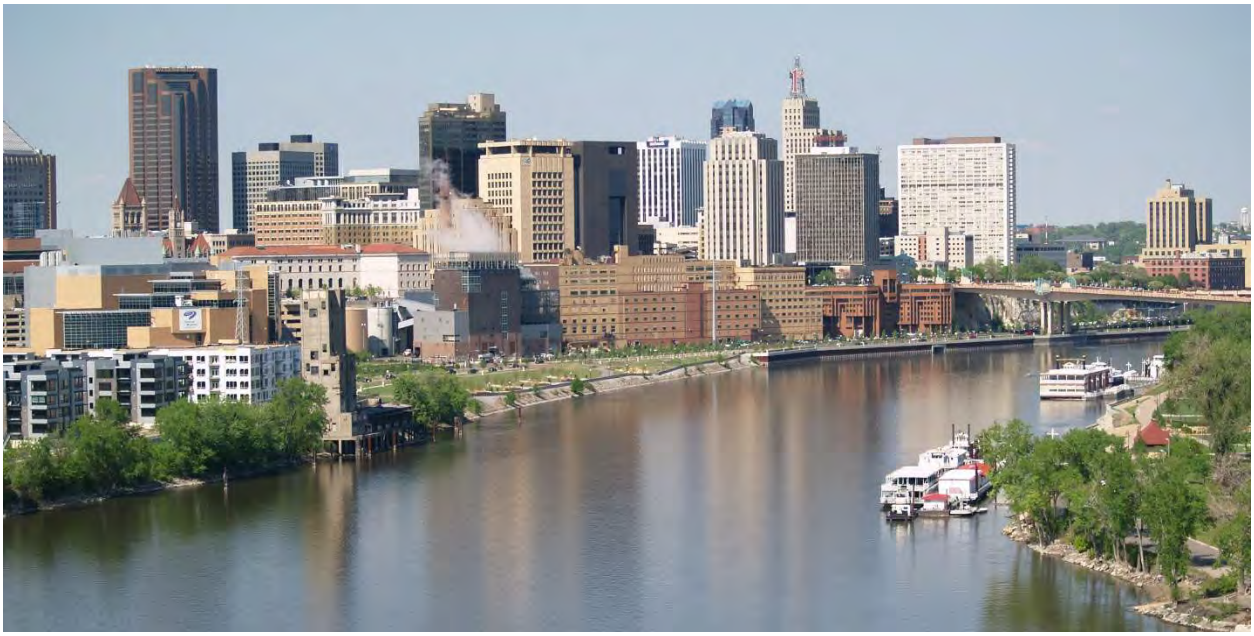
City of Saint Paul's

2025 Stormwater Permit Annual Report



Minnesota Pollution Control Agency
National Pollutant Discharge Elimination System
Permit No. MN 0061263
April 2026

SAINT PAUL
MINNESOTA

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Background

The National Pollutant Discharge Elimination System (NPDES) program was created in 1990 by the United States Environmental Protection Agency to safeguard public waters through the regulation of the discharge of pollutants to surface waters including lakes, streams, wetlands and rivers. The Minnesota Pollution Control Agency (MPCA) is the local authority responsible for administering this program. Under this program, specific permits are issued to regulate different types of municipal, construction and industrial activities.

The MPCA issued the first Municipal Separate Storm Sewer System (MS4) NPDES Permit to the City of Saint Paul on December 1, 2000. The City's MS4 Permit was reissued on January 21, 2011, and again on July 12, 2018. The reissued permit requires submittal of a revised Stormwater Management Program (SWMP), which will be submitted to the MPCA with this Annual Report.

The Saint Paul SWMP was developed, and is administered by various City Departments that are responsible for permit activities. Included are the Public Works Department, Saint Paul Parks and Recreation Department and the Department of Safety and Inspections. These stakeholders are jointly responsible for the completion of the required permit submittals. The Department of Public Works provides program coordination. The Permit also requires public input on the development of the priorities and programs, and adoption by Council Resolution of the Annual Report.

This Report provides documentation of the activities conducted in 2025.

Contact Information

Permit coordination and annual reporting are handled by:

MS4 Permit Coordinator
Pat Murphy
Department of Public Works
651-266-6254
patrick.g.murphy@ci.stpaul.mn.us

MCM 1: Public Education and Outreach

MCM Overview (Permit Section 27.3):

The permittee must provide the following as it pertains to the public education and outreach program required in section 15:

- Quantities and descriptions of educational materials distributed, and the number of visits by the public, to **stormwater** education websites.
- A summary of the education and outreach activities held, including dates of events.
- Any modifications made to the program as a result of the annual evaluation as described in item 15.7.e
- If the **Permittee** relied upon other organizations for some, or all, of its education and outreach program, include a summary of activities conducted by those other organizations.

Annual Reporting:

Update Public Education and Outreach Workplan annually to summarize activities and success of public education campaign including: dates of activities, quantities of materials distributed, estimated attendance, etc.

BMPs:

- 1.1 Public Education and Outreach

MCM 1: Public Education and Outreach

BMP 1.1 Public Education and Outreach

Description

The City implements public education and outreach programs in accordance with the *PUBLIC EDUCATION AND OUTREACH WORK PLAN* (included within the SWMP) to increase the awareness of stormwater pollution impacts on waters of the state to encourage changes in public behavior to reduce impacts to receiving waters.

2025 Activities

Public Education and Outreach activities continued utilizing a hybrid of self-serve/virtual programs. This included stenciling kits that could be checked out and virtual presentations highlighting urban non-point source pollution and related environmental issues. The Sewer Utility generated 2000 no parking signs with water quality educational messaging installed on the back of St. Paul. These signs will be used throughout the year for various maintenance activities and will promote keeping receiving waters clean. The Sewer Utility participated in Waterfest promoting our stormwater management programs as well as fielding any questions raised by the public. A TMDL factsheet has become part of our water quality education programs in an effort to educate the public on impaired waters within St. Paul. It is available to the public on the City's website and at various in-person public education opportunities.

The City continued to distribute our stormwater flyer at public events that highlights the City's pet waste ordinance and promotion of proper pet waste disposal. The City participated in Watershed partners, FMR and Adopt-a-drain outreach programs throughout the year. Summaries of the Public Education and Outreach activities are within the Appendix, and within the updated Stormwater Management Program Public Education and Outreach Work Plan.

MCM 2: Public Participation and Involvement

MCM Overview (Permit Section 27.4):

The permittee must provide the following as it pertains to the public participation and involvement program required in Section 16:

- a summary of the written public input received on the SWMP and the permittee's response to the input as described in Section 16;
- any modifications made to the SWMP because of the input received during the public meeting;
- the date and location of the public meeting as described in item 16.3; and
- formal resolution from the permittee's governing body adopting the annual report and the SWMP as required in item 16.10.

Annual Reporting:

Documentation of: public notifications, public feedback on SWMP, adoption of the Annual Report, etc.

BMPs:

- 2.1 Encourage and Solicit Input from the Public

MCM 2: Public Participation and Involvement

BMP 2.1 Encourage and Solicit Input from the Public

Description

Saint Paul citizens are actively engaged in many aspects of the City's governance, being involved through commissions, district councils, volunteer organizations and electronic communications. Other public involvement techniques include workshops, web page accessibility and outreach by elected officials. The objective of this program is to make the SWMP and related documents available to the public and to provide a process for public input in the development and implementation of the SWMP.

2025 Activities

The Annual Report is a coordinated effort by various City Departments. Information in the Annual Report provides documentation of the activities conducted in the previous year.

A notice of the availability of the documents for review, and public comment, was sent to all Saint Paul neighborhood organizations, to the governmental entities that have jurisdiction over activities relating to stormwater management, and to other interested parties. The City held its public meeting at Waterfest on May 31st, 2025 at Lake Phalen Park. Public Works staff offered rides on a street sweeper, showcased a catch basin cleaning truck, and participated in the event-wide water quality trivia messaging. Our stormwater management and annual reports were available for review in addition to the distribution of factsheets and flyers containing stormwater messaging. This provided the public with the opportunity to inquire and provide feedback on our stormwater management programs and activities. In addition to the public meeting, there was still opportunity for public comments via email and mail format through the Public Works Department.

Once finalized, the Annual Report and updated Stormwater Management Program are also made available on the website. All testimony presented at the public meeting, and all written comments received, are recorded and given due consideration. The public comments, response to comments and a copy of the council resolution adopting the Stormwater Permit Annual Report, and updated Stormwater Management Program, are submitted each year to the Minnesota Pollution Control Agency.

MCM 3: Illicit Discharge, Detection, and Elimination

MCM Overview (Permit Section 27.5 thru 27.6):

The permittee must provide the following as it pertains to the IDDE program required in Section 17:

- the status of the regulatory mechanisms required in Section 17;
- a description and the date of the most recent update to the electronic storm sewer system inventory and map completed during the reporting year;
- the number of spills and illicit discharges that occurred and a description of the response, containment, and cleanup of the spills and illicit discharges;
- the number of illicit discharge inspections and/or screening activities completed during the reporting year and a description of the response, investigation, and enforcement response procedures utilized to eliminate the illicit discharges;
- reports of alleged illicit discharges received, including date(s) of the report(s), and a description of the response, investigation, and enforcement response procedures utilized to eliminate the illicit discharge(s);
- sources of illicit discharges, including a description and the responsible party if known;
- identification of outfalls or other areas where illicit discharges have been discovered and a description of the response, investigation, and enforcement response procedures utilized to eliminate the illicit discharge(s); and
- a description of the training activities, implemented during the reporting year, to train municipal staff about reporting, responding to, and eliminating illicit discharges. [Minn. R. 7090]

The permittee must provide the following as it pertains to the inspection and regulatory oversight program to monitor and control pollutants from industrial, commercial, and institutional facilities required in items 17.31 through 17.37:

- the status of the inventory required in item 17.33; and
- the number of facility inspections completed and a summary of inspection findings. [Minn. R. 7090]

Annual Reporting:

Documentation of: illicit discharges complaints received and addressed, modifications to City Ordinances and Field Investigation Manuals, progress on developing the Industrial, Commercial, Institutional Regulatory Program including inventory of sites and number of inspections completed annually.

BMPs:

- 3.1 Prohibited Discharge Management Program
- 3.2 Storm Sewer System Map and Inventory
- 3.3 Dry Weather Field Screening Program
- 3.4 Industrial, Commercial, Institutional Regulatory Program

MCM 3 Illicit Discharge, Detection, and Elimination
BMP 3.1 Prohibited Discharge Management Program

Description
The objective of this program is to effectively prohibit through ordinance or other regulatory mechanism and appropriate enforcement response procedures illicit discharges into the MS4.

2025 Activities
Spill Response

The Sewer Maintenance section of the Sewer Utility, or Saint Paul Fire Department personnel, typically serve as the first responders to a spill event. The immediate goals of this response are safety, containment of the spill, recovery of hazardous materials and collection of data for use in assessment of site impacts. Recovery efforts can take several forms, but typically fall into two broad categories: recovery for disposal, and the use of absorbents or other media to collect hazardous waste for disposal

The life cycle of an event requires City personnel to work as a team, utilizing all available resources to protect residents, the environment and property. Outside agencies and private emergency response contractors are incorporated as needed. Spills that fall within the minimum reporting requirements are reported to the Minnesota Pollution Control Agency (MPCA) Public Safety Duty Officer. For these spills, a spill data form must be completed within 24 hours, or by the next business day. The completed forms are used to document the type of spill, as well as the response to the spill. The Sewer Utility follows the spill reporting policy, which is signed off on by employees as part of the annual policy review.

The Sewer Utility maintains a contact list summarizing all the MS4 contacts of adjacent municipalities and agencies. This aids in investigations, notifications, and response activities in multi-jurisdictional illicit discharges.

Prohibited Discharges

Pollution prevention and control is achieved through educational efforts, inspections and coordinated community outreach. These activities may include enforcement, pursuant to applicable City codes, and coordination with other regulatory agencies at the county, state and federal levels. Enforcement yields identification of the responsible party, documentation of clean-up activities, and efforts to reduce the flow of pollutants from illegal dumping and disposal. Complaints are received from the public, City staff and other government agencies. Department of Safety and Inspections and Public Works staff respond to reports of unauthorized discharges and illicit connections. The City adopted an ordinance and created a fact sheet in 2013 defining allowable discharges to the storm sewer system.

The City’s Right of Way (ROW) inspectors respond to complaints resulting from utility contractors dewatering or saw cutting and construction site dewatering and tracking. Each year at the Utility Coordination Meeting, requirements and BMPs are reviewed with contractors, and a

handout is provided. The ROW inspectors enforce these requirements in the field, respond to complaints and coordinate with DSI to address issues originating on private property.

In 2025, the Sewer Utility facilitated an update to the IDDE field manual and video for staff training.

In 2025, DSI sent out leaf letters as usual. However, the City experienced a cyber attack that crippled our data management systems not allowing the precise number to be identified. This caused adverse affects to the data collection operations for reporting. to properties throughout the City. This letter states that a complaint was received by the City of leaves being raked into the street. It explains how the leaves negatively impact downstream water bodies and gives information about compost sites in Ramsey County. The first letter is a warning and subsequent complaints will result in a fine to the property owner.

Discharges addressed in 2025 are within the Appendix.

Staff Training

- The Department of Public Works hosts an Annual Utility Coordination meeting to facilitate utility and street system reconstruction projects. A component of this meeting includes stormwater management items such as erosion and sediment control in the public Right-of-Way, Allowable Discharges to the Storm Sewer System, Best Management Practices, etc. Attendees are comprised of various municipal employees and utility companies.
- Various Sewer Utility personnel attend the Sewer Collection System Operators Conference conducted by the Minnesota Pollution Control Agency on an annual basis.

MCM 3 Illicit Discharge, Detection, and Elimination

BMP 3.2 Prohibited Discharge Management Program

Description

The objective of this program is to minimize pollutants in stormwater through the effective use of electronic tools for data storage, retrieval, display and analysis. An electronic inventory and map and electronic inventory is under development to support numerous stormwater management system responsibilities and activities, including operation and maintenance, design, hydrologic and hydraulic modeling, Gopher State One Call locates, capacity, condition and water quality studies, illicit discharge detection and management of spills.

2025 Activities

Storm Drain System Infrastructure

Approximately 150 years ago, Saint Paul first constructed portions of a sewer system that today comprises 450 miles of storm sewers and over 26,000 catch basins. The system was designed to satisfy the City's obligation to provide reasonable drainage of stormwater and to prevent street flooding, which satisfied the City's responsibility to protect neighboring properties, allow for normal traffic flows, and prevent damage to streets, sidewalks and boulevards.

The Department of Public Works has a computer-based asset and infrastructure management system. This system includes both the storm and sanitary sewer networks. With various sewer system modifications occurring on an annual basis, updating of the computer-based asset and infrastructure management system occurs on an ongoing basis.

Annually a comprehensive map is updated that identifies BMP locations, and their contributing drainage areas, that Public Works operate. This map can be utilized to aid in spill response, maintenance, inspection, plan review, and locating.

Watershed and Storm Sewer Outfall Inventory

An inventory of Saint Paul's storm sewer outfalls is located in the Appendix. This inventory includes the outfall identification number, outfall name, watershed name, size of pipe and drainage area. The following information is provided in the Outfall Inventory found in the Appendix for each of the 23 watersheds in St. Paul: drainage area, land use types and distribution, population, percent impervious surface area, and the runoff coefficient. The following table shows the total number of discharge points to each water body in Saint Paul.

Discharge points to receiving waters

Receiving Water	Total Discharge Points
Bridal Veil Creek	1
Mississippi River	170

Upper Lake	8
Crosby Lake	9
Fairview North Pond	2
Lake Como	19
Loeb Lake	1
Lake Phalen	18
Beaver Lake	4
Suburban Pond	2
Little Pig's Eye Lake	1
Pig's Eye Lake	5
Battle Creek	11

Stormwater Ponds

A map showing the stormwater ponding areas in the City of Saint Paul is included in the Appendix. The Appendix also contains the tributary area and design capacity for each City ponding area and a list of ponding areas by watershed.

NPDES Permitted Facilities

Facilities in Saint Paul that are issued NPDES permits by the MPCA are identified in Appendix.

Industrial Land Use

Industrial land uses may generate higher concentrations of hydrocarbons, trace metals, or toxicants than are found in typical stormwater runoff. Maps showing the areas of industrial land use in Saint Paul are included in the Appendix.

MCM 3 Illicit Discharge, Detection, and Elimination

BMP 3.3 Dry Weather Field Screening Program

Description

The objective of this program is to develop, and as necessary continue to develop, and implement a dry weather field screening program to detect and eliminate non-stormwater discharges, including illegal dumping, to the system. The City shall inspect each outfall at least once over the five-year term of the current permit for evidence of illicit discharges.

2025 Activities

Detection and Removal Screening Program

The field screening program to detect and investigate contaminated flows in the storm drain system is a part of the City's daily operations. Sewer Maintenance crews routinely inspect and clean the storm sewer system throughout the City. Inspections of flows that generate unusual odors, stains, and deposits are included in the annual outfall inspection program. In addition, Sewer Maintenance performs Gopher State One-Call utility locating for the storm sewer system, integrating visual inspection for illicit discharges

The City conducts its own stormwater quality monitoring activities via a Consultant, and also coordinates with the Capitol Region Watershed District on comprehensive stormwater quality monitoring program in Saint Paul.

The City investigates prohibited discharges as part of its regular tunnel, outfall, and pond inspection program. The City also investigates complaints and issues identified in the monitoring program. The Department of Safety and Inspections carries out enforcement on property code violations. Under Chapter 45 of City Code, the City is authorized to collect via assessment its cost of abating property-related health and safety problems when an owner has failed to perform the work following notice by the City. The City may assess property owners to recover unpaid city charges.

GIS mapping is implemented as a tool to support various activities. Information that is gained through the sewer system inspection program can be used to compile data on non-stormwater discharges, storage of hazardous materials, and activities or operations that may be potential water pollution point sources. The City will continue to investigate prohibited discharges as part of its regular tunnel, outfall and pond inspection programs, stormwater quality monitoring, and day-to-day sewer operations.

Any suspect flows are then reported to appropriate City staff for further investigation. These combined efforts result in an annual screening of more than 20% of City drainage areas.

The best avenue for a continued effective screening program in the City of Saint Paul, without duplication of services, is to continue to use current practices, and to explore the development of certain aspects of the program to improve enforcement results.

Standard Operating Procedures and Checklists

- The Parks Department uses a Spill Reporting form and instructions (See Appendix). Form is completed in the event of a spill if petroleum or hydraulic spills greater than five gallons, and other materials spill of any size. The Minnesota Duty Officer is notified, as required, in the event of a reported spill.
- The Parks Department and Public Works Department have Clean Water Policies which are distributed, reviewed, and signed by all field staff. (See Appendix).
- The Department of Public Works hosts an Annual Utility Coordination meeting to facilitate utility and street system reconstruction projects. A component of this meeting includes stormwater management items such as erosion and sediment control in the public Right-of-Way, etc. Attendees are comprised of various municipal employees and utility companies.
- The Department of Public Works developed a Dry Weather Screening written procedure, included within the Appendix of the SWMP.
- The Department of Public Works developed a IDDE Field Guide, and routinely updates and trains staff on current procedures.
- The Department of Public works partnered with Bolton & Menk to create IDDE training videos for the public and City staff. The public video was added to the Sewer Utility's website to increase awareness and detection of illicit discharges.

MCM 3 Illicit Discharge, Detection, and Elimination

BMP 3.4 Industrial, Commercial, and Institutional Regulatory Program

Description

The objective of this program is to minimize the discharge of pollutants from industrial activities by administering and enforcing ordinances, exercising municipal authority over activities with high potential for stormwater pollution, and providing information to assist the MPCA in carrying out its industrial permitting program.

2025 Activities

A map of the industrial land use areas in the City is included in the Appendix. Complaints in the ROW are handled by the Public Works ROW inpectors. Those that originate on private property are referred to DSI. The City coordinates with the MPCA Industrial Stormwater Program for sites that are permitted by the MPCA.

The City of Saint Paul continues to work on the creation of an Industrial Stormwater Regulatory Program as required by the 2024 reissuance of the Phase I permit. The City continues to develop the program, review required ordinance revisions, looking funding options, along with working with partner agencies to craft a fair and equitable program that protects the waters of the state.

MCM 4: Construction Site Stormwater Runoff Control

MCM Overview (Permit Section 27.7):

The permittee must provide the following as it pertains to the construction site stormwater runoff control program required in Section 18:

- the status of the regulatory mechanism(s) required in item 18.3;
- the number of construction site plans reviewed and confirmed to meet regulatory mechanism(s) requirements;
- the number of construction stormwater complaints received and a summary of responses to those complaints;
- the number of site inspections completed and a summary of inspection findings;
- the number of violations of the permittee regulatory mechanism(s) for construction site stormwater runoff control and the types of enforcement response procedures utilized; and
- the title of the construction stormwater training attended by permittee staff. [Minn. R. 7090]

Annual Reporting:

Documentation of: number of reviewed and approved Site Plans, active construction sites, SWPPP inspections, and corrective actions.

BMPs:

- 4.1 Development and Redevelopment Control Program
- 4.2 Municipal Control Program

MCM 4: Construction Site Stormwater Runoff Control

BMP 4.1 Development and redevelopment Control Program

Description

The objective of this program is to minimize the discharge of pollutants from construction sites disturbing one acre or more by requiring erosion prevention and sediment control measures. Chapter 52 of the Saint Paul Code of Ordinances requires projects disturbing one acre or more to provide for erosion and sediment control during construction. Sites one or more acres in size are also required to obtain NPDES General Construction Permits from the Minnesota Pollution Control Agency, the Capitol Region Watershed District and the Ramsey-Washington Metro Watershed District.

This program encompasses a variety of individuals responsible for water quality concerns from construction activities. These individuals include designers of erosion control plans; staff responsible for plan review; and, field inspectors with municipal authority over contractors.

2025 Activities

Program Overview

Saint Paul Code of Ordinances, Part II – Legislative Code, Title VI - Building and Housing, Chapter 52 Stormwater Runoff contains erosion and sediment control requirements, and stormwater management requirements for new developments and other land-disturbing construction activities. Construction activities and new development projects are reviewed through the City's Site Plan Review process. This review provides comments that are integrated into a final plan submittal that is subsequently routed to the City's Departments for approval. The Department of Safety and Inspections reviews projects for compliance with the erosion & sediment control requirements and water quality requirements. The Sewer Utility reviews projects for rate control, flood protection and capacity issues.

Site Plan Review

DSI and Public Works staff provide a detailed review of site plans, and track process to identify stormwater management opportunities. During 2025, City Departments reviewed 130 site plan applications, and issued final approval and permitting on 78 of them. Continued attention to erosion and sediment control plan submittals, along with increased awareness in the industry, provided for better compliance during site inspections.

Inspection and Enforcement

Ongoing site inspections are performed by DSI inspectors. In 2025, DSI inspectors continued to conduct erosion control inspections at various new and redevelopment sites.

Inspectors may issue a warning notice citation or a "Stop Work Order". Failure of the permittee to comply with the ordinance will constitute a violation and will be considered a nuisance pursuant to the laws of the State of Minnesota. If there is a demonstrated failure to comply, the

City reserves the right to terminate a permit at any time. The City then has the option of proceeding with the necessary restoration of the site. This restoration would be done at the expense of the owner/permittee. Increased awareness of the ordinance, improved plan submittals, and a continued compliance-based inspection program resulted in a continued rise in compliance. Inspections were coordinated with the Capitol Region and Ramsey-Washington Metro Watershed Districts.

New public and private developments and other projects that disturb one acre or more will be inspected for erosion and sediment control. This effort will lead to a continued awareness of the problems associated with construction site sediment. This will also result in a continuing increase in the overall rate of compliance citywide. The City will continue to study options to increase compliance, and to help limit the amount of erosion and sediment loss associated with construction projects.

Standard Operating Procedures and Checklists

The standard form utilized for documenting field inspections on private projects is found in the Appendix. The form supplements a database which tracks multiple levels of information including inspections for erosion control. The City has developed the following standard operating procedures (SOPs) and checklists for Erosion and Sediment Control (ESC) on public and private construction sites:

- The City of Saint Paul utilizes standard forms for both public and private construction sites.
- Public Works Right-of-Way Division uses a form when ROW inspectors inspect Utility Installation work (See Appendix).
- In 2018, DSI revised the Site Plan Erosion and Sediment Control Review Procedure. City staff will continue to develop performance measures and to improve data collection, tracking and analysis. The City will also pursue means of measuring and understanding water quality impacts.
- Erosion control plans and inspections are tracked in the City's AMANDA system.
- Handouts and worksheets are distributed to all relevant applicants.
- The Department of Public Works developed an Environmental Enforcement Response Procedure for application on Public Works Construction sites included within the Appendix of the SWMP.
- The Department of Public Works developed a SWPPP Inspections standard operating procedure for application on Public Works Construction sites included within the Appendix of the SWMP.

Staff Training

- The Department of Public Works hosts an Annual Utility Coordination meeting to facilitate utility and street system reconstruction projects. A component of this meeting includes stormwater management items such as erosion and sediment control in the public Right-of-Way, etc. Attendees are comprised of various municipal employees and utility companies.
- City of Saint Paul inspectors are trained and certified through the University of Minnesota's Erosion and Stormwater Management Certification Program. This includes Department of Public Works Street Construction inspectors, Public Works ROW inspectors, Department of

Safety and Inspections Building Inspectors and Parks Environmental Services staff. The certification includes a recertification component within a 3-year period, which ensures training stays current with techniques and regulations.

MCM 4: Construction Site Stormwater Runoff Control
BMP 4.2 Municipal Control Program

Description

The objective of this program is to minimize the discharge of pollutants from construction sites disturbing 1 acre or more carried out by the City by requiring erosion and sediment control measures. Sites one or more acres in size are required to get NPDES General Construction Permits from the Minnesota Pollution Control Agency, the Capitol Region Watershed District and the Ramsey-Washington Metro Watershed District.

This program encompasses a variety of individuals responsible for water quality concerns from construction activities. These individuals include designers of erosion control plans, staff responsible for plan review and field inspectors.

