused a sewer backup and sewage to seep out of a manhole. Utility staff had a sewer cleaning contractor dislodge the plug and eliminate the back up. The estimated amount of sewage involved was approximately 1000 gallons.

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 into 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 2024.

Construction Site Pollutant Control

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 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 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, Notices of Violation, issuing fines, posting stop work orders, requiring enforcement conferences and 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 five erosion control permits for new development and conducted approximately 422 compliance inspections in 2023. Four Notices of Noncompliance and three Notices of Violation were issued during the reporting year. This resulted in recommendations for fines of approximately $2500.00. City Staff (not including consultant time) spent approximately 267 hours conducting inspections, reviewing erosion control plans and reports, and enforcing the City's erosion control ordinance.

The Building Inspection Department conducted approximately 171 erosion control inspections in 2023.

Describe Any Planned Changes to the Program

None at this time.

Post-Construction Site Storm Water Management

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 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 three permits for post-construction site discharges from new development in 2023. City Staff and consultants have conducted reviews of submittals for six proposed developments and six existing developments for compliance with the post-construction site storm water management requirements of the Municipal Code during the reporting year. Staff also conducted fourteen inspections of City owned BMP's and six inspections of privately owned BMP's during the reporting year. City staff issued one notice to a developer/HOA requiring corrective actions for the sites four storm water management facilities. This program accounted for approximately 171 hours of City Staff time during the reporting period.

Describe Any Planned Changes to the Program

The city has been in the process of documenting its storm water management program and formalizing procedures for inspection and tracking of existing storm water management facilities built to comply with Chapter 19 of the Municipal Code and NR 216 and NR 151 of the State Statutes. This work has been delayed by the review, permitting and enforcement of the City's construction site erosion control and post-construction site storm water management ordinance. To date the bulk of the program has been documented and forms have been created for the inspection of various storm water management practices. Remaining work items include documenting the procedures and frequency for the inspection of the existing storm water management facilities, and a program for the tracking of inspections, maintenance, and enforcement of the post-construction site BMP's. City Staff continue to locate and compile available data on the existing storm water management facilities that have been constructed over the years. This data will aid in the inspection of these facilities and determine what agreements are in place for the maintenance of these facilities.

Pollution Prevention

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, 37 maintenance agreements and 100 storm water management plans have been located and scanned into the City's network.

Thirteen municipal facilities were inspected by City Staff during the reporting period. City Staff also conducted six inspections of privately owned storm water management ponds and received reports from private facility owners covering an additional fourteen inspections during the reporting period. City staff issued one notice to a developer/HOA requiring corrective actions for the sites four storm water management facilities.

During the reporting period repairs were made to the three facilities at Wagner Park at a total contract cost of $164,767.00. Additionally, the city is currently seeking to repair the outlet structure for one of the private ponds for which the city has maintenance responsibility.

Describe Any Planned Changes to the Program

The completion of the inventory is still lagging due to the time requirements of other permit programs. As time allows staff will work on the completion of the inventory, preparation of inspection forms and the development of procedures for conducting and tracking inspections of the private facilities.

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 eighteen tons of solids were removed as a result of catch basin cleaning in 2023. Additionally, 28 storm sewer structures were repaired during the reporting period. Repairs were conducted through a combination of City Highway Staff and City contracted projects.

A total of seventy structures along Green Road were inspected to estimate sump depth and the amount of material captured within the sump. Five of these structures were determined to be inlets (having no sump) with the remainder having sumps that range from 12 to 18 inches in depth. The table in Attachment B identifies the structures to be included in the program.

Describe Any Planned Changes to the Program

The program needs to be updated to include the catch basins installed along Green Road and Duplainville Road and to include the maintenance and repairs of the storm inlets and manholes that have been occurring annually over the last several years.

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 once in the fall all City streets 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 2023, the city had approximately 95.2 miles (190.4 lane miles) of roadways, of which approximately 44.3 miles (88.6 lane miles) were of a rural cross-section and 50.9 miles (101.8 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 114 hours were spent sweeping 1129 lane miles of streets in 2023. This effort removed approximately 54.1 tons of solids prior to entering the City's MS4 system.

Describe Any Planned Changes to the Program

None at this time.

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 and 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.

City Staff from the Highway Department attend training periodically regarding winter management operations. The last training event was held in 2016 (Smart Salting Level 1) with seven members of the Highway Department attending.

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 in a given year. It is therefore difficult to evaluate whether the City's salt application is reduced 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 3.3 tons per mile less at 14.4 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 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 State 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 State 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

*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 2023-2024 winter season will not be available until the State publishes its Annual Winter Maintenance Report, usually at the end of the year.

The statewide average WSI for the 2022-2023 winter season was 116.2 which indicates an above average winter season for the state as a whole with the harshest weather in the northern part of the state. The WSI for Waukesha County on the other hand was 84.6 which indicates a below average winter for the county.

As of the writing of this report, the salt use for the 2023-2024 winter season is calculated to be 599 tons less than the previous season with approximately 1965 total tons of salt used. This translates to approximately 10.3 tons per lane mile of salt applied to City Streets which is 3.3 tons per lane mile less than the previous year.

Waukesha County was reported to have utilized approximately 16.1 tons of salt/lane mile for the 2022-2023 winter season which was 2.5 tons per lane mile more 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 2022-2023 winter season is approximately 14.4 tons per lane mile. This is approximately 1.5 tons per lane mile less than the average 15.9 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 C.

Describe Any Planned Changes to the Program

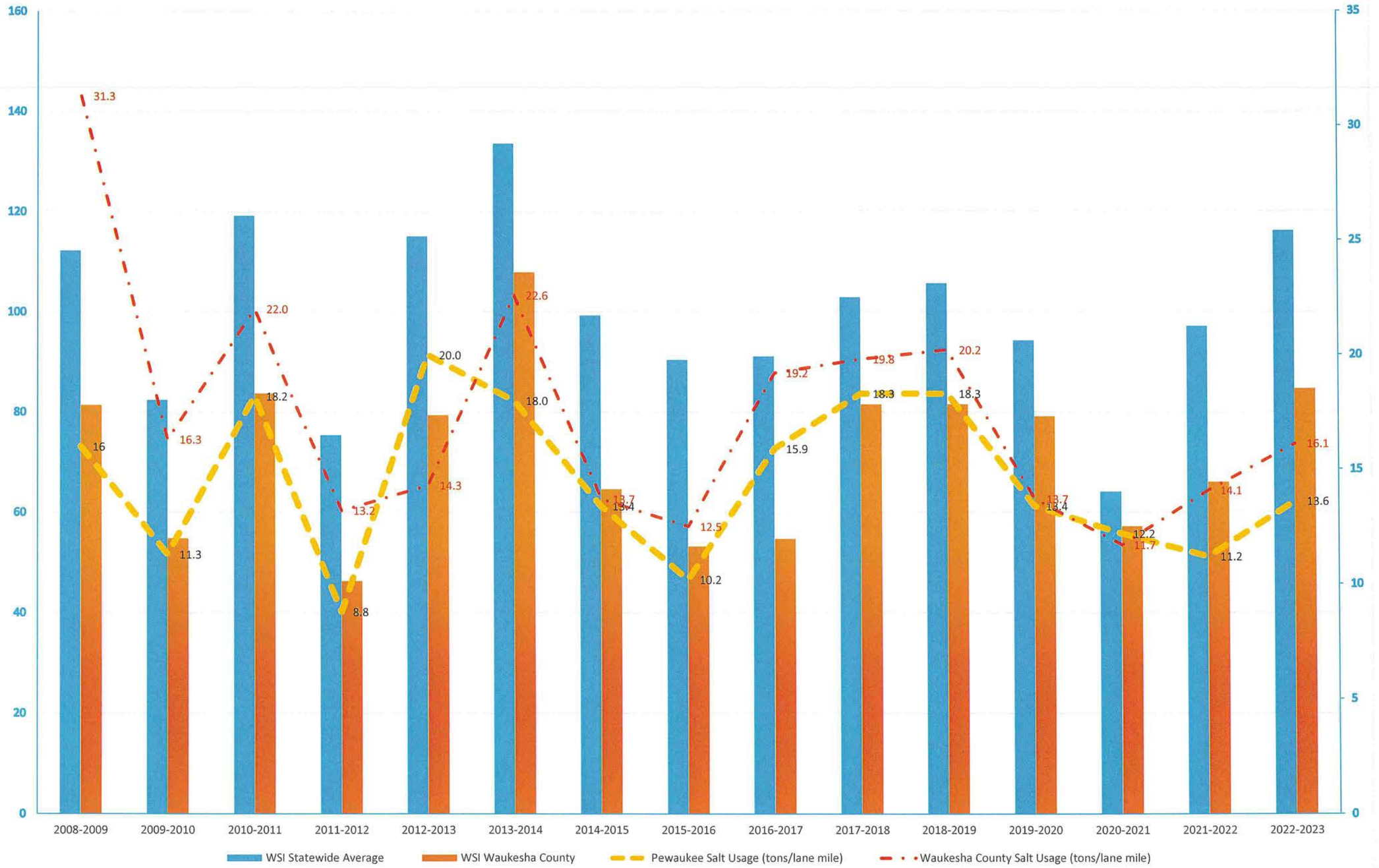
None at this time.

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**
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	23.9
Number of Measurable Events	33	34	28	50	39	29	45	26	31	52	38	25	23	36	40	31	29	26	31	14
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	1.7
Total Tons of Salt	1584~	2995~	4199~	4287~	2808~	1995~	3203*	1558	3548	3174	2396	1881	2914	3372	3376	2460	2250	2066	2564	1965
Total Hours Worked	NA	NA	NA	NA	NA	NA	NA	596	1272	1863	903	812	1171	1215	1564	1213	1230	1123	1527	1329
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**
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
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**	**
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**	**
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**	**

~ Total may include salt and salt/sand mixture. *Total includes salt and salt/sand mixture. **Not determined at the time of reporting. [a]Extrapolated 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 on the lower level of the Pewaukee City Hall campus. 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 452 tons of material. The City's waste hauler reported collecting approximately 2.64 tons of yard waste in 2023.

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 the City Hall and 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 as a result of 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 2023.

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 2024. 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.

Describe Any Planned Changes to the Program

None at this time.

Other Reportable Results

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 95.2 lineal miles of roads with approximately 44.3 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 1680 feet of roadside swales which netted an estimated 152 tons of soil. The City also contracted for 3 construction projects which included approximately 5200 lineal feet of ditch improvements, 1470 feet of new culverts and the construction of a 4.7-acre dry pond.

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 3038 lineal feet of storm sewer, lined approximately 1950 lineal feet of storm sewer with a cured in place pipe liner, and replaced 918 lineal feet of damaged storm sewer.

Improvements to the storm water management facilities in Wagner Park were substantially completed in the fall of 2023. The improvements included: re-attachment of the storm sewer outfalls to the north pond; new outlet structures to the north and south pond; correcting the erosion and muskrat damage to the banks of the south pond; and installation of engineered soil and changes to the outlet for the southwest rain garden.

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 2023. These included:

- NASECA-WI's 20th Annual Conference and Trade Show, February 1-2, 2023 (1 attendees)
- WAFSCM 2023 Annual Conference, November 2, 2023 (1 attendee)
- TMDL & MS4 Compliance: What We've Learned and Where We're Headed Next, September 26, 2023 (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 2023 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; changes to the City's post construction site storm water management and construction site erosion control ordinance; 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. As an example, the City's MS4 Annual Report was presented to the Common Council on April 3, 2023. 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 projects 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 and grass clippings flier 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.

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:	2023 Annual Report
County:	Waukesha
Municipality:	Pewaukee, City
Permit Number:	S050105
Facility Number:	30726
Reporting Year:	2023

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 - Uti
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: 70

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**
☑ Education activities (school presentations, summer camps) ☑ Information booth at event ☑ Targeted group training (contractors, consultants, etc.) ☑ Government event (public hearing, council meeting) ☑ Workshops ☑ Tours ☐ Other:	☑ 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:

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

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.*

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)
☑ MS4 Annual Report ☐ Storm Water Management Program ☐ Storm Water related ordinance ☑ Other: Storm Water Management Pract...	☑ General Public ☐ Public Employees ☑ Residents ☐ Businesses ☐ Contractors ☐ Developers ☐ Industries ☑ Public Officials ☐ Other	Select...	○ Yes ◉ 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	☑ General Public ☐ Public Employees ☐ Residents ☐ Businesses ☐ Contractors ☐ Developers ☐ Industries ☐ Public Officials ☐ Other	101 +	◉ Yes ○ No

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

Residents who adopt-a-drain are asked to clean 2 times per month & report the quantity they remove. Citizen stream monitors collect water quality data from local waters. Clam surveys get residents learning about aquatic life in that waterway.

Minimum Control Measures - Section 3 : Complete

3. Illicit Discharge Detection and Elimination

a. How many total outfalls does the municipality have? 126

b. How many outfalls did the municipality evaluate as part of their 20

routine ongoing field screening program?

c. From the municipality's routine screening, how many were confirmed illicit discharges? 1

d. How many illicit discharge complaints did the municipality receive? 1

e. From the complaints received, how many were confirmed illicit discharges? 1

f. How many of the identified illicit discharges did the municipality eliminate in the reporting year (from both routine screening and complaints)? 0

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

g. 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)	0
☑ Notice of Violation	0
☑ Civil Penalty/ Citation	0

Additional Information:

h. 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.*

The 2 illicit discharges discovered were one time discharges to storm inlets. Both were discovered after the fact and no information was available on the offenders. See the attached City of Pewaukee Annual Report for more information.

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? 17

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? 5

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)? 422

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)	4
☑ Notice of Violation	3
☑ Civil Penalty/ Citation	3
☑ Stop Work Order	0
☐ Forfeiture of Deposit	
☑ Other - Describe below	0

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 ? 5

*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. 20

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?

f. How many municipally operated (private) storm water management BMPs were inspected in the reporting year? 0

g. 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)	1
☑ Notice of Violation	0

☑ Civil Penalty/ Citation	0
☐ Forfeiture of Deposit	
☑ Complete Maintenance	0
☑ Bill Responsible Party	0
☑ Other - Describe below	0

Loss of a storm water utility credit

e. 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 or operated (i.e., privately owned BMPs) structural storm water management best management practices. 17

b. How many new municipally owned storm water management best management practices were installed in the reporting year ? 1

c. How many municipally owned (public) storm water management best management practices were inspected in the reporting year? 13

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

Embankments, outlets, vegetation, erosion, pre-treatment, accumulation of trash and debris, etc.

e. How many of these facilities required maintenance? 3

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? 2

h. How many inspections of municipal properties have been conducted in the reporting year? 2

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? 54

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? 0

r. If known, how many tons of material was collected? 18

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* 190

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	60	80	1560	260	0

Liquids (gallons) (ex. brine)

	Oct	Nov	Dec	Jan	Feb	Mar
Brine	0	0	0	2770	1468	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.

Minimum Control Measures - Section 7 : Complete

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			
1465	1500	1500	Storm water utility
Element: Public Involvement and Participation			
1465	1500	1500	Storm water utility
Element: Illicit Discharge Detection and Elimination			
6230	3290	3410	Storm water utility
Element: Construction Site Pollutant Control			
82470	43609	45790	Other
Element: Post-Construction Storm Water Management			
15840	43609	45790	Other
Element: Pollution Prevention			
1535908	3497000	2436002	Storm water utility
Other (describe)			
Storm Water Quality Management			
223187	410000	225000	Storm water utility
Other (describe)			
Storm Sewer System Map			
0	5000	5000	Storm water utility

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

Form 3400-224(R8/2021)

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.

Attach - Other Supporting Documents

AR_Other

File Attachment

20240327_City of Pewaukee Draft Annual Report.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.