2025 Activities

Program Overview

Non-Linear, municipal site projects go through the site plan review process and are inspected by the building inspectors for erosion and sediment control. Please see the description of this program in BMP 4.1. The standard forms utilized for documenting field inspections for street reconstruction projects is intended to be handwritten in the field and included in the project file. Staff started using the forms in 2011. During 2025, Public Works Construction inspectors continued to work with internal forces and watershed district staff on erosion and sediment control compliance.

Standard Operating Procedures and Checklists

- The Department of Public Works developed an Environmental Enforcement Response Procedure for application on Public Works Construction sites included within the Appendix of the SWMP.
- The Department of Public Works developed a SWPPP Inspections standard operating procedure for application on Public Works Construction sites included within the Appendix of the SWMP.

Staff Training

- The Department of Public Works hosts an Annual Utility Coordination meeting to facilitate utility and street system reconstruction projects. A component of this meeting includes stormwater management items such as erosion and sediment control in the public Right-of Way, etc. Attendees are comprised of various municipal employees and utility companies.
- City of Saint Paul inspectors are trained and certified through the University of Minnesota's Erosion and Stormwater Management Certification Program. This includes Department of Public Works Street Construction inspectors, Public Works ROW inspectors, Department of Safety and Inspections Building inspectors and Parks Environmental Services staff. The certification includes a recertification component within a 3-year period, which ensures training stays current with techniques and regulations.

MCM 5: Post-Construction Stormwater Management

MCM Overview (Permit Section 27.8):

The permittee must provide the following as it pertains to the post-construction stormwater management program required in Section 19:

- the status of the regulatory mechanism(s) required in item 19.3;
- the number construction activity projects required to meet the terms of the permittee regulatory mechanism(s);
- the number and type of structural stormwater BMPs implemented to meet the terms of the permittee regulatory mechanism(s), including the number of structural stormwater BMP long-term maintenance agreements executed during the reporting year; and
- the number construction activity projects requiring mitigation (i.e., off-site stormwater treatment), including an explanation of why mitigation was required, the types of structural stormwater BMPs, and the expected dates of implementation. [Minn. R. 7090]

Annual Reporting:

Documentation of: reviewed and approved Site plans, number of stormwater management facilities to treat urban runoff, MS4-owned facilities, etc.

BMPs:

- 5.1 Development and Redevelopment Mitigation Program
- 5.2 Compliance Program for Private Site Controls
- 5.3 Municipal Mitigation Program

MCM 5: Construction Site Stormwater Runoff Control

BMP 5.1 Development and Redevelopment Mitigation Program

Description

The objective of this program is to minimize the post-construction discharge of pollutants and stormwater runoff volume from construction projects disturbing one acre or more. Chapter 52 of the Saint Paul Code of Ordinances requires projects disturbing one acre or more to provide post-construction stormwater management. Sites one or more acres in size are also required to obtain NPDES General Construction Permits from the Minnesota Pollution Control Agency, the Capitol Region Watershed District and the Ramsey-Washington Metro Watershed District.

Projects are reviewed through the City's site plan review process, which is facilitated by the Department of Safety and Inspections. The Site Plan Review Committee is made up of staff from various departments including the Sewer Utility, Saint Paul Regional Water Services, PW Traffic Division, Zoning and Fire & Safety. Building permits are not issued until site plan review approval is formally attained.

2025 Activities

Ongoing Stormwater Management

Redevelopment of existing sites provides an opportunity to lessen the impacts of urbanization on the Mississippi River and other Saint Paul water resources. During 2025, Stormwater Best Management Practices (BMPs) were installed on sites reviewed through the Site Plan Review process. BMP types that were constructed include:

- Rain gardens
- Pervious pavement
- Infiltration areas
- Stormwater ponds
- Underground infiltration/filtration and detention facilities

Plan Review

Stormwater management plans are required for all construction projects, which disturb one acre or more of land. These plans are reviewed through the Site Plan review process and approved by the Department of Safety and Inspections and the Saint Paul Public Works Sewer Utility. Sites disturbing less than one acre are also required to provide runoff rate control, if the project disturbs greater the 10,000 square feet. In addition, sites under one acre are encouraged to incorporate green infrastructure stormwater BMPs into their design as a means of satisfying other city codes, such as parking requirements. Following the City Ordinance updates in 2021 that addressed the City's Off Street Parking Code, the City amended the code again 2023 to address the issues relate to stormwater from the previous change

MCM 5: Construction Site Stormwater Runoff Control

BMP 5.2 Compliance Program for Private Site Controls

Description

The objective of this program is to implement a program for maintenance, inspection, record keeping and reporting of private stormwater devices constructed in accordance with the City's requirements.

2025 Activities

City ordinance requires the design to minimize the need of maintenance and to provide access for equipment and personnel. The facilities must have a plan of operation and maintenance that ensures effective removal of pollutants. The ordinance also allows the City right of entry and inspection. In 2015, the City began a comprehensive review of its stormwater policies. In 2018, the City updated its Local Surface Water Management Plan. As a part of this planning effort, various ordinances were analyzed, and revisions proposed. This will assist in future planning to meet the identified Proposed Activities and Implementation Schedule. The City coordinates with the CRWD and RWMWD in the development of a BMP database and procedures to ensure that private BMPs are maintained. The City's Local Surface Water Management Plan was adopted by City Council in 2019.

MCM 5: Construction Site Stormwater Runoff Control

BMP 5.3 Municipal Mitigation Program

Description

The stormwater management objective of this practice is to reduce the discharge of pollutants through the proper planning, design, and construction management of projects carried out by the City.

2025 Activities

Public Works Projects

- Jackson St: Public Works installed multiple subsurface infiltration trenches ($225,000).
- Kellogg Blvd Phase II: Public Works installed a hydrodynamic separator, underground storage vault, and a modular wetland ($860,000).
- Wheelock-Grotto Phase I: Public Works installed a multiple subsurface infiltration trench ($375,000).
- Grand Ave: Public Works installed multiple modular wetlands ($435,000).
- Robert St: Public Works installed multiple modular wetlands ($650,000).
- Pleasant Ave: Public Works installed multiple filtration trenches ($300,000).
- Advanced planning and engineering on 2026 Street Reconstruction projects. (Earl St, Kellogg Blvd, Kellogg-Third Street Bridge, Pelham St, Rice Street, Shepard Road, Wheelock-Grotto Phase II, University Ave).
- Betline Subwatershed: In 2025, Public Works initiated a detailed Hydrologic and Hydraulic Model of the 2,900+ acre Beltline Subwatershed ($155,000).
- Davern Subwatershed: In 2024, Public Works initiated a detailed Hydrologic and Hydraulic Model of the 1,200+ acre Davern Subwatershed. Included in the scope of work was the development of a P8 water quality model ($97,000).
- Lake Phalen Subwatershed: In 2024, initiated a detailed Hydrologic and Hydraulic Model of the 2,900+ acre Lake Phalen Subwatershed. Included in the scope of work was the development of a P8 water quality model ($105,000).
- Phalen Creek Subwatershed: In 2025, Public Works peer reviewed a detailed Hydrologic and Hydraulic Model of the 1,500+ acre Phalen Creek Subwatershed. Included in the scope of work was the development of a P8 water quality model ($3,500).
- Mississippi River Blvd Subwatershed: In 2025, Public Works initiated a detailed Hydrologic and Hydraulic Model of the 2,200+ acre Mississippi River Blvd Subwatershed. Included in the scope of work was the development of a P8 water quality model ($185,000).

Parks and Recreation Projects

- Parks and Recreation completed construction of their stormwater BMPs at North End Community Center (4,500,000).
- Parks and recreation installed a stormwater BMP at Phalen Regional Park ($75,000).
- Parks and Recreation installed a stormwater BMP at Pedro Park ($250,000).

City-Partner Collaborative Efforts

- Hillcrest Golf Course: Public Works, Parks, RWMWD, continued review and inspection of the Port Authority plans and construction for comprehensive stormwater facilities to service entire 112 acre public/private redevelopment.
- Parks and Recreation partnered with CRWD to jointly manage six rain gardens. CRWD oversaw rain garden contractors and project tasks included invasive species control, tree and shrub removal, inlet maintenance, sediment removal, replanting, and mowing.
- Hazel-Ross and Hazel-Nokomis Ponds: In 2025, Public Works collaborated with RWMWD to dredge pond sediment deposits within the two Hazel ponds in 2026 ($200,000).
- Atwater-Western, Arlington-Business Park, Arlington-Arkwright, Beacon Bluff Ponds: In 2025, Public Works collaborated with CRWD to dredge pond sediment deposits within the ponds in 2026 ($460,000).
- In 2025, Parks and Recreation advanced design plans in partnership with CRWD for stormwater improvements at McMurray fields.

MCM 6: Pollution Prevention and Good Housekeeping for Municipal Operations

MCM Overview (Permit Section 27.9 thru 27.14):

The permittee must provide information as it pertains to the operations and maintenance program required in Section 20. At a minimum, the permittee must include in the annual report the information described in items 27.10 through 27.14. [Minn. R. 7090]

The permittee must provide a description of permittee facilities and municipal operations that contribute pollutants to stormwater discharges and the BMPs implemented to prevent polluted runoff from discharging to the MS4. [Minn. R. 7090]

The permittee must provide a brief description of all outfall inspection findings including any improvement projects completed at the outfall locations. [Minn. R. 7090]

The permittee must provide a list of the MS4 components or facilities that need to be replaced, repaired, or maintained and a schedule for completing the replacement, repair, or maintenance activity. [Minn. R. 7090]

The permittee must provide the results of structural stormwater BMP inspections, assessments, maintenance, and repair activities including:

- date;
- estimation of sediment storage capacity and percent capacity remaining;
- the date of maintenance and/or repairs completed;
- the dates and quantity of removed substances from structural stormwater BMPs;
- the quantity of material removed by street sweeping (seasonal sweepings for spring sand and fall leaves must be itemized as part of the total quantity);
- the quantity of deicing materials, chemicals, and sand applied to roadways. The location and description of all storage facilities for sand, deicing materials, and anti-icing solution used during winter maintenance activities; and
- the number, type, and schedule of flood control improvement projects completed, including a description of the pollutant removal capabilities associated with each project. [Minn. R. 7090]

The permittee must provide information about stormwater management training events, including:

- title and topic of training;
- date of training; and
- names and departments of employees in attendance. [Minn. R. 7090]

Annual Reporting:

Documentation of: storm sewer system maintenance (pipe, manholes, catch basins, ponds, outfalls), street system maintenance (sweeping dates, sediment collected, salt usage), park system maintenance, SWPPP implementation, sediment management (structural pollution control devices, ponds, salt usage).

BMPs:

- 6.1 Storm Sewer System Operation and Maintenance
- 6.2 Street System Operation and Maintenance
- 6.3 Park System Operation and Maintenance
- 6.4 Municipal Facility Stormwater Pollution Prevention Plan Management
- 6.5 Stormwater Runoff Volume Reduction Plan

MCM 6: Pollution Prevention and Good Housekeeping for Municipal Operations

6.1 Storm Sewer System Operation and Maintenance

Description

The objective of this program is to minimize the discharge of pollutants through proper and cost effective operation and maintenance of the City's storm sewer system (inlets, pipes, ponds, stormwater management devices, outlets). General operations and maintenance efforts include inspections, cleaning, repairs, rehabilitation and reconstruction.

2025 Activities

In 2025, Public Works Sewer Utility continued to perform timely sewer system cleaning, inspection, and repairs citywide. This work included maintenance of City owned BMPs. The City experienced a cyber attack in 2025, and access to maintenance records have been impacted. Annual stormwater work continued to be performed and the cost estimates are provided below based on historical numbers.

Catch Basin Maintenance (approximately $300,000)

Manhole Maintenance (approximately $100,000)

Storm Drain Outfalls Inspection

A storm drain outfall is the point where the storm sewer system discharges to receiving waters. Outfalls are inspected on a 5-year schedule. Outfall inspections include an evaluation of the general condition of structure, determination of significant erosion and identification of any non-stormwater discharges. When indications of non-stormwater discharges are observed, they are reported to the appropriate City staff for follow-up investigation and resolution and reported to the Minnesota Duty Officer, as required. Any identified structural repairs or maintenance work is prioritized and scheduled within the constraints of available personnel, funding and coordination with other essential operations.

Storm Drain Outfalls Repair

In 2025, the Sewer Utility completed the rehabilitation water quality improvements of 19 outfalls at Como Lake and installation of multiple swirl separators and a StormFilter Manufactured Treatment Device. This was completed in response to the condition assessments obtained by televised inspections and field surveys in 2023 (cost $1,140,000).

Storm Outfall Assessment

In 2025, the Sewer Utility implemented a contract to televised and inspect 18 outfalls discharging to Lake Phalen. This project was to obtain a condition assessments of the outfalls for potential rehabilitation and stormwater quality improvements.

In 2025, the Sewer Utility advanced plans for televised inspection of the outfalls discharging to Beaver Lake to obtain preliminary condition assessment (5 outfalls in 2025) for future rehabilitative needs ($27,000). In 2026 the Sewer Utility advanced engineering analysis on potential retrofit of the outfalls ($24,000).

Stormwater Ponds

Saint Paul's stormwater ponding areas are constructed to collect and detain flows from storm events and in some cases to also improve water quality. These ponds are designed to reduce peak flow rates in downstream storm sewers. A map showing the stormwater ponding areas in the City of Saint Paul is found in the Appendix. The Appendix also contains the tributary area and design capacity for each of the City's ponding areas and a list of stormwater ponding areas by watershed. The City's stormwater ponding areas are inspected by Sewer Maintenance staff after major rainfall events. Routine maintenance is completed as needed based on the inspection results. Public Works developed written procedures and a schedule to evaluate pond performance. The written procedure is included within the Appendix of the SWMP.

The City implemented a program to evaluate its ponding areas for major sediment removal in 2002. This program involves an initial inspection, prioritization, survey, timber removal, sediment removal and inlet/outlet reconstruction. Major sediment removal took place in a majority of the City's ponds in the winters of 2002/2003, 2003/2004, 2013/2014, and 2017/2018. The estimated cycle for sediment removal from ponding areas is 20 years. Projects included re-installation of riprap at inlet and outlet structures and vegetation restoration by seeding and erosion control blankets. Sediment was tested and disposed of in accordance with state guidelines.

Flandrau-Case Pond

In 2025, Public Works completed the retrofit of Flandrau-Case pond. The retrofit provided an increase in infiltration capacity and provide greater volume attenuation during significant storm events (cost $600,000).

Kasota Ponds

In 2025, Public Works contracted out the surveying and investigation of the Kasota ponds. The goal of this investigation is to define key hydrologic and hydraulic characteristics to inform the best course for future pond management (cost $35,000).

Material removed from stormwater ponds, BMPs and catch basins by Sewer Utility: 950 tons ($30,000).

Structural Pollution Control Devices

Street Project BMPs

The city constructs water quality and volume control BMPs as required by the MPCA Construction Permit and Watershed District Rules. Since 2006, the City has constructed

BMPs, including infiltration trenches and rain gardens. In 2015, an inventory of constructed BMPs was developed and entered into the City's asset management system. BMPs will be added each year once as-builts are received. The BMPs are programmed to be cleaned annually, beginning in 2015. In 2025, the annual cost for self-performed maintenance of water quality and volume control BMPs was estimated to be $60,000.

As part of the Water Quality and Quantity Monitoring Program, a maintenance inspection is conducted on each of the BMPs that are monitored. This inspection includes documentation of sediment depth in the pre-treatment device, sediment depth in the infiltration gallery, depth of standing water in the infiltration gallery and observation notes.

Snelling-Midway Stormwater Reuse System
2020 was the initial year of operation for the stormwater reuse system at the Snelling-Midway Superblock. Collected and treated stormwater is utilized for irrigation in public and private areas, stormwater reuse capacity is also available for usage at future private developments adjacent to Allianz Field. Sewer Utility contracted with Capitol Region Watershed District (CRWD) for the operation of the reuse system. Annual operating expenditures were approximately $5,500. The 2025 Operation Report is included within the Appendix.

Snelling-Midway Tree Trench System
In 2025, the Sewer Utility contracted out the cleaning and televising of all tree trenches, sumps, and CDS units located at the Snelling-Midway site ($54,000).

Ford Structural Pollution Control Devices
In 2025, the Sewer Utility contracted out the cleaning of all sumps and hydrodynamic units located at the Ford site ($50,000).

Biofiltration Vegetation Maintenance
In 2025, the Sewer Utility committed to a Cooperative Maintenance program with CRWD. Through this program 8 basins throughout the City received vegetation maintenance/restoration ($58,000).

Staff Training

- City staff from multiple departments attended the Minnesota Water Resources Conference.
- City staff obtained certification for Inspection and Maintenance of Permanent Stormwater Treatment Practices.

2024-2025 Shaft and Tunnel Repair

In 2025, the Sewer Utility embarked on a various locations tunnel rehabilitation project. Improvements are being made to the Kellogg Boulevard system, Washington Street system and Saint Anthony Park Storm Tunnel. Construction timeframe spans 2024-2025, estimated construction cost is $2,800,000.

Pump Stations

The City has five stormwater flood control pump stations that are located along the Mississippi River. These pump stations provide interior drainage during flood events on the Mississippi River. In 2024, a rainfall derived river flood event required the operation of these pump stations. The stormwater flood control pump stations are inspected and operated twice per year. All of the stations are connected to the City's Supervisory Control and Data Acquisition system.

Broadway Pump Station

In 2018, the Sewer Utility embarked on an upgrade to the Broadway Sanitary Pump Station, which added a stormwater flood control pump station. The stormwater flood control pump station was installed to help mitigate temporary pumping operations required during a river flood scenario. Other improvements included the installation of a natural gas back-up generator. The project was completed in 2019 at a project cost of $1.6 Million.

Jackson Pump Station

In 2025, the Sewer Utility awarded a contract to advanced plans and begin construction to make the pump station more resilient to future flooding events ($2,500,000).

Levee System Pump Stations

In 2022, the Sewer Utility, via a consultant engineer, conducted a structural evaluation of three pump station control buildings associated with the levee system. Intent of the evaluation will be used to populate a rehabilitation plan to extend the useful life of the facilities. In 2023, the Sewer Utility analyzed the received structural evaluation and began efforts scoping out the rehabilitation priorities and schedules.

Custer Pump Station

In 2024, Sewer Utility via a consultant developed a hydraulic model to determine capacity capabilities and improvements.

Storm Sewer Inspection, Cleaning & Rehabilitation

- Downtown Televised Inspection: 1,900 L.F. of Storm Sewer ($30,000)
- Lexington/Maryland Televised Inspection: 45,800 L.F. of Storm Sewer ($95,000)
- Mackubin/Larpenteur Televised Inspection: 55,500 L.F. of Storm Sewer ($126,000)

MCM 6: Pollution Prevention and Good Housekeeping for Municipal Operations

6.2 Street System Operation and Maintenance

Description

The objective of the street sweeping program is to minimize the discharge of pollutants to the storm sewer system and receiving waterbodies by removing leaf litter, sediment and debris from streets and gutters before the materials and pollutants can be washed into storm drain inlets. The objective of the deicing program is to minimize the runoff of deicing materials applied to roadways under its jurisdiction, consistent with public safety and to properly store deicing materials.

2025 Activities

Street Sweeping

The City of Saint Paul conducts a street and alley cleaning program to promote the health and welfare of its citizens and to reduce the amount of pollutants to receiving waters from stormwater discharges. Sweeping is a major operation for the Street Maintenance Division and is done during the spring, summer and fall. Elgin Pelican mechanical sweepers handle the vast majority of the sweeping. An Elgin Crosswind regenerative air sweeper is utilized downtown almost every weekday.

Residential street spring sweeping activities occurred April 14, 2025 thru May 12, 2025. The primary material swept in the spring is debris from winter months. Fall sweeping occurred October 14, 2025 thru November 14, 2025. Typically, the fall sweep is timed so that a majority of the leaves are down and enough time is allowed to sweep all Saint Paul streets before the first snow. Due to the diversity of the tree canopy, fall leaf drop occurs over an extended timeframe. To compensate for this, "touch up" sweeping continues most years through November and early December. In the interest of continued improvement to our sweeping program, workers attend training and implement best management practices where available.

In 2025, the City (in partnership with RWMWD) performed additional enhanced street sweeping activities. This enhanced street sweeping covered 113 street miles throughout the City and was targeted towards high priority areas. In 2026, the City anticipates continuing this program throughout the 2026 season.

Street Sweeping Operations

Streets and alleys are divided into classes, each of which receives a different level of service as defined below:

Class I-A & B Downtown or Loop Streets

Downtown or loop streets are within the following boundaries: Kellogg on the south, 12th on the north, Broadway on the east and Main on the west. These streets are swept

approximately two times per week during the spring, summer, fall and winter as weather allows. All routine maintenance, including patching and repairing of street surfaces, is performed on an as-needed basis.

Class II - Outlying Commercial and Arterial Streets

These streets, which have business or commercial properties fronting on them, are the City's major arteries. They have heavy volumes of both vehicular and pedestrian traffic. Typical examples are University, Snelling, West 7th, East 7th, Rice, Payne, Arcade, Summit and Grand. Class II streets are typically swept or cleaned six to ten times annually on the following schedule: every two weeks in October and November for fall cleanup and every 3 to 6 weeks in April through September for Spring cleanup, litter, tree debris and sediment cleanup. Occasional winter sweeping is done if weather permits, and there are special events. All routine maintenance, including patching and repairing of street surfaces, is done on a scheduled or as-needed basis. The result of this shift in operations was less frequent sweeping between the spring and fall sweeps.

Class III - Residential Streets

In the spring, all residential streets, including oiled, paved, and intermediate streets, receive a thorough sweeping. Patching and repairing is done on a scheduled or as-needed basis. All existing paved and oiled streets are on the 8 year cycle chip seal list. No paved streets were chip sealed in 2025. Oil and sand sealing of oiled streets is no longer done. The City recycles the reclaimed chip seal rock. In the fall, streets are swept for leaf pickup. All material swept up during the fall cleanup is hauled to a State licensed disposal facility.

Class IV - Oiled and Paved Alleys

All oiled and paved alleys are swept during the late spring and summer. All routine maintenance, including patching and repairing of the alley surfaces, is performed on a scheduled or as-needed basis. All existing paved and oiled alleys are now on an 8-year cycle chip seal list. No alleys were chip sealed in 2025.

Class V and VI - Unimproved Streets and Alleys

Unimproved streets and alleys are right-of-ways that have not been developed. There are approximately 50 miles of unimproved streets and approximately 288 miles of unimproved assessed alleys in the City. Because they are City right-of-ways, the City has the responsibility to perform minimal repairs and maintenance work on them to make them passable and to reduce hazards. The maintenance and repair of these streets and alleys consists of patching, minor blading, and placing of crushed rock or other stabilized material.

Disposal

The materials collected from street sweeping are delivered to the City's Pleasant/View and Como/Western yards. The City's hauling contractor hauls the material away to have it screened

and disposed of properly. The contractor composts the organic materials, which are mostly collected in the fall sweep.

Street Maintenance has a Hazardous Waste Disposal Policy in place. Any hazardous materials collected from City streets are disposed of in environmentally acceptable means. In 2001, the sweepings collected from City streets and alleys were tested and found to be within the Environmental Protection Agency's guidelines for recycling purposes, after screening out waste and debris. Highlight Farm. Approximately 7 to 10% of swept up material is disposed of in a landfill. Street Maintenance also services over 440 trash receptacles and disposes of refuse from neighborhood cleanups each year.

2025 Street Sweeping Quantities (Cubic Yards)

Season	Spring/Summer	Fall
Totals	5,190	9,970

Snow and Ice Control

Minnesota weather conditions may require ice control from late September through early May. Frost forming on bridge decks is usually the first and last ice control event of the winter season. From early November through mid-April, the need for pavement treatment is determined by temperature and precipitation. Frequency of snow events through the winter season influences amounts of material used. The City's foremost objective is to maintain safe roads for all users. The consequences of icy roads are longer travel times, adverse economic impact, accidents and injuries.

Salt is the primary material used to melt snow and ice. Salt and treated salt is effective to 15°F and 0°F respectively, but factors such as darkness, continuing snow, type and quantity of precipitation, all reduce melting performance. Sand is sometimes used to enhance traction, usually when temperatures are below 0°F and snowfall amount is likely to be greater than 3 inches. Specific application rates are decided upon for each snow event and adjusted to the minimum amount necessary to achieve the desired results.

Saint Paul uses treated salt for pavement temperatures below 15°F and regular salt for temperatures from 15°F and above. Salt brine is used to pre-wet salt from the salt spreaders, making the salt more effective. The benefits of pre-wetted salt are better melting performance, less bounce, residual value and reduction in amount of salt used. All salt trucks are presently fitted with salt pre-wetting equipment. Public Works developed and adopted a formal Salt Management Plan in the fall of 2011.

Additionally, Saint Paul implements anti-ice technologies on major streets and bridges with salt brine prior to winter events. Anti-icing helps decrease the bond of snow and ice to the pavement. Anti-icing can be used as the primary tool to fight frost.

Typically 3 or 4 snow emergencies are declared during a typical winter. In 2025, the City developed a Chloride Management Plan for Municipal Operations that details out the policies, equipment, training, material storage, and annual assessment protocols. Documentation of these items can be found in the Appendix.

MCM 6: Pollution Prevention and Good Housekeeping for Municipal Operations

6.3 Park System Operation and Maintenance

Description

The objective of the park system operation and maintenance program is to minimize the discharge of pollutants to the storm sewer system and receiving waterbodies by removing leaf litter, sediment and debris from park areas before the materials and pollutants can be washed into storm drain inlets.

2025 Activities

The Parks and Recreation Department and the Department of Public Works have Clean Water Policies which are distributed, reviewed, and signed by all field staff. (See Appendix)

Snow and Ice Control

In 2025, the City developed a Chloride Management Plan for Municipal Operations that details out the policies, equipment, training, material storage, and annual assessment protocols. Documentation of these items can be found in the Appendix.

MCM 6: Pollution Prevention and Good Housekeeping for Municipal Operations

6.4 Municipal Facility Stormwater Pollution Prevention Plan Management

Description

The objective of this program is to minimize the discharge of pollutants by utilizing proper fleet and building maintenance practices, and proper operation and maintenance of parking lots and equipment and storage yards.

2025 Activities

The Parks Department and the Department of Public Works have Clean Water Policies which are distributed, reviewed, and signed by all field staff. (See Appendix)

Dale Street Facility Sediment Control Structure*:* Public Works hired WSB and Associates to complete a Facility Improvements Feasibility Report for four Public Works facilities and one Parks and Recreation facility. In 2012, a large pre-fabricated sediment control and collection structure was constructed at the Public Works' Dale Street Facility. This structure is inspected and cleaned as necessary.

***Parks and Recreation Wash Stations*:** Contracted with ESD Waste2Water, Incorporated to complete site visits and provide five proposals for installation of permanent or portable equipment wash stations. Parks will seek funding for future installation.

SWPPP Development: SWPPPs have been developed for the following properties:

- Sewer Maintenance (2018)
- Como-Western (2020)
- Dale Street (2025)

MCM 6: Pollution Prevention and Good Housekeeping for Municipal Operations

6.5 Stormwater Runoff Volume Reduction Plan

Description

The objective of this program is to conduct a study of how stormwater volume reduction practices will best fit into Saint Paul's overall goals of stormwater management for projects that disturb one acre or more. Volume reduction practices include infiltration, bio-infiltration, stormwater reuse, evapotranspiration, minimizing and disconnecting impervious surfaces.

2025 Activities

The City submitted its Volume Reduction Plan to the MPCA in January of 2015. This plan provided a summary of the City's volume reduction projects, identified opportunity sites and identified areas in the City where there are limitations on the construction of volume reduction BMPs.

In 2018, the City updated its Local Surface Water Management Plan. As a part of this planning effort, various ordinances were analyzed and revisions proposed. This will assist in future planning to meet the identified Proposed Activities and Implementation Schedule.
In 2025, Parks and Recreation, Public Works, Ramsey-Washington Metro Watershed District, Saint Paul Port Authority, and other partners, continued reviewing plans and began inspecting construction for the redevelopment of Hillcrest Golf Course that will aid in the installation of water quality improvement projects. Construction of the Hillcrest redevelopment site began in 2024.

In 2025, the Sewer Utility completed the retrofit of Bush-Desoto Pond for stormwater quality benefits. This retrofit included the addition of a hydrodynamic separator to provide a level of pretreatment to the pond. The extents of the pond were extended to maximize its size and increased the volume of infiltration.

In 2025, the Sewer Utility completed the retrofit of Flandrau-Case Pond stormwater quality improvements. These improvements will included the excavation of pond sediments, removal of vegetation overgrowth, and expansion of the pond area for iron enhanced filtration.

In 2025, Public Works contracted out the surveying and investigation of the Kasota ponds. The goal of this investigation is to define key hydrologic and hydraulic characteristics to inform the best course for future pond management.

MCM 7: Stormwater Runoff Monitoring

MCM Overview (Permit Section 27.15 thru 27.19):

The permittee must provide the information as it pertains to their stormwater runoff monitoring and analysis program required in Section 21. At a minimum, the permittee must include in the annual report the previous calendar year efforts to minimize inflow and infiltration, including but not limited to the information described in items 27.16 through 27.19. [Minn. R. 7090]

The permittee must provide any proposed SWMP modifications to substitute sources of monitoring and analysis data including a discussion of how the data will be utilized to demonstrate compliance with this permit and how it will characterize the nature of stormwater discharges. [Minn. R. 7090]

The permittee must provide any significant operational differences in monitoring and monitoring protocols as established in Section 21. [Minn. R. 7090]

The permittee must provide the results of the monitoring and sampling data analysis collected by the permittee, or any other entity on behalf of the permittee, including:

- estimated pollutant event mean concentrations;
- estimated total annual pollutant load to receiving water(s);
- estimated total annual volume to receiving water(s);
- estimated effectiveness (e.g., removal efficiency, load reduction, etc.) of structural stormwater BMPs; and calibration and verification of stormwater models. [Minn. R. 7090]

The permittee must provide a brief narrative description of the monitoring results collected by the permittee, or any other entity on behalf of the permittee, including data with tabulations, statistics, summary tables and graphics, by monitoring site with receiving water location description, including:

- continuous flow data;
- sample analytical data identified as storm composite or grab with corresponding flows and storm event periods;
- estimate of storm event rainfall which generated the sampled discharge including approximate duration between the storm event sampled and the end of the previous measurable storm event (greater than 0.10 inch rainfall);
- loading calculations: estimated annual and seasonal loads (total phosphorus, chloride, total suspended solids, volatile suspended solids, inorganic suspended solids by difference (TSS - VSS = ISS), and total nitrogen for the continuous monitoring stations;
- summary information for each site including drainage area and estimated annual total discharge volume, storm event discharge volume, storm event discharge values that were used to calculate event-scale pollutant loads, runoff yield (inches/year), analyte flow weighted mean concentrations and analyte annual mean concentrations; and

- a map showing receiving waters and representative land use management site locations as described in item 21.4. [Minn. R. 7090]

Annual Reporting:

Generation of a dedicated report detailing requirements of the Permit.

BMPs:

- 7.1 Monitoring Program

MCM 7: Stormwater Runoff Monitoring
7.1 Monitoring Program

Description

The objective of this program is to develop and implement a monitoring, analysis, and reporting program for stormwater leaving the MS4. Monitoring efforts could be combined with partner agencies including: adjacent municipalities, MPCA, Capitol Region Watershed District, Mississippi Watershed Management Organization, Ramsey-Washington Metro Watershed District, Metropolitan Council Environmental Services.

2025 Activities

Monitoring Program
The City of Saint Paul collaborated with CRWD on the 2025 Stormwater Monitoring Program. Sites monitored by CRWD include: outfalls, BMPs, lakes and ponds. Many sites are full water quality monitoring stations, while other sites capture level data. CRWD publishes their current Monitoring information on their website at: www.capitolregionwd.org.

In 2025, the City, through a consultant, conducted the Stormwater Monitoring Program. Below is a list of the range of Stormwater Monitoring. Electronic water monitoring equipment was used to collect water quantity and quality data on a continuous basis from stormwater BMPs, which included:

- Water level at 5 sites
- Flow volumes at 6 sites
- Composite water quality sampling at 6 sites
- Groundwater elevation at 1 locations

Analysis of the collected data generated valuable information related to the performance of each BMP. This information included:

- Average infiltration rates measured in the BMPs exceeded the rates recommended in the Minnesota Stormwater Manual and watershed district rules for specific soil types.
- The BMPs are more effective at reducing stormwater volume and pollutant loads to downstream water bodies than is currently being recognized by the watershed districts.
- The Dynamic Method for sizing volume reduction BMPs was shown to be more accurate than the Simple Method. Allowing the use of the Dynamic Method in demonstrating compliance with watershed district rules would generate significant cost savings to the public.

A comprehensive report summarizing the City's BMP monitoring program can be found on the City's Stormwater page at https://www.stpaul.gov/departments/public-works/sewer-utility-divison/stormwater.

In 2017, the City, through a consultant, participated in the formation of the Twin Cities Water Monitoring and Data Assessment Group. The group is formed from public-sector water resources practitioners as a way to establish and promote standard practices for: water quality monitoring, data analysis and data stewardship. The City's representative has continued to participate in this group on an annual basis.

Stormwater Runoff and Water Quality Modeling

In 2010, the City completed the first phase of a program that includes stormwater modeling, a citywide volume reduction inventory and plan to address stormwater on the street reconstruction projects. The modeling includes the development of an XPSWMM and P8 models. In 2025, modeling projects were completed in support of the sewer and street projects. The citywide modeling map is found in the Appendix. These models will be used by the City in the development of future stormwater programs and projects.

Pollutant Loading Calculations

The estimation of pollutant loadings from 2025 is found in the Appendix. Historically, pollutant loading calculations were offset by one year due to analysis timelines. With improvements in data management, the timeline needed for analysis has been reduced.

MCM 8: TMDL Program

MCM Overview (Permit Section 27.20):

The permittee must provide an assessment of progress toward achieving applicable WLAs, including a summary of implementation activities and BMPs to meet the requirements in Section 23. [Minn. R. 7090]

Annual Reporting:

Submission of forms to MPCA

BMPs:

- TMDL Program

MCM 8: TMDL Program

8.1 TMDL Program

Description

Stormwater runoff from Saint Paul is discharged to several surface waterbodies including the Mississippi River. Several of these have been listed on Minnesota's Impaired Waters List for having the presence of concentrations of certain pollutants identified at levels higher than Minnesota standards.

2025 Activities

A TMDL factsheet was created and made part of the City's water quality education programs in effort to educate the public on impaired waters within St. Paul. It was also made available to the public on the City's website. The factsheet defined TMDLs, identified the impaired waters located within St. Paul, and listed possible ways residents can aid in improving water quality. A pdf version of the factsheet can be found in the Appendix.

TCMA Chloride TMDL (Como, Battle Creek, Kasota Ponds West, Mallard Marsh)

- Participation in the Adopt-a-Drain Program.
- Participation in the Storm Drain Stenciling Program.
- Membership and Participation in Watershed Partners and Clean Water MN Public Education Program.
- Public Works equipment upgrades, advancements in de-icing technologies, and training.
- Cooperative Monitoring Program.

South Metro Mississippi River TSS TMDL

- Participation in the Adopt-a-Drain Program.
- Participation in the Storm Drain Stenciling Program.
- Membership and Participation in Watershed Partners and Clean Water MN Public Education Program.
- Public Works Street Sweeping Program.
- Public Works Pond Cleaning and Sump Cleaning Programs.
- Public Works Municipal Mitigation Program (Street Capital Improvements, Public/Private Developments).
- Cooperative Monitoring Program.
- Development & Redevelopment Mitigation Program (2025: Highland Bridge Site Redevelopment, Hillcrest Golf Course, other Private Site Plans).

Como Lake Excess Nutrients TMDL

- Participation in the Adopt-a-Drain Program.
- Participation in the Storm Drain Stenciling Program.
- Membership and Participation in Watershed Partners and Clean Water MN Public Education Program.

- Public Works Street Sweeping Program.
- Public Works Pond Cleaning and Sump Cleaning Programs.
- Cooperative Monitoring Program.
- Participation in Como In-Lake Management Plan
- Participation in Como Park Stormwater Master Plan.

Battle Creek TSS TMDL

- Participation in the Adopt-a-Drain Program.
- Participation in the Storm Drain Stenciling Program.
- Membership and Participation in Watershed Partners and Clean Water MN Public Education Program.
- Public Works Street Sweeping Program.
- Public Works Pond Cleaning and Sump Cleaning Programs.
- Cooperative Monitoring Program.

Fish Creek E. Coli TMDL

- Participation in the Adopt-a-Drain Program.
- Participation in the Storm Drain Stenciling Program.
- Membership and Participation in Watershed Partners and Clean Water MN Public Education Program.
- Public Works Street Sweeping Program.
- Public Works Pond Cleaning and Sump Cleaning Programs.
- Cooperative Monitoring Program.

Wakefield Lake Phosphorus TMDL

- Participation in the Adopt-a-Drain Program.
- Participation in the Storm Drain Stenciling Program.
- Membership and Participation in Watershed Partners and Clean Water MN Public Education Program.
- Public Works Street Sweeping Program.
- Public Works Pond Cleaning and Sump Cleaning Programs.
- Cooperative Monitoring Program.

Lake Pepin TSS TMDL

- Participation in the Adopt-a-Drain Program.
- Participation in the Storm Drain Stenciling Program.
- Membership and Participation in Watershed Partners and Clean Water MN Public Education Program.
- Public Works Street Sweeping Program.
- Public Works Pond Cleaning and Sump Cleaning Programs.
- Public Works Municipal Mitigation Program (Street Capital Improvements, Public/Private Developments).

- Cooperative Monitoring Program.
- Development & Redevelopment Mitigation Program (2025: Highland Bridge Site Redevelopment, Hillcrest Golf Course, other Private Site Plans).

Appendix

Minnesota Pollution Control Agency

National Pollutant Discharge Elimination System

Permit No. MN 0061263

April 2026

SAINT PAUL
MINNESOTA

2025 Budget	2025	2026	2027	2028	2029	2030
Storm Sewer Projects						
Stormwater Quality Improvements	$1,440,000	$1,000,000	$1,000,000	$1,000,000	$1,000,000	$1,000,000
Storm Sewer Tunnel Rehabilitation	$2,800,000	$3,500,000	$4,000,000	$4,000,000	$4,000,000	$4,000,000
	$4,240,000	**$4,500,000**	**$5,000,000**	**$5,000,000**	**$5,000,000**	**$5,000,000**
Storm Sewer Maintenance						
Storm Sewer Inspection,Cleaning & Repair	$694,529	$708,420	$722,588	$737,040	$751,781	$766,816
Pond-Levee Inspection & Maintenance	$132,381	$135,029	$137,729	$140,484	$143,293	$146,159
Catch Basin Inspection, Cleaning & Repair	$387,910	$395,668	$403,582	$411,653	$419,886	$428,284
Manhole Inspection, Cleaning & Repair	$100,652	$102,665	$104,718	$106,813	$108,949	$111,128
BMP Cleaning	$116,394	$118,722	$121,096	$123,518	$125,989	$128,508
Ford Site Green Infrastructure District	$54,000	$355,000	$355,000	$355,000	$355,000	$355,000
Snelling Midway Green Infrastructure District	$104,000	$115,000	$115,000	$115,000	$115,000	$115,000
	$1,589,866	**$1,930,503**	**$1,959,713**	**$1,989,508**	**$2,019,898**	**$2,050,896**
Stormwater Modeling & Monitoring						
Stormwater Modeling	$645,500	$200,000	$204,000	$208,080	$212,242	$216,486
Stormwater Monitoring	$147,463	$150,412	$153,421	$156,489	$159,619	$162,811
	$792,963	**$350,412**	**$357,421**	**$364,569**	**$371,860**	**$379,297**
Street Maintenance						
Street Sweeping	$8,431,910	$8,600,548	$8,772,559	$8,948,010	$9,126,971	$9,309,510
Enhanced Street Sweeping	$100,000	$100,000	$100,000	$100,000	$100,000	$100,000
	$8,531,910	**$8,740,548**	**$8,913,359**	**$9,089,626**	**$9,269,419**	**$9,452,807**
Public Education Program						
Storm drain stenciling including door hangers	$49,965	$50,000	$50,000	$50,000	$50,000	$50,000
MN Cities Stormwater Coalition	$6,460	$6,589	$6,721	$6,855	$6,993	$7,132
Cleanwater MN & Watershed Partners	$20,000	$20,000	$20,000	$20,000	$20,000	$20,000
Water Quality Messaging (No Parking Signs)	$3,000	$4,000	$4,000	$4,000	$4,000	$4,000
	$79,425	**$80,589**	**$80,721**	**$80,855**	**$80,993**	**$81,132**
Total Budget	**$15,234,164**	**$15,602,053**	**$16,311,214**	**$16,524,558**	**$16,742,169**	**$16,964,133**

2% used for annual inflation where projected amounts unknown

City of Saint Paul

Public Education and Outreach Work Plan

NPDES Permit MN0061263

Updated September 2025

2022 Stormwater Mural at Phalen Pavilion Park

1. (15.3(a, b, c, d) Multi-lingual program for residents and businesses to increase the level of awareness about stormwater runoff impacts to receiving waters. This activity must utilize a variety of communication tools and methods to reach target audiences and inform them of strategies to reduce pollutants in stormwater runoff. Educate the public, businesses, and commercial applicators on the proper application of pesticides, herbicides, and fertilizers and the benefits of retaining grass clippings and leaf litter on lawn surfaces. Educate developers and contractors on construction site and post-construction stormwater management BMP design, construction, and maintenance methods. Educate the public about impaired waters within the jurisdiction and the TMDLs developed to address the impairments.

   Specific Activities:

   a. **Friends of the Mississippi River Water Quality Education Program:** is implemented annually within Saint Paul. The target audience is groups of volunteers comprised of residents or community members (businesses, neighborhood groups, organizations). Major components of the program include: storm drain stenciling, distribution of door hangers, litter clean-up events, educational programs and workshops.

      Various stormwater runoff impact topics are presented through the Program including: pet waste disposal, leaves/grass impacts, litter/trash impacts, proper disposal of hazardous wastes, proper application of fertilizers, car washing techniques, salt application, etc.

   b. **Adopt-a-Drain Program:** is implemented annually within Saint Paul. The target audience are individual property occupants within Saint Paul. Major components of the program include: marketing of the Program, distribution of door hangers, distribution of welcome packets/signs, and collection of data.

      Various stormwater runoff impact topics are presented through the Program including: pet waste disposal, leaves/grass impacts, litter/trash impacts, proper disposal of hazardous wastes, salt application, etc.

   c. **Watershed Partners and Clean Water Minnesota:** is a collaborative outreach project and coalition providing resources to member organizations to aid in water quality education. The City of Saint Paul is member of this organization, and annually contributes financial resources to the coalition. The target audience is residents and community stakeholders of the member organizations including watershed districts, cities, counties, higher education, etc.

      Various stormwater runoff impact topics are presented through the Program including: lawn care techniques, urban agriculture, native planting/restoration, environmental health, etc. Additionally, the organization sponsors the clean water exhibits at the Minnesota State Fair.

d. **No-Parking Sign Water Quality Message:** on an annual basis, the City incorporates a water quality message on the back of No-Parking signs. The temporary No-Parking Signs are used citywide to prevent parking during programmed street sweeping, snow removal and street repair activities. The message advocates for keeping storm drains clear to prevent localized flooding and to promote knowledge of impacts to water quality in the Mississippi River.

e. **Pesticide and Fertilizer Applicator Licensing**: The Department of Safety and Inspections maintains a City Ordinance (Chapter 377) and Licensing system for pesticide and fertilizer applicators.

f. **Utility Coordination Meeting:** is held annually to present information related to various utility and street improvement projects occurring within the City limits. The target audience for this meeting is contractors, city staff, and utility companies.

   Various stormwater runoff impact topics are presented at this Meeting including illicit discharges and erosion and sediment control measures. Also made available at this meeting is a document detailing Erosion and Sediment Control for Utility Projects in the Right-of-Way.

g. **Chapter 52- Stormwater Runoff Ordinance:** is enforced for development projects occurring in the City. The target audience for this Ordinance is developers and city staff.

   Various stormwater runoff impact topics are presented within this Ordinance including: temporary erosion and sediment control devices and maintenance, permanent stormwater BMPs, rate control, etc. The Ordinance is applied by the City's Site Plan Committee at the time a development seeks City approvals. The Site Plan Committee uses the review as a forum to educate about temporary and permanent stormwater controls.

h. **TMDL Fact Sheet:** the City with the assistance of FMR developed a TMDL fact sheet, which is distributed at various events and available via the public website.

i. **Waterfest:** is an annual event held at Phalen Regional Park for an engaging way to improve public awareness on why stormwater is important, and what can be done to help keep receiving waters clean. People of all ages attend the event.

2. (15.4) Conduct communication and outreach to inform the public, business, and industry on identifying illicit discharges and connections to the MS4; the hazards associated with illicit discharges and connections to the MS4; methods to report illicit discharges and connections to the MS4; methods to prevent illicit discharges and

connections to the MS4; and containment response to illicit discharges and spills into the MS4.

Specific Activities:

a. **Friends of the Mississippi River Water Quality Education Program:** is implemented annually within Saint Paul. The target audience is groups of volunteers comprised of residents or community members (businesses, neighborhood groups, organizations). Major components of the program include: storm drain stenciling, distribution of door hangers, litter clean-up events, educational programs and workshops.

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   Various stormwater runoff impact topics are presented through the Program including: lawn care techniques, urban agriculture, native planting/restoration, environmental health, etc. Additionally, the organization sponsors the clean water exhibits at the Minnesota State Fair.

d. **Chapter 51- Allowable Discharges to the Storm Sewer System:** identifies allowable discharges and enforcement actions for illicit discharges.

   Various stormwater runoff impact topics are presented within this Ordinance including: temporary erosion and sediment control devices and maintenance, permanent stormwater BMPs, rate control, etc. The Ordinance is applied by the City's Site Plan Committee at the time a development seeks City approvals. The

Site Plan Committee uses the review as a forum to educate about temporary and permanent stormwater controls.

e. **Illicit Discharge Video:** the City collaborated with various MS4s on the development of a public-facing illicit discharge video (English and Spanish) posted on the City's website.

f. **StormDrain@ci.stpaul.mn.us:** A storm drain email is available on the City of Saint Paul's website as an easy way for anyone to report an illicit discharge. Illegal dumping on private property can be reported to the City's Department of Safety and Inspections (DSI).

3. (15.5) Distribute educational materials or equivalent outreach to educate the public and commercial applicators on the impacts of de-icing salt on receiving waters; methods to reduce the use of de-icing salt; and proper storage of salt and other de-icing materials.

   Specific Activities:

   a. **Friends of the Mississippi River Water Quality Education Program:** is implemented annually within Saint Paul. The target audience is groups of volunteers comprised of residents or community members (businesses, neighborhood groups, organizations). Major components of the program include: storm drain stenciling, distribution of door hangers, litter clean-up events, educational programs and workshops.

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d. **No-Parking Sign Water Quality Message:** on an annual basis, the City incorporates a water quality message on the back of No-Parking signs. The temporary No-Parking Signs are used citywide to prevent parking during programmed street sweeping, snow removal and street repair activities. The message advocates for keeping storm drains clear to prevent localized flooding and to promote knowledge of impacts to water quality in the Mississippi River.

e. **Snow Summit:** the City of Saint Paul hosts an annual Snow Summit each fall, which is free event to help residence prepare for winter. A display on chloride includes information on the impact of chloride, effects on receiving waters, ways to reduce use of deicing salt, and strategies for proper storage.

4. (15.6) Distribute educational materials or equivalent outreach to educate the public on the impacts of pet waste in receiving waters, strategies for proper pet waste disposal, and information on existing regulatory mechanisms.

   Specific Activities:

   a. **Friends of the Mississippi River Water Quality Education Program:** is implemented annually within Saint Paul. The target audience is groups of volunteers comprised of residents or community members (businesses, neighborhood groups, organizations). Major components of the program include: storm drain stenciling, distribution of door hangers, litter clean-up events, educational programs and workshops.

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b. **Stormwater Fact Sheet:** the City developed a one-page fact sheet to communicate information on various stormwater topics, including pet waste and the various ordinances. The information includes impact of pet waste in the receiving waters, instructions on how to properly dispose pet waste, and information on the regulations.

5. (15.7) Develop and implement an education and outreach plan that includes specific activities to meet the requirements of items 15.3 through 15.6; target audiences for each activity; measurable goals to increase awareness, increase understanding, acquire skills and/or behavior changes; description of coordination with other stormwater education and outreach programs; annual evaluation of measurable goals and target audience attained; and responsible municipal staff.

   Specific Activities: the City developed a Public Education and Outreach Work Plan.

6. (15.8) Documentation of information required in the public education and outreach plan (section 15.7), logistical information for activities held, quantities and descriptions of educational materials distributed, estimated audience, and any modifications made to the program.

   Specific Activities: the City receives annual reports from FMR, Adopt-a-Drain, and Watershed Partners. These annual reports contain information on distributed materials, participation numbers, volunteer hours, etc.

7. Measurable Goals:

- Assess ongoing public education activities and identify additional opportunities for coordination. Develop plan for implementation including identification of target audiences, educational goals for each audience and activities to reach goals. This plan will address non-stormwater discharges, proper application of pesticides and fertilizers and proper management of pet waste, leaves and grass clippings
- Provide monetary support to the Metro Watershed Partners Clean Water Minnesota Campaign
- Contract with Friends of the Mississippi River to deliver a Water Quality Education Program to citizens of Saint Paul
- Contract with the Center for Global Environmental Education to administer the Adopt-a-Drain Program
- Provide training for various utility and street construction representatives via the City's Utility Coordination Meeting
- Provide information on current ordinances related to stormwater management via the City's Site Plan Review Committee
- Participate, sponsor or administer public education events within Saint Paul (Waterfest, Snow Summit, Safe Summer Nights, etc.)
- Plan and organize the Spring Parks Clean-up

WATERSHED
PARTNERS

Metro Watershed Partners

2025 Annual Program Report

Metro Watershed Partners is a coalition of more than seventy public, private and non-profit organizations in the Twin Cities metro area. Through collaborative education and outreach, the Metro Watershed Partners promote a public understanding that inspires people to act to protect water in their watershed. Since 1996, partners have cooperated through educational projects, networking, and resource sharing.

MINNESOTA WATER
LET'S KEEP IT CLEAN

Table of Contents

Metro Watershed Partners - Introduction and Leadership

Introduction

Metro Watershed Partners is a coalition of more than seventy public, private and non-profit organizations in the Twin Cities metro area. Through collaborative education and outreach, the Metro Watershed Partners promote a public understanding that inspires people to act to protect water in their watershed. Since 1996, partners have cooperated through educational projects, networking, and resource sharing.

The mission of the Metro Watershed Partners is two-fold:

- to provide and promote collaborative watershed education programs with consistent messages to the general public, local government staff and elected officials, and
- to provide WSP members a place and means to share information, generate ideas, and coordinate and support collaborative watershed education programs.

In 2025, members contributed $184,334 to support monthly meetings, exhibit checkout, the Minnesota State Fair outreach exhibit, the Low Salt, No Salt, MN toolbox and Winter Salt Week, a digital resource library, Adopt-a-Drain, administrative functions, and the Clean Water Minnesota outreach campaign.

Steering Committee

The work of **Metro Watershed Partners** is guided by a steering committee that includes stormwater education professionals from watershed organizations, nonprofits and government agencies. In 2025, our steering committee members were:

- Angie Hong, Washington Conservation District
- Ann Zawistoski, Hamline University, Center for Global Environmental Education
- Brita Moore-Kutz, Vermillion River Watershed Joint Powers Organization
- Carrie Magnuson, Ramsey-Washington Metro Watershed District
- Jessica Miller, Dragons Wynd Entomology Outreach
- Kris Meyer, Freshwater (retired in June, 2025. Thank you, Kris!)
- Alex Van Loh, Freshwater
- Kristin Seaman, City of Woodbury
- Sofie Wicklund, Hamline University, Center for Global Environmental Education
- Tracy Fredin, Hamline University, Center for Global Environmental Education

Metro Watershed Partners Activities and Accomplishments

Monthly Meetings, Networking and Learning

The Watershed Partners hold monthly meetings that give members an opportunity to network, share information, generate ideas, and form partnerships. These meetings feature presentations by experts in the fields of education, legislation, marketing, and watershed management.