[x] I accept the above terms and conditions.

Signed by : i:0#.f|wamsmembership|cityofpewaukee on 2024-03-28T13:14:56

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

Pewaukee Catch Basin Inventory

Pewaukee Catch Basin Inventory

15-May-23

GIS Sturcture Number	Plan Structure Number	Structure Size	Estimated/Assumed Sump Depth	Asbuilt/Plan Sheet Number	Notes
Un-numbered	?	?	?	?	Structure # RPR1 in original program-location has not yet been determined.
17.2-012	CB MH 1	assume 48 inch DIA	assume 12 inches	Asbuilt TP-331	Structure # PETRD1 in original program-have not verified structure size/sump depth.
17.2-011	CB MH 2	assume 48 inch DIA	assume 12 inches	Asbuilt TP-331	Structure # PETRD2 in original program-have not verified structure size/sump depth.
17.2-010	CB MH 3	assume 48 inch DIA	assume 12 inches	Asbuilt TP-331	Structure # PETRD3 in original program-have not verified structure size/sump depth.
17.2-009	CB MH 4	assume 48 inch DIA	assume 12 inches	Asbuilt TP-330	Structure # PETRD4 in original program-have not verified structure size/sump depth.
17.2-008	CB MH 5	assume 48 inch DIA	assume 12 inches	Asbuilt TP-330	Structure # PETRD5 in original program-have not verified structure size/sump depth.
17.2-007	CB 6A	assume 20x30 inches	assume 12 inches	Asbuilt TP-330	Structure # PETRD6A in original program-have not verified structure size/sump depth.
17.2-006	CB MH 7A	assume 48 inch DIA	assume 12 inches	Asbuilt TP-330	Structure # PETRD7A in original program-have not verified structure size/sump depth.
17.2-005	CB MH 7B	assume 48 inch DIA	assume 12 inches	Asbuilt TP-330	Structure # PETRD7B in original program-have not verified structure size/sump depth.
17.2-004	CB MH 8	assume 48 inch DIA	assume 12 inches	Asbuilt TP-329	Structure # PETRD8 in original program-have not verified structure size/sump depth.
17.2-003	CB MH 9A	assume 48 inch DIA	assume 12 inches	Asbuilt TP-329	Structure # PETRD9A in original program-have not verified structure size/sump depth.
17.2-002	CB MH 9B	assume 48 inch DIA	assume 12 inches	Asbuilt TP-329	Structure # PETRD9B in original program-have not verified structure size/sump depth.
17.2-001	CB 9C	assume 20x30 inches	assume 12 inches	Asbuilt TP-329	Not included in original program-indentified CB on asbuilts.
17.2-013	INLET 11A	assume 20x30 inches	assume 12 inches	Asbuilt TP-332	Not included in original program-determined structure has sump in field.
17.2-014	INLET 11B	assume 20x30 inches	assume 12 inches	Asbuilt TP-332	Not included in original program-determined structure has sump in field.
17.2-021	CB	assume 24 inch DIA	assume 12 inches	Asbuilt TP-329	Not included in original program-indentified CB on asbuilts.
14.2-001	CB 1A	24X36 inch	estimated 12 inches	Asbuilt TP-639/PS-01	May 2023: estimated 5 inches slop; estimated 3 inches top of slop to invert.
14.2-002	CB 3A	24X36 inch	estimated 12 inches	Asbuilt TP-640/PS-02	May 2023: estimated 6 inches slop; estimated 6 inches top of slop to invert.
11.3-004	CB 3C	24X36 inch	NO SUMP	Asbuilt TP-640/PS-02	May 2023: estimated 3 inches slop with hard bottom; top of slop at invert.
11.3-003	CB 3B	24X36 inch	estimated 12 inches	Asbuilt TP-640/PS-02	May 2023: estimated 6 inches slop; estimated 3 inches top of slop to invert.
11.3-005	CB 3D	24 inch DIA	estimated 12 inches	Asbuilt TP-640/PS-02	May 2023: sump needs cleaning.
11.3-001	CB 1C	assume 24 inch DIA	assume 12 inches	Asbuilt TP-639/PS-01	May 2023: did not measure
11.3-002	CB 2A	24 inch DIA	estimated 12 inches	Asbuilt TP-639/PS-01	
11.3-006	CB 5B	24X36 inch	estimated 12 inches	Asbuilt TP-641/PS-03	May 2023: estimated 8-9 inches slop; estimated 2 inches top of slop to invert.
11.3-007	CB 6B	24X36 inch	estimated 12 inches	Asbuilt TP-641/PS-03	May 2023: estimated 6 inches slop; estimated 3 inches top of slop to invert.
11.3-008	CB 6C	24X36 inch	estimated 12 inches	Asbuilt TP-641/PS-03	May 2023: estimated 6 inches slop; estimated 6 inches top of slop to invert.
14.2-003	CB 5A	24X36 inch	NO SUMP	Asbuilt TP-641/PS-03	May 2023: estimated 3-5 inches slop with hard bottom; top of slop at invert.
14.2-004	CB 6A	24X36 inch	estimated 12 inches	Asbuilt TP-641/PS-03	May 2023: estimated 12 inches slop; top of slop at invert.
14.2-005	CB 8A	48 inch DIA	NO SUMP	Asbuilt TP-642/PS-04	May 2023: poured inverts
14.2-006	CB 8B	24X36 inch	estimated 12 inches	Asbuilt TP-642/PS-04	May 2023: estimated 6 inches slop; estimated 3 inches top of slop to invert.
11.3-009	CB 8D	24X36 inch	estimated 12 inches	Asbuilt TP-642/PS-04	May 2023: estimated 9 inches slop; top of slop at invert.
11.3-010	CB 8C	24X36 inch	estimated 12 inches	Asbuilt TP-642/PS-04	May 2023: estimated 5 inches slop; estimated 2 inches top of slop to invert.
11.3-011	CB 8E	24 inch DIA	estimated 18 inches	Asbuilt TP-642/PS-04	May 2023: estimated 12 inches slop; estimated 2 inches top of slop to invert.
11.3-023	CB 9A	24X36 inch	estimated 12 inches	Asbuilt TP-643/PS-05	May 2023: estimated 6 inches slop; estimated 6 inches top of slop to invert.
11.3-024	CB 9B	24X36 inch	NO SUMP	Asbuilt TP-643/PS-05	May 2023: is an inlet.
11.3-012	CB 10B	24X36 inch	estimated 12 inches	Asbuilt TP-643/PS-05	May 2023: estimated 7 inches slop; estimated 3-5 inches top of slop to invert.
14.2-007	CB 10A	24X36 inch	estimated 12 inches	Asbuilt TP-643/PS-05	May 2023: estimated 6 inches slop; top of slop at invert.
11.4-001	CB 13D	assume 24 inch DIA	assume 12 inches	Asbuilt TP-644/PS-06	May 2023: did not measure
14.1-165	CB 12A	24X36 inch	estimated 12 inches	Asbuilt TP-644/PS-06	May 2023: estimated 7 inches slop; estimated 3-5 inches top of slop to invert.
14.1-167	CB 13A	24X36 inch	estimated 12 inches	Asbuilt TP-644/PS-06	May 2023: estimated 5 inches slop; estimated 3-4 inches top of slop to invert.
14.1-169	CB 14B	24X36 inch	estimated 12 inches	Asbuilt TP-645/PS-07	May 2023: estimated 11 inches slop; top of slop at invert.

Pewaukee Catch Basin Inventory

15-May-23

GIS Sturcture Number	Plan Structure Number	Structure Size	Estimated/Assumed Sump Depth	Asbuilt/Plan Sheet Number	Notes
14.1-170	CB 14A	24X36 inch	estimated 12 inches	Asbuilt TP-645/PS-07	May 2023: estimated 6 inches slop; estimated 2 inches top of slop to invert.
14.1-172	CB 15	24X36 inch	estimated 12 inches	Asbuilt TP-645/PS-07	May 2023: estimated 12 inches slop; top of slop at invert.
14.1-176	CB 16A	24 inch DIA	estimated 12 inches	Asbuilt TP-645/PS-07	May 2023: estimated 6 inches slop; estimated 3 inches top of slop to invert.
Un-numbered	CB 19C	24 inch DIA	estimated 12 inches	Asbuilt TP-646/PS-08	May 2023: estimated 12 inches slop; top of slop at invert.
11.4-002	CB 20B	24 inch DIA	estimated 12 inches	Asbuilt TP-646/PS-08	May 2023: estimated 12 inches slop; top of slop at invert.
14.1-181	CB 19A	24X36 inch	estimated 12 inches	Asbuilt TP-646/PS-08	May 2023: estimated 6 inches slop; estimated 6 inches top of slop to invert.
14.1-184	CB 20A	24X36 inch	estimated 12 inches	Asbuilt TP-646/PS-08	May 2023: estimated 5 inches slop; estimated 3 inches top of slop to invert.
14.1-186	CB 21A	24X36 inch	estimated 12 inches	Asbuilt TP-646/PS-08	May 2023: estimated 6 inches slop; estimated 2 inches top of slop to invert.
14.1-185	CB 21B	24X36 inch	estimated 12 inches	Asbuilt TP-646/PS-08	May 2023: estimated 5 inches slop; estimated 4 inches top of slop to invert.
11.4-009	CB 22A	24X36 inch	estimated 18 inches	Asbuilt TP-647/PS-09	May 2023: estimated 7 inches slop; estimated 11 inches top of slop to invert.
11.4-005	CB 23C	24 inch DIA	estimated 18 inches	Asbuilt TP-647/PS-09	May 2023: estimated 12 inches slop; estimated 3 inches top of slop to invert.
14.1-190	CB 23A	24X36 inch	estimated 12 inches	Asbuilt TP-647/PS-09	May 2023: estimated 5 inches slop; estimated 3 inches top of slop to invert.
11.4-006	CB 24A	24X36 inch	estimated 18 inches	Asbuilt TP-648/PS-10	May 2023: estimated 18 inches slop; top of slop at invert.
11.4-007	CB 26C	24X36 inch	estimated 12 inches	Asbuilt TP-648/PS-10	May 2023: estimated 12 inches slop; top of slop at invert.
14.1-193	CB 25A	24X36 inch	estimated 12 inches	Asbuilt TP-648/PS-10	May 2023: estimated 7 inches slop; estimated 3 inches top of slop to invert.
14.1-195	CB 26A	24X36 inch	estimated 12 inches	Asbuilt TP-648/PS-10	May 2023: estimated 12 inches slop; top of slop at invert.
14.1-196	CB 26B	24X36 inch	estimated 12 inches	Asbuilt TP-648/PS-10	May 2023: estimated 12 inches slop; top of slop at invert.
13.2-001	CB 28	24X36 inch	estimated 12 inches	Asbuilt TP-649/PS-11	May 2023: estimated 12 inches slop; top of slop at invert.
13.2-003	CB 29B	24X36 inch	assume 12 inches	Asbuilt TP-650/PS-12	May 2023: could not measure-ec fabric in structure
13.2-002	CB 29A	24X36 inch	assume 12 inches	Asbuilt TP-650/PS-12	May 2023: could not measure-ec fabric in structure
12.3-001	CB 30D	24X36 inch	assume 12 inches	Asbuilt TP-651/PS-13	May 2023: could not measure-ec fabric in structure
12.3-002	CB 30C	24X36 inch	assume 12 inches	Asbuilt TP-651/PS-13	May 2023: could not measure-ec fabric in structure
13.2-005	CB 30B	24X36 inch	assume 12 inches	Asbuilt TP-651/PS-13	May 2023: could not measure-ec fabric in structure
13.2-004	CB 30A	24X36 inch	assume 12 inches	Asbuilt TP-651/PS-13	May 2023: could not measure-ec fabric in structure
12.3-003	CB 31A	24X36 inch	assume 12 inches	Asbuilt TP-652/PS-14	May 2023: could not measure-ec fabric in structure
13.2-006	CB/MH 47	60 inch DIA (PLAN)	assume 12 inches	Asbuilt TP-652/PS-14	May 2023: could not measure-ec fabric in structure
12.3-004	CB 32B	24X36 inch	estimated 12 inches	Asbuilt TP-653/PS-15	May 2023: estimated 6 inches slop; estimated 4 inches top of slop to invert.
12.3-005	CB 33C	24X36 inch	assume no sump	Asbuilt TP-653/PS-15	May 2023: misc. concrete dumped in structure - could not get accurate measurement
13.2-007	CB 32A	24X36 inch	estimated 12 inches	Asbuilt TP-653/PS-15	May 2023: estimated 6 inches slop; estimated 3 inches top of slop to invert.
13.2-009	CB 33B	24X36 inch	estimated 12 inches	Asbuilt TP-653/PS-15	May 2023: estimated 7 inches slop; estimated 1 inches top of slop to invert.
13.2-008	CB 33A	24X36 inch	estimated 12 inches	Asbuilt TP-653/PS-15	May 2023: estimated 5 inches slop; estimated 3 inches top of slop to invert.
12.3-008	CB 35D	24X36 inch	estimated 12 inches	Asbuilt TP-654/PS-16	May 2023: estimated 12 inches slop; top of slop at invert.
12.3-009	CB 35C	24X36 inch	estimated 12 inches	Asbuilt TP-654/PS-16	May 2023: estimated 7 inches slop; top of slop at invert.
13.2-012	CB 35B	24X36 inch	estimated 12 inches	Asbuilt TP-654/PS-16	May 2023: estimated 7 inches slop; top of slop at invert.
13.1-001	CB 37A	24X36 inch	estimated 12 inches	Asbuilt TP-655/PS-17	May 2023: estimated 5 inches slop; estimated 6 inches top of slop to invert.
13.1-003	CB 38B	24X36 inch	estimated 12 inches	Asbuilt TP-655/PS-17	May 2023: estimated 11 inches slop; top of slop at invert.
13.1-002	CB 38A	24X36 inch	estimated 12 inches	Asbuilt TP-655/PS-17	May 2023: estimated 11 inches slop; top of slop at invert.
13.1-004	CB 40A	24X36 inch	estimated 12 inches	Asbuilt TP-656/PS-18	May 2023: estimated 6 inches slop; estimated 3 inches top of slop to invert.
13.1-005	CB 41A	24X36 inch	estimated 12 inches	Asbuilt TP-656/PS-18	May 2023: estimated 7 inches slop; top of slop at invert.
13.1-009	CB 42A	24X36 inch	estimated 12 inches	Asbuilt TP-657/PS-19	May 2023: estimated 6 inches slop; estimated 3 inches top of slop to invert.
13.1-008	CB-43B	24X36 inch	estimated 12 inches	Asbuilt TP-658/PS-20	May 2023: estimated 12 inches slop; top of slop at invert.