In 2025, The Watershed Partners held 10 meetings, five of which were held virtually via Zoom and five held in person, with an average of 27 members attending each meeting. While our Zoom meetings tend to have a higher attendance, we plan to continue to meet alternating virtually and in-person after receiving feedback from partners that this model works well, to facilitate networking and provide a forum in which the most people can participate. The Zoom format allows us to record and share the presentations to those who were not able to attend and can be found on our YouTube playlist. We were thrilled to be able to once again come together in person in December for our annual year-end potluck, which was graciously hosted by the Mississippi Watershed Management Organization.

Our monthly meetings are a valued part of the Watershed Partners program that facilitates professional development, networking and co-learning. We will continue offering these monthly gatherings in 2026, both virtually and in person.

On the annual boat ride on the Mississippi River in June, 2025.

2025 Watershed Partner Meetings - Topics and Presenters

Hyperlinks to the meeting recordings are provided when available

Month	Topic	Presenters	Attendance
January	Orient to the year, Winter Salt Week, subcommittee meetings	Ann Zawistoski & Sofie Wicklune, Hamline University	21
February	Legislative Update	Aaron Klemz, MCEA Carly Griffith, MCEA	26
March	We Are Water MN	Jana Larson, MPCA	27
April	K-12 Teacher Programming (in person at Urban Growler)	Lori Haak, City of Eden Prairie Kris Bennet, Hamline University	13
May	Art and Water	Sarah Nassif, Artist in Residence at MWMO	28
June	June Boat Ride (in person on Magnolia Blossom River Boat)	Christy Marsden, Community Climate Leaders Abby Moore, MWMO	68
September	MS4 Resources and Requirements (in person at CRWD)	Angie Hong, Washington Conservation District Grace Barcelow, Hennepin County	24
October	Sacred Water Shared Future Campaign	Cassie Champion, Met Council Environmental Services	22
November	Small-Scale DEI at Local Government Level (in person at Hamline)	Jason Weinerman, BWSR	23
December	End of Year Potluck (in person at MWMO)	Ann Zawistoski & Sofie Wicklund, Hamline University (plus various contributors to Lightning Round presentations)	17

Mobilize

The Metro Watershed Partners listserv is a forum for watershed educators and other industry professionals throughout the state to share information and resources. In 2025, the Metro Watershed Partners listserv provided 332 members with an effective tool to promote watershed education, share information about professional programs, and exchange information with other watershed educators, legislators, and government agencies.

Our listserv is hosted by Mobilize.io, an online interactive communications platform for discussions, chat, events, files, and networking that is accessible online, via email, and mobile app.

The listserv can be found at:
https://watershedpartners.mobilize.io

Messages can posted online to a feed or sent via email:
watershed-partners@groups.mobilize.io

This is a private forum and anyone who would like to be added to the Mobilize group should send an email request to swicklund02@hamline.edu.

Watershed Partners Subcommittee Groups

In 2025, four subcommittee groups became more established: the Digital Resources committee, the K-12 Resources committee, the CARE committee, and the Chloride Engagement committee. Subcommittees began meeting every other month during the regular Watershed Partners meetings. The CARE committee had an additional meeting on the second Thursday of each month from 1:00-2:00PM. In 2025, the Chloride Engagement committee had an additional meeting on the second Wednesday of each month from 8:45-9:30AM.

Digital Resources Library:

- Aim: working on compiling a robust digital resources library for partners to access high-quality content for communications and social media
- Point of contact: Ann Zawistoski, azawistoski01@hamline.edu

K-12 Resources:

- Aim: working on resource-sharing around K-12 programming and outreach, and bringing K-12 related topics to meetings
- Point of contact: Sofie Wicklund, swicklund02@hamline.edu

CARE (Culturally Aware and Relevant Engagement):

- Aim: working on infusing CARE practices into collaborative community engagement work around water stewardship through critical conversations and meeting topics
- Point of contact: Alex Van Loh, avanloh@freshwater.org

Chloride Engagement:

- Aim: working on hosting the Low Salt, No Salt MN campaign and providing resources and partnership around the annual Winter Salt Week program
- Points of contact: Jessica Vanderwerff Wilson, jwilson@edinamn.gov and Grace Barcelow, grace.barcelow@hennepin.us

Sacred Water Shared Future Campaign in 2026

The Watershed Partners is supporting involvement in the Sacred Water Shared Future campaign that will be happening throughout the entire 2026 calendar year. In 1926, the Mississippi River was declared effectively dead in the Twin Cities. A century of collective action brought it back to life. In 2026, we celebrate that progress and inspire the next 100 years of stewardship. Watershed Partners members are invited to visit the campaign website for further information on getting involved and supporting events throughout the year.

Exhibit Checkouts

The Metro Watershed Partners offers multiple exhibits that can be checked out for free by partners and volunteer groups. Some have a general watershed and nonpoint source pollution focus, including Tables 2 and 3 (pictured below) and the Eutrophication exhibit-in-a-box. We also offer an Adopt-a-Drain tabletop exhibit and a bean bag toss game (with both full size and mini tabletop versions available).

In 2025, our exhibits were used for at least 19 community events in Watershed Partners service areas. In addition to exhibits, you may request free Adopt-a-Drain handouts for your event, and swag items (hats, water bottles, tote bags, etc) are available for purchase.

View more information about exhibit checkouts below, or by visiting cleanwatermn.org/partners/exhibit-check-out/.

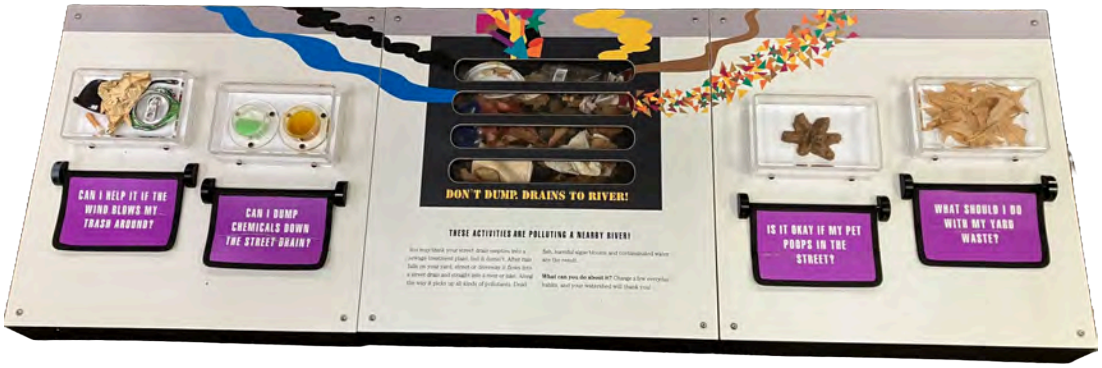
Eutrophication Exhibit-in-a-Box

The Eutrophication tabletop exhibit is a portable folding suitcase-style exhibit featuring key messages and information about how leaves and grass can make lakes and rivers green, and how that impacts aquatic life.

Table 2: "What is your Watershed Address?"

"What is Your Watershed Address?" (also known as "Table 2") defines a watershed and allows Minnesotans to locate the watershed in which they live on two maps: (1) A statewide map with puzzle pieces in the shape of the watersheds of Minnesota; (2) A metro area map with puzzle pieces in the shape of the watersheds of the Twin Cities area. The Central Graphic panel gives information about watersheds in general and depicts the larger watersheds of the US.

Table 3: “Your Street Flows to the River”



“Your Street Flows to the River” (also known as “Table 3”) exemplifies how everyday activities in our own yards and driveways can impact the entire watershed. Many people are unaware that the water that flows into the storm drains in their street goes directly into the lakes and rivers of their community and carries with it the pollutants that cause the lakes and streams to become fouled. Fits on a 6 foot table and consists of three panels.

Adopt-a-Drain Exhibit-in-a-Box

The Adopt-a-Drain Tabletop exhibit is a portable folding suitcase-style exhibit that features key nonpoint source pollutants and explains how they impact water quality, along with messages and calls-to-action for joining the Adopt-a-Drain program.

Adopt-a-Drain Bean-Bag Toss Game – Full Size and Mini Versions

An Adopt-a-Drain bean-bag toss game with blue “water droplet” bean bags is great for outdoor events! The wooden board features a storm drain design with a hole for the “water droplets” and messages about “only rain down the drain”. Both a full-size version (4 ft. x 2 ft.) and a mini tabletop version (2 ft. x 1 ft.) are available for checkout.

Clean Water MN Update

Clean Water MN is the collaborative outreach project of the Metro Watershed Partners. Working together, we provide resources, training, and support to partners as they work to inspire residents in the Twin Cities metro area to keep water clean and healthy.

The cleanwatermn.org website features informational pages, calls to action, outreach materials, information about the partnership, educational resources, an archive of seasonally-appropriate stories, and a list of our partners. The Clean Water MN website continues to be visited, having received 10,892 views in 2025, an increase of nearly 50% (48.6%) over 2024.

Low Salt, No Salt Minnesota Hosting Migration to Clean Water MN

In July, 2025, the Low Salt, No Salt Minnesota platform and toolbox were migrated to the cleanwatermn.org site, as the Metro Watershed Partners will now take on the hosting for this platform. This was done in partnership with the new Chloride Engagement subcommittee.

Top 5 Pages on Clean Water MN by number of views in 2025

Page	Number of views
Using Sidewalk Salt Responsibly	1,638
Resources Archive - Clean Water Minnesota	647
Is my lake safe? Learn what to look for to answer this question.	579
About Us	552
Low Salt, No Salt MN **	490

***The Low Salt, No Salt MN page was published on July 30, 2025.*

Digital Resources Library

New in 2026: ResourceSpace

As the social media landscape has evolved, the needs of the Metro Watershed Partners have shifted as well. Platforms are now prioritizing native video and image content and deprioritizing links to external content. In response, we spent the latter half of 2025 populating a robust digital resource library platform called ResourceSpace. This platform will be launched in January, 2026, and will facilitate the curation and sharing of high quality images, videos, and other materials. ResourceSpace also allows for content to be searched by multiple different keywords.

The Digital Resource Library is expected to be available for Watershed Partners in early 2026. Watch for an email with instructions and login information.

2025 Metro Watershed Partners Member Survey

In late 2025, a survey was sent to all Watershed Partners members to gauge their feedback on four main categories of membership: meetings, topics, resources and general feedback. This survey was intended to gather information to help inform priorities for 2026 and beyond. There were 19 respondents to this survey. Below is a summary of results, with the caveat that specific requests or identifiers were kept confidential for privacy. A more comprehensive breakdown of results was shared at the January 2026 Watershed Partners meeting.

Meetings

Respondents reported liking the current mix of roughly half of the monthly Watershed Partners meetings held virtually and half of the meetings in person. Respondents tended to reflect that they were often able to engage better at in-person meetings being face-to-face, but also liked having the virtual option for accessibility and ease of attendance. **In-person meeting location recommendations:** Respondents mentioned checking with city partners about meeting room availability. Respondents requested meetings that alternate around the metro, so no one is always having to drive a long way. Respondents suggested local nature centers as another option.

Topics

When asked their favored meeting topics from 2025, respondents selected a fairly even spread. The highest scoring topics were chloride engagement and intersection of art and water.

Breakdown (respondents could select more than one): Chloride engagement (13), Intersection of art and water (13), We Are Water MN (10), DEI at local government level (10), Community Climate Leaders (10), Sacred Water Shared Future (9), MS4 resources and requirements (9), K-12 programming (8), Legislative update (7). When asked their suggested ideas for 2026 meeting topics, the suggestion that appeared the most (four times) was around Traditional Ecological Knowledge (TEK) and Indigenous connections. Other topic ideas included: Ways to enliven public input opportunities (art or something else); Highlighting projects in the metro; Wildlife/habitat corridors; Metro Water Resource Recovery Facility (Metro Plant) tour; Upcoming ADA website accessibility requirements; Project WET applications; and Event attendance - spreading the word about events, taking steps to boost attendance, increasing likelihood of attendees from target group(s) for subject.

Resources

When asked about existing resources they find most helpful, respondents selected a fairly even spread. Breakdown (could select all that apply): WSP listserv (13), Adopt-a-Drain outreach materials (11), Physical exhibits for checkout (8), cleanwatermn.org website resources (8), Shared photo library (6). When asked their suggested ideas for other resources for WSP to consider, ideas included: Media relations resources for clean water topics that apply to all WSP partners (ie. hazardous algal blooms, chloride, climate change, flooding); Social media graphics; Multiple requests for templates that can be used and edited by partners to meet MS4 requirements and include MS4 topics; Interest in using/revitalizing CWMN blog posts or other resources; Strengthen access to arts-engaged outreach programming; WSP leading campaigns about seasonal clean water practices that incorporate art/artists as a way to draw attention to ongoing challenges being tackled by partners and to unify messaging; and Katie Black's "Climate Change Tool Pack & Conversation Strategies for Adaptation" presentation/resources.

Other general feedback:

General themes emerged in this open feedback category around highlighting what we are already doing well, while looking ahead to what would help partners best meet their MS4 needs and collaboration opportunities, including what the long-term vision for the group is and how we can continue refreshing our vision. Additionally, requests were made for supporting new resources and tools for members, especially MS4-related, along with a few specific ideas for collaboration with other local groups and entities (Blue Thumb, Twin Cities Water Monitoring and Assessment Group).

Adopt-a-Drain Program

Activities & Accomplishments in 2025

Adopt-a-Drain continues to expand throughout greater Minnesota, with the city of Alexandria and the Rainy Headwaters-Vermilion watershed joining the Adopt-a-Drain program, and the Cities of Prior Lake and Shakopee joining the Metro Watershed Partners (which includes Adopt-a-Drain membership) in 2025. Statewide in 2025, there were 1,955 new volunteer signups and 4,001 additional storm drains adopted.

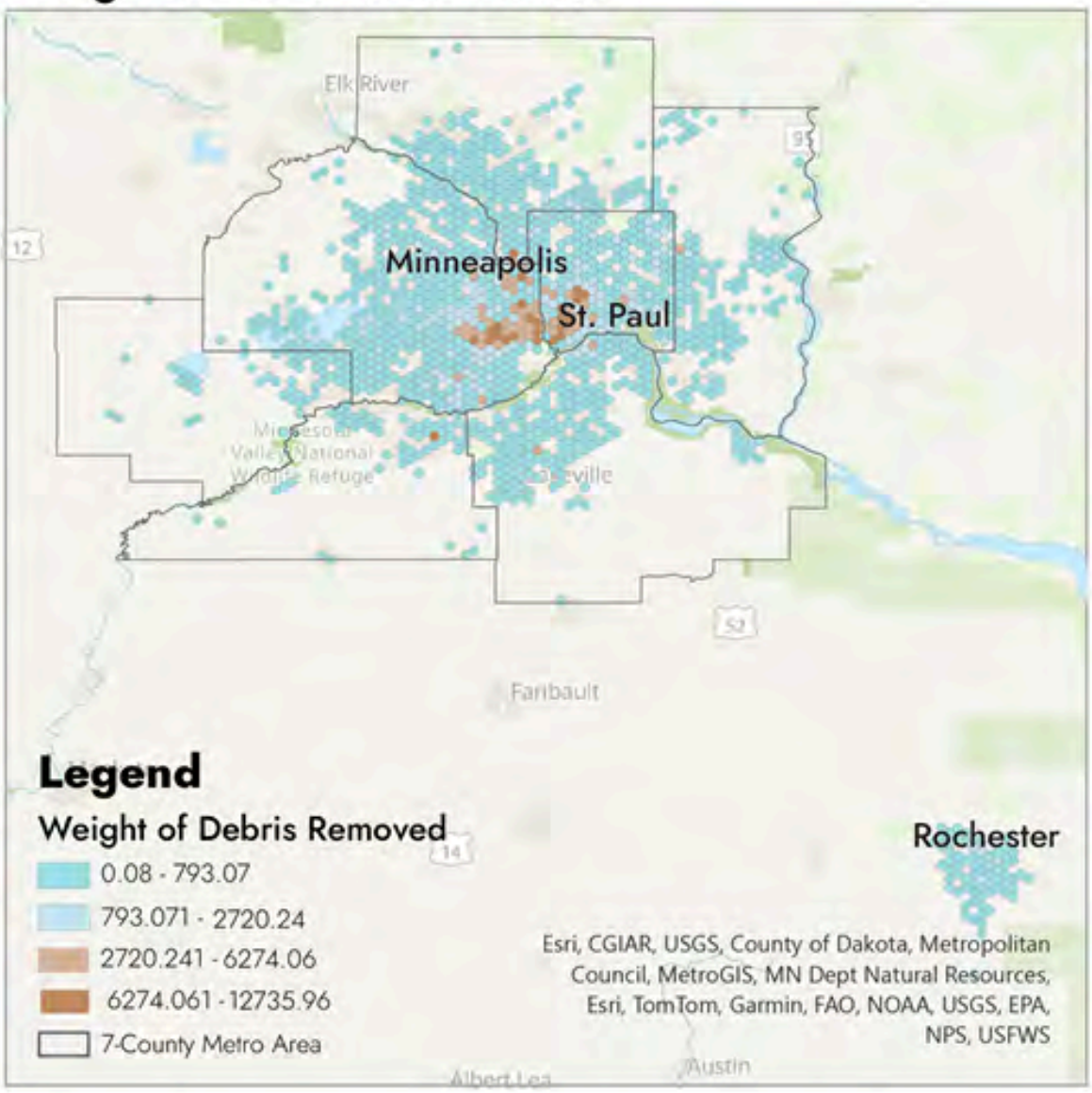
In the Metro Watershed areas, we continue to see a steady growth in the program year over year by all measures. The number of new participants grew by 16% or 1,757 since the beginning of 2025. Over 115,500 lbs of debris were cleared by Metro Watershed Partner Adopt-a-Drain participants this year. 3,369 members reported their work, for a reporting rate of 24%. Participants spent a combined total of 3,221 hours, or 134 days, keeping their streets and storm drains clean.

In November, 2025 the Adopt-a-Drain program reached a major milestone of 1 million pounds of debris collected by Adopt-a-Drain participants! Minnesota debris amounts accounted for well over 900,000 pounds of that total.

Adopt-a-Drain's Impact in the Metro Twin Cities

The following map on page 15 shows the impact of the Adopt-a-Drain program throughout the Twin Cities Metro area and Rochester, in the context of weight of debris removed from May 2019 to November 2025. While much of the debris was removed from urban areas, there have been cleanings reported across all counties in the seven-county metro area.

Weight of Debris Removed



Data is collected from May 2019 - November 2025

0 16 32 64 Miles

Scale: 1:1,500,000

2025 Adopt-a-Drain Metrics for Metro Watershed Partners

Debris Type Removed	Amount (lbs)
Brown Leaves	63,214.80
Grass and Green Leaves	7411.4
Sediment and dirt	34,095.1
Trash	10,491
Pet Waste	47.8
Salt	251.3
TOTAL	**115,511.40**

Monthly Breakdown of Storm Drain Adoptions and Cleanings

Month	New Participants	Drains Adopted	Debris collected (lbs)	Time spent (hrs)	Number of Drains Cleaned
January	60	190	19,548.4	674.1	929
February	25	57	1,083.1	72.3	344
March	80	228	4,768.0	172.6	694
April	186	372	6,751.9	190.9	894
May	128	288	13,777.3	287.4	1,020
June	95	281	13,173.0	200.2	931
July	127	369	4,316.7	157.0	896
August	664	855	5,173.4	142.1	926
September	150	352	5,163.4	138.6	859
October	152	301	7,259.0	206.7	981
November	64	163	23,681.8	591.5	1,645
December	26	99	10,815.8	388.1	669
TOTALS	**1,757**	**3,555**	**115,511.4**	**3,220.8**	**5,666**

Adopt-a-Drain Partner Newsletter

As our number of partners grows across the country, we have created a partner newsletter to communicate with national partners about updates to the program as well as sharing outreach ideas and resources. You can sign up for the newsletter online.

Winter Salt Week

Along with taking over the hosting for the Low Salt, No Salt MN platform, in 2025, the Metro Watershed Partners also began partnering on Winter Salt Week, an annual, multi-state campaign that includes a week each January dedicated to raising awareness around salt pollution and reduction solutions. In 2025, Winter Salt Week was January 27th-31st. The Adopt-a-Drain team sent Winter Salt Week information to over 14,000 Adopt-a-Drain volunteer participants on the Adopt-a-Drain Mailchimp list. This email had a 50% open rate and generated 252 clicks on the Winter Salt Week website from that email, indicating that using these existing, engaged participants can be very beneficial in building up engagement around other related water quality efforts. The Watershed Partners will continue partnering on Winter Salt Week programming through Low Salt, No Salt MN in 2026.

Stormwater Awareness Week

In September, 2025, the Adopt-a-Drain program promoted Stormwater Awareness Week to participants, and also put together a press release and social media materials kit to help jurisdictional partners share the message and inspire action in their communities. These resources were shared to partners via the Adopt-a-Drain partner newsletter on Mailchimp. As with Winter Salt Week, we are using these connections and existing committed volunteers to build up engagement in our participant base around other water quality efforts.

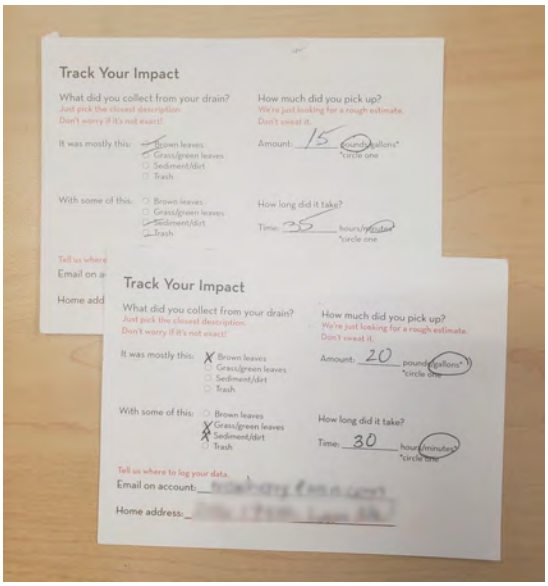
Minnesota Twins Game

On Saturday, April 26th, 2025, we held an appreciation event at the Minnesota Twins game for the Metro Watershed Partners and our Adopt-a-Drain participants. Over 220 Adopt-a-Drain program volunteers bought reduced rate tickets in our section of the stadium. These volunteers were notified about the opportunity via the Adopt-a-Drain Mailchimp email list. We were able to participate in a pre-game parade around the field, and free Adopt-a-Drain hats were provided to everyone in our section. Over 150 free tickets were provided to Watershed Partners members and local teachers who had participated in the Adopt-a-Drain K-12 program that year!

End of year reporting postcards

Throughout the year, Adopt-a-Drain participants are encouraged to stay engaged and report their work via timely newsletter reminders and automated email reminders that send on a schedule chosen by the participant (monthly, quarterly, or twice per year).

In November, we sent a postcard to all participants who had not yet reported their work online. As of mid-January, 2026, we received an additional 500 (and counting) responses from Minnesota participants.

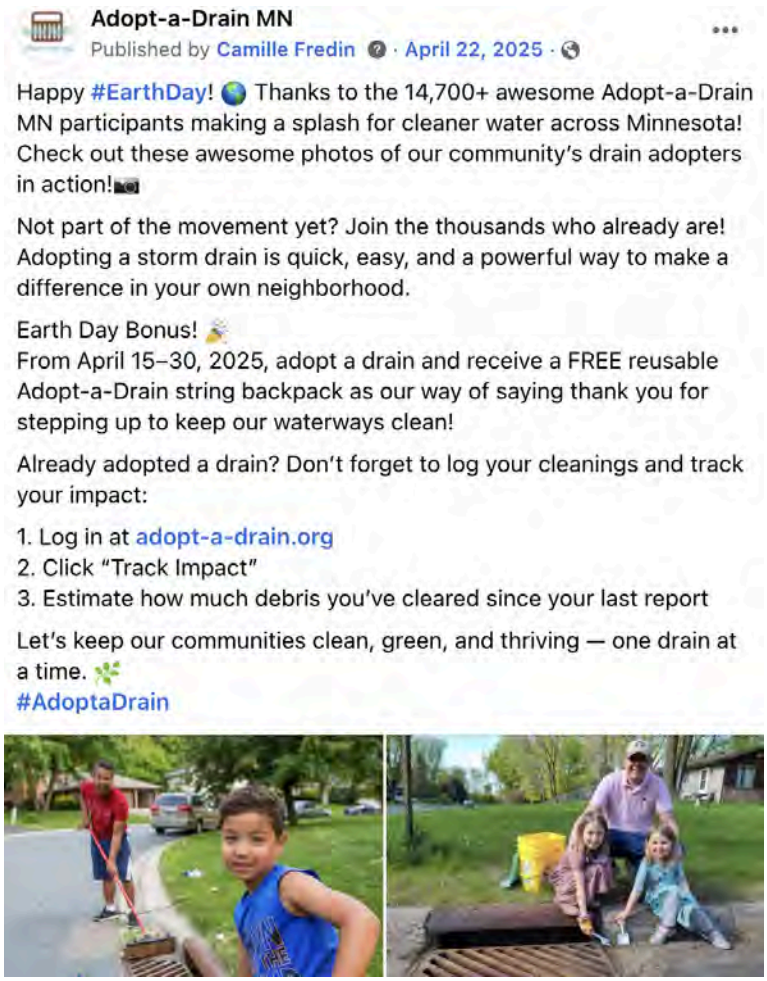


Social Media Promotion in 2025

In 2025, our Social Media team focused on posting high-quality and consistent content across all of our social media platforms. We implemented strategic tactics to gain followers, increase engagement, and reach a large audience on all of our Adopt-a-Drain social media accounts. At the end of 2025, we had 2,501 Instagram followers and 1,906 Facebook followers, an increase of 6% and 8% respectively over 2024. The content focused on spotlighting awesome drain adopters who help keep their local waterways and communities clean.

For Earth Day, we created a social media campaign that encouraged people to adopt a drain by offering a free reusable bag for any current or new drain adopter who adopted a new drain during Earth week (April 15 to April 30). This led to 290 people adopting a new drain (85 of whom requested a reusable drawstring bag) and 425 new drains being adopted.

In 2026 we will continue to focus on posting high-quality and consistent content as we strive to educate and engage our current audience and simultaneously continue to reach new audiences.

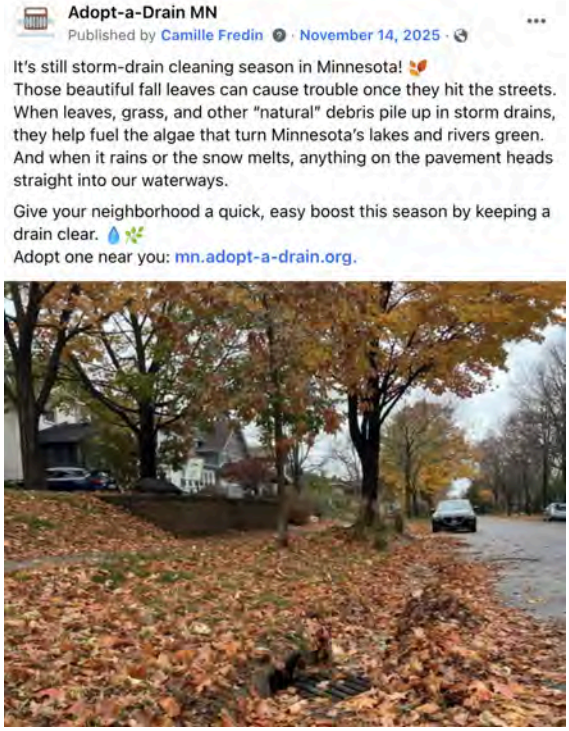


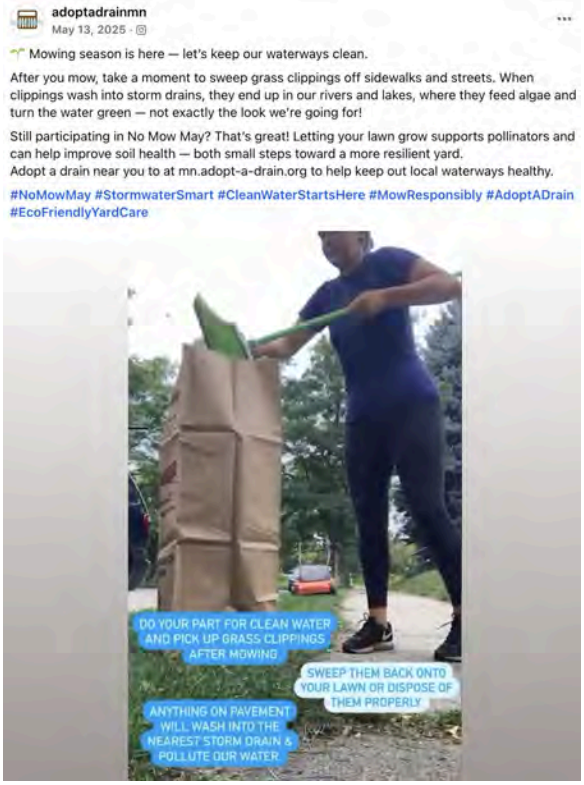
Social Media Impressions in 2025

Month	Facebook	Instagram
January	7,256	5,844
February	4,448	5,250
March	4,397	5,357
April	7,736	4,173
May	5,785	4,390
June	3,566	3,201
July	5,790	3,108
August	6,332	4,773
September	5,429	3,502
October	6,649	4,792
November	4,860	3,385
December	3,579	3,207
TOTAL	**65,827**	**50,982**

Adopt-a-Drain's social media reached a large number of people this year. On Facebook, our posts reached over 65,000 people, while our Instagram posts reached over 50,000 people. The posts following the chart were some of our top posts by number of views. Adopt-a-Drain social media accounts don't only focus on the Adopt-a-Drain program; they also share quality content about water stewardship and other environmental actions that followers can take outside of storm drain cleaning alone.

Other Social Media Post Highlights in 2025





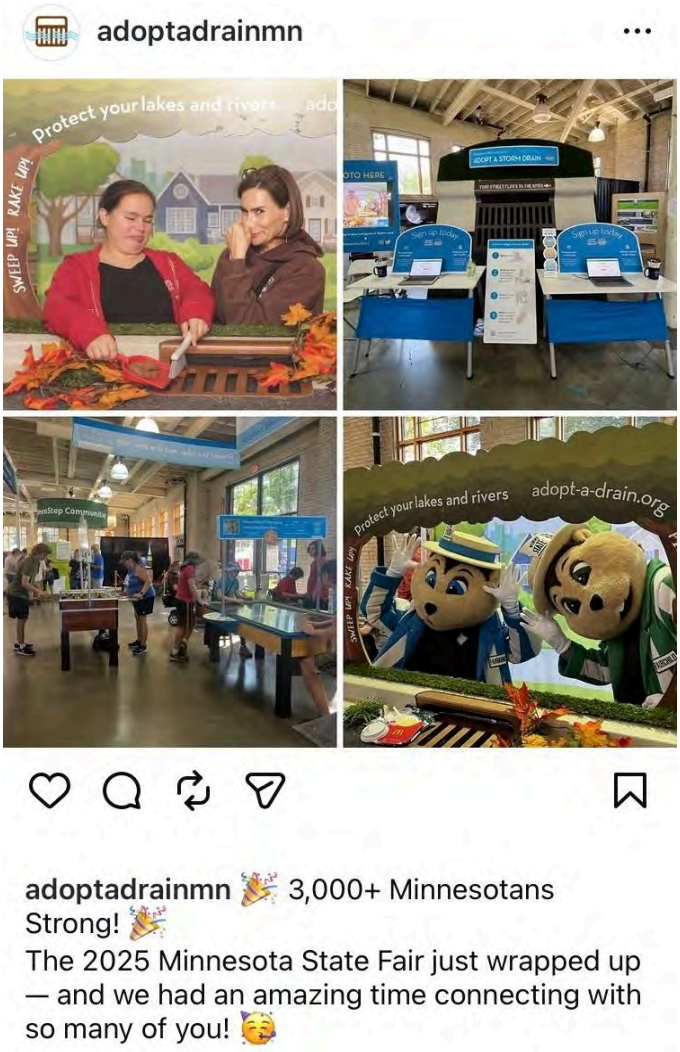
Adopt-a-Drain Education and Outreach

Adopt-a-Drain Brand Standards and Marketing Materials User Guide

Remember to check out the guide we've developed to help partners promote Adopt-a-Drain in their communities. Access the most up-to-date guide at: https://ms4.adopt-a-drain.org/marketing-guide. In this guide, you will find concise guidelines for using the Adopt-a-Drain brand, as well as a visual resource that guides you through accessing and utilizing the most up-to-date print and digital resources to promote the Adopt-a-Drain program in your community. We continue to refine and update print and digital assets, so take a minute to peruse this guide for promotional resources you may not know about. For example, you can now download design files that will allow you to order Adopt-a-Drain merchandise such as hats, water bottles and tote bags directly from the vendor. Access and download the standard marketing materials in Google Drive.

Education and Outreach at the Minnesota State Fair

The Minnesota State Fair in 2025 saw over 1.9 million total visitors over the 12 day running time, slightly higher attendance levels than what was seen in 2024. The Eco Experience building saw an estimated 210,375 visitors. The Metro Watershed Partner's Adopt-a-Drain exhibit was also very busy; we took over 3,750 photos of visitors in the Adopt-a-Drain photo booth during the course of the fair. The exhibit included many hands-on activities that introduced visitors to information about nonpoint source pollution and actions they could take to protect their waterways. In addition to hundreds of new volunteer signups from Minnesota residents, we were able to sign up visitors from multiple other states. The Adopt-a-Drain exhibit also had another surprise visit from Minnesota Lieutenant Governor Peggy Flanagan.



Over the twelve days of the fair, 690 people in 116 different cities signed up to adopt storm

drains. 623 of these new participants signed up on a kiosk at the Eco Experience building and received a drawstring backpack, an informational packet and a small yard sign that reads “We protect Minnesota lakes, rivers, and wetlands.”

We had 22 volunteers sign up to help our staff run the Adopt-a-Drain exhibit and eight staff members, including three Hamline students. Many of the volunteers were Watershed Partners members and Water Stewards. Our staff and volunteers had the opportunity to chat with current participants in the program, answer their questions, and talk about how their actions help protect our waterways. Many, many thanks to everyone who volunteered to help for making the exhibit a great success! We look forward to returning to the Great Minnesota Get-Together in 2026!

State Fair 2025 Summary

Day	Adopt-a-Drain New Participants	Drains Adopted	Photobooth photos taken
Thursday 8/21	65	72	349
Friday 8/22	67	72	334
Saturday 8/23	59	79	399
Sunday 8/24	69	85	295
Monday 8/25	53	67	346
Tuesday 8/26	52	70	314
Wednesday 8/27	48	60	199
Thursday 8/28	50	53	211
Friday 8/29	56	54	315
Saturday 8/30	76	79	368
Sunday 8/31	59	78	375
Monday 9/1	36	56	246
TOTAL	**690**	**825**	**3,751**

New participants signed up at the State Fair from across our Watershed Partners member areas. The chart below shows the number of new drains adopted for member cities, counties and watersheds.

New Drains Adopted at the State Fair by City, County & Watershed

City	Drains Adopted
Andover	3
Blaine	5
Bloomington	16
Columbia Heights	3
Crystal	8
Eden Prairie	10
Edina	11
Fridley	4
Hastings	8
Hopkins	7
Lakeville	6
Little Canada	1
Minneapolis	188
Minnetonka	13
Mound	1
New Brighton	12
Prior Lake	3
Richfield	4
Rochester	10
Rosemount	3
Roseville	25
Saint Louis Park	9
Saint Paul	133
Shakopee	6
Shoreview	9
Wayzata	3
White Bear Lake	6
White Bear Township	3
Woodbury	12

Watershed	Drains Adopted
Bassett Creek	36
Brown's Creek	1
Capitol Region	132
Coon Creek	18
Eagan-Inver Grove Heights	12
Elm Creek	13
Lower Mississippi River	28
Middle St Croix	4
Minnehaha Creek	132
Mississippi	77
Nine Mile Creek	22
Pioneer-Sarah Creek	1
Ramsey Washington Metro	40
Riley Purg. Bluff Creek	16
Shingle Creek	36
South Washington	16
Vadnais Lake Area	11
Vermillion River	31
West Mississippi	10

County	Drains Adopted
Anoka	41
Carver	13
Hennepin	344
Washington County	33

2025 Financial Report

Partners contributed $184,334 to the Watershed Partners in support of meetings, state fair outreach, administration, exhibit development (including maintenance and checkout), Adopt-a-Drain, Low Salt, No Salt MN, and the Clean Water MN website and public outreach campaign. While our revenue was slightly lower than projected, we remain in good financial standing. We shifted some of the costs of the digital resource library to 2026 to meet our budget. We will not be raising our dues, but hope to add new member cities to the Metro Watershed Partners in 2026. To that end, if you have contacts for cities that might be interested in joining the Metro Watershed Partners, please do reach out.

Supporting Members of the Metro Watershed Partners in 2025

Andover
Anoka Conservation District
Bassett Creek WMC
Blaine
Bloomington
Brown's Creek Watershed District
Capitol Region Watershed District
Carver County
Circle Pines
Columbia Heights
Coon Creek Watershed District
Crystal
Eagan-Inver Grove Heights WMO
East Metro Water Resources
Eden Prairie
Edina
Elm Creek WMC
Excelsior
Fridley
Hastings
Hennepin County
Hopkins
Lakeville
Lauderdale
Little Canada
Lower Mississippi River WMO
Middle St. Croix WMO
Minneapolis
Minnehaha Creek Watershed District
Minnetonka
Mississippi WMO
Mound
New Brighton
Nine Mile Creek Watershed District
Pioneer-Sarah Creek WC
Prior Lake
Ramsey-Washington Metro Watershed District
Richfield
Riley Purgatory Bluff Creek Watershed District
Rochester
Rosemount
Roseville
Saint Louis Park
Saint Paul
Shakopee
Shingle Creek WMC
Shoreview
South Washington Watershed District
Vadnais Lake Area WMO
Vermillion River Watershed JPO
Washington Conservation District
Wayzata
West Mississippi WMC
White Bear Lake
White Bear Township
Woodbury

Watershed Partners 2025 Budget

	IN-KIND	CASH	TOTAL
REVENUE			
2024 Funds rollover		$10,265.43	$10,265.43
2025 Membership		$184,334.99	$184,334.99
Total revenue		$194,600.42	$194,600.42
EXPENSE			
1. Watershed Partners Coordination			
Principle Investigator	$2,500.00	$8,481.43	$10,981.43
Program Coordination	$9,000.00	$18,000.00	$27,000.00
Steering Committee	$32,400.00		$32,400.00
Technology	$1,400.00	$970.00	$2,370.00
Meeting expenses		$2,557.45	$2,557.45
Postage and printing		$5.15	$5.15
Subtotal	$45,300.00	$30,014.03	$75,314.03
2. Watershed Exhibit Implementation			
Exhibit & State Fair coordination	$4,500.00	$6,000.00	$10,500.00
State fair expenses	$2,700.00	$25,912.00	$28,612.00
Storage and check-out	$5,000.00		$5,000.00
Subtotal	$12,200.00	$31,912.00	$44,112.00
3. Clean Water MN			
Program coordination		$7,000.00	$7,000.00
Program implementation		$4,000.00	$4,000.00
Web hosting and maintenance		$2,143.00	$2,143.00
Photo and video resource library		$3,000.00	$3,000.00
Media curation		$2,000.00	$2,000.00
Low Salt, No Salt migration		$2,000.00	$2,000.00
Winter Salt Awareness Week		$1,000.00	$1,000.00
Earth Month Campaign and Twins Game Event		$4,633.50	$4,633.50
Subtotal	$0.00	$25,776.50	$25,776.50

	IN-KIND	CASH	TOTAL
4. Adopt-a-Drain			
Site license	$6,000.00	$30,000.00	$36,000.00
Program coordination		$21,000.00	$21,000.00
Program implementation		$12,000.00	$12,000.00
Social media and communications		$9,000.00	$9,000.00
End of year mailing		$1,500.00	$1,500.00
Website work and graphic design		$7,000.00	$7,000.00
Subtotal	$6,000.00	$80,500.00	$86,500.00
TOTAL	**$63,500.00**	**$168,202.53**	**$231,702.53**
ADMINISTRATION FEE (10%)		$16,820.25	$16,820.25
TOTAL (INCL. ADMIN)	**$63,500.00**	**$185,022.78**	**$248,522.78**

2025 Rollover: $9,577.64

Watershed Partners Projected 2026 Budget

	IN-KIND	CASH	TOTAL
REVENUE			
2025 Funds rollover		$7,676.84	$7,676.84
2026 Membership		$200,000.00	$200,000.00
Total revenue		$207,676.84	$207,676.84
EXPENSE			
1. Watershed Partners Coordination			
Principle Investigator	$2,500.00	$8,500.00	$11,000.00
Program Coordination	$9,000.00	$18,000.00	$27,000.00
Steering Committee	$32,400.00		$32,400.00
Technology	$1,400.00	$970.00	$2,370.00
Meeting expenses		$3,000.00	$3,000.00
Postage and printing		$100.00	$100.00
Subtotal	$45,300.00	$30,570.00	$75,870.00
2. Watershed Exhibit Implementation			
Exhibit and state fair coordination	$4,500.00	$8,000.00	$12,500.00
State fair expenses	$2,700.00	$27,000.00	$29,700.00
Storage and check-out	$5,000.00		$5,000.00
Subtotal	$12,200.00	$35,000.00	$47,200.00
3. Clean Water MN			
Program coordination		$8,000.00	$8,000.00
Program implementation		$5,000.00	$5,000.00
Web hosting and maintenance		$2,200.00	$2,200.00
Photo and video resource library		$10,000.00	$10,000.00
Winter Salt Awareness Week		$1,000.00	$1,000.00
Media curation		$5,000.00	$5,000.00
Earth Month Campaign and Twins Game Event		$6,000.00	$6,000.00
Subtotal	$0.00	$37,200.00	$37,200.00

	IN-KIND	CASH	TOTAL
4. Adopt-a-Drain			
Site license	$10,000.00	$30,000.00	$40,000.00
Program coordination		$19,000.00	$19,000.00
Program implementation		$12,000.00	$12,000.00
Social media and communications		$9,000.00	$9,000.00
End of year mailing		$2,000.00	$2,000.00
Website work and graphic design		$7,000.00	$7,000.00
Subtotal	$10,000.00	$79,000.00	$89,000.00
TOTAL	**$67,500.00**	**$181,770.00**	**$249,270.00**
ADMINISTRATION FEE (10%)		$18,177.00	$18,177.00
TOTAL (INCL. ADMIN)	**$67,500.00**	**$199,947.00**	**$267,447.00**

2026 Projected Rollover: $7,729.84

ADOPT A STORM DRAIN

2025 St. Paul Annual Report

We're Making a Difference!

209	390	2,488	4,281
participants 2025	drains adopted 2025	participants TOTAL	drains adopted TOTAL

Drain Cleaning & Collection Data

487, or 19.6%, of St. Paul participants, reported cleaning 873 drains in 2025.

St. Paul participants collected 20,168.9 lbs of debris from their adopted storm drains in 2025.

Debris Type	Amount (lbs)
Brown Leaves	13,286.5
Grass and Green Leaves	1,011.4
Sediment and dirt	5,061.2
Trash	787.3
Pet Waste	12.5
Recyclables	0.0
Salt	10.0

Month	New Participants	Drains Adopted	Debris collected (lbs)	Time spent (hrs)
January	7	11	2,831.9	128.5
February	1	8	482.3	15.0
March	7	8	427.2	12.6
April	25	40	1,156.8	27.7
May	12	33	1,434.2	53.3
June	12	27	1,200.4	31.7
July	10	13	1,128.1	19.0
August	104	152	660.5	19.3
September	8	41	1,246.7	34.3
October	10	21	604.4	14.5
November	8	28	5,989.2	152.8
December	5	8	3,007.2	79.9
TOTALS	**209**	**390**	**20,168.9**	**588.6**

Participant Types

Participant type	Number of participants in 2025	Total number of participants	Percent of participants in 2025	Percent of total participants
Individual	192	2392	91.9%	96.1%
School or Classroom	9	52	4.3%	2.1%
Community Organization	4	24	1.9%	1.0%
Business	4	21	1.9%	0.8%

How Participants heard about Adopt-a-Drain

Referral Type	Number of participants in 2025	Number of participants total	Percent of participants in 2025	Percent of total participants
Other	108	330	51.7%	13.3%
Friend, family or neighbor	33	168	15.8%	6.8%
My city or watershed district	23	80	11.0%	3.2%
Family's teacher or school	12	45	5.7%	1.8%
Social media (Facebook, Next Door)	8	68	3.8%	2.7%
Yard sign	8	48	3.8%	1.9%
Community Meeting or Event	5	5	2.4%	0.2%
News outlet	4	17	1.9%	0.7%
Door hanger or flyer	1	14	0.5%	0.6%

In addition, 94 participants from St. Paul signed up at the 2025 MN State Fair Adopt-a-Drain exhibit.

Watersheds

2025 Data

Watershed	Drains adopted	Drains cleaned	Debris collected (lbs)	Time spent (hours)
Capitol Region	333	732	18,196.4	534.3
Ramsey - Washington Metro	45	111	1,600.9	33.8
Lower Mississippi River	12	27	341.2	17.7
Rice Creek	0	3	30.4	2.8

Subwatersheds

2025 Data

Sub-watershed	Drains adopted	Drains cleaned	Debris collected (lbs)	Time spent (hours)
East Kittsondale routes to Mississippi River	48	102	2,475.3	61.0
Mississippi River	44	167	3,689.1	118.7
St. Anthony Park towards the Mississippi River	40	59	2,165.7	50.9
Downtown Subwatershed routes to Mississippi River	39	11	286.7	7.5
St. Paul Beltline pipe to the Mississippi River	33	51	793.6	15.8
West Kittsondale routes to Mississippi River	32	42	1,328.2	90.4
St. Anthony Hill towards the Mississippi River	31	102	1,572.8	59.6
Trout Brook	28	58	885.4	28.0
Como Lake	26	75	2,907.9	64.8
City of St. Paul-Mississippi River	12	27	341.2	17.7
West Seventh towards the Mississippi River	12	16	158.2	7.6

Subwatersheds

2025 Data

Sub-watershed	Drains adopted	Drains cleaned	Debris collected (lbs)	Time spent (hours)
Phalen Creek	11	13	342.1	6.5
Crosby Lake	9	30	672.8	10.0
Goodrich-Western routes to Mississippi River	7	14	371.6	9.5
Davern St and routes to Mississippi River	6	35	1,162.1	17.2
Lake Phalen	5	28	460.4	9.3
Mississippi River Bottomlands	3	8	114.2	1.7
Blufflands	2	5	144.0	2.0
Battle Creek	1	16	73.2	4.9
Hidden Falls	1	0	0.0	0.0
Urban Subwatershed towards the Mississippi River	0	11	201.8	4.6
Wakefield Lake	0	2	0.8	0.1
Beaver Lake	0	1	22.0	1.0

Mailings and Signs

Sample welcome packet pictured below, including: yard sign and stake, welcome card with safety tips and instructions, and customized welcome letter.

Sign	Packets Mailed
Mississippi River	57
Como Lake	3

** Some participants opt out of receiving a yard sign, so the number of packets sent is lower than the total number of new signups this year.*

MINNESOTA STATE SUMMARY

1,955 participants 2025

4,001 drains adopted 2025

15,545 participants TOTAL

28,064 drains adopted TOTAL

3,705, or 23.8%, of Minnesota participants, reported cleaning 6,852 drains in 2025.

Minnesota participants collected 127,321.9 lbs of debris from their adopted storm drains in 2025.

Debris Type	Amount (lbs)
Brown Leaves	67,620.0
Grass and Green Leaves	8,191.7
Sediment and dirt	40,017.0
Trash	11,173.0
Pet Waste	49.0
Recyclables	0.0
Salt	271.2

Month	New Participants	Drains Adopted	Debris collected (lbs)	Time spent (hrs)	
January	62	203	20,113.2	708.1	1,073.0
February	30	66	2,142.2	86.3	427.0
March	90	247	6,338.0	243.1	834.0
April	213	445	8,374.8	212.1	1,094.0
May	139	320	14,939.6	356.4	1,201.0
June	108	305	13,918.1	230.4	1,092.0
July	142	395	5,165.5	171.6	1,124.0
August	724	938	5,928.3	193.5	1,102.0
September	161	409	5,667.4	153.9	991.0
October	185	379	8,001.0	231.7	1,133.0
November	72	190	25,420.7	642.5	1,942.0
December	29	104	11,313.1	409.6	794.0
TOTALS	**1,955**	**4,001**	**127,321.9**	**3,639.2**	**6,852.0**

2025 NATIONAL ADOPT-A-DRAIN SUMMARY

3,419 New participants 2025

6,412 New drains adopted 2025

19,731 Total participants

34,993 Total drains adopted

5,70 Adopt-a-Drain participants reported cleaning 9,194 drains in 2025. They reported 101,841 cleanings, collecting 164,125 lbs of debris from their adopted storm drains, and spending a combined total of 5,273 hours keeping their drains clear.

In November, we celebrated the removal of over **1,000,000 lbs** of debris by Adopt-a-Drain participants.

Debris Type	Amount (lbs)
Brown Leaves	87,571.1
Grass and Green Leaves	10,122.8
Sediment and dirt	53,060.7
Trash	12,898.6
Pet Waste	57.1
Recyclables	115.0
Salt	299.9

We ran two national outreach campaigns this year: An Earth Day campaign in April and a Stormwater Awareness campaign in September.

FRIENDS OF THE MISSISSIPPI RIVER

Protecting, restoring and enhancing the metro Mississippi River and its watershed since 1993.

106 W. Water St., Ste. 600 | St. Paul MN 55107-2032
(651) 222-2193 | fmr.org | info@fmr.org

2025 Water Quality Education Program

FINAL REPORT TO THE CITY OF SAINT PAUL PUBLIC WORKS

Summary Metrics Table

Category	Proposed	Accomplished
Volunteers Engaged	550	**589**
Total Service Hours	1,000	**1,088.3**
Storm Drains Stenciled	1,500	**2,302**
Door Hangers Distributed	3,000	**4,901**
Cleanups	2 to 3	**8**
Educational Programs & Outreach	5 to 10	**12+ programs, 5 tablings**
Participants in Educational Programming	200–250	**1,067**

Community Workshops	2	**2**
Storm Drain Mural	1	**Completed**

Description of Organization and Project Goals

Who We Are

Friends of the Mississippi River (FMR) engages people to protect, restore and enhance the Mississippi River and its watershed in the Twin Cities region. We strive to create positive changes that improve water quality, provide habitat for wildlife, develop education and recreation opportunities, and inspire widespread commitment to this natural wonder that flows through our community. We work to produce replicable models for community engagement and regularly measure and refine our goals and benchmarks to ensure that we are achieving tangible improvements in the river's health and vitality and demonstrating a benefit to our community.

What We Proposed

FMR committed to implementing a comprehensive water quality education program designed to engage residents in hands-on learning about urban runoff pollution, support school and community service-learning activities, and promote awareness of how stormwater connects to the Mississippi River. Core objectives included:

- involving the public in meaningful water quality improvement activities.
- Facilitating school-based stenciling, litter cleanups, and service learning.
- Stenciling storm drains and distributing educational materials across Saint Paul.