Pewaukee Catch Basin Inventory

15-May-23

GIS Sturcture Number	Plan Structure Number	Structure Size	Estimated/Assumed Sump Depth	Asbuilt/Plan Sheet Number	Notes
13.1-007	CB 43A	24X36 inch	estimated 12 inches	Asbuilt TP-658/PS-20	May 2023: estimated 12 inches slop; top of slop at invert.
13.1-006	CB/MH 44A	48 inch DIA	assume 12 inches	Asbuilt TP-659/PS-21	May 2023: too deep to measure; top of slop at invert
13.1-010	CB 46	24X36 inch	estimated 12 inches	Asbuilt TP-659/PS-21	May 2023: estimated 12 inches slop; top of slop at invert.
13.2-001	CB 35A	24X36 inch	estimated 12 inches	Asbuilt TP-654/PS-16	May 2023: estimated 6 inches slop; top of slop at invert.
Un-numbered	INL 2	24X36 inch (PLAN)	18 inches per plan	Sheet 83	Installed as a part of Duplainville Road project in 2022
Un-numbered	INL 3	24X36 inch (PLAN)	18 inches per plan	Sheet 83	Installed as a part of Duplainville Road project in 2022
Un-numbered	MH 1.2	72 inch DIA (PLAN)	18 inches per plan	Sheet 83	Installed as a part of Duplainville Road project in 2022
Un-numbered	INL 4.1	24X36 inch (PLAN)	18 inches per plan	Sheet 83	Installed as a part of Duplainville Road project in 2022
Un-numbered	MH 1.1	72 inch DIA (PLAN)	18 inches per plan	Sheet 83	Installed as a part of Duplainville Road project in 2022
Un-numbered	INL 4.3	24X36 inch (PLAN)	18 inches per plan	Sheet 83	Installed as a part of Duplainville Road project in 2022
Un-numbered	MH 1.4	84 inch DIA (PLAN)	18 inches per plan	Sheet 83 & 107	Installed as a part of Duplainville Road project in 2022
Un-numbered	INL 6.1	48 inch DIA (PLAN)	18 inches per plan	Sheet 84	Installed as a part of Duplainville Road project in 2022
Un-numbered	MH 2.1	72 inch DIA (PLAN)	18 inches per plan	Sheet 84	Installed as a part of Duplainville Road project in 2022
Un-numbered	MH 4	72 inch DIA (PLAN)	18 inches per plan	Sheet 85	Installed as a part of Duplainville Road project in 2022
Un-numbered	INL 13	24X36 inch (PLAN)	18 inches per plan	Sheet 85	Installed as a part of Duplainville Road project in 2022
Un-numbered	MH 5	72 inch DIA (PLAN)	18 inches per plan	Sheet 86	Installed as a part of Duplainville Road project in 2022
Un-numbered	INL 17	24X36 inch (PLAN)	18 inches per plan	Sheet 86	Installed as a part of Duplainville Road project in 2022
Un-numbered	INL 19	24X36 inch (PLAN)	18 inches per plan	Sheet 87	Installed as a part of Duplainville Road project in 2022
Un-numbered	MH 6	72 inch DIA (PLAN)	18 inches per plan	Sheet 87	Installed as a part of Duplainville Road project in 2022
Un-numbered	INL 20.2	24X36 inch (PLAN)	18 inches per plan	Sheet 87	Installed as a part of Duplainville Road project in 2022
Un-numbered	MH 6.1	72 inch DIA (PLAN)	18 inches per plan	Sheet 87	Installed as a part of Duplainville Road project in 2022
Un-numbered	INL 22	24X36 inch (PLAN)	18 inches per plan	Sheet 89	Installed as a part of Duplainville Road project in 2022
Un-numbered	MH 7.1	48 inch DIA (PLAN)	18 inches per plan	Sheet 89	Installed as a part of Duplainville Road project in 2022
Un-numbered	INL 27.1	24X36 inch (PLAN)	18 inches per plan	Sheet 95	Installed as a part of Duplainville Road project in 2022
Un-numbered	MH 9	48 inch DIA (PLAN)	18 inches per plan	Sheet 95	Installed as a part of Duplainville Road project in 2022
Un-numbered	INL 28.1	60 inch DIA (PLAN)	18 inches per plan	Sheet 96	Installed as a part of Duplainville Road project in 2022
Un-numbered	INL 28.2	60 inch DIA (PLAN)	18 inches per plan	Sheet 96	Installed as a part of Duplainville Road project in 2022
Un-numbered	INL 31.1	60 inch DIA (PLAN)	18 inches per plan	Sheet 97	Installed as a part of Duplainville Road project in 2022
Un-numbered	INL 31	60 inch DIA (PLAN)	18 inches per plan	Sheet 97	Installed as a part of Duplainville Road project in 2022
Un-numbered	INL 36	36 inch DIA (PLAN)	18 inches per plan	Sheet 99	Installed as a part of Duplainville Road project in 2022
Un-numbered	INL 39	60 inch DIA (PLAN)	18 inches per plan	Sheet 100	Installed as a part of Duplainville Road project in 2022
Un-numbered	INL 43	60 inch DIA (PLAN)	18 inches per plan	Sheet 104	Installed as a part of Duplainville Road project in 2022

Attachment C

Winter Road Management Summary Tables

Road Salt / Deicers Usage
City of Pewaukee
2023-2024

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
26-Nov-23	Plow	0	Salt	60	28	28	2	44	10		*The season has begun*
1-Dec-23	Plow	0	Salt	80	29	27	1	48	9		*Rush hour run slippery*
5-Jan-24	Pre-wet	770									*Pre wet Run*
6-Jan-24	plow	400	Salt	80	29	29	1	36	10		*Quick 1 inch*
9-Jan-24	Plow	800	Salt	250	29	28	7	120	10		*All day snow 3 RUNS*
10-Jan-24	Plow	200	Salt	80	26	27	1	50	10		*1 Inch overnight Plus clean-up*
11-Jan-24	Plow	200	Salt	140	26	27	4	80	10		*1" forcasted got 4" 2 Runs*
12-Jan-24	Plow	400	Salt	220	26	25	14	150	10		*Wet and heavy with many trees down 3 Runs*
13-Jan-24	Plow	0	Salt	100	-7	2	1	80	11		*1" overnight plus clean-up*
14-Jan-24	Plow	0	Salt	100	-10	0	2	90	10		*2" overnight plus drifting*
15-Jan-24	Plow	0	Salt	100	2	5		80	10	80	*Drifting and benching*
16-Jan-24	Plow	0	Salt	50	-10	-2		80	10	40	*Benching*
17-Jan-24	Plow	0	Salt	40	-6	0		80	10		*Hard pack*
19-Jan-24	Plow	0	Salt	80	-5	0	2	50	10		*2" overnight plus drifting*
22-Jan-24	Plow	0	Salt	80	20	15	Ice	50	10		*Freezing Rain*
23-Jan-24	Salt	0	Salt	160	31	30	Ice	80	10		*Freezing changed to freezing rain 2-Runs*
23-Jan-24	Plow	0	Salt	80	34	33	1	80	10		*Storm changed to snow*
1-Feb-24	Salt	0	Salt	40	32	31	Ice	24	8		*Freezing Fog*
14-Feb-24	Pre-wet	1068									*Pre-wet run*
15-Feb-24	Plow	200	Salt	60	32	31	2	40	10		*Quick Hitter*
23-Feb-24	Salt	200	Salt	80	28	26	1	27	9		*Dusting but got icy*
28-Feb-24	Salt	0	Salt	80	22	23	1	40	10		*73 degrees to 21 degrees with snow new record*

Total Brine Used (gal) 4238 *Total Salt Used (tons)* 1960 *Average Air Temp per Entry (deg F)* 17.8 *Average Pavement Temp. per Entry (deg F)* 19.25 *Number of Entries* 20

Total Event Hours Worked 1329

Road Salt / Deicers Usage
City of Pewaukee
2023-2024

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	60									
December	0	80									
January	2770	1560									
February	1468	260									
March	0	0									

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 Range during event (°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
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 Range during event (°F)	Precipitation Amount (inches)	Hours of Event (worked)	# of Drivers/# of Trucks	Hours of Post-Event Clean-Up	Other Information
17-Feb-23	Plow	0	SALT	80	15	12		48	10		*Clean-up*
22-Feb-23	Plow	400	SALT	60	28	26	5	50	10		*Just started*
22-Feb-23	Plow	200	SALT	60	28	26		60	10		*Another run*
23-Feb-23	Plow	300	SALT	80	29	28		60	10		*Clean-up*
25-Feb-23	Plow	300	SALT	80	23	21	2	45	9		*Fast mover overnight*
6-Mar-23	Plow	300	SALT	60	32	29	2	50	10		*Wet and slushy*
9-Mar-23	Pre-wet	1000									*Pre- wet*
9-Mar-23	Salt	300	SALT	50	33	32		40	10		*Snow just started*
10-Mar-23	Plow	300	SALT	50	33	32	7	50	10		*Wet and heavy snow*
10-Mar-23	Plow	300	SALT	30	34	33		30	10		*Clean up run*
24-Mar-23	Salt	1400	SALT	10	38	35		16	2		*Pre-wet and pre salt*
25-Mar-23	Plow		SALT	80	30	29	5	36	10		*Still snowing*
25-Mar-23	Plow		SALT	40	34	33	2	60	10		*Wet and heavy hopefully done for the YEAR!*

Total Brine Used (gal) 11245 *Total Salt Used (tons)* 2550 *Average Air Temp per Entry (deg F)* 26.56 *Average Pavement Temp. per Entry (deg F)* 24.3 *Number of Entries* 43

Total Event Hours Worked 1527

	Brine	Salt
October	0	0
November	0	140
December	1150	850
January	4695	750
February	1800	490
March	3600	320
April	NA	NA

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 Produet 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	*Fluffy 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	*Spotty 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 visability*
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	Start	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)	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	1900	470									
January	500	700									
February	1900	820									
March	200	70									

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
12-Dec-20	Plow	600	Salt	180	32	31	2	86	10		*Heavey snow all day long; 2 runs*
27-Dec-20	Plow	400	Salt	100	31	30	1	32	10		*Light snow but very icy*
29-Dec-20	Pre-wet	768									*Pre-wet application prior to event*
30-Dec-20	Plow	500	Salt	160	33	31	7	90	10		*Heavy wet snow, fast mover; 2 runs*
1-Jan-21	Plow	400	Salt	160	32	30	4	100	11		*1 inch of snow predicted, received 4 inches; 2 runs*
15-Jan-21	Plow	300	Salt	100	34	32	2	36	10		*Overnight storm, fast mover*
16-Jan-21	Plow	300	Salt	100	32	31	1	36	10		*Overnight storm, fast mover*
19-Jan-21	Plow	300	Salt	100	26	25	1	30	10		*Snowfall not originally forcasted, still received 1 inch*
13-Jan-21	Pre-wet	951									*Pre-wet application prior to event*
24-Jan-21	Plow	500	Salt	150	24	26	3	70	10		*Light and fluffy snow*
25-Jan-21	Plow	800	Salt	210	26	25	8	120	10		*2 inches of snow predicted, received 8 inches with high winds; 3 runs*
29-Jan-21	Pre-wet	600									*Pre-wet application prior to event*
31-Jan-21	Plow	600	Salt	180	28	26	8	100	10		*8 inches of heavy wet snow; 2 runs*
1-Feb-21	Salt	200	Salt	40	20	18	trace	14	7		*Light dusting overnight*
4-Feb-21	Plow	300	Salt	120	32	26	3	80	10		*Temperatures falling with high winds; 2 runs*
5-Feb-21	Plow	0	Salt	100	10	11	2	120	10		*Packed snow/ice with high winds, lots of drifting; 3 runs*
12-Feb-21	Plow	0	Salt	150	6	10	2	80	10		*2 inches of snow overnight; 2 runs*
13-Feb-21	Plow	0	Salt	150	0	4	3	100	10		*3 inches of snow and cold temperatures; 2 runs*
16-Feb-21	Plow	0	Salt	160	4	5	2	64	10		*2 inches of snow overnight; 2 runs*
22-Feb-21	Plow	300	Salt	80	31	26	4	72	10		*4 inches of snow overnight, fast mover; 2 runs*

Total Brine Used (gal) 7819 *Total Salt Used (tons)* 2240 *Average Air Temp per Entry (deg F)* 23.59 *Average Pavement Temp. per Entry (deg F)* 22.76 *Number of Entries* 17

Total Event Hours Worked 1230

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
2019-2020

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
31-Oct-19	Plow	300	Salt	140	28	29	7	96	8		*Happy Halloween Slow mover; 2- RUNS*
6-Nov-19	Plow	300	Salt	70	30	28	2	32	8		*2" Started @ 3AM done @ 9AM*
6-Nov-19	Plow	300	Salt	70	30	27	1	24	8		*1" continuation of storm*
11-Nov-19	Plow	400	Salt	160	22	23	3	96	9		*2 " Very slippery; 2- Runs*
14-Nov-19	Plow	300	Salt	60	28	27	1	24	7		*1" fast mover*
12-Dec-19	Pre-wet	850									
14-Dec-19	Salt	500	Salt	80	31	29	Ice	30	9		*Light mist turned to Ice*
16-Dec-19	Plow	300	Salt	80	21	23	1	27	9		*1" overnight*
31-Dec-19	Plow	300	Salt	150	26	24	4	80	10		*5" overnight super slippery; 2- Runs*
10-Jan-20	Salt	0	Salt	50	32	34	0	27	9		*Pre- Salt prior to Storm10" inches expected*
11-Jan-20	Salt	0	Salt	100	28	27	ICE	30	10		*ICE Temperature Dropped 6 Degrees in 30 Minutes*
11-Jan-20	Salt	300	Salt	80	26	27	1"	30	10		*Beginning of Strom*
11-Jan-20	Salt	300	Salt	120	24	25	3"	50	10		*End of Strom*
13-Jan-20	Salt	300	Salt	80	32	30	2"	30	10		*2" overnight*
17-Jan-20	Salt	0	Salt	50	32	31	0	27	9		*Pre salt Run*
17-Jan-20	Plow	300	Salt	80	32	31	3	30	10		*Beginning of Storm*
18-Jan-20	Plow	300	Salt	140	32	31	3	80	10		*6" Total from storm High Winds coming; 2- Runs*
23-Jan-20	Plow	300	Salt	80	32	31	2	40	10		*Overnight Beginning of long drawn out storm*
24-Jan-20	Plow	300	Salt	100	34	33	1	40	10		*Storm continuing*
24-Jan-20	Plow	300	Salt	80	36	32	2	40	10		*Still Snowing*
25-Jan-20	Plow	300	Salt	80	34	32	1	50	10		*Still Snowing*
25-Jan-20	Plow	300	Salt	60	36	32	2	50	10		*End of Storm8" Total*
9-Feb-20	Plow	300	Salt	100	32	31	2	30	10		*Start of storm 5" perdicted.*
9-Feb-20	Plow	300	Salt	100	30	28	5	50	10		*Total storm 8" Fast mover*
13-Feb-20	Plow	0	Salt	180	12	10	4	120	10		*Quick mover Cold Blast to follow; 2- Runs*
17-Feb-20	Plow	300	Salt	80	32	30	2	40	10		*Beginning of storm*
18-Feb-20	Plow	300	Salt	80	32	30	2	40	10		*Fast mover 4 " total*

Total Brine Used (gal)	*7750*	*Total Salt Used (tons)*	*2450*	*Average Air Temp per Entry (deg F)*	*29.38*	*Average Pavement Temp. per Entry (deg F)*	*28.27*	*Number of Entries*	*26*

Total Event Hours Worked *1213*

Road Salt / Deicers Usage
City of Pewaukee
2019-2020

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
	Salt	Brine									
October	300	140									
November	360	1300									
December	310	1950									
January	1100	3000									
February	540	1200									
March	0	0									

Attachment D

Fiscal Analysis Worksheets

Spreadsheet for Fiscal Analysis Portion of City of Pewaukee's 2023 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 Ellimination	$3,290.00	$6,230.00	$3,410.00
Construction Site Pollution Control	$43,608.50	$82,470.00	$45,790.00
Post-Construction Storm Water Management	$43,608.50	$15,840.00	$45,790.00
Pollution Prevention	$3,496,999.73	$1,535,908.38	$2,436,002.00
Storm Water Quality Management	$410,000.00	$223,187.40	$225,000.00
Storm Sewer System Map	$5,000.00	$0.00	$5,000.00
Totals	**$4,005,506.73**	**$1,866,566.78**	**$2,763,992.00**

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 catagories 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 catagories do not correspond to City Budget Accounting Fields.

Illicit Discharge Detection and Ellimination Program

Budget item for reporting purposes is an estimation of Engineering Technicians time and Civil Engineers time to inspect identified MS4 outfalls and review reports. Costs will include estimates of time spent persuing spills/dumping complaints by Engineering Staff and by City Fire Services.

Reporting Year Mileage Rate (Budget):	0.655
Budget Year Milage Rate:	0.67

Note: for upcoming year budget, dollars are estimated for reporting purposes and may not necessarily correspond to the City's Budget summary. DNR catagories 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 Rporting Year**				**Budget Upcoming Year**			
Engineering Staff	**Hourly Wage**	**Hours**	**Cost**		**Hourly Wage**	**Hours**	**Cost**		**Hourly Wage**	**Hours**	**Cost**	
Engineering Technician	$57.86	40.00	$2,314.40		$57.86	40.00	$2,314.40		$59.88	40.00	$2,395.20	
Senior Engineering Technician	$63.22	4.00	$252.88		$63.22	0.00	$0.00		$65.44	4.00	$261.76	
Civil Engineer	$63.55	6.00	$381.30		$63.55	0.00	$0.00		$65.77	6.00	$394.62	
Chief Engineer-Utilities	$91.52	2.00	$183.04		$91.52	11.00	$1,006.72		$95.88	2.00	$191.76	
Chief Engineer-Roads/Develop	$88.85	0.00	$0.00		$88.85	0.00	$0.00		$93.29	0.00	$0.00	
DPW Director	$118.94	1.00	$118.94		$118.94	0.00	$0.00		$125.48	1.00	$125.48	
Mileage costs			$32.75				$41.27				$33.50	
			$3,283.31	Subtotal			$3,362.39	Subtotal			$3,402.32	Subtotal
Fire Department Staff												
Battalion Chief	$91.46	0.00	0.00		$91.46	1.00	$91.46		$99.45	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	5.00	$222.70		$44.54	0.00	$0.00	
Fire Paid on Premise Paramedic	$45.64	0.00	0.00		$45.64	2.00	$91.28		$45.64	0.00	$0.00	
Ladder Truck Costs	$0.00	0.00	0.00		$800.00	0.75	$600.00		$800.00	0.00	$0.00	
Engine Costs	$650.00	0.00	0.00		$650.00	2.00	$1,300.00		$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	$62.00	0.00	0.00		$62.00	1.00	$62.00		$130.00	0.00	$0.00	
			0.00	Subtotal			$2,867.44	Subtotal			$0.00	Subtotal
			3,283.31	Total			**$6,229.83**	**Total**			$3,402.32	Total
			3,290.00	**Use**			**6,230.00**	**Use**			**$3,410.00**	**Use**

Re-calculated Engine cost assumed based on apparatus cost of 760,000 with 10 year life cycle and 100 hours of use per year.
Re-calculated Command Vehicle assumed based on cost of 65,000 with 8 year life cycle and 100 hours of use per year.
Re-calculated ALS Unit assumed based on cost of 350,000 with 6 year life cyle and 100 hours of use per year.
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 63 miles (expenditures-63 miles@ 0.655) and 50 miles (budget) at mileage rate of 65.5 cents for 2023 and 67.0 cents for 2024.
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	$43,608.50	**Budget for Upcoming Year**	$45,790.00
Annual Expenditures for Reporting Year	$82,470.00		

Project		Wages	Hours	Total		
Swan View Farms Phase 1	R/M Bills			$1,828.22		
	AECOM Bills			$0.00		
	Engineer Tech	$57.86	0.00	$0.00		
	Sr. Engineer Tech	$63.22	0.00	$0.00		
	Civil Engineer	$63.55	3.00	$190.65		
	Chief Engineer-Utilities	$91.52	2.50	$228.80		
	Chief Engineer-Roads/Develop	$88.85	0.00	$0.00		
	DPW Director	$118.94	0.00	$0.00		
					Total	$2,247.67
Swan View Farms Phase 2		Wages	Hours	Total		
	R/M Bills			$5,178.74		
	AECOM Bills			$0.00		
	Engineer Tech	$57.86	0.00	$0.00		
	Sr. Engineer Tech	$63.22	0.00	$0.00		
	Civil Engineer	$63.55	3.25	$206.54		
	Chief Engineer-Utilities	$91.52	2.00	$183.04		
	Chief Engineer-Roads/Develop	$88.85	0.00	$0.00		
	DPW Director	$118.94	0.00	$0.00		
					Total	$5,568.32
Baenen CSM/Northview Residential		Wages	Hours	Total		
	R/M Bills			$2,299.70		
	AECOM Bills			$0.00		
	Engineer Tech	$57.86	0.00	$0.00		
	Sr. Engineer Tech	$63.22	0.00	$0.00		
	Civil Engineer	$63.55	0.25	$15.89		
	Chief Engineer-Utilities	$91.52	5.00	$457.60		
	Chief Engineer-Roads/Develop	$88.85	0.00	$0.00		
	DPW Director	$118.94	0.00	$0.00		
					Total	$2,773.19
Woodleaf Reserve Phase 4		Wages	Hours	Total		
	R/M Bills			$777.12		
	AECOM Bills			$0.00		
	Engineer Tech	$57.86	0.00	$0.00		
	Sr. Engineer Tech	$63.22	0.00	$0.00		
	Civil Engineer	$63.55	1.25	$79.44		
	Chief Engineer-Utilities	$91.52	0.50	$45.76		
	Chief Engineer-Roads/Develop	$88.85	0.00	$0.00		
	DPW Director	$118.94	0.00	$0.00		
					Total	$902.32
Waters Senior Living		Wages	Hours	Total		
	R/M Bills			$9,121.55		
	AECOM Bills			$0.00		
	Engineer Tech	$57.86	0.00	$0.00		
	Sr. Engineer Tech	$63.22	0.00	$0.00		
	Civil Engineer	$63.55	14.75	$937.36		
	Chief Engineer-Utilities	$91.52	12.75	$1,166.88		
	Chief Engineer-Roads/Develop	$88.85	0.00	$0.00		
	DPW Director	$118.94	0.00	$0.00		

			Total	$11,225.79
Woodleaf Reserve Phase 5	Wages	Hours	Total	
R/M Bills			$1,635.34	
AECOM Bills			$0.00	
Engineer Tech	$57.86	0.00	$0.00	
Sr. Engineer Tech	$63.22	0.00	$0.00	
Civil Engineer	$63.55	2.75	$174.76	
Chief Engineer-Utilities	$91.52	2.25	$205.92	
Chief Engineer-Roads/Develop	$88.85	0.00	$0.00	
DPW Director	$118.94	0.00	$0.00	
			Total	$2,016.02
WVRC Emergency Vet Clinic	Wages	Hours	Total	
R/M Bills			$821.62	
AECOM Bills			$0.00	
Engineer Tech	$57.86	0.00	$0.00	
Sr. Engineer Tech	$63.22	0.00	$0.00	
Civil Engineer	$63.55	0.75	$47.66	
Chief Engineer-Utilities	$91.52	2.00	$183.04	
Chief Engineer-Roads/Develop	$88.85	34.63	$3,076.43	
DPW Director	$118.94	0.00	$0.00	
			Total	$4,128.75
Klein-Dickert Building Expansion	Wages	Hours	Total	
R/M Bills			$30.25	
AECOM Bills			$0.00	
Engineer Tech	$57.86	0.00	$0.00	
Sr. Engineer Tech	$63.22	0.00	$0.00	
Civil Engineer	$63.55	0.00	$0.00	
Chief Engineer-Utilities	$91.52	0.75	$68.64	
Chief Engineer-Roads/Develop	$88.85	26.13	$2,321.21	
DPW Director	$118.94	0.00	$0.00	
			Total	$2,420.10
Cardinal Meadow Subdivision	Wages	Hours	Total	
R/M Bills			$7,593.21	
AECOM Bills			$0.00	
Engineer Tech	$57.86	0.00	$0.00	
Sr. Engineer Tech	$63.22	0.00	$0.00	
Civil Engineer	$63.55	5.50	$349.53	
Chief Engineer-Utilities	$91.52	9.25	$846.56	
Chief Engineer-Roads/Develop	$88.85	0.00	$0.00	
DPW Director	$118.94	0.00	$0.00	
			Total	$8,789.30
The Glen At Parkway Ridge	Wages	Hours	Total	
R/M Bills			$1,393.25	
AECOM Bills			$0.00	
Engineer Tech	$57.86	0.00	$0.00	
Sr. Engineer Tech	$63.22	0.00	$0.00	
Civil Engineer	$63.55	2.50	$158.88	
Chief Engineer-Utilities	$91.52	1.75	$160.16	
Chief Engineer-Roads/Develop	$88.85	0.00	$0.00	
DPW Director	$118.94	0.00	$0.00	
			Total	$1,712.29
Lakewood Baptist Building Addition-Soccer Field	Wages	Hours	Total	
R/M Bills			$5,338.68	
AECOM Bills			$640.51	
Engineer Tech	$57.86	0.00	$0.00	
Sr. Engineer Tech	$63.22	0.00	$0.00	
Civil Engineer	$63.55	3.25	$206.54	
Chief Engineer-Utilities	$91.52	6.25	$572.00	
Chief Engineer-Roads/Develop	$88.85	0.00	$0.00	
DPW Director	$118.94	0.00	$0.00	
			Total	$6,757.73
Irgens Fox Run	Wages	Hours	Total	
R/M Bills			$0.00	
AECOM Bills			$0.00	

Engineer Tech	$57.86	0.00	$0.00	
Sr. Engineer Tech	$63.22	0.00	$0.00	
Civil Engineer	$63.55	0.00	$0.00	
Chief Engineer-Utilities	$91.52	0.00	$0.00	
Chief Engineer-Roads/Develop	$88.85	3.25	$288.76	
DPW Director	$118.94	0.00	$0.00	
			Total	$288.76

Pewaukee South Industrial Building	Wages	Hours	Total	
R/M Bills			$1,834.82	
AECOM Bills			$0.00	
Engineer Tech	$57.86	0.00	$0.00	
Sr. Engineer Tech	$63.22	0.00	$0.00	
Civil Engineer	$63.55	0.25	$15.89	
Chief Engineer-Utilities	$91.52	4.25	$388.96	
Chief Engineer-Roads/Develop	$88.85	0.00	$0.00	
DPW Director	$118.94	0.00	$0.00	
			Total	$2,239.67

WeEnergies Pewaukee Stores Site Improvements	Wages	Hours	Total	
R/M Bills			$3,354.60	
AECOM Bills			$0.00	
Engineer Tech	$57.86	0.00	$0.00	
Sr. Engineer Tech	$63.22	0.00	$0.00	
Civil Engineer	$63.55	1.50	$95.33	
Chief Engineer-Utilities	$91.52	1.50	$137.28	
Chief Engineer-Roads/Develop	$88.85	0.00	$0.00	
DPW Director	$118.94	0.00	$0.00	
			Total	$3,587.21

Pewaukee Sports Complex Turf Replacement	Wages	Hours	Total	
R/M Bills			$0.00	
AECOM Bills			$0.00	
Engineer Tech	$57.86	0.00	$0.00	
Sr. Engineer Tech	$63.22	0.00	$0.00	
Civil Engineer	$63.55	0.00	$0.00	
Chief Engineer-Utilities	$91.52	0.00	$0.00	
Chief Engineer-Roads/Develop	$88.85	3.00	$266.55	
DPW Director	$118.94	0.00	$0.00	
			Total	$266.55

Hill-N-Dale Drainage Improvements	Wages	Hours	Total	
R/M Bills			$4,931.00	
AECOM Bills			$0.00	
Engineer Tech	$57.86	0.00	$0.00	
Sr. Engineer Tech	$63.22	0.00	$0.00	
Civil Engineer	$63.55	0.00	$0.00	
Chief Engineer-Utilities	$91.52	4.25	$388.96	
Chief Engineer-Roads/Develop	$88.85	0.00	$0.00	
DPW Director	$118.94	0.00	$0.00	
			Total	$5,319.96

Paul Road Water Main Relay	Wages	Hours	Total	
R/M Bills			$5,220.67	
AECOM Bills			$0.00	
Engineer Tech	$57.86	0.00	$0.00	
Sr. Engineer Tech	$63.22	0.00	$0.00	
Civil Engineer	$63.55	0.00	$0.00	
Chief Engineer-Utilities	$91.52	1.50	$137.28	
Chief Engineer-Roads/Develop	$88.85	0.00	$0.00	
DPW Director	$118.94	0.00	$0.00	
			Total	$5,357.95

Ridgeview Multi-Family/Interstate Partners	Wages	Hours	Total
R/M Bills			$0.00
AECOM Bills			$0.00
Engineer Tech	$57.86	0.00	$0.00
Sr. Engineer Tech	$63.22	0.00	$0.00
Civil Engineer	$63.55	0.00	$0.00
Chief Engineer-Utilities	$91.52	2.38	$217.36
Chief Engineer-Roads/Develop	$88.85	0.00	$0.00

	DPW Director	$118.94	0.00	$0.00	
				Total	$217.36
		Wages	Hours	Total	
	R/M Bills			$0.00	
	AECOM Bills			$0.00	
	Engineer Tech	$57.86	0.00	$0.00	
	Sr. Engineer Tech	$63.22	0.00	$0.00	
	Civil Engineer	$63.55	0.00	$0.00	
	Chief Engineer-Utilities	$91.52	0.00	$0.00	
	Chief Engineer-Roads/Develop	$88.85	0.00	$0.00	
	DPW Director	$118.94	0.00	$0.00	
				Total	$0.00
		Wages	Hours	Total	
	R/M Bills			$0.00	
	Strand Bills			$0.00	
	Engineer Tech	$57.86	0.00	$0.00	
	Sr. Engineer Tech	$63.22	0.00	$0.00	
	Civil Engineer	$63.55	0.00	$0.00	
	Chief Engineer-Utilities	$91.52	0.00	$0.00	
	Chief Engineer-Roads/Develop	$88.85	0.00	$0.00	
	DPW Director	$118.94	0.00	$0.00	
				Total	$0.00
Pewaukee DPW Facility Phase 1		Wages	Hours	Total	
	R/M Bills			$0.00	
	AECOM Bills			$0.00	
	Engineer Tech	$57.86	18.75	$1,084.88	
	Sr. Engineer Tech	$63.22	0.00	$0.00	
	Civil Engineer	$63.55	0.00	$0.00	
	Chief Engineer-Utilities	$91.52	2.50	$228.80	
	Chief Engineer-Roads/Develop	$88.85	0.00	$0.00	
	DPW Director	$118.94	0.00	$0.00	
				Total	$1,313.68
Pewaukee DPW Facility Phase 2		Wages	Hours	Total	
	R/M Bills			$0.00	
	AECOM Bills			$0.00	
	Engineer Tech	$57.86	18.75	$1,084.88	
	Sr. Engineer Tech	$63.22	0.00	$0.00	
	Civil Engineer	$63.55	0.00	$0.00	
	Chief Engineer-Utilities	$91.52	2.75	$251.68	
	Chief Engineer-Roads/Develop	$88.85	0.00	$0.00	
	DPW Director	$118.94	0.00	$0.00	
				Total	$1,336.56
Apple Tree - Pear Tree Road Reconstruction		Wages	Hours	Total	
	R/M Bills			$3,169.33	
	AECOM Bills			$0.00	
	Engineer Tech	$57.86	0.00	$0.00	
	Sr. Engineer Tech	$63.22	0.00	$0.00	
	Civil Engineer	$63.55	0.00	$0.00	
	Chief Engineer-Utilities	$91.52	3.00	$274.56	
	Chief Engineer-Roads/Develop	$88.85	0.00	$0.00	
	DPW Director	$118.94	0.00	$0.00	
				Total	$3,443.89
Pewaukee Storage		Wages	Hours	Total	
	R/M Bills			$0.00	
	AECOM Bills			$0.00	
	Engineer Tech	$57.86	0.00	$0.00	
	Sr. Engineer Tech	$63.22	0.00	$0.00	
	Civil Engineer	$63.55	0.00	$0.00	
	Chief Engineer-Utilities	$91.52	0.00	$0.00	
	Chief Engineer-Roads/Develop	$88.85	1.75	$155.49	
	DPW Director	$118.94	0.00	$0.00	
				Total	$155.49
Green Road Industrial Bldg/Interstate Partners		Wages	Hours	Total	
	R/M Bills			$5,596.63	
	AECOM Bills			$0.00	
	Engineer Tech	$57.86	0.00	$0.00	
	Sr. Engineer Tech	$63.22	0.00	$0.00	
	Civil Engineer	$63.55	3.50	$222.43	