What We Accomplished

FMR met or exceeded all major program goals. The program engaged 589 volunteers who contributed 1,088.3 hours of service; stenciled 2,302 storm drains; distributed 4,901 door hangers; completed eight cleanups; delivered more than a dozen educational programs; reached 1,067 people through educational programming; coordinated two successful community workshops; and completed a water quality-themed storm drain mural.

FMR's Environmental Stewardship Institute (ESI) youth contributed significantly to the program through their participation in cleanups and as leaders in the mural project.

Project Description / Workplan

Community Outreach / Volunteer Recruitment

What We Proposed
FMR committed to outreach that would engage school groups, neighborhood organizations, faith communities, corporate teams, youth programs, and individual residents in volunteer and educational opportunities.

What We Accomplished
FMR successfully engaged 589 volunteers from across Saint Paul and the broader metro area through direct outreach, educator partnerships, event recruitment, and ongoing relationships with community and corporate partners. Recruitment remained strong throughout the season, drawing participation from intergenerational groups, college students, community organizations, and families. Outreach channels included email networks, classroom connections, community postings, and participation in public events.

Educational Programming

What We Proposed
Provide educational programming (classroom visits, special presentations, and tabling) that addresses watershed science, stormwater systems, pollution pathways, and actions residents can take to improve water quality.

What We Accomplished
Educational programming significantly exceeded targets, reaching **1,067 participants** across schools, universities, community groups, and public events. All programming was tied directly to watershed literacy, water quality protection, and understanding the role of storm drains in transporting pollutants to the Mississippi River.

Classroom Visits

- Educational presentation at Open World Learning (OWL) during a schoolwide meeting reached **496 students**, focusing on pollution sources, storm drains, and practical action steps.
- Seven presentations at the Metro Children's Water Festival reached **170 fourth-grade students**.

Special Presentations

- Five 45-minute lectures delivered at the University of St. Thomas reached **104 attendees** and provided a combined **87 education hours**, covering watersheds, pollutants, infrastructure, and stewardship.
- An additional **99.2 education hours** were delivered through OWL's large-group presentation.

Presenting and Tabling at Community Events

Five tabling events engaged **297 participants**:

- Summit Avenue Eco Fair – 59 attendees
- Lake Phalen WaterFest – 81 attendees
- Alebrijes Installation Festival – 75 attendees
- Community Peace Celebration – 39 attendees
- Spirit of Water Festival – 25 attendees

Volunteer / Service Outings

Storm Drain Stenciling

What We Proposed
Stencil 1,500 drains; distribute 3,000 door hangers; engage 550 volunteers; and provide a 15–40 minute educational orientation at each group outing.

What We Accomplished
FMR exceeded all proposed deliverables:

- **2,302 drains stenciled**
- **4,901 door hangers distributed**
- **589 volunteers engaged**
- Educational orientations were delivered at every staffed stenciling outing

Partnerships included University of Minnesota geology courses, multiple University of St. Thomas classes, Open World Learning, Great River School, Xcel Energy Day of Service volunteers, and several neighborhood-based groups. DIY stenciling kits expanded accessibility, allowing families and small groups to participate independently.

Litter Clean Up Events

What We Proposed
Coordinate 2–3 cleanup events.

What We Accomplished
FMR completed **eight** cleanup events, significantly exceeding expectations. Cleanups included:

- FedEx
- University of Michigan & UW–Stevens Point alumni
- Next Acts TrashBlitz
- Mount Zion Temple (Reverse Tashlich)
- ESI Harriet Island cleanup
- ESI Hidden Falls cleanup
- The People's Collective DIY cleanup
- Additional neighborhood and park-based cleanups

All cleanups included orientation on urban pollutants, the role of stormwater systems, and how litter impacts water quality.

Stenciling Kits (DIY Program)

DIY kits continued to provide flexible opportunities for families, faith groups, and neighborhood teams to participate in storm drain stenciling and trash pickup outside scheduled events. Kits included maps, paint, stencils, safety materials, and educational content.

Improved Education

What We Proposed
Enhance the educational component by improving clarity, deepening content quality, and integrating reflection activities into service outings.

What We Accomplished
Staff incorporated a brief reflection practice at each stenciling and cleanup event. Participants shared new insights, asked questions about water quality, and identified practical ways to reduce pollution at home and in their neighborhoods. These reflective moments increased participant ownership and strengthened learning outcomes.

Public Community Workshops

What We Proposed
Host two community workshops on water quality-related topics such as rain gardens, water-friendly landscaping, rain barrels, or watershed stewardship.

What We Accomplished
FMR delivered **two** successful community workshops hosted at Pilgrim Baptist Church, engaging **55 participants** for a total of **82.5 education hours**. Both workshops focused on the Mini-Forest (Miyawaki) method—a highly effective strategy for improving soil health, reducing runoff, filtering pollutants, and creating urban ecological refuges.

Participants learned about the science behind mini forests, how small urban plantings can improve water quality, and steps for launching similar projects in schools or neighborhoods. Guest educators included Hannah Lewis (author of *Mini-Forest Revolution*) and Nate Galloway. Engagement was strengthened through guided outdoor learning stations and extensive outreach to local community members and educators.

Storm Drain Mural Project

What We Proposed
Complete one storm drain mural project in partnership with a local artist and a Saint Paul school or youth group.

What We Accomplished
FMR partnered with artist **Jesus Ramirez** and the **Environmental Stewardship Institute Youth Council** to design and complete a stormwater-themed mural on Harriet Island. Over multiple design and painting sessions, youth learned about stormwater infrastructure, water quality issues affecting Saint Paul, and how public art can shape community understanding and behavior.

The finished mural depicts the connection between storm drains and the Mississippi River and serves as a lasting educational tool. Youth played a central role in concept development, design refinement, community messaging, and on-site painting. This project strengthened environmental identity and civic engagement among participating students.

Project Management

FMR's Stewardship & Education team—including the Stewardship Program Director, Program Associate, Volunteer Manager, Youth Program Manager, and interns—coordinated logistics, staffing, scheduling, communications, supply inventory, risk assessment, and data tracking for all program components. Strong coordination with Saint Paul Public Works and partner organizations ensured that activities were efficient, safe, and aligned with program goals.

Operations and Supplies

FMR managed all materials required for stenciling, cleanups, workshops, and the mural project. This included purchasing, storing, and maintaining stencils, paint, brushes, gloves, trash bags, workshop supplies, and mural materials. Door hanger printing was coordinated with RiverPrint as outlined in the project plan.

Project Budget and Reporting

FMR met all reporting deadlines, including interim and final reports, and invoiced the City according to the agreed-upon schedule. All activities were completed within the approved 2025 project budget.

Appendix: Flickr Photo Documentation

Stenciling

- Highlights: https://flic.kr/s/aHBqjCB1ax
- UMN Geology (AM): https://flic.kr/s/aHBqjCcsYu
- UMN Geology (PM): https://flic.kr/s/aHBqjCczqf
- Open World Learning: https://flic.kr/s/aHBqjCcjoK
- St. Thomas Theology: https://flic.kr/s/aHBqjCehdJ
- Great River School: https://flic.kr/s/aHBqjCfQZK
- Xcel Day of Service: https://flic.kr/s/aHBqjCupQp

Cleanups

- FedEx – Harriet Island: https://flic.kr/s/aHBqjCch6X
- UMich + UWSP – Swede Hollow: https://flic.kr/s/aHBqjCcXWU

- Reverse Tashlich – Mount Zion: https://flic.kr/s/aHBqjCvM8M
- ESI Cleanups: https://flic.kr/p/2rcNn9k and https://flic.kr/p/2rcMmE3

Educational Programming

- Metro Children's Water Festival: https://flic.kr/s/aHBqjCvbb4

Workshops

- Mini-Forest Workshop (Aug 14): https://flic.kr/s/aHBqjCrkVg
- Mini-Forest Workshop (Sep 30): https://flic.kr/s/aHBqjCw4iZ

Storm Drain Mural

- ESI + Jesus Ramirez mural: https://flic.kr/s/aHBqjCzXmK

CITY OF SAINT PAUL
Mayor Christopher B. Coleman

390 City Hall
15 West Kellogg Boulevard
Saint Paul, MN 55102

Telephone: 651-266-8510
Facsimile: 651-228-8513

Fact Sheet

Chapter 51. Allowable Discharges to the Storm Sewer System

What is the focus of the new ordinance?

This ordinance is intended to prevent pollution from entering the City's storm sewer system, which discharges directly to our lakes and the Mississippi River. The ordinance formally defines what is allowed and prohibited.

Prohibitions include, but are not limited to:

- Motor oil, paint, solvents, or other liquids poured into a catch basin;
- Grass, leaves, or landscape material intentionally disposed in the street or waters;
- Sanitary connections to the storm system; or,
- Wash water, concrete wash out to the street or other improper disposal of waste.

Why is the ordinance needed?

The Minnesota Pollution Control Agency regulates Saint Paul's stormwater under the federal Clean Water Act. This serves to protect water quality in lakes and rivers. Under this permit, the City is obligated to enact regulatory controls to prevent pollutants from entering the storm sewer system.

What is the City currently doing to address this and how will this help?

- The City educates citizens on how to prevent pollution going into the storm sewer system by working with volunteer groups to stencil "don't pollute, drains to river" graphics on city storm drains and distribute multi-lingual door hangers.
- The City addresses municipal maintenance operations by implementing policies and procedures to avoid improper behaviors leading to stormwater pollution.
- Improper discharges to the storm sewer system are currently addressed on a complaint basis.

Several existing ordinances indirectly address pollution prohibitions, but lack specificity. The new ordinance clarifies and strengthens pollution prevention controls. It better positions the City to take enforcement steps, if necessary. Public Works and DSI jointly share enforcement responsibilities.

How does this ordinance affect citizens, businesses, or other constituents?

It is difficult to generalize due to the range of potential circumstances and impacts of prohibited discharges – from raking leaves into the street to dumping oil into a storm drain.

This ordinance will primarily be used to respond to public complaints. Awareness and education about the new ordinance, and avoiding water quality impacts, will be stressed. Enforcement in the form of abatement letters may be taken, depending on the circumstance and threat to water quality.

2025 Discharges Addressed

Date	Discharge	Action
January 2025	Fuel/oil spill at (560 Como).	Sent to DSI to address and enforce.
March 2025	University Club pool discharge.	Sent to DSI to address and enforce.
March 2025	Xcel power pole damaged by vehicle crash causing transformener oil discharge (1900 7th St W).	Sent to ROW to investigate.
April 2025	Sanitary cross connection: Ramsey County Rice Street Reconstruction identified a sanitary connection to storm for Autozone (1515 Rice).	Reported to Duty Officer and corrected as part of County street reconstruction project.
April 2025	Complaint of barrel leaking tar/asphalt (1151 Lilydale Rd).	Sewer Utility removed, recovered, and disposed of barrel and contents.
May 2025	Turbid water discharge at Hillcrest construction site.	RWMWD and DSI to address and enforce.
June 2025	Inadequate erosion and sediment control complaint received by Sewer Maintenance on (1324 7th Street).	Sent to ROW and DSI to address and enforce.
July 2025	Complaint of unknown material discharged into street (Congress and Ohio).	Sent to ROW to address and enforce.
August 2025	Automotive fluid draining from a garage into ROW (45 W Fourth St).	Sent to DSI to address and enforce.
August 2025	Complaint of turbid water being discharged into Como Lake from watermain break repair.	SPRWS notified to address and resolve.
August 2025	Discharge of non-stormwater discharge into catch basin (111 Kellogg).	Sent to DSI to address and enforce.
September 2025	Turbid water discharge at Hillcrest construction site.	RWMWD and DSI to address and enforce.
October 2025	Complaint of Cemstone discharging concrete washout onto street (2340 Gordon Pl).	Sent to ROW to address and enforce.
October 2025	Complaint received of sanitary back-up into street at 411 Main (Dorothy Day)	Sewer Maintenance responded to clean the spill. Spill reported to MPCA.
November 2025	Turbid water discharge at Hillcrest construction site.	RWMWD and DSI to address and enforce.
December 2025	Complaint of oil sheen runoff from garage into street (712 Delaware).	ROW investigated. Water Quality Letter issued.

Outfall Inventory

Outfall	Location	Watershed	Pipe Size	Acres
	Bridal Veil Creek			
005	South of Buford	Bridal Veil	42"	
	Mississippi River			
010	Eustis	St. Anthony Park	tunnel	2467
020	Lotus	Miss. River Blvd.	tunnel	31
030	Marshall	Miss. River Blvd.	tunnel	121
040	West Kittsondale	West Kittsondale	tunnel	977
050	Otis	Miss. River Blvd.	tunnel	14
060	Portland Ave	Miss. River Blvd.	tunnel	508
070	Summit	Miss. River Blvd.	16" cast iron	30
080	Goodrich	Miss. River Blvd.	tunnel	456
090	Princeton	Miss. River Blvd.	tunnel	150
095	Berkeley	Miss. River Blvd.	24"	
100	Jefferson	Miss. River Blvd.	tunnel	139
110	Randolph	Miss. River Blvd.	tunnel	39
115	Hartford	Miss. River Blvd.	tunnel	580
120	Scheffer	Miss. River Blvd.	tunnel	8
130	Highland Parkway	Miss. River Blvd.	tunnel	165
135	Hidden Falls	Hidden Falls	48"	269
140	Sheridan	Davern	tunnel	145
145	West 7th	Davern	30"	30
150	Davern	Davern	tunnel	963
151	Watergate Marina	Crosby	21"	

Outfall Inventory

Outfall	Location	Watershed	Pipe Size	Acres
156	Elway	Crosby	60"	
158	Elway	Crosby	90"	820
160	Otto	E. Kittsondale	tunnel	177
170	Bay	E. Kittsondale	tunnel	1699
180	Sumac	West 7th	tunnel	8
190	Drake	West 7th	tunnel	158
195	Fountain Cave	West 7th	42"	39
200	Richmond	West 7th	20"	142
201	Richmond	West 7th	42"	
206	Western	West 7th	30"	98
210	Smith -1992	Good/West	tunnel	424
220	Sherman	Downtown	48"	41
230	Chestnut	Downtown	27"	82
240	Eagle	Downtown	3'x5' brick	77
~~250~~	~~Ontario~~ abandoned	~~Downtown~~	~~24"~~	
260	Market	Downtown	24"	
270	St. Peter	St. Anthony Hill	tunnel	2653
280	Cedar	Downtown	tunnel	
290	Minnesota	Downtown	tunnel	115
295	Robert	Downtown	tunnel	5
300	Jackson	Downtown	36"	27
310	Sibley	Downtown	48"	10
~~315~~	~~Wacouta~~	~~Downtown~~	~~12"~~	~~10~~

Outfall Inventory

Outfall	Location	Watershed	Pipe Size	Acres
320	Broadway	Downtown	7'x8' concrete	115
325	Troutbrook	Troutbrook	dual 10'	4025
330	Plum	Phalen Creek	tunnel	1406
340	Urban	Urban	48" brick	328
343	Warner and Childs	Pig's Eye	24"	
346	Warner and Childs	Pig's Eye	18"	
350	Beltline (RWMWD's)	Beltline	9'	3524
~~352~~	~~off Child's Road~~	~~Pig's Eye~~	~~12"~~	
~~354~~	~~off Child's Road~~	~~Pig's Eye~~	~~12"~~	
~~356~~	~~off Child's Road~~	~~Pig's Eye~~	~~12"~~	
360	Battle Creek	Pig's Eye	36"	
365	Wyoming	Riverview	30" culvert	8
380	Page and Barge Ch Rd	Riverview	42"	69
385	Robie and Witham	Riverview	54"	
390	Robie and Kansas	Riverview	42"	264
400	Airport	Riverview	12"	
405	Chester St	Riverview	tunnel	326
407	Eva St	Riverview	36"	
410	Custer St	Riverview	tunnel	188
420	Moses St	Riverview	5'6"	95
430	Belle	Riverview	2-36"x40"	37
440	Riverview	Riverview	2-77"x121"	801
460	Chippewa and Baker	Riverview	16"	71

Outfall Inventory

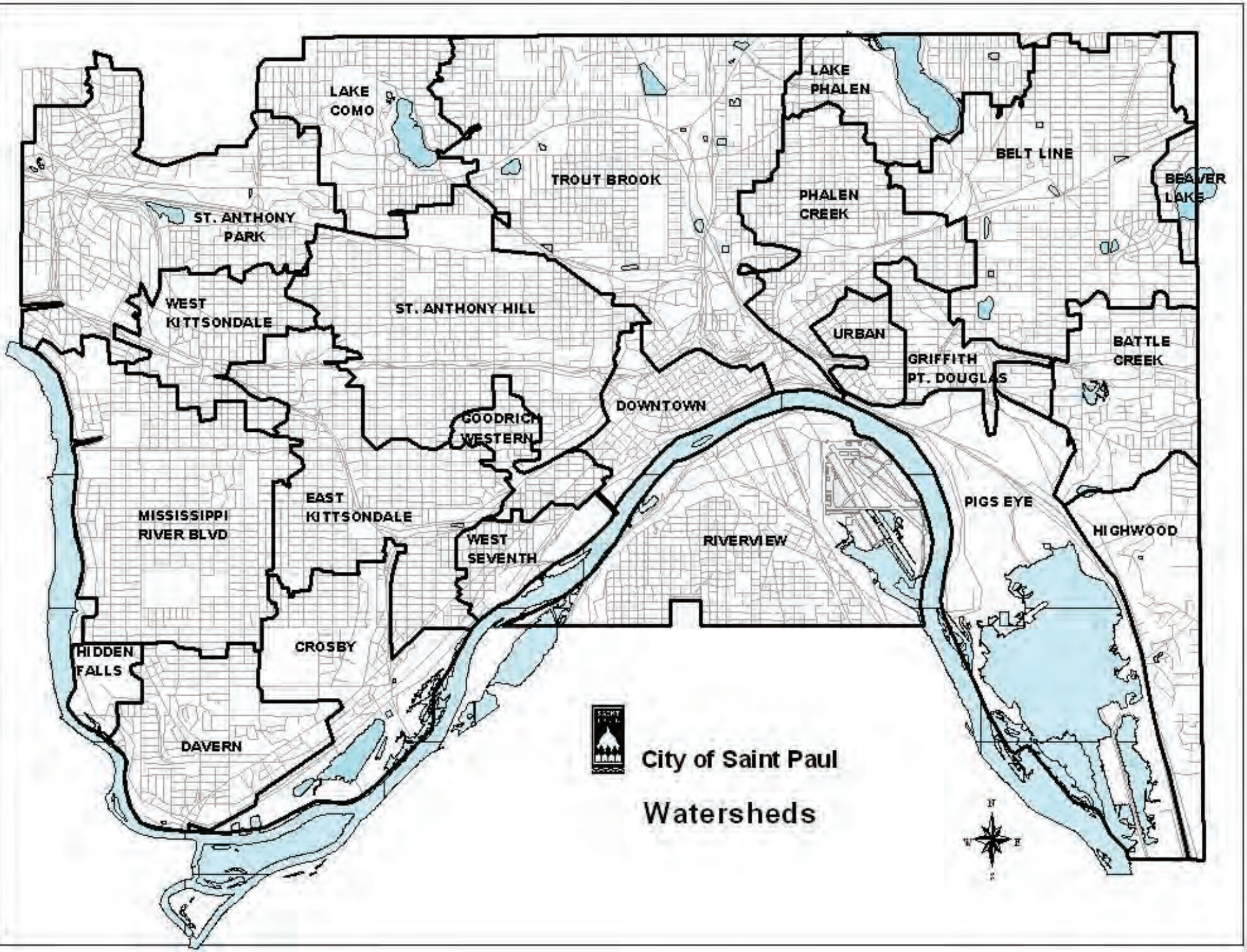
Outfall	Location	Watershed	Pipe Size	Acres
	Upper Lake			
152	Springfield	Crosby	15"	
	Crosby Lake			
153	Rankin	Crosby	27"	
154	Homer	Crosby	30"	
155	Leland	Crosby	30"	
	Fairview North Pond			
500	Tatum & Pierce Butler	St. Anthony Park	6'	
510	Pierce Butler & Aldine	St. Anthony Park	54"	
	Lake Como			
520	Arlington & Chelsea	Como	60"	310
530	Chatsworth North	Como	36"	201
540	Milton North	Como	36"	79
550	Parkview East	Como	18"	17
560	Ivy East	Como	18"	24
570	Wheelock Pkwy East	Como	24"	23
580	Rose East	Como	36"	30
590	Victoria South	Como	30"	49
600	Chatsworth South	Como	24"	75
610	Horton West	Como	15"	311
620	Park West	Como	36"	50

Outfall Inventory

Outfall	Location	Watershed	Pipe Size	Acres
	Loeb Lake			
630	Jessamine	Troutbrook	36"	
	Lake Phalen			
680	Arlington West	Phalen	72"	380
690	Blomquist South	Phalen	36"	71
700	Arlington East	Phalen	42"	209
710	between Hoyt & Neb.	Phalen	42"	69
720	Larpenteur East	Phalen	84"	17
	Beaver Lake			
726	Lacrosse	Beaver	15"	
728	Ames	Beaver	15"	
730	Rose North	Beaver	42"	67
740	McKnight North	Beaver	21"	22
	Suburban Pond			
---	Suburban & VanDyke (RWMWD's)	Battle Creek	102"	
750	Suburban & WB Ave	Battle Creek	27"	
760	Suburban & Hazel	Battle Creek	54"	
	Little Pig's Eye Lake			
770	near fish hatchery	Griffith/Pt. Douglas	72"	
	Pig's Eye Lake			
780	Burlington	Highwood	66"	
784	Winthrop @ Lower Afton	Highwood	30"	

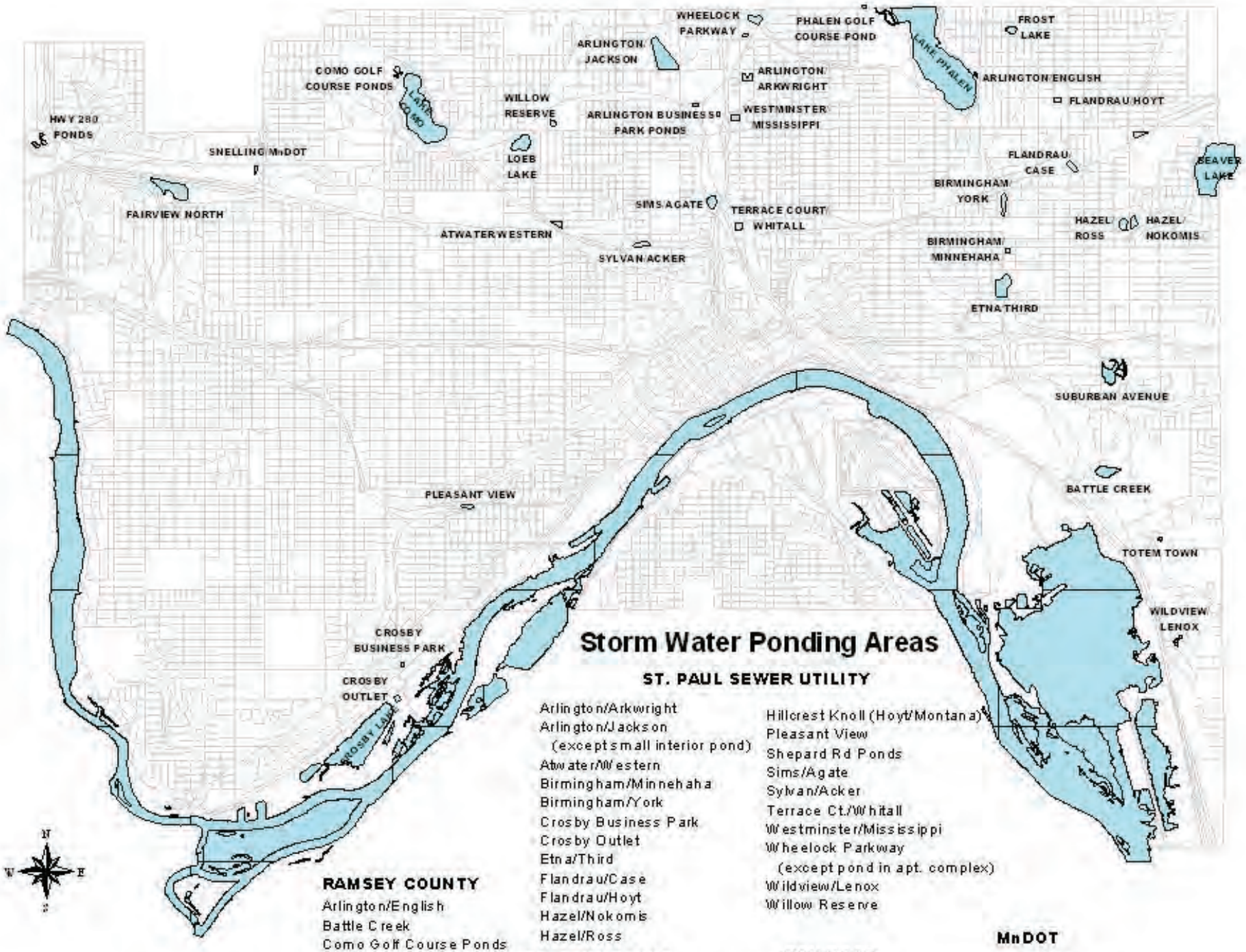
Outfall Inventory

Outfall	Location	Watershed	Pipe Size	Acres
786	Morningside @ Lower Afton	Highwood	18"	
790	Springside Drive	Highwood	33"	
791	Highwood	Highwood	48"	
	Battle Creek			
~~800~~	~~N. Park Drive & Faye~~	~~Battle Creek~~	~~33"~~	
808	Sandralee	Battle Creek	24"	
810	Ruth	Battle Creek	42"&73-1/2" arch	
812	Warren	Battle Creek	18"	
814	Cutler	Battle Creek	24"	
816	Nelson	Battle Creek	24"	
818	Winthrop & Larry Ho	Battle Creek	30"	
820	Winthrop & N. Park Dr	Battle Creek	36"	
825	Michael N	Battle Creek	33"	
826	Michael S	Battle Creek	30"	
830	McKnight & N. Park Dr	Battle Creek	36"	
836	A Street	Battle Creek	18"	