	Chief Engineer-Utilities	$91.52	13.75	$1,258.40	
	Chief Engineer-Roads/Develop	$88.85	33.88	$3,009.79	
	DPW Director	$118.94	0.00	$0.00	
				Total	$10,087.25

Radiant Plastic Surgery		Wages	Hours	Total	
	R/M Bills			$0.00	
	AECOM Bills			$0.00	
	Engineer Tech	$57.86	0.00	$0.00	
	Sr. Engineer Tech	$63.22	0.00	$0.00	
	Civil Engineer	$63.55	0.00	$0.00	
	Chief Engineer-Utilities	$91.52	0.00	$0.00	
	Chief Engineer-Roads/Develop	$88.85	3.50	$310.98	
	DPW Director	$118.94	0.00	$0.00	
				Total	$310.98

		Wages	Hours	Total	
	R/M Bills			$0.00	
	AECOM Bills			$0.00	
	Engineer Tech	$57.86	0.00	$0.00	
	Sr. Engineer Tech	$63.22	0.00	$0.00	
	Civil Engineer	$63.55	0.00	$0.00	
	Chief Engineer-Utilities	$91.52	0.00	$0.00	
	Chief Engineer-Roads/Develop	$88.85	0.00	$0.00	
	DPW Director	$118.94	0.00	$0.00	
				Total	$0.00

Post Construction Storm Water Management

Note: The City's Post Construction Site Storm Water Management Program 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 $43,608.50

Budget for Upcoming Year $45,790.00

Annual Expenditures for Reporting Year $15,840.00

Project		Wages	Hours	Total		
	The Glen At Parkway Ridge					
	AECOM Bills			$0.00		
	Engineer Tech	$57.86	0.00	$0.00		
	Sr. Engineer Tech	$63.22	0.00	$0.00		
	Civil Engineer	$63.55	0.00	$0.00		
	Chief Engineer-Utilities	$91.52	11.50	$1,052.48		
	Chief Engineer-Roads/Develop	$88.85	0.00	$0.00		
	DPW Director	$118.94	0.00	$0.00		
					Total	$1,052.48
	Lakewood Baptist Bldg Addition-Soccer Field	Wages	Hours	Total		
	AECOM Bills			$640.55		
	Engineer Tech	$57.86	0.00	$0.00		
	Sr. Engineer Tech	$63.22	0.00	$0.00		
	Civil Engineer	$63.55	0.00	$0.00		
	Chief Engineer-Utilities	$91.52	5.75	$526.24		
	Chief Engineer-Roads/Develop	$88.85	0.00	$0.00		
	DPW Director	$118.94	0.00	$0.00		
					Total	$1,166.79
	Irgens Fox Run	Wages	Hours	Total		
	AECOM Bills			$0.00		
	Engineer Tech	$57.86	0.00	$0.00		
	Sr. Engineer Tech	$63.22	0.00	$0.00		
	Civil Engineer	$63.55	0.00	$0.00		
	Chief Engineer-Utilities	$91.52	0.00	$0.00		
	Chief Engineer-Roads/Develop	$88.85	3.25	$288.76		
	DPW Director	$118.94	0.00	$0.00		
					Total	$288.76
	Green Road Industrial Building/Interstate Partners	Wages	Hours	Total		
	AECOM Bills			$0.00		
	Engineer Tech	$57.86	0.00	$0.00		
	Sr. Engineer Tech	$63.22	0.00	$0.00		
	Civil Engineer	$63.55	0.00	$0.00		
	Chief Engineer-Utilities	$91.52	0.00	$0.00		
	Chief Engineer-Roads/Develop	$88.85	33.88	$3,009.79		
	DPW Director	$118.94	0.00	$0.00		
					Total	$3,009.79
	Ridgeview Multi-Family/Interstate Partners	Wages	Hours	Total		
	AECOM Bills			$0.00		
	Engineer Tech	$57.86	0.00	$0.00		
	Sr. Engineer Tech	$63.22	0.00	$0.00		
	Civil Engineer	$63.55	0.00	$0.00		
	Chief Engineer-Utilities	$91.52	2.38	$217.36		
	Chief Engineer-Roads/Develop	$88.85	0.00	$0.00		
	DPW Director	$118.94	0.00	$0.00		
					Total	$217.36

Klein-Dickert Building Expansion	Wages	Hours	Total	
AECOM Bills			$0.00	
Engineer Tech	$57.86	0.00	$0.00	
Sr. Engineer Tech	$63.22	0.00	$0.00	
Civil Engineer	$63.55	0.00	$0.00	
Chief Engineer-Utilities	$91.52	0.75	$68.64	
Chief Engineer-Roads/Develop	$88.85	26.13	$2,321.21	
DPW Director	$118.94	0.00	$0.00	
			Total	$2,389.85

Swan View Farms Phase 1	Wages	Hours	Total	
AECOM Bills			$0.00	
Engineer Tech	$57.86	0.00	$0.00	
Sr. Engineer Tech	$63.22	0.00	$0.00	
Civil Engineer	$63.55	0.00	$0.00	
Chief Engineer-Utilities	$91.52	1.50	$137.28	
Chief Engineer-Roads/Develop	$88.85	0.00	$0.00	
DPW Director	$118.94	0.00	$0.00	
			Total	$137.28

Pewaukee Sports Complex Turf Replacement	Wages	Hours	Total	
AECOM Bills			$0.00	
Engineer Tech	$57.86	0.00	$0.00	
Sr. Engineer Tech	$63.22	0.00	$0.00	
Civil Engineer	$63.55	0.00	$0.00	
Chief Engineer-Utilities	$91.52	0.00	$0.00	
Chief Engineer-Roads/Develop	$88.85	3.00	$266.55	
DPW Director	$118.94	0.00	$0.00	
			Total	$266.55

Pewaukee Storage	Wages	Hours	Total	
AECOM Bills			$0.00	
Engineer Tech	$57.86	0.00	$0.00	
Sr. Engineer Tech	$63.22	0.00	$0.00	
Civil Engineer	$63.55	0.00	$0.00	
Chief Engineer-Utilities	$91.52	0.00	$0.00	
Chief Engineer-Roads/Develop	$88.85	1.75	$155.49	
DPW Director	$118.94	0.00	$0.00	
			Total	$155.49

Radiant Plastic Surgery	Wages	Hours	Total	
AECOM Bills			$0.00	
Engineer Tech	$57.86	0.00	$0.00	
Sr. Engineer Tech	$63.22	0.00	$0.00	
Civil Engineer	$63.55	0.00	$0.00	
Chief Engineer-Utilities	$91.52	0.00	$0.00	
Chief Engineer-Roads/Develop	$88.85	3.50	$310.98	
DPW Director	$118.94	0.00	$0.00	
			Total	$310.98

WVRC - Vet Emergency Clinic	Wages	Hours	Total	
AECOM Bills			$0.00	
Engineer Tech	$57.86	0.00	$0.00	
Sr. Engineer Tech	$63.22	0.00	$0.00	
Civil Engineer	$63.55	0.00	$0.00	
Chief Engineer-Utilities	$91.52	0.00	$0.00	
Chief Engineer-Roads/Develop	$88.85	27.63	$2,454.48	
DPW Director	$118.94	0.00	$0.00	
			Total	$2,454.48

Waukesha Gun Club	Wages	Hours	Total
AECOM Bills			$0.00
Engineer Tech	$57.86	0.00	$0.00
Sr. Engineer Tech	$63.22	0.00	$0.00
Civil Engineer	$63.55	0.00	$0.00
Chief Engineer-Utilities	$91.52	12.75	$1,166.88
Chief Engineer-Roads/Develop	$88.85	0.00	$0.00

DPW Director	$118.94	0.00	$0.00	
			Total	$1,166.88

	Wages	Hours	Total	
AECOM Bills			$0.00	
Engineer Tech	$57.86	0.00	$0.00	
Sr. Engineer Tech	$63.22	0.00	$0.00	
Civil Engineer	$63.55	0.00	$0.00	
Chief Engineer-Utilities	$91.52	0.00	$0.00	
Chief Engineer-Roads/Develop	$88.85	0.00	$0.00	
DPW Director	$118.94	0.00	$0.00	
			Total	$0.00

Green Road Pond Inspection	Wages	Hours	Total	
AECOM Bills			$0.00	
Engineer Tech	$57.86	0.00	$0.00	
Sr. Engineer Tech	$63.22	0.00	$0.00	
Civil Engineer	$63.55	1.50	$95.33	
Chief Engineer-Utilities	$91.52	0.00	$0.00	
Chief Engineer-Roads/Develop	$88.85	0.00	$0.00	
DPW Director	$118.94	0.00	$0.00	
			Total	$95.33

Sports Complex Pond Inspections	Wages	Hours	Total	
AECOM Bills			$0.00	
Engineer Tech	$57.86	0.00	$0.00	
Sr. Engineer Tech	$63.22	0.00	$0.00	
Civil Engineer	$63.55	0.00	$0.00	
Chief Engineer-Utilities	$91.52	4.25	$388.96	
Chief Engineer-Roads/Develop	$88.85	0.00	$0.00	
DPW Director	$118.94	0.00	$0.00	
			Total	$388.96

Rockwood Drive Pond Inspection	Wages	Hours	Total	
AECOM Bills			$0.00	
Engineer Tech	$57.86	0.00	$0.00	
Sr. Engineer Tech	$63.22	0.00	$0.00	
Civil Engineer	$63.55	2.75	$174.76	
Chief Engineer-Utilities	$91.52	0.00	$0.00	
Chief Engineer-Roads/Develop	$88.85	0.00	$0.00	
DPW Director	$118.94	0.00	$0.00	
			Total	$174.76

Wagner Park Pond Inspections	Wages	Hours	Total	
AECOM Bills			$0.00	
Engineer Tech	$57.86	2.00	$115.72	
Sr. Engineer Tech	$63.22	0.00	$0.00	
Civil Engineer	$63.55	0.00	$0.00	
Chief Engineer-Utilities	$91.52	5.75	$526.24	
Chief Engineer-Roads/Develop	$88.85	0.00	$0.00	
DPW Director	$118.94	0.00	$0.00	
			Total	$641.96

City Hall Biofiltration Device	Wages	Hours	Total	
AECOM Bills			$0.00	
Engineer Tech	$57.86	0.00	$0.00	
Sr. Engineer Tech	$63.22	0.00	$0.00	
Civil Engineer	$63.55	0.00	$0.00	
Chief Engineer-Utilities	$91.52	1.00	$91.52	
Chief Engineer-Roads/Develop	$88.85	0.00	$0.00	
DPW Director	$118.94	0.00	$0.00	
			Total	$91.52

Pewaukee DPW Facility Phase 1	Wages	Hours	Total
AECOM Bills			$0.00
Engineer Tech	$57.86	0.00	$0.00
Sr. Engineer Tech	$63.22	0.00	$0.00
Civil Engineer	$63.55	0.00	$0.00

Chief Engineer-Utilities	$91.52	20.00	$1,830.40	
Chief Engineer-Roads/Develop	$88.85	0.00	$0.00	
DPW Director	$118.94	0.00	$0.00	
			Total	$1,830.40

Pollution Prevention

	2023 Budgeted	2023 Expenditure	2024 Budgeted
Catch Basin Cleaning and Maintenance	$41,050.00	$45,842.07	$113,550.00
Storm Inlets and Catch Basins	$75,000.00	$8,395.28	$75,000.00
Street Sweeping	$25,750.00	$17,019.78	$27,750.00
Ditch and Culvert Maintenance	$2,287,391.00	$920,105.34	$975,049.00
Storm Sewer Maintenance	$960,311.00	$449,958.01	$1,118,653.00
Yard Maintenance	$10,000.00	$0.00	$10,000.00
Yard Waste Recycling	$97,497.73	$94,587.90	$116,000.00
Totals	**$3,496,999.73**	**$1,535,908.38**	**$2,436,002.00**

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 budegeted for "Storm Sewer Maintenance" include expenses from Wagner Park (420-57422-58210); expenses and budget dollars from Spice Creek/Meadowbrook Farms #3 (230-57557-58210) for storm sewer cleaning, storm sewer lining, storm sewer replacement, manhole repairs and end-section repairs; expenses and budget dollars from Valley Brook Subd. Storm Sewer (230-57354-58210); and 2023 and 2024 budget dollars for Spice Creek/Meadowbrook Farms #4 (230-57557-58210) . Ditch and culvert maintenance includes budget and costs from Hill-n-Dale Pond project (230-57301-58210), Yench Road Culvert (230-57355-58210), Apple-Pear Road Reconstruction (230-57561-58210), and budget for Shady Lane-Shady Nook Road Reconstruction (230-57333-58210) and Takoma Hills Street Reconstruction Phase 1 (230-57322-58210). Actual expenditures for "Storm Inlets and Catch Basins" include expenses from Spice Creek/Meadowbrook Farms #3 (230-57556-58210) for inlet repairs. Expenditures do not include engineering costs.

Storm Water Quality Management

Budget for Reporting Year	$410,000.00
Expenditures for Reporting Year	$223,187.40
Budget for Upcoming year	$225,000.00

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 2024.

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

INFORMATION AND EDUCATION LEDGER OF ACTIVITIES

Target --from workplan	Req #	req2	req3	Program Name	Activity	Column1	Date	Where	# People	Additional Description or Information
Teachers and Students	7			Nature Exploration	hike		1-5-23	Retzer	62	Nature Exploration program with Oconomowoc High School with water temperature investigation and discussion
General Public	7				presentation		1-23-23		739	Statewide Salt Awareness Week webinar: Freshwater Salinization Syndrome
General Public	7				presentation		1-24-23		387	SAW week webinar: Tracking Road Salt
General Public	7				presentation		1-25-23		366	SAW week webinar: Salty Drinking Water
General Public	7				presentation		1-26-23		255	SAW week webinar: DNR response to salt
General Public	7				presentation		1-27-23		224	SAW week webinar: Be A Salt Champion
Teachers and Students				Glacial landscape	hike		1-27-23	Retzer	45	glacial program including soil formation and importance of organic matter for infiltration
Teachers and Students	1	3	5	career	presentation		1-27-23	Retzer	40	career day with Wales Elementary
General Public	1	3	5		displays and handouts		2-21-23	Waukesha	1261	display at Town of Waukesha primary elections covering yard waste management
General Public	1				displays and handouts		2-28-23	Waukesha	50	storm drain delivers to lakes and rivers message at United Way mini golf event for Waukesha County
General Public	1				presentation		3-1-23	Retzer	12	water cycle hike to learn about water moving through the environment
Teachers and Students	5				presentation		3-3-23	Retzer	155	recycling program covering composting and improving water capture with compost
Teachers and Students	1	3	5	I Live in	presentation		3-6-23	Pewaukee	7	after school environmental club learned about water pollution and how they can prevent it
General Public	1	5			presentation		3-6-23	Retzer	12	training for Retzer volunteers to teach some talking points about water--talked about runoff, groundwater, storm drains and more
Teachers and Students	1	3	5	career	presentation		3-8-23	New Berlin	104	Career day for Ronald Reagan Elementary School
General Public	3				social media		3-15-23		2689	social media post about naturalizing the yard at Retzer--leaving dandelions and violets for pollinators and seeding clover to feed the grass
General Public	1				press release		3-22-23			press release about Adopt a Drain for World Water Day
Teachers and Students	1	3	5	career	presentation		3-24-23	New Berlin	92	career day for Orchard Lane Elementary
General public	9				volunteer appreciation		4-1-23	Retzer	25	appreciation event for Volunteer Stream Monitoring
Teachers and Students	5			rain gardens	presentation		4-4-23	Waukesha	60	rain garden program for 2 classes at Montessori school in Waukesha
General Public	1	2	3		displays and handouts		4-4-23	Waukesha	1905	display for Town of Waukesha spring elections
General Public	1				displays and handouts		4-4-23	Brookfield	1072	storm drain display for Town of Brookfield spring elections
Teachers and Students	1	2	3	I Live in	presentation		4-6-23	Genesee	32	water program for Magee Elementary Science Day
Teachers and students	3	5		Healthy Soils	presentation		4-6-23	Genesee	34	soils program for Magee Elementary Science Day
General Public	2	3	5	Sustainable Yardenir	presentation		4-11-23	Waukesha	55	presentation for Waukesha Public Library
Contractors, Dev & Consul				stormwater wkshop	presentation		4-12-23		135	
Contractors, Dev & Consul				stormwater wkshop	presentation		4-13-23		155	
General Public	1				presentation		4-17-23	Retzer	13	talked about runoff pollution with girl scouts
General Public	2	3	5	rain gardens and bar	presentation		4-18-23	Oconomowoc	4	Rain gardens and Rain Barrel program at Oconomowoc Library
General Public	2	3	5		presentation		4-18-23		15	watershed model for girl scouts working on Wonders of Water badge
Teachers and Students	5			glacial landscape	presentation		4-20-23	Retzer	140	cover soils and infiltration
General Public	1	2	3		displays and handouts		4-20-23	Oconomowoc	120	used watershed model at Parklawn Elementary Stem Night with parents and students
Teachers and Students	1	2	3	career	presentation		4-21-23	Mukwonago	45	used watershed model at Park View Middle School
General Public	1	2	3		displays and handouts		4-22-23	Retzer	163	used watershed model for outreach at Retzer Earth Day celebration
General Publiic	1	2	3		presentation		4-22-23	Elm Grove	32	watershed model for earth day celebration in Elm Grove
General Public	2	3	5	rain gardens	presentation		4-25-23	Pewaukee	62	Rain Garden design and installation class for Pewaukee Library in conjunction with Pewaukee Green Team
Teachers and Students	3	5		Healthy Soils	presentation		4-28-23	Retzer	52	Healthy Soils program for Cushing Elementary 2nd grade
General Public	6				meeting		5-4-23	Muskego	1	met with Homeowners Association to discuss pond maintenance
General Public	1	2	3	WAV training	training		5-6-23	Genesee	10	Water Action Volunteers training day
Teachers and Students	5			composting	presentation		5-10-23	Retzer	60	composting as part of recycling program
Teachers and Students	1	2	3	pond	presentation		5-10-23	Retzer	77	watershed model with Pond program
General Public	9				benchmark		5-11-23	Oconomowoc	2	benchmark on Oconomowoc River at Highway K
Teachers and Students	1	2	3	water resources	presentation		5-12-23	Pewaukee	200	presentation to 5th grade before trip to camp
General Public	9				benchmark		5-16-23	Pewaukee	2	benchmark visit for Pewaukee River at old SH164
General Public	1	5			presentation		5-17-23	Retzer	19	Secrets of Stream Life program for Outdoor Classroom at Retzer
Teachers and Students	1	2		pond	presentation		5-17-23	Retzer	64	watershed model with pond program
General Public	9				benchmark		5-19-23	Bark River	4	benchmark visit for Bark River at Hwy 67
General Public	9				benchmark		5-20-23	Vernon	2	benchmark visit for Mill Brook
Teachers and Students	3	5		healthy soils	presentation		5-22-23	Retzer	60	healthy soils program for Eagleville Elementary
General Public	9				benchmark		5-22-23	Pewaukee	9	site visit for Coco Creek with Pewaukee Women's Club
General Public	9				benchmark		5-22-23	Oconomowoc	2	benchmark for Oconomowoc River at Concord Rd
Teachers and Students	1	2	3	lake study	presentation		5-25-23	Camp Whitcomb	130	Lake study program for Pewaukee 5th graders
Teachers and Students	1	2	3	lake study	presentation		5-26-23	Camp Whitcomb	130	Lake study program for Pewaukee 5th graders
Teachers and Students	1			pond	presentation		5-26-23	Retzer	110	watershed model with pond program for Merton Elementary
Teachers and Students	1			stream study	presentation		6-2-23	Eagleville	28	biotic index on Jericho Creek with Eagleville Elementary
Teachers and Students	1	2	3	stream study	presentation		6-5-23	Prairie Springs	60	stream study with pollution discussion with Saratoga Stem Middle School
General Public	1	2	3	pond	presentation		6-7-23	Retzer	15	watershed model with pond program
Teachers and Students	1			pond	presentation		6-9-23	Retzer	42	watershed model with pond program for homeschool group
Teachers and Students	1	2	3	stream study	presentation		6-13-23	Eagleville	150	stream study with pollution discussion with Eagleville Elementary Summer School program
General Public	9				benchmark		6-13-23	Merton	2	benchmark monitoring for Bark River at Dorn Road
General Public	1	3	5	Environmental Scien	presentation		6-15-23	Retzer	20	soil and water portions of Environmental Science Merit Badge
General Public	7			Sustainable Busines	Presentation		6-20-23	Retzer	32	Sustainable Business program covering salt use and winter maintenance as well as green infrastructure management
General Public	1	2	3		displays and handouts		6-24-23	Pewaukee	100	watershed model at Clean Water Festival
General Public	5	8			displays and handouts		6-24-23	Pewaukee	100	native plant roots display and rain garden information at Clean water Festival
General Public	1	5			displays and handouts		6-24-23	Pewaukee	100	impervious surfaces display and fishing activity for Clean Water Festival
General Public	9				benchmark		6-29-23	Merton	2	Benchmark for Bark River at Dorn Rd
General Public	1	3			displays and handouts		7-14-23	Wales	300	unstaffed display for beer garden event
Teachers and Students	1	2	3		presentation		7-14-23	Retzer	30	used watershed model as part of the pond program
General Public	1	2	3	I Live in a	presentation		7-20-23	Delafield	40	program for Kettle Moraine Garden Club

General Public	1				displays and handouts	7-21-23	Pewaukee	50	outreach at Touch a Truck event at Pewaukee Library
General Public	1	2	3		presentation	7-21-23	Retzer	20	training for Master Naturalist program covering groundwater, water pollution, stream monitoring
General Public	9				training	7-25-23	Prairie Springs	8	training for habitat assessment in WAV
General Public	1				displays and handouts	7-26-23	Hartland	400	outreach at Hartland Kids Fest
General Public	9				field work	7-27-23	Mukwonago	10	Asian Clam survey on Mukwonago River
General Public	1				displays and handouts	8-1-23	Mukwonago	200	storm drain display at National Night out event
General Public	1	3			displays and handouts	8-1-23	Merton	200	display for National Night out event
General Public	1				displays and handouts	8-2-23	Sussex	200	storm drain display at National Night out event
General Public	1				displays and handouts	8-8-23	Oconomowoc	500	departmental outreach at Kids Fest event
General Public	1	2	3		presentation	8-9-23	Retzer	6	Sustainable Yardening presentation
General Public	1	2	3		displays and handouts	8-9-23	Retzer	30	stormwater activities including rain gardens, impervious surfaces, water monitoring, watershed model and more
General Public	9				field work	8-10-23	Hartland	4	Asian Clam survey on Bark River at Nixon Park
General Public	1	3			displays and handouts	8-12-23	Wales	200	unstaffed display for beer garden event
General Public	9				field work	8-19-23	Mukwonago	9	Snapshot Day search for invasive species
Teachers and Students	1				presentation	8-22-23	Retzer	80	program with aquatic inverts
General Public	5				presentation	8-22-23			appearance on Fox 6 to promote rain gardens and Sustainability Fair
General Public	5				presentation	8-26-23	Retzer	7	demonstration on rain gardens at Sustainsbility Fair
General Public	1	2	3		presentation	8-26-23	Retzer	9	Sustainable Yardening program at Sustainability Fair
Teachers and Students	6	8		Sustainable Bldg	presentation	29-23	WCTC	13	Virtual program for WCTC Sustainable Building Class
Genereral Public	2	3			presentation	9-6-23	The Moring Blend		Appearance on the Morning Blend on WTMJ covering storm draiins and keeping them clean
General Public	1	3			displays and handouts	9-8-23	Wales	40	unstaffed display for beer garden event
Teachers and Students	3	5		Healthy Soils	presentation	9-11-23	Waukesha	46	Hillcrest Elementary Healthy Soils–two classes
Teachers and Studens	3	5		Healthy Soils	presentation	9-12-23	Waukesha	54	Prairie Elementary - two classes
Teachers and Students	3	5		Healthy Soils	presentation	9-13-23	Waukesha	108	healthy soils program for 4 classes at Rose Glen Elementary
Teachers and Students	1	7			field work	9-14-23	Brookfield	25	stream monitoring with 7th grade from St. Mary's, Elm Grove
General Public	1	2	3	I Live in a	presentation	9-14-23	Brookfield	9	program using watershed model for Elmbrook Library
General Public	1	2	3		displays and handouts	9-15 to 17	North Prairie	500	display at Fall Festival event
General Public	9				field work	9-18-23	Pewaukee	8	Met with Pewaukee Ladies Club for fall monitoring
Teachers and Students	3	5		Healthy Soils	presentation	9-20-23	Waukesha	20	Waukesha STEM at the old Whittier campus
General Public	5				displays and handouts	9-23-23	Retzer	1800	impervious surfaces display and fishing activity for Apple Harvest Fest
Businesses	7					9-26-23	Muskego	6	met with Badger Color Concentrates to review stormwater plan
Teachers and Students	1	2	3		presentation	10-23	Waukesha	614	worked with Waukesha School district to have watershed model used with all 5th grade programs
Teachers and Students	1			Water Journey	presentation	10-2-23	Retzer	10	Incredible Water Journey with class from Hamilton High School
Teachers and Students	1	2	3	I Live in a	presentation	10-5-23	Waukesha	60	3 classes of 5th graders at Hadfield Elementary talking about runoff pollution with watershed model
Teachers and Students	1	2	3	I Live in a	presentation	10-9-23	Waukesha	24	watershed program with model at Saratoga STEM academy
Teachers and Students	1	2	3		field experience	10-10-23	Eagleville	37	water testing on Jericho Creek with Eagleville Elementary
Teachers and Students	1	2	3	career	presentation	10-12-23	Pewaukee	42	watershed model at career day at Pewaukee High School
Teachers and Students	1	2	3	I Live in a	presentation	10-20-23	Retzer	80	Watershed program for 3rd grade from Clarendon Ave Elementary from Mukwonago
Teachers and Students	6	8		Sustainable Bldg	presentation	11-1-23	WCTC	25	Virtual program for WCTC Sustainable Building Class
Contractors, Dev & Consu	7				workshop	11-2-23	Retzer	38	Saltwise training for parking lots and sidewalks
General Public					displays and handouts	11-4-23	Retzer	200	hands on activity table covering salt use at Science Fest
General Public	1	2	3		presentation	11-4-23	Retzer	64	presentation with the watershed model at Science Fest
General Public	7			horse mgmt	presentation	11-16-23	Waukesha	21	horse management workshop to cover manure storage and spreading
Teachers and Students	1	5			water testing	11-28-23	Sussex	52	water testing for Sussex Hamilton AP students
General Public	2	3	6		displays and handouts	12-5-23	Merton	300	display at annual tree lighting and community center open house
Teachers and Students	1	2	3	career	presentation	12-11-23	Wales	64	career day at Kettle Moraine High school
General Public	2	3	6		displays and handouts	12-6-23	Pewaukee	300	display at City of Pewaukee through the end of the year during tax payment season

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 EPAs 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 5th 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

Attachment F

Department of Public Works Newsletters and Grass Clippings Flier

CITY OF PEWAUKEE

Department of PUBLIC WORKS

2023 Spring/Summer

Identifying the Difference Between Utility Covers

From time to time, while out walking the dog or riding your bike, for example, you may notice a utility ground opening in the grass or the street with a missing cover. While all types of covers are important to replace, they each have a different urgency with respect to repairs or replacement. For instance, manhole covers provide an important safety function by preventing anything or anyone from falling into the storm or sanitary sewer manhole and require immediate attention.

If you come across any type of missing utility cover, it is important that you call the City's Department of Public Works office and report it as soon as possible. Below are photos to assist you in identifying the different types of covers. By providing the correct name of the missing cover, you will help us in prioritizing our safety response and the appropriate replacement parts needed.

Curb Stop Box is usually located outside in the front yard on the border between public and private property (front lawn or driveway). This provides access to shut the water off to a home or business in case of an emergency.

Valve Box provides access to valves which control the flow of water in the large water services to a building from the water main and within branches of the City's water mains. Often times they follow along or under the roadway.

Manhole is an opening in a street or right-of-way that allows utility workers access to underground sewer. The manhole covers can be used in conjunction with sanitary sewers or storm sewers, and often times "SEWER" is stamped directly on the cover.

Catch Basin/Storm Drain is installed in a curb to receive and direct the flow of storm water into City sewer mains. A clogged catch basin or missing or damaged grate can lead to flooding and property damage.

PUBLIC WORKS DEPARTMENT

W240N3065 Pewaukee Road
Pewaukee, WI 53072
Office: (262) 691-0804
Email: *publicworks@pewaukee.wi.us*
Regular Hours: Monday-Friday
8:00 am to 4:30 pm
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

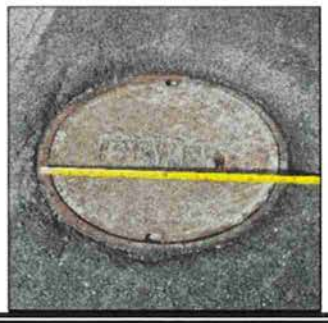
RECYCLING CENTER

Open Year Round
Saturdays: 9:00 am to 3:00 pm
Open April thru November
Wednesdays: 1:00 to 6:00 pm
City Recycling Permit Required

Curb Stop Box Cover (4")

Valve Box Cover (7")

Manhole Cover (24")



Catch Basin/Storm Drain

City Lawn Watering Policy

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

2023 PUBLIC WORKS PROJECTS

City Road & Bridge Projects

Duplainville Road and Trail & Duplainville Road Bridge: Restoration and bridge match point "bump" repair will be completed in Summer 2023.

Joseph Road: Project canceled due to groundwater contamination. Project will be rebid for 2024.

Meadowbrook Farms Phase 3: Construction will begin in May 2023. We appreciate your patience and understanding in advance.

Shady Lane and Shady Nook: Project was rejected for 2023.

Hill n Dale Pond: Construction is anticipated to begin in June 2023.

Busse Road Bridge Replacement: Project was delayed to allow time to apply for additional federal funding.

Takoma Hills Subdivision Road Project: Project is under design with construction anticipated in 2024.

Highlands Subdivision Road Project: Construction will begin in July 2023.

Storm Water Utility Projects

Springdale Estates Drainage Easement: Design of Phase 1 is underway. Once this is complete, a public information meeting will be held. Construction is targeted for 2024.