LAKE COMO
LAKE PHALEN
TROUT BROOK
BELT LINE
BEAVER LAKE
PHALEN CREEK
ST. ANTHONY PARK
WEST KITTSONDALE
ST. ANTHONY HILL
URBAN
BATTLE CREEK
GRIFFITH
PT. DOUGLAS
DOWNTOWN
GOODRICH
WESTERN
MISSISSIPPI RIVER BLVD
EAST KITTSONDALE
WEST SEVENTH
RIVERVIEW
PIGS EYE
HIGHWOOD
CROSBY
HIDDEN FALLS
DAVERN
City of Saint Paul
Watersheds
N
W
E
S

Watershed Inventory

Watershed	WS#	Area (acres)	Population (2000 Census)	Percent Impervious	Runoff Coefficient
Beaver Lake	1	278	2,070	31	0.33
Belt Line	2	2,882	30,994	56	0.55
Lake Phalen	3	995	7,626	41	0.42
Trout Brook	4	3,959	37,665	63	0.62
Lake Como	5	1,240	9,753	47	0.47
St. Anthony Park	6	2,467	13,140	70	0.68
Phalen Creek	7	1,406	18,418	64	0.62
St. Anthony Hill	8	2,542	36,410	66	0.64
Griffith/Pt. Douglas	9	458	5,264	63	0.61
W. Kittsondale	10	847	7,732	69	0.67
Urban	11	339	4,491	58	0.57
Battle Creek	12	1,089	8,201	54	0.54
Downtown	13	669	6,097	78	0.75
E. Kittsondale	14	1,870	18,353	64	0.62
Mississippi River Blvd.	15	2,373	27,251	59	0.58
Goodrich/Western	16	424	5,010	64	0.63
Pigs Eye	17	2,995	913	39	0.40
Riverview	18	2,658	14,860	58	0.57
Highwood	19	1,139	5,216	50	0.50
W. Seventh	20	450	2,543	61	0.60
Crosby	21	1,446	8,804	45	0.45
Davern	22	1,277	6,628	56	0.55
Hidden Falls	23	237	1,263	56	0.55
Total		34,040	278,706		



Storm Water Ponding Areas

ST. PAUL SEWER UTILITY

Arlington/Arkwright
Arlington/Jackson
(except small interior pond)
Atwater/Western
Birmingham/Minnehaha
Birmingham/York
Crosby Business Park
Crosby Outlet
Etna/Third
Flandrau/Case
Flandrau/Hoyt
Hazel/Nokomis
Hazel/Ross
Hillcrest Knoll (Hoyt/Montana)
Pleasant View
Shepard Rd Ponds
Sims/Agate
Sylvan/Acker
Terrace Ct./Whitall
Westminster/Mississippi
Wheelock Parkway
(except pond in apt. complex)
Wildview/Lenox
Willow Reserve

RAMSEY COUNTY

Arlington/English
Battle Creek
Como Golf Course Ponds
Surburban Avenue
Totem Town

ST. PAUL PARKS

Phalen Golf Course Pond

RAILROAD

Fairview/North

MnDOT

Hwy. 280
Snelling/MnDOT

City of Saint Paul

Storm Water Ponding Area Inventory

Ponding Area	Drainage Area (acres)	Population 2000 Census	Pond Area (acres)	Storage Capacity (Acre-feet
Arlington/Arkwright	302.3	4001	5	20.4
Arlington/Jackson	699.4	6562	14.5	75.6
Atwater/Western	127.3	1230	2.7	13.3
Birmingham/Minnehaha	41.0	457	0.9	2.5
Birmingham/York	146.5	2050	2.2	9.5
Crosby Business Park	39.6	198	1	5.52
Crosby Outlet	866.0	6295	5.5	40.6
Etna/Third	244.0	2457	4.7	25.1
Flandrau/Case	95.2	1331	0.7	3
Flandrau/Hoyt	479.5	4582	1.9	20.8
Hazel/Nokomis	73.0	511	2.3	6.3
Hazel/Ross	67.8	949	4	3.8
Pleasant View	164.5	2053	2.3	14.5
Sims/Agate	174.6	1357	5.3	12.8
Sylvan/Acker	376.9	3617	2.1	11.7
Terrace Ct./Whitall	4.7	28	0.5	0.5
Westminister/Mississippi	123.4	1912	2.2	10.1
Wheelock Parkway	19.0	265	1.3	1.7
Wildview/Lenox	19.3	111	0.73	2.2
Willow Reserve	372.1	3669	20.3	42.6
Total	4436.2	43633.6		

Drainage area only includes area in St. Paul.

Storage capacity is for a 100 year storm in acre-feet.

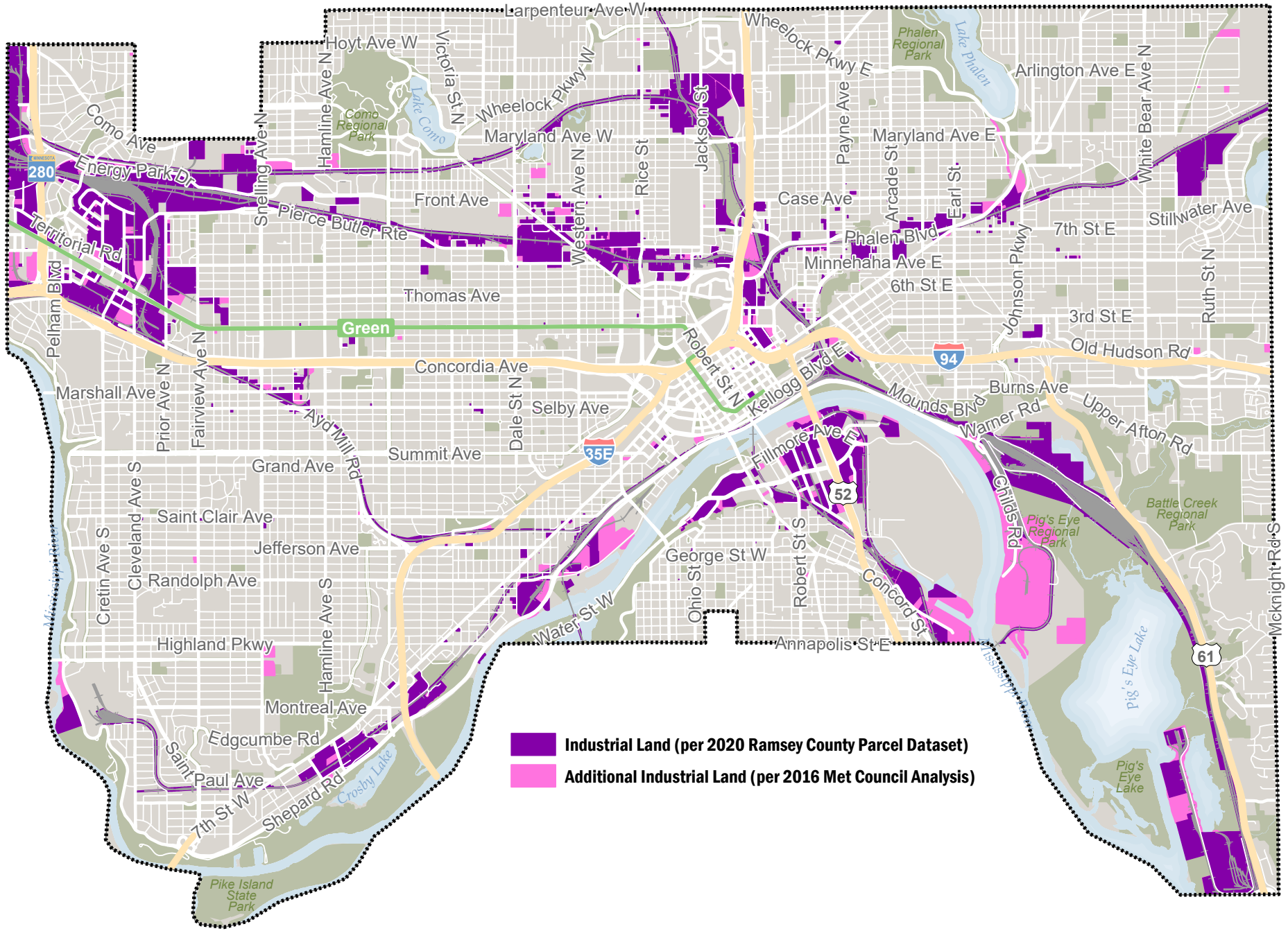
Storm Water Ponding Areas by Watershed Area

Beaver Lake	None
Belt Line	Birmingham/Minnehaha Birmingham/York Etna/Third Flandrau/Hoyt Flandrau/Case Hazel/Nokomis Hazel/Ross Hillcrest Knoll (Hoyt/Montana)
Lake Phalen	Arlington/English Phalen Golf Course Pond
Trout Brook	Arlington/Jackson Arlington/Arkwright Atwater/Western Sims/Agate Sylvan/Acker Terrace Ct./Whitall Westminster/Mississippi Wheelock Parkway Willow Reserve
Lake Como	Como Golf Course Ponds
St. Anthony Park	Fairvew/North Highway 280 Snelling/MnDOT
Phalen Creek	None
St. Anthony Hill	None
Griffith/ Pt. Douglas	None
W. Kittsondale	None
Urban	None
Battle Creek	Battle Creek Surburban Avenue
Downtown	None

E. Kittsondale	Pleasant View
Mississippi River Blvd.	None
Goodrich/ Western	None
Pigs Eye	None
Riverview	None
Highwood	Totem Town Wildview/Lenox
W. Seventh	None
Crosby	Crosby Business Park Crosby Outlet
Davern	None
Hidden Falls	None

Industrial Land Use in Saint Paul

February 24th, 2020



0 0.5 1 2 Miles

Date: 2/24/2020 9:24 AM Document Path: K:\GIS\Data and Research Requests\2020\2020-02-24 Industrial Land Use for Patrick Murphy\4 - GIS\2020-02-24 Industrial Land Use.aprx

This document was prepared by the Saint Paul Planning and Economic Development Department and is intended to be used for reference and illustrative purposes only. This drawing is not a legally recorded plan, survey, official tax map or engineering schematic and is not intended to be used as such. Data sources: Ramsey County Parcey Polygon GIS Dataset, 2020, with query: UseType1 IN ('T E Misc Co D 4', 'Industrial') Or UseType2 IN ('Industrial') Or ExemptUse1 IN ('T E Misc Co D 4') Or LandUseCodeDescription IN ('FLEX INDUSTRIAL CENTER', 'FOOD&DRINK PROCESS PLANT & STGE', 'FOUNDERY & HEAVY MFG PLANT', 'IND WAREHOUSE', 'INDUSTRIAL MINIMUM IMPROVEMENT', 'INDUSTRIAL', 'VACANT LAND', 'MINI STORAGE/ WAREHOUSE', 'MANUFACTURING & ASSEMBLY LIGHT', 'OTHER INDUSTRIAL STRUCTURE', 'PUB UTIL PER PROP OTHER THAN RR', 'RAILROAD REAL PROP NOT USED OPERATOS', 'RESEARCH AND DEVELOPMENT FACILITY', 'UTILITY PROP. VACANT LAND', 'RAILROAD REAL PROP USED IN OPERATION', 'TRUCK TERMINAL') and Met Council Land Use GIS data via MN Geospatial Commons, Dscrpt2016 = '%Industrial and Utility%', and St. Paul Enterprise GIS Base Layer Data, 2020.

List of Industrial Stormwater Permit Holders

Obtained from MPCA Industrial Stormwater Permit database on 11/30/2020

Site Permit #	Site Address	Facility Name	Does MPCA consider Site No Exposure	Owner Name
MNR05384T	51 Maryland Ave E	Elliott Auto Supply Co. Inc	No	ELLIOTT AUTO SUPPLY CO., INC.,
MNR0538JV	1061 Red Rock Rd	Gavilon Grain, LLC	No	Gavilon Grain LLC
MNR0538N3	51 State St	Pier Foundry	No	Pier Foundry & Pattern Shop
MNR0538P4	515 Eaton St	Signature Flight Support STP	No	Signature Flight Support
MNR0538PH	701 Eaton St	Hubbard Broadcasting Hanger	No	Hubbard Broadcasting Inc
MNR0538TV	1303 Red Rock Rd	Upper River Services - Pig's Eye	No	Upper River Services Inc
MNR0538TX	40 State St	Upper River Services - State Street	No	Upper River Services
MNR0538VB	719 Eaton St	Minnesota Jet Inc	No	Northern States Power a MN Corp dba Xcel
MNR05396V	954 Minnehaha Ave W	St. Paul Brass & Aluminum Foundry	No	Saint Paul Brass & Aluminum Foundry
MNR0539Q8	867 Forest St	Northern Iron & Machine	No	Northern Iron of St Paul LLC
MNR0539QD	754 Rice St	Ace Auto Parts & Salvage Co., Inc.	No	Ace Auto Parts
MNR0539WR	690 Bayfield St	3M Aviation	No	3M Company
MNR0539XY	1678 Red Rock Rd	Gerdau - Saint Paul Mill	No	Gerdau Corporation
MNR053B2J	795 Barge Channel Rd	St Paul Alter River Terminal	No	Alter Trucking and Terminal Corporation
MNR053B32	801 Barge Channel Rd	Alter Metal Recycling - St. Paul	No	Alter Metal Recycling
MNR053B4B	644 Bayfield St	MAC - STP Downtown Airport	No	Metropolitian Airports Commission
MNR053B8Z	701 Barge Channel Rd	Hawkins - Terminal 2	No	Hawkins Inc
MNR053B94	1125 Childs Rd	Hawkins - Terminal I	No	Hawkins Inc
MNR053B96	309 Como Ave	Advanced Disposal Services - Vasko Solid Waste	No	Advanced Disposal Services
MNR053B97	198 Minnehaha Ave E	Apex Auto Salvage	No	Apex Auto Salvage
MNR053BDW	1425 Red Rock Rd	Hawkins Water Treatment Group - Red Rock	No	Hawkins Inc
MNR053BF3	1701 Pierce Butler Rte	Midway Hub	No	BNSF Railway Co
MNR053BJL	875 Prior Ave N	E-Z Recycling	No	E-Z Recycling
MNR053BK9	1999 Shepard Rd Ste A	Johnson Brothers Liquor Co	No	Johnson Brothers Liquor Company
MNR053BKC	1031 Childs Rd	Northern Metal Recycling - Dock	No	Northern Metals Recycling
MNR053BKF	521 Barge Channel Rd	Northern Metal Recycling - St Paul	No	Northern Metals Recycling
MNR053BRV	318 Water St W	Twin City Refuse & Recycling Inc	No	Twin City Refuse Recycling & Transfer
MNR053BRW	2370 Highway 36 E	TA Schifsky Sons Inc	No	TA Schifsky Sons Inc
MNR053BSQ	268 Water St W	J & L Wire Cloth Co Inc	No	J&L Wire Cloth Co Inc
MNR053BSY	780 Barge Channel Rd	GERDAU - St Paul Raw Materials	No	Gerdau Ameristeel
MNR053BWL	1359 Red Rock Rd	Barton Enterprises Inc / Commercial Asphalt Co	No	Tiller Corporation
MNR053C2P	1000 Shop Rd	St. Paul Yard	No	CP
MNR053C2X	1305 Pierce Butler Rte	Pierce Recycling and Transfer Facility	No	Veit
MNR053C35	106 Arlington Ave E	Action Auto Parts of St Paul, Inc.	No	Action Auto Parts of St Paul, Inc.
MNR053C3X	403 Fillmore Ave E	Americraft Carton, Inc	No	Americraft Carton Inc
MNR053C5K	2229 Childs Rd	Westway Feed Products LLC	No	BWC Terminals LLC
MNR053C5X	508 Cleveland Ave N	Minnesota Commercial Railway Co	No	Minnesota Commercial Railway Company
MNR053C77	2160 Pigs Eye Lake Rd	Hoffman Pigs Eye Maintenance Facility	No	Union Pacific Railroad Company
MNR053C79	500 Block Of Eaton St	Eaton Maintenance Facility	No	Union Pacific Railroad Company

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Site Permit #	Site Address	Facility Name	Does MPCA consider Site No Exposure	Owner Name
MNR053C7Q	2165 Pigs Eye Lake Rd	Environmental Wood Supply	No	City Of Saint Paul Parks And Recreation
MNR053C7S	76 Kellogg Blvd W	District Energy St Paul/St Paul Cogeneration L	No	District Energy Saint Paul Inc
MNR053C8P	858 Transfer Rd	Lubrication Technoloiges Inc	No	Lube-Tech & Partners LLC
MNR053CBY	206 Airport Rd	Army Aviation Support - Holman Field	No	Minnesota Army National Guard, Minnesota Department of Military Affairs
MNR053CJ3	2209 Childs Rd	Flint Hills Resources Pine Bend LLC - St Paul	No	Flint Hills Resources Pine Bend, LLC - St. Paul
MNR053CNY	515 Cleveland Ave N	Metro Transit - Overhaul Base	No	Metro Transit
MNR053CP7	820 L Orient St	Metro Transit - East Metro Garage	No	Metro Transit
MNR053CQY	2576 Doswell Ave	Metro Metals Corp	No	Metro Metals Corp
MNR053CSG	1303 Red Rock Rd	AMG Resources Corp.	No	AMG Resources Corp.
MNR053CSY	228 Sycamore St W	Atlas U Pull	No	ATLAS UPULL LLC
MNR053CV2	270 Airport Rd	St. Paul Flight Center	No	St Paul Flight Center
MNR053D66	90 Fish Hatchery Rd	Dayton's Bluff Yard	No	BNSF Railway Co
MNR053DJC	2313 Wycliff St	Precision Coatings Inc	No	Precision Coatings, Inc.
MNR053DNV	711 Eaton St	Best Jets International	No	Best Jets International
MNR053DW2	1 Ridder Cir	First Transit, Inc. #55872	No	First Transit, Inc.
MNR053DYX	80 Arlington Ave East Suite B & C	First Student, Inc. #11762A	No	First Student Inc
MNR053F2D	340 Broadway St	Metro Transit - Green Line Operation and Maintenance	No	Metro Transit
MNR053F6B	637 Barge Channel Rd	Ingredient Transport	No	Ingredient Transport
MNRNE359L	2020 7th St W	Custom Rock Formliner	Yes	customer rock
MNRNE37SH	5000 Township Pkwy Ste A	Med-Tech Center	Yes	MedTech Center
MNRNE37ZB	1319 Pierce Butler Rte	Twin City Metalfab, Inc.	Yes	Twin City Metal Fab Inc
MNRNE37ZP	223 Plato Blvd E	Tursso Companies, Inc	Yes	Tursso Companies, Inc
MNRNE3845	410 Fillmore Ave E	3M - Building 76	Yes	3M company
MNRNE385Q	2020 Energy Park Dr	Larkin Industries, Inc.	Yes	Larkin Industries Inc
MNRNE38FV	300 Atwater St	Northern Screw Machine Co., Inc	Yes	Northern Screw Machine Co., Inc
MNRNE38HB	3560 Hoffman Rd E	ANDREWS KNITTING MILLS BUILDING LIMITEDPARTNERSHIP	Yes	Andrews Knitting Mills Inc
MNRNE38HM	314 Eva St	USPS St. Paul Vehicle Maintenance Facility	Yes	United States Postal Service
MNRNE38Q5	1835 Energy Park Dr	minnesota wire	Yes	Minnesota Wire
MNRNE38YF	878 Stryker Ave	Palindrome	Yes	Palindrome, Inc.
MNRNE3929	355 State St	Viking Drill & Tool Inc	Yes	Viking Drill & Tool Inc
MNRNE399W	1966 Benson Ave	Amidon Graphics	Yes	Paul S Amidon & Associates Inc
MNRNE39HN	1457 Iglehart Ave	Loes Enterprises Inc	Yes	Loes Enterprises
MNRNE39LD	155 Randolph Ave	Former High Bridge Coal Generating Facility	Yes	Northern States Power Company d/b/a Xcel Energy
MNRNE39RP	888 Minnehaha Ave E	3M - IMP, Saint Paul Building 27	Yes	3M company
MNRNE39RR	42 Water St W	Kindeva Drug Delivery L.P.	Yes	Kindeva Drug Delivery LP

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Site Permit #	Site Address	Facility Name	Does MPCA consider Site No Exposure	Owner Name
MNRNE39WL	1927 Case Ave E	3M - Saint Paul Distribution Center	Yes	Ras Properties LLC
MNRNE39Y8	431 Griggs St N	Rayven Inc.	Yes	Rayven Inc
MNRNE3BHP	1605 Iglehart Ave	Co-operative Plating Co	Yes	Co-operative Plating Co
MNRNE3BLL	1220 Energy Park Dr	Demmer Investments IV, Inc. dba Quality Tool	Yes	Demmer Investments IV dba Quality Tool
MNRNE3BT2	650 Pelham Blvd Ste 100	NOVUS @ LLC	Yes	Colliers International
MNRNE3CDW	1050 Westgate Dr	Impressions Inc.	Yes	Impressions Inc.
MNRNE3CHV	139 Eva St	Rexam BCNA	Yes	Rexam Beverage Can Co
MNRNE3CT7	1280 Energy Park Dr	GLS Companies	Yes	GLS Companies
MNRNE3CWV	432 Front Ave	AAA Metal Finishing, Inc.	Yes	AAA Metal Finishing, Inc.
MNRNE3CYW	181 Florida St	Aero Systems Engineering, Inc.-Florida Street	Yes	Apex Holdings LLC
MNRNE3D2B	2575 University Ave W Ste 180	Synovis Life Technologies Inc	Yes	Synovis Life Technologies
MNRNE3DQF	860 Vandalia St	Tech Dump - Vandalia	Yes	Tech Dump
MNRNE3DVY	550 Wheeler St N	Huot Manufacturing	Yes	Bondhus Corporation, Bondhus LLC
MNRNE3DX4	845 Minnehaha Ave E	The Vomela Companies	Yes	The Vomela Companies
MNRNE3DY6	124 Eva Street	Pier Foundry & Pattern Shop, Inc.	Yes	Pier Foundry & Pattern Shop
MNRNE3DYH	1225 Old Highway 8 NW	Cardiovascular Systems INC.	Yes	CSI
MNRNE3F2F	645 Olive St	Ideal Printers Inc	Yes	Ideal Printers Inc
MNRNE3F4C	821 Vandalia St	AGGRESSIVE INDUSTRIES INC	Yes	Aggressive Industries Inc
MNRNE3F6J	930 Duluth St	Ray Anderson & Sons/ Anderson's Dumpster Box Service/	Yes	Ray Anderson & Sons

SPILL REPORTING FORM

City of Saint Paul - Department of Parks and Recreation

INSTRUCTIONS

EMPLOYEE: Form should be filled out as completely as possible, on the same day as the spill occurred, by the individual involved in the spill. Describe all the events in as much detail as possible, especially the cleanup activities. If you have any questions regarding this form, contact your supervisor, or Environmental Services staff (651-632-5111). When completed, return form to your supervisor.

SUPERVISOR: Please return form as soon as possible to Adam Robbins, Como Central Service Facility.

Date of Spill:_____ Name (PRINT):_____

Time of spill:_____ Supervisor:_____

Section:_____ Phone number to reach you:_____

What was spilled?:_____

How much was spilled?:_____

Did the spill flow into a sewer? If yes, what type of sewer (sanitary, storm or unknown)?

_____

What type of surface did the spill occur on (soil, concrete, etc)?:

_____

Location of Spill (Be specific- address, intersection, exact location):

_____

_____

Describe what was happening when the spill occurred:

_____

_____

_____

What caused the spill (overfill, broken line, etc)? Be specific:

_____

Describe how the spill was cleaned up:

_____

_____

How were the spill cleanup materials disposed of?:

_____

List the names of other employees involved in the spill or cleanup:

_____

Was the MN Duty Officer called (651-649-5451)? _____

If yes: Who called?_____ Date_____Time_____

Duty Officer Report #:_____PCA Spill #_____

Employee Signature:_____

Spill Kit Instructions

Stop source of spill, if it can be safely done. If not, immediately call the Minnesota Duty Officer.

Contain spill. Wear gloves. Your first priority is to protect the spill from flowing into a storm sewer or drain. Use the 3" x 4' socks to create a barrier between the spill storm sewers/drains. Use the pillows to absorb pools of contained material (up to a half gallon per pillow). Small spills can be cleaned up with the absorbent pads.

Contact your supervisor or Environmental Services staff as soon as it is safe/practical to do so. If neither are available, contact the MN Duty Officer.

Complete a spill report form for all spills, **regardless of size**. The Minnesota Duty Officer must be notified for:

Petroleum (gasoline, diesel, hydraulic fluid, oil) spills of unknown amounts or over 5 gallons
Non-petroleum (antifreeze, pesticides, etc) spills of any amount

Phone Numbers
Environmental Services – (651) 632-5111
MN Duty Officer – (651) 649-5451

Disposal of used materials:
Used socks, pads and pillows should be placed in yellow hazardous waste bags found in the spill kit. Materials used to soak up petroleum spills should be disposed of in the 55 gallon barrel marked "Used Oil Sorbents" in the fuel shed at the Como Central Service Facility. For instructions on how to dispose of materials used to clean up non-petroleum substances, contact your supervisor or Environmental Services staff.

Replace used spill kit items promptly. All materials found in your spill kit are available from the Storeroom at the Como Central Service Facility.

FACILITY SPILL KIT INVENTORY	**qty**	**type**
kit absorbs ~8 gallons	30	17"x19" pads
	3	3"x4' socks
	4	2"x10"x10" pillows
	4	Hazardous Waste Bags
	2	Pair Nitrile Gloves
	4	Spill Reporting Forms

VEHICLE SPILL KIT INVENTORY	**qty**	**type**
kit absorbs ~5 gallons	10	17"x19" pads
	2	3"x4' socks
	2	Hazardous Waste Bags
	1	Pair Nitrile Gloves
	4	Spill Reporting Forms

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SAINT PAUL PARKS AND RECREATION

POLICY

DEPARTMENT

NUMBER: DIV. 4.4.2
PLACEMENT: Physical Resource Management
EFECTIVE DATE: 03/2010
UPDATED: 03/10

SUBJECT: Water Protection Policy

PURPOSE: To protect natural water bodies through the use of best management practices by all employees working near rivers, streams, lakes, ponds, and/or near storm sewers and impervious surfaces that lead to such water.

SCOPE: All Parks and Recreation employees.

POLICY STATEMENT:
As stewards of the environment, employees will take all precautionary measures to protect local water resources. The Department is committed to maintaining compliance with applicable environmental laws and regulations and to continually improve operations to prevent pollution of waterways that can harm local ecosystems and public health. This policy applies to any intentional act or unintentional act resulting from poor or neglectful work practices.

PROCEDURES (AND/OR REQUIREMENTS, EXPECTATIONS):

1. No dirt, silt, vegetation, organic material, debris, or other foreign materials will be deposited into any river, lake, stream, pond, or into any sewer system that leads to such water.

2. Employees will not blow, broom, sweep, whip, or shovel anything including dirt, silt, sand, debris, weeds, or other organic material into such body of water.

3. While performing work near such water, all debris will be picked up and removed from the site to be properly disposed of. In the event that an employee is not sure of proper disposal, the Supervisor should be called immediately.

4. No dirt, grass, organic material, debris or other foreign materials shall be intentionally deposited onto streets or other impervious surfaces without a plan for its immediate removal. This includes anything that may enter the sewer system. Exception: Sand/salt/deicers approved for controlling snow and ice when used appropriately.

5. When sweeping boulevards or edging curbs, a plan is required to immediately remove all dirt and debris deposited into the street. This may mean coordinating the clean up with Public Works or other street sweepers prior to the start of the job. If rain is expected, work should be delayed.

SAINT PAUL PARKS AND RECREATION

POLICY

DEPARTMENT

REQUIRED ITEMS AND/OR RELATED INFORMATION:

SECTION MANAGER'S RESPONSIBILITIES	SUPERVISOR'S RESPONSIBILITIES	EMPLOYEE'S RESPONSIBILITIES
Ensure all employees under his/her jurisdiction are aware of this policy and procedures.	Advise all employees of this policy and procedures.	Adhere to the policy.
Ensure that supervisors in his/her section enforce this policy and procedures.	Ensure that employees follow this policy and procedures.	Follow the procedures.
	Issue warnings or initiate disciplinary action as needed to ensure employee compliance.	Ask for additional training if needed.

Owner: Karin Misiewicz, Parks Supervisor **Next Review Date:** 02/11

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POLICY STATEMENT:
As stewards of the environment, employees will take all precautionary measures to protect local water resources. The Department of Public Works is committed to maintaining compliance with applicable environmental laws and regulations and to continually improve operations to prevent pollution of waterways that can harm local ecosystems and public health. This policy applies to any intentional act or unintentional act resulting from poor or neglectful work practices.

PROCEDURES (AND/OR REQUIREMENTS, EXPECTATIONS):

1. No dirt, silt, vegetation, organic material, debris, or other foreign materials will be deposited into any river, lake, stream, pond, or into any sewer system that leads to such water.

2. Employees will not blow, broom, sweep, whip, or shovel anything including dirt, silt, sand, debris, weeds, or other organic material into such body of water.

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5. When sweeping streets or edging curbs, a plan is required to immediately remove all dirt and debris deposited into the street. This may mean coordinating the clean up with other street sweepers prior to the start of the job. If rain is expected, work should be delayed.

Policy Approval:

_____

Kathy Lantry, Public Works Director

Next Review: November 1, 2021

BRAUN INTERTEC

the science you build on

SAINT PAUL

City of St. Paul Illicit Discharge Detection and Elimination (IDDE)

Field Guide Summary

June 27, 2025

What is an MS4?

- The MN Pollution Control Agency (MPCA) issued the first Municipal Separate Storm Sewer System (MS4) NPDES Permit to the City of St. Paul on December 1, 2000. The City's MS4 Permit was reissued in 2011, 2018, and most recently in 2025.
- The reissued permit requires submittal of a revised Stormwater Management Program (SWMP) that details the City's activities to manage stormwater.
- The St. Paul SWMP was developed and is administered by various City Departments that are responsible for stormwater-related activities. Included are the Public Works Department, St. Paul Parks and Recreation Department, and the Department of Safety and Inspections.

City Stormwater Responsibilities

- **MCM 1: Public education and outreach**
  - (Adopt-a-Drain, Storm Drain Stenciling)
- **MCM 2: Public participation/involvement**
  - (CityWebsite,ComplaintLine,WaterFestand Snow Summit events)
- **MCM 3: Illicit discharge detection and elimination**
  - (Respond to spills and releases to the environment)
- **MCM 4: Construction site runoff control**
  - (Erosioncontrolondevelopmentandstreet projects)
- **MCM 5: Post-construction runoff control**
  - (Rain gardens, ponds, infiltration systems)
- **MCM 6: Pollution prevention/good housekeeping for municipal operations**
  - (Street cleaning, salt application, sewer cleaning, park maintenance, yard management)
- **MCM 7 (Section 20.17): Monitoring and analysis**
  - (Understandingstormwaterrunoffandpollutantscarried with it)

City of St. Paul Enforcement Roles for MS4 and Stormwater

Type of Property	Responsible Party
Private Property	Department of Safety Inspections (DSI)
Within City Right-of-Way	• Department of Public Works Right-of-Way Division • Police Department
City Park Property	Department of Parks of Recreation

St. Paul City Stormwater Codes

The City has a number of ordinances related to protecting the environment and managing stormwater:

- Chapter 51 (Allowable Discharges to the Storm Sewer System) defines pollutants to the City storm system and allows enforcement of illicit connections or discharges
- Chapter 52 (Stormwater Runoff) defines requirements for development, redevelopment ,and street projects occurring within the City
- Chapter 200 (Animals) defines requirements for cleaning up pet waste

Illicit Discharge and Elimination

- **What is it?**
  - "Illicitdischarge" means any discharge to a municipal separate storm sewer that is not composed entirely of stormwater

- **Why is it a concern?**
  - Stormsewershave direct connections to area waterbodies and the environment

- **What can we do?**
  - Receiveandparticipate in training to recognize discharges
  - Work with appropriate City Staff to address and enforce

- **There are allowable discharges related to groundwater, non-contact cooling water, fire suppression, etc.**

Examples of Illicit Discharges

- Sanitary sewer spills
- Sanitary wastewater illegally connected to or dumped into the storm sewer system
- Truck washing
- Discharges from residential laundry or carpet washwaters
- Effluent from septic tanks
- Pavement saw cutting slurry discharges
- Construction debris or sediment run-off
- Auto and household toxics such as used motor oil
- Liquid fertilizers and pesticides
- Spills from roadways
- Paint waste

Discharge of Oil

Discharge of Paint

Discharge of Drilling Mud

Discharge of Glycol

Sanitary Discharge,
Private Storm Drain

Tack Emulsion, Seal Coating

Sanitary Discharge, Urban Outfall

Sanitary Discharge to Storm Drain from RV

Examples of Allowable Non-Stormwater Discharges

- Non-stormwater that is authorized by an MPCA NPDES point source permit;
- Fire-fighting activities and fire suppression systems;
- Water line flushing or other potable water sources;
- Landscape irrigation or lawn watering;
- Diverted stream flows;
- Groundwater;
- Foundation or footing drains

Examples of Allowable Non-Stormwater Discharges (cont.)

- Air conditioning condensation;
- Springs;
- Non-commercial washing of vehicles;
- Natural riparian habitat and wetland flows;
- Street wash water discharges;
- Activities undertaken by the city, or by written authority of the city, deemed necessary to protect public health, welfare, or safety; and
- Any other water source not containing a pollutant.

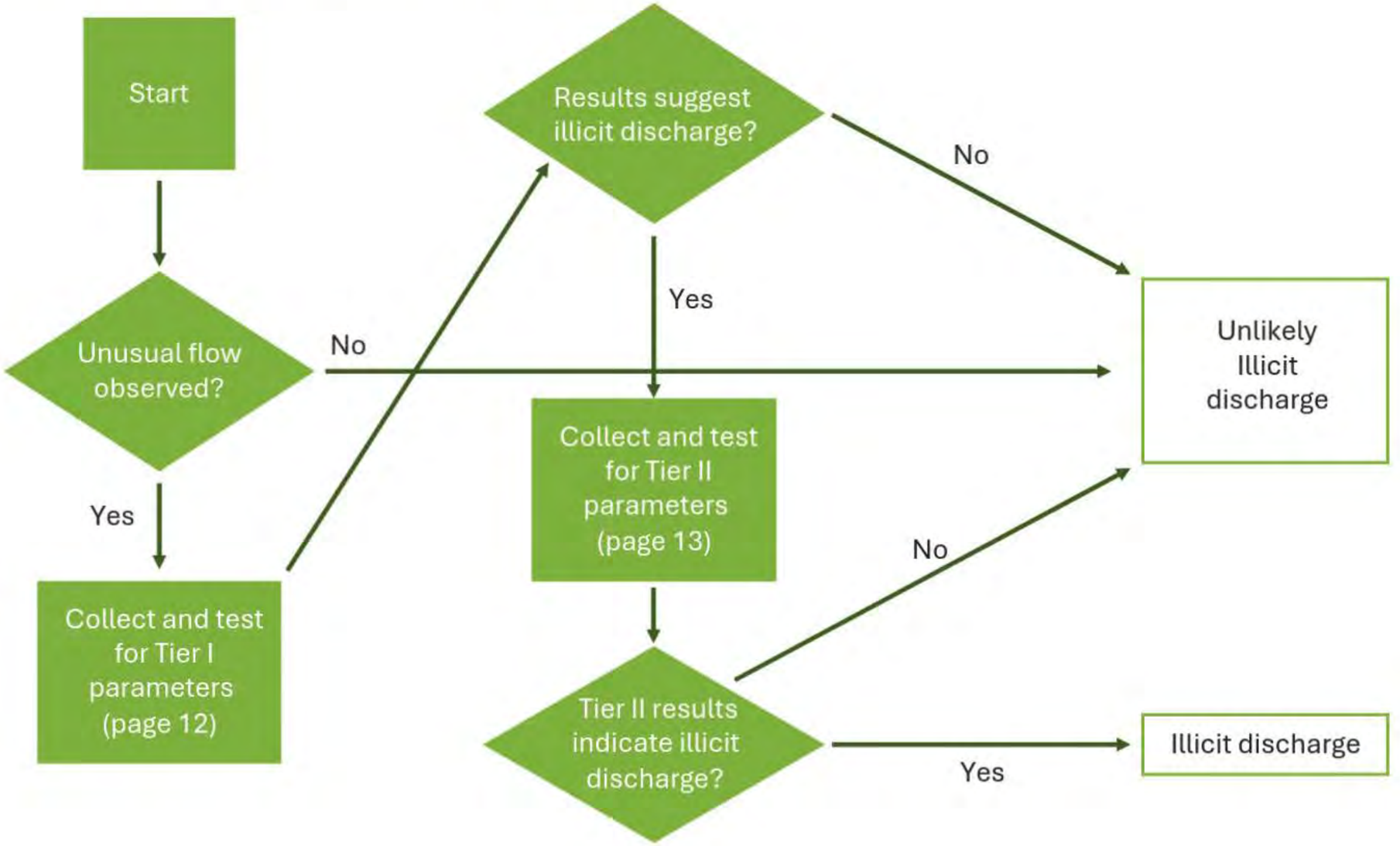
What About Swimming Pool and Hot Tub Water?

MPCA's Swimming Pool and Hot Tub Water Discharges Best Management Practices (Oct. 2008)

- Stop chlorination 3-4 days before draining
- Expose to sunlight (UV)
- Discharge to ground surface (lawn) with energy dissipation (reduced outlet, onto a tarp, sand bags, etc.) to reduce scour and erosion
- Do not discharge directly to stormsewer, stormwater pond, raingarden wetlands, creek, etc.

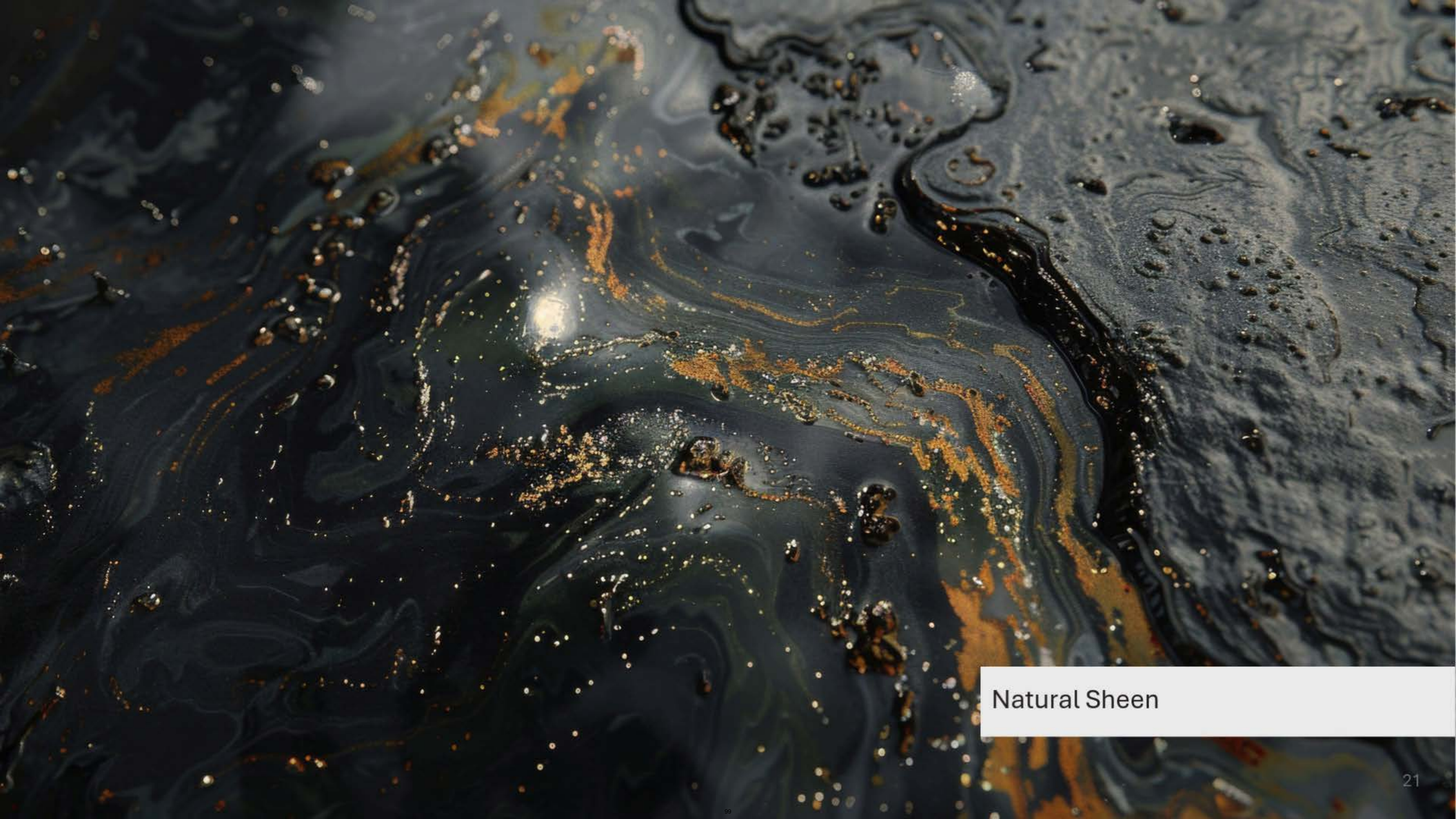
Illicit Discharge Investigations

Illicit Flow Detection Flowchart



Physical Indicators

- Flow
- Color
- Odor
- Turbidity
- Sewage, Sheens & Surface Scum



Natural Sheen

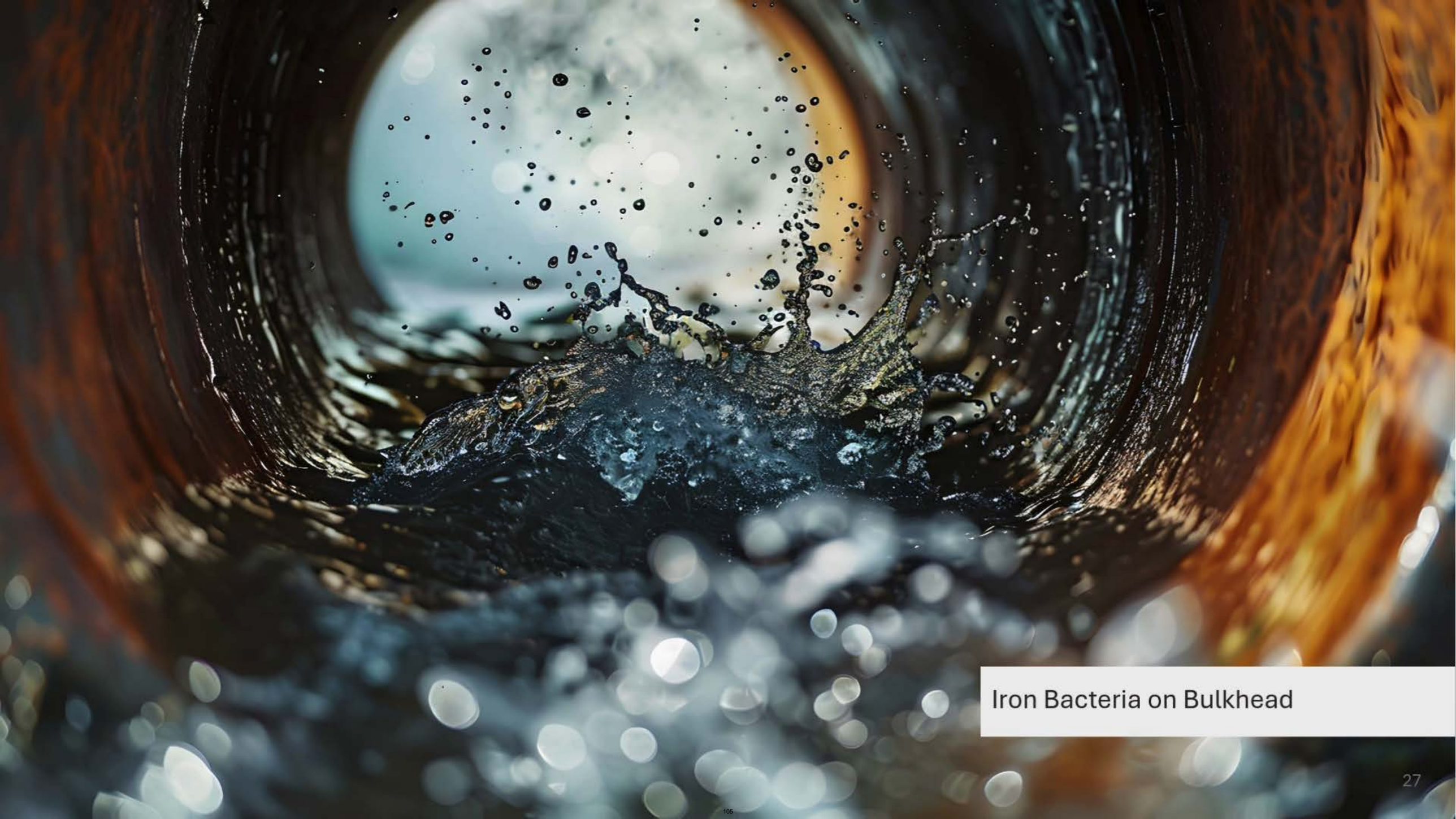
Synthetic Sheen


Low Severity, Naturally Occurring Suds

High Severity Suds

Fish Kill

Algae Bloom



Iron Bacteria on Bulkhead

Chemical Indicators

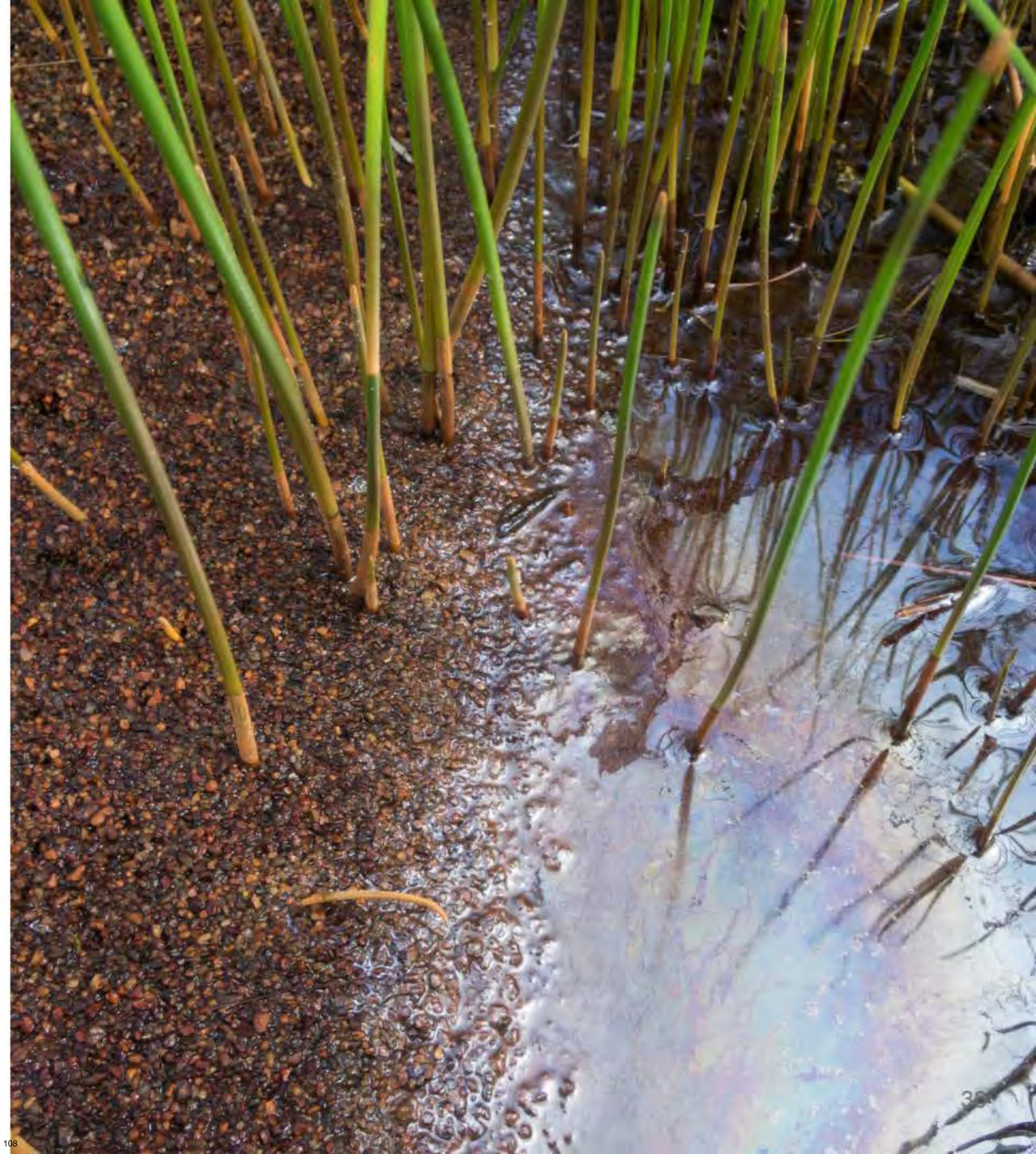
- Water temperature
- Tier I chemical parameters
- Tier II chemical parameters

Tier I Chemical Parameters

- Ammonia
- Boron
- Potassium
- Fluoride
- GRO, DRO, VOCs
- pH
- Temperature

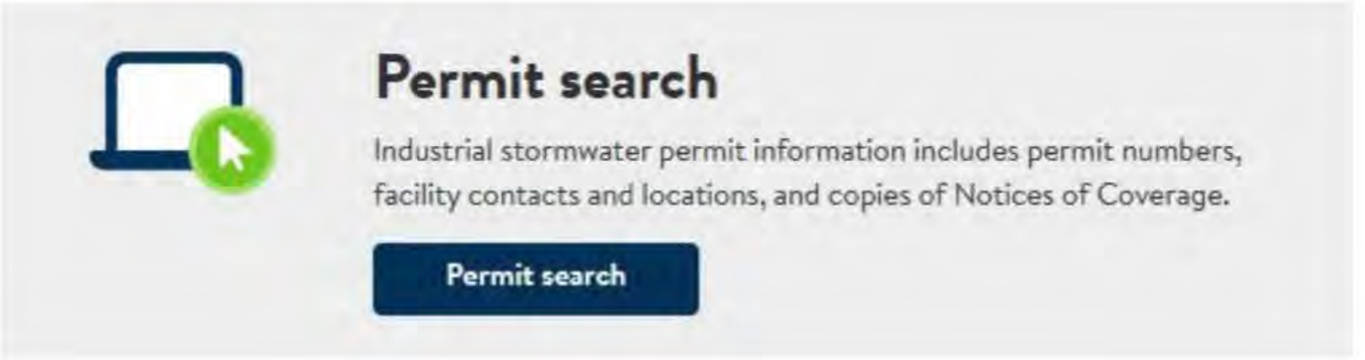
Tier II Chemical Parameters

- Bacteria (fecal coliform)
- Dissolved oxygen
- Conductivity
- Iron bacteria
- RCRA metals
- Surfactants
- Hardness



IDDE Maps of Industrial Sites in St. Paul

- Maps showing sites that have permitted Industrial Stormwater permits (ISW) will bemade available after the Minnesota Pollution Control Agency (MPCA) issues ISW permits in late 2025
- Information for all ISW permitted facilities is available at the MPCA's permit search portal (https://www.pca.state.mn.us/business-with-us/industrial-stormwater



Summary

1. City is required and has made commitment to minimize IDDE
2. If you suspect IDDE, notify your supervisor
3. Use logic and IDDE protocols to investigate potential IDDEs
4. Be safe!

BRAUN INTERTEC

the science you build on

SAINT PAUL

THANK YOU!

Erosion Control Impacts to Waters

Andrew Hogg, DSI – Zoning
Water Resource Coordinator
Phone 651.266.9122 Andrew.hogg