Wagner Park Pond Dredging: Final design is underway. Construction is anticipated for Fall 2023.

Yench Road Culvert Replacements: Final design is underway. Construction is anticipated in late Fall 2023.

Water & Sewer Utility Projects

Gun Club Lift Station: Plans to upgrade this lift station are in design. Construction is anticipated in 2024.

Bluemound Water Main Loop: This design will loop the southern portion of our water system to allow for Well #5 to be abandoned. Construction is anticipated in late 2023 and early 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.*

Quiet Zones

The City is currently completing quiet zones studies for the railroad crossings at Weyer Road, Springdale Road, Duplainville Road, and Green Road. The studies require updated traffic counts for these roadways which are being completed now.

Once the studies are complete, the City will be applying for a quiet zone. The analysis by the railroad is a lengthy process which will likely take a year or longer to complete. For those interested,

please be patient as we work through this process with the railroad, and state and federal agencies.

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.

Dig Safe!

When anyone digs in Wisconsin, whether planting a tree or building a house, there is a high probability that underground utilities exist within the dig site area. Hitting an underground utility line does more than disrupt service; it risks the safety of the person digging and the public. Homeowners should request a utility locate for any project that requires digging.

Before tackling your long list of outdoor projects, (e.g., new patio, fence, garden, shrubs or trees), be sure to call Digger's Hotline by dialing **8-1-1**, or file online at *DiggersHotline.com*. Notify Digger's Hotline at least three business days before work begins. Utilities will be marked by the appropriate utility. Do not dig closer than 18" of the marks.

Safe Walking Practices

Walking is a healthy activity, but you need to know the rules of thumb of pedestrian safety. This is especially true if you are walking in an area of the City where there aren't sidewalks or paths separated from the road. If you choose to walk in the road, you should observe traffic safety rules as well as guidelines that will help you stay safe when walking in public areas.

1. Always walk facing traffic. Walking opposite traffic gives you the best chance to see vehicles approaching and allow for evasive action when needed. When cars approach, walk in a single file line if you are walking with others.
2. Cross safely. Look both ways and stay aware of your surroundings whenever you cross the street. Make eye contact with any drivers who may be turning. It can be tempting to simply jaywalk, but that is a safety hazard and can result in a ticket.
3. Be visible. Wear bright colors when walking in the daytime. When walking at night, wear light-colored and reflective clothing or a vest to be visible to drivers. Make sure your pets are visible as well.
4. Keep the volume down. Don't drown out your environment when listening to music with your earbuds or headphones.
5. Hang up and eyes up. Distracted walking due to chatting, texting, or playing games on a mobile device while you walk is as dangerous as doing those things while driving. Put your phone in your pocket or stop at a safe place to take a call.
6. Be aware of stranger danger. Street safety is a concern for many walkers. Choose a walking route frequented by other walkers, joggers, and bikers. Being alert and aware can dissuade dangerous people from making you a target.

Enjoy the summer and walk safe! *(It should be noted that we **do not recommend walking in the roadway**.)*

Arbor Day

Arbor Day was on April 28, 2023 this year. Although the official day has passed, you can still honor the day by planting a tree. Trees capture carbon emissions, protect biodiversity, improve our health, and provide habitat and shade.

Six things you should know when planting a tree.

1. **Call Before You Dig** - Several days before planting, call the national 811 hotline to have underground utilities located.

2. **Handle with Care** - Always lift tree by the root ball. Keep roots moist until planting.

3. **Digging a Proper Hole** - Dig 2 to 5 times wider than the diameter of the root ball with sloping sides to allow for proper root growth.

4. **Planting Depth** - The trunk flare should sit slightly above ground level and the top-most roots should be buried 1 to 2 inches.

5. **Filling the Hole** - Backfill with native soil unless it's all clay. Tamp in soil gently to fill large air spaces.

6. **Mulch** - Allow 1 to 2 inch clearance between the trunk and the mulch. Mulch should be 2 to 3 inches deep.

For more tree-planting tips and information, visit **arborday.org**.

Source: Arbor Day Foundation

90075201

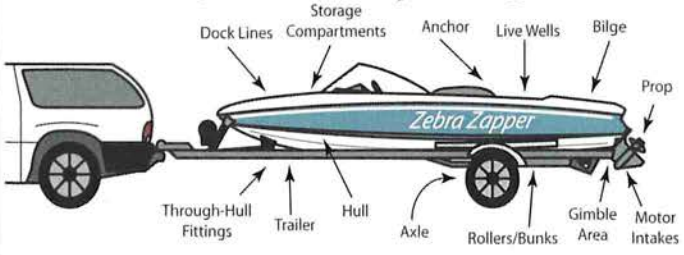
Clean Boats, Clean Water (CBCW)

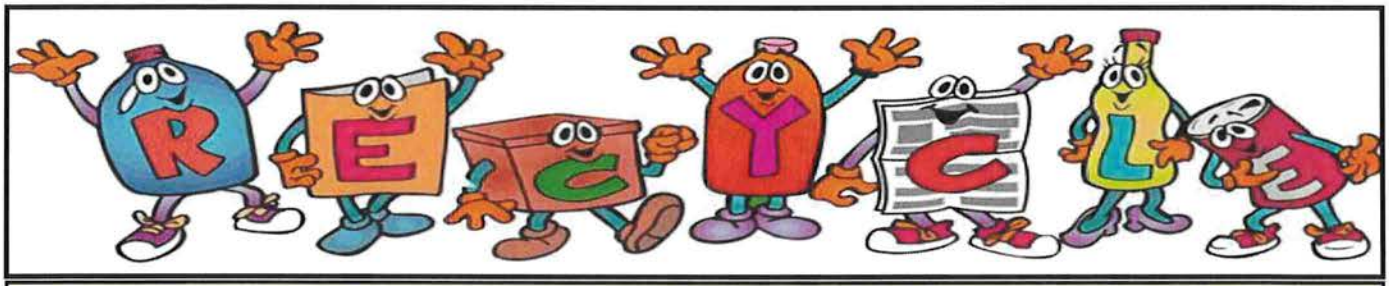
With the growing concern of the spread of aquatic invasive species such as zebra mussels, Eurasian watermilfoil, and fish diseases to Wisconsin inland lakes, boaters need to be diligent in checking for any species that may be attached to their boats or trailers. Visit the DNR website at dnr.wi.gov/lakes/invasives for more information.

If you want to help further, Waukesha County offers free training for Aquatic Invasive Species Inspector volunteers. Visit *www.waukeshacounty.gov/AIS* for more information.

Before leaving and before launching...

inspect everything!





City Recycling Center Spring/Summer Schedule

Located behind City Hall, the City of Pewaukee's Recycling Center is now open on Wednesdays from 1:00 p.m. to 6:00 p.m. as well as Saturdays from 9:00 a.m. to 3:00 p.m. (except on holidays). **City 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. For more information and a list of acceptable items allowed, please visit our website at *www.cityofpewaukee.us* and search *Garbage and Recycling*.

Don't Let Your Summer Fun Flame Out

Summer is coming and we are all looking forward to the picnic and grilling season. Did you know many picnic materials are not recyclable?

Propane tanks have the potential to cause explosions and fires, making them a huge risk when placed in your curbside recycling or trash bin. Help us keep recycling and hauling staff safe by recycling right and keeping propane tanks out of the recycling bin. Sites that accept propane tanks for disposal can be found here: www.waukeshacounty.gov/propane.

In addition to propane tanks - plastic cups, paper plates, napkins and towels, and disposable dishware are NOT recyclable and belong in the trash! Many of these items are too small for sorting equipment, contain the wrong materials to recycle, or have remnants of food waste on them which can contaminate other clean recyclables! For more information on what is accepted in your curbside recycling bin, please visit: *www.waukeshacounty.gov/CurbsideRecycling*.

Stop the Scrap!

Scrap metal cannot be placed in your curbside recycling bin. This type of material puts recycling facility workers and hauling staff at risk of harm. Additionally, it could cause significant damage, including fire, to valuable recycling facility sorting equipment. Items that don't belong in the cart are costly to dispose of and can impact the quality and value of other, acceptable recyclable materials. A good rule of thumb is **"when in doubt, throw it out (in the trash)"**. This will ensure recycling and hauling staff stay safe at work, eliminate costly repairs, and ensure high quality recycling of acceptable materials.

Most scrap metal can be brought to the City Recycling Center and placed in the scrap metal bin. Do not put scrap metal in the recycling dumpster.

Please check the recycling guide and many other disposal options at *www.waukeshacounty.gov/productdisposal* before placing anything in your recycling cart.

Gardening and Recycling

While we all know that it's important to recycle your garden materials, there are some plastics that cannot go into the recycle bin. Do not put plastic trays like those shown here in your curbside recycling bins—and do not put them in your huge pile of yard waste.

So where the heck do they go? Those plastic containers and planting trays can go back to your local garden store or nursery. Or, hop on YouTube and check out the fun and ingenious ways you can reuse your empty plastic plant containers.

How to Dispose of Paint

It is important to dispose of paint properly. Not all paint types are disposed of the same way.

For Latex Paint: Let them dry out or use a "waste paint hardener" which can be found at most hardware stores. Once the paint is dry, then throw it in the trash. Or, donate left over or unwanted paint to local schools or drama clubs, or give it away on a Buy, Sell, Trade group.

For Oil-Based Paint: Oil-based paints, stains, and lacquers can be dropped off at Household Hazardous Waste collection sites. Some home improvement stores will also take these items.

2023 Waukesha County Household Hazardous Waste Disposal Schedule

Spring cleaning season has arrived, and Waukesha County Parks & Land Use reminds residents to visit Household Hazardous Waste (HHW) Collection sites to safely dispose of chemicals and dangerous materials. Waukesha County has three free sites and four one-time collection events for residents.

HHW **ongoing collection sites** are free to Waukesha County residents with proof of residency. View schedules at *www.WaukeshaCounty.gov/HazardousWaste*.

- **Menomonee Falls:** Veolia Environmental Services, W124N9451 Boundary Road
- **Muskego:** North of Emerald Park Landfill, W124S10391 South 124 Street
- **Waukesha:** **NEW LOCATION** 1500 N University Dr. (near the water tower)

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

- **Mukwonago** May 20: Village Public Works Garage, 630 Hwy NN
- **Brookfield** June 3: City Public Works Yard, 19700 Riverview Dr.
- **Delafield** June 17: City Dept. of Public Works, 111 Main St.
- **Oconomowoc** September 9: City Public Works Garage, 630 S. Worthington St.

Old, unusable chemicals, pesticides, wood preservatives, solvents, oil-based paints, and mercury-containing products are accepted. Not accepted are latex paint, non-hazardous cleaning materials, motor oil, and oil filters.

No Grass Clippings in Streets

The City of Pewaukee prohibits blowing grass clippings into the street, trails, or sidewalk. If grass clippings are placed on these areas, they can:

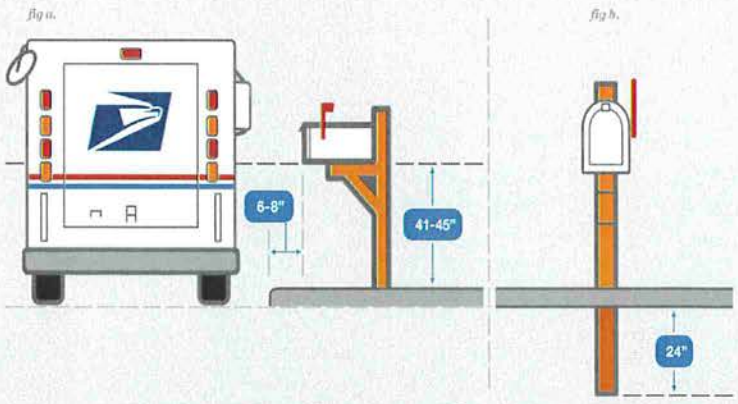
1. Create an unsafe passage on the public right of way. Grass clippings can make the road slippery, especially for motorcyclists, which can cause an accident.
2. Blowing clippings towards the road can launch a rock or wood debris into the road and cause damage or injury to vehicles or people passing by.
3. If left in the roadway, storm water can pick up the clippings, including any fertilizers or chemicals placed on the lawn to waterways. The clippings eventually turn into excessive nutrients combined with the chemicals put on the lawn which feed algae in those ponds, streams, and lakes. This can turn waterways into a green and blue algae bloom which causes fish kills and putrid smelling water.
4. Clippings can contribute to clogging of storm drains and storm sewers which may cause flooding of streets.

So what can you do with those grass clippings? You can use them as a fertilizer, compost, mulch, or drop them off at the recycling center. Please **do not use plastic bags** when recycling your clippings or yard waste! Instead, use the paper yard waste bags available at most home stores to transport your yard waste. The city is part of a program to take the yard waste and grass clippings dropped off at the recycling center to a composter. Plasti bags in our load will result in rejection of those loads. John's Disposal will also pick up yard waste that has a sticker attached. Stickers can be purchased at City Hall during normal business hours. You must call John's Disposal to schedule this pickup at (262) 473-4700.

Mailbox Maintenance Time

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.

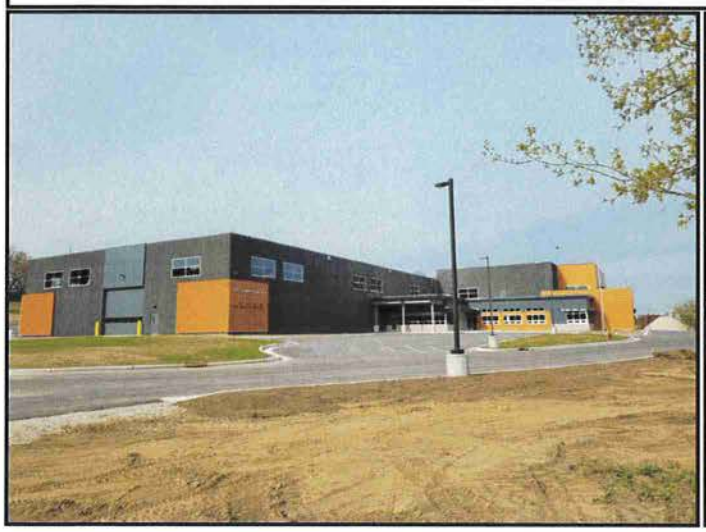
Summer is the perfect time to get this work done. Remember, the mailbox must be approximately 3'6" above ground grade. Additionally, guidelines such as post installation, mailbox size, etc. are available on the USPS website: *https://www.usps.com/manage/mailboxes.htm*.



Department of Public Works New Highway Garage

The City of Pewaukee Highway Division provides routine maintenance and repair of all public pavements and surface infrastructure within the street right-of-way. The Highway Division is responsible for snow and ice control, equipment maintenance, street sweeping, pothole filling, storm drainage, street lighting, sign maintenance, and brush and tree maintenance within the city right-of-way, as well as a whole list of other duties.

City Highway staff are in the process of moving into the new Department of Public Works garage (see photos below) located on the corner of Duplainville Road and Green Road. The new salt shed, fueling island, and recycling yard are currently under construction. The existing Recycling Center will remain at City Hall until further notice.



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

CITY OF PEWAUKEE

DEPARTMENT OF PUBLIC WORKS
W240N3065 PEWAUKEE ROAD
PEWAUKEE, WI 53072

CITY OF PEWAUKEE

Department of PUBLIC WORKS

2023 Fall/Winter

What to Do with All Those Leaves

With the changing of seasons those beautiful leaves are falling fast. Not only can those piles of leaves be an eyesore, they can actually be damaging to city infrastructure. Storm drains, sewer systems and bike lanes can get clogged up, sometimes leading to flooding on the roadways.

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. Below are a few important reasons why.

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

It's harmful to the 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 water-bodies. 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.

Most importantly, it's against City Ordinance to rake or blow leaves and grass clippings from your property into City streets.

Then what should I do with my leaves? Mow and then leave the grass clippings and leaves on the lawn, use them as mulch, try composting them in your backyard, or collect grass clippings and leaves and bring them to the City Recycling Center located behind City Hall (during Recycling Center hours of operation, permit required).

Consider adopting a storm drain and keep it clear of leaves and debris. For more information visit *https://www.waukeshacounty.gov/adoptadrain* or call (262) 896-8300.

Inspect 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. Grab it and give it a good shake. If it wiggles at all, that's a good indication that it needs some maintenance. 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.**

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 Division
Jane Mueller, Utility Manager

RECYCLING CENTER

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

OTHER CONTACT NUMBERS

Billing City Water/Sewer	(262) 691-0804
County Road Issues	(262) 548-7736
Dead Deer on City Road	(262) 691-0804
Dead Deer-County Road	(262) 548-7736
Hydrant Water Use	(262) 691-0804
Johns Disposal	(262) 473-4700
Spills or Illicit Discharge	(800) 943-0003
Storm Drainage Issues	(262) 691-0804

2023-24 PUBLIC WORKS PROJECT UPDATES

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

City Road & Bridge Projects

- **Busse Road Bridge Replacement:** The project is under design with construction over the Pewaukee River anticipated in the late summer of 2024.
- **Duplainville Road and Trail:** Restoration and miscellaneous repairs continue.
- **Ridgeview Corporate Phase 1:** The project is under design with construction along Corporate Court and Westwood Drive anticipated in 2024.
- **The Highlands Subdivision Road Project:** Paving and miscellaneous touch-ups will begin in the coming weeks.
- **Joseph Road:** A Public Hearing will be held on October 16th to determine whether to move forward with the project.
- **Meadowbrook Farms Phase 3:** Reconstruction of the speed humps will begin in the coming days.
- **Meadowbrook Farms Phase 4:** The project is under design with construction along Fieldhack Drive anticipated in 2024.
- **Shady Lane and Shady Nook:** The project will be rebid later this year with construction of the road and drainage improvements anticipated in 2024.
- **Takoma Hill Subdivision Road Project:** The project is under design with construction anticipated in 2024. The City of Waukesha will also complete a utility project within the area.

Storm Water Utility Projects

- **Hill N Dale Pond:** Restoration and miscellaneous touch-ups will continue for the coming weeks.
- **Springdale Estates Drainage Easement:** Design of Phase 1 is underway. Construction is targeted for 2024.
- **Valley Brook:** Construction will continue into November 2023.
- **Wagner Park Pond Dredging:** Construction will begin in the coming weeks and will continue into December 2023.
- **Yench Road Culvert Replacements:** Construction over Coco Creek will begin in the coming weeks and will continue into December 2023.

Water & Sewer Utility Projects

- **Bluemound Water Main Loop:** The project is under design with construction anticipated in May 2024 and continues through 2025.
- **Gun Club Lift Station:** Construction is anticipated to begin in December 2023 and continue through 2025.

City Hall will be closed for the holidays on December 25, 26, at noon on Dec 29th, and January 1st

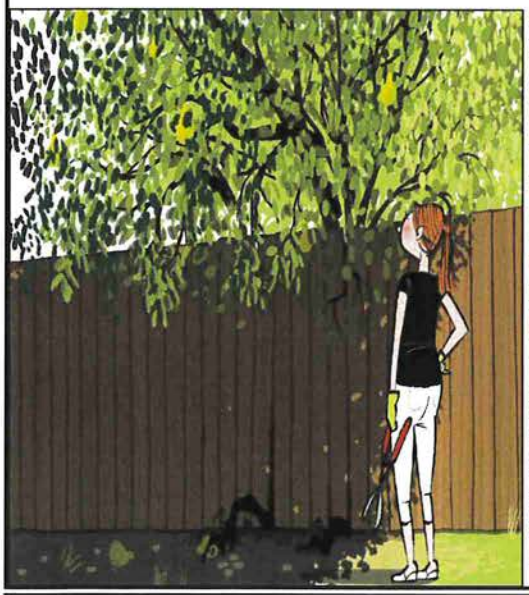
Weekly Recycling Pick-Up Starts in 2024

Effective January 1, 2024, Johns Disposal will begin weekly recycling pick-up. This is a change from the current every-other week recycling collection. Residents will place both garbage and recycling carts out for pick-up on the same day each week as listed on a schedule provided by Johns Disposal. Watch for additional information on the City website at *www.cityofpewaukee.us* as we get closer to January.

Tree Trimming Etiquette

The Streets and Forestry Department is reminding property owners to trim or remove tree branches or bushes from the city right-of-way, private property and boulevard areas to avoid creating safety hazards by obstructing traffic signs at intersections and other areas in the city.

Property owners can be cited for failure to remove obstructions. It is a safety issue. In some instances, a driver approaches an intersection and they cannot see the stop sign, yield sign, school zone sign or other important traffic signs due to overhanging tree limbs laden with leaves, or bushes with overgrowth obstructing the view of the sign. We want to remind homeowners that it is their responsibility to keep trees and bushes located on private property trimmed so there is no obstruction to signage for oncoming traffic.



Also, Wisconsin recognizes the common law right of self-help to cut encroaching branches at the property line. Even though a tree may be planted by your neighbors well within their property lines, over time as the tree grows, the branches can extend beyond the property line into your yard. If limbs or branches from your neighbor's tree extend into your property line, you are legally allowed to trim the areas hanging over your property. When trimming them, however, you must stay on your own property. This means you may not go into your neighbor's yard for a better angle when cutting the tree. Please use extreme caution when trimming trees and be sure to stay aware of your surroundings. Make sure you clean up the branches and brush when you're done.

Protect Your Home's Water Pipes

With cold weather quickly approaching, it is important for home and business owners to act now to protect their water pipes from freezing or bursting. Below are ways to help protect your pipes this winter:

- Double-check outdoor hose bibs to make sure all hoses are disconnected and faucets are turned off and drained. Outdoor spigot covers can purchased to help prevent water in the faucet from freezing.
- Make sure your basement is properly insulated, and check areas where cold air may be rushing in.
- Insulate pipes in unheated areas like crawl spaces, unheated garages, and attics.
- Leave some heat on in unused areas of your home.
- If you leave home for a few days, keep your thermostat on at least 55 degrees and open any cabinets where sink plumbing is against an outside wall.
- Never try to thaw a frozen pipe with an open flame.
- Ensure your furnace vents are clear of snow and ice. A clogged furnace vent can cause a backup of toxic carbon monoxide in your home.
- Find the master shut-off valve that turns off the water to your entire home—it's usually in the basement—and make sure everyone in your home knows where it is in case a pipe does freeze and burst.

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

Recycling Center Fall/Winter Schedule Begins

The City of Pewaukee Recycling Center will be **closed on Wednesdays as of December 6, 2023** for the winter season. The Recycling Center remains open on Saturdays from 9:00 a.m. to 3:00 p.m. year-round, 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 City Hall during regular business hours. For more information, or a list of acceptable items allowed in the Recycling Center, please visit our website at *www.cityofpewaukee.us* and search Garbage and Recycling.

Reminder: 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.

Correct Garbage & Recycling Cart Placement

Garbage and recycling carts should be placed at the end of your driveway, six feet from cars, trees or other obstructions with cart lids open towards the street. No materials shall be placed on top of the carts. Carts should be put out no earlier than 24 hours before regular collection time and returned as soon as possible, but no later than 24 hours after collection. ***PLEASE DO NOT PLACE YOUR CARTS IN THE ROADWAY!***

Putting your garbage in trash bags rather than loose in your cart helps prevent litter, avoids attracting wildlife, and keeps our neighborhoods clean.

Do **NOT** place these items in your garbage cart for collection:

- Recyclables
- Leaves
- Grass clippings
- Branches and brush
- Appliances
- Electronics
- Hazardous waste
- Automotive items, tires

Recyclables should be kept loose in the cart—please do not put them in plastic bags. Recycling is required by State law and City Ordinance.

Proper Disposal of Used Batteries

Batteries used in many household and office products contain a variety of heavy metals and other materials that can be harmful to human health and the environment if not disposed of properly.

Lithium and Lithium-ion batteries pose a fire risk when disposed of improperly. They contain toxic chemicals that can leach into the soil and contaminate the ground. When disposing, place each individual battery in a separate clear plastic bag.

The batteries listed below MUST be properly disposed of as **hazardous waste**:

- Lithium and lithium-ion batteries
- Button batteries
- Rechargeable nickel-cadmium batteries
- Nickel-metal hydride batteries
- Sealed lead-acid batteries
- Mercury oxide batteries

Single-use alkaline batteries have little recycling value and may be safely thrown in the trash. For more information, visit *https://dnr.wisconsin.gov* and search "Household Battery Recycling".

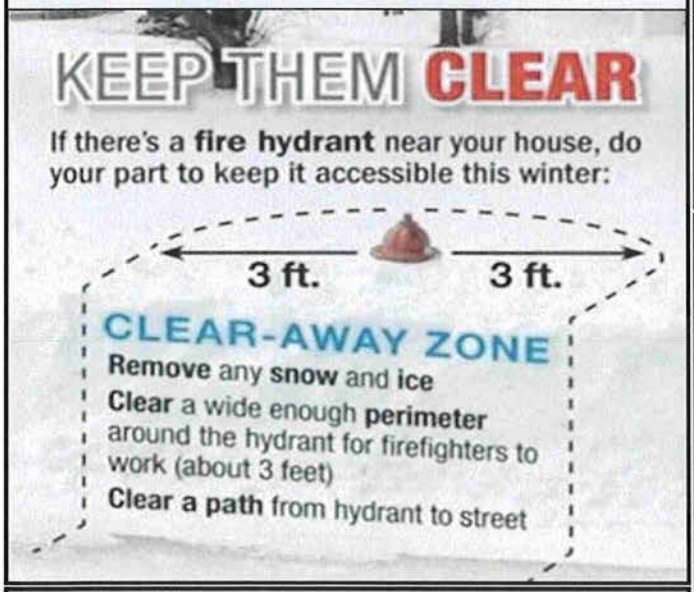
Rock salt becomes ineffective at melting ice and snow when the temperature falls below 15 degrees.

Help Keep Fire Hydrants Clear of Snow

If you have a fire hydrant in your front yard, please help by keeping it clearly visible from the road. Firefighters lose valuable time trying to locate a hydrant buried in snow when they arrive at a fire. You are performing a valuable public service and protecting yourself, your family and your neighbors by taking on the responsibility of shoveling out and clearing the fire hydrant near your home. With plenty of snow on the way, we would like to offer these suggestions:

* Know the location of the nearest fire hydrants.
* Make sure hydrants are shoveled after each snowfall.
* Clear the snow at least 3 feet around the hydrant so firefighters have enough room to access the hydrant.

We appreciate your help in keeping our City safe by clearing out the hydrants near your property.



Where to Dispose of Your Pumpkins

City residents can dispose of pumpkins, gourds and similar organic materials at the Recycling Center. All pumpkins must be free of decorations, including candles. Residents are also allowed to put pumpkins in their garbage cart. A good alternative is to chop the pumpkin into pieces and put it in a compost area or garden. Cover it with leaves so those nutrients stay in the soil. Composting is a more sustainable option rather than throwing them in the trash, and it reduces solid waste disposal costs.

Don't Plow or Blow Snow in the Street

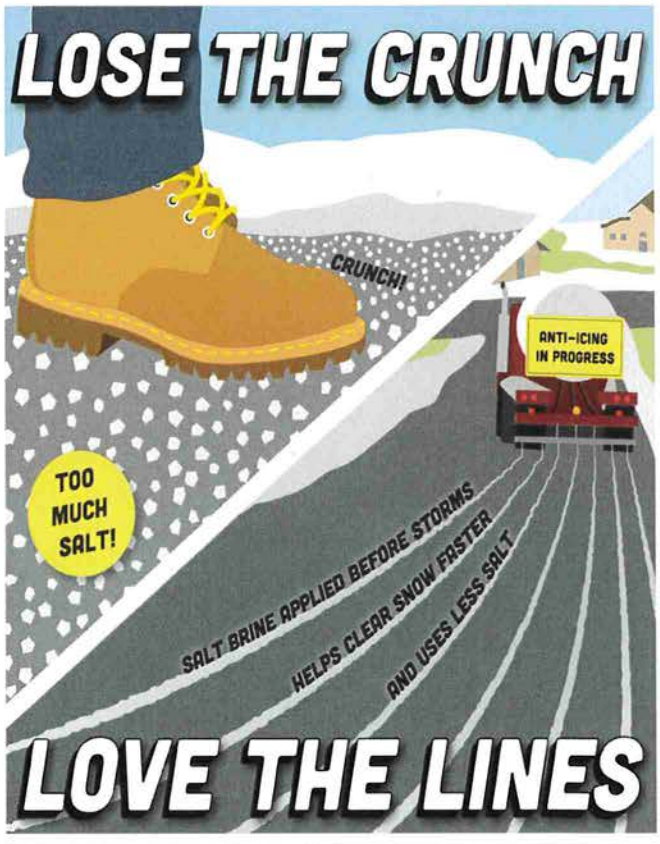
This is an important reminder to all City of Pewaukee residents and business owners that shoveling, pushing or blowing snow or ice into the streets or right-of-way, or across public roadways creates unsafe conditions for drivers and is punishable by law.

When plowing your private street or driveway, make sure you do not block the intersection's vision corners to ensure a clear view of traffic.

Remember to notify your snow/plow removal contractors as they must comply with these laws as well.

Thank you for doing your part to help keep our streets and sidewalks safe for everyone.

Pewaukee Ordinance Chapter 10.09. Deposit of Snow in the Streets or Right-of-Ways; Wis. State Statute 346.94(5).



A 12-ounce cup or mug full of salt is enough to melt ice on a 20-foot driveway

Trail Etiquette - Who Has the Right of Way?

There are a number of trails in the City, and although we're sure most walkers out there enjoy their fair share of peace and solitude on the trail, odds are you'll eventually end up sharing the trail with others.

But don't worry—whether you are sharing the outdoors with fellow walkers/runners (hikers), or bikers, there are general guidelines for *how* to share that tiny trail space with others.

Hikers vs. Bikers: Since bikes are considered more maneuverable than hikers' legs, bikers are generally expected to yield to hikers on the trail. However, because those bikes are often moving considerably faster than said legs, it is usually easier for hikers to yield the right of way—especially if the biker is huffing and puffing up a tough incline. A biker should never *expect* a hiker to yield, though.

Hikers vs. Hikers: If you're about the pass another hiker from behind, a simple "hello" is often the best way to announce your presence. Always hike single file, never taking up more than half the trail space and when a group meets a single hiker, it's generally preferable for the single hiker to yield and step safely to the side. Remember, when in doubt, just treat hikers and bikers the same way you would treat the trail itself—with respect. Then get back to enjoying that solitude!

Waukesha County Park System

TRAIL ETIQUETTE

- Be courteous and respectful of others along the trail
- Stay on the designated trail
- Don't block the trail - pull off on shoulder to stop
- Keep the trail clean - don't litter
- Keep right - announce yourself and pass on the left
- Keep dogs under control and leashed
- Pick up all animal waste
- Travel at a safe and controlled speed

To report hazardous trail conditions

Call: **(262) 548-7801**

Download Mobile App: **YourGOV**

For emergencies 911

Thank you for your cooperation.

www.waukeshacountyparks.com

City Hall will be closed for the holidays on December 25, 26, at noon on Dec 29th, and January 1st

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.

6/8/2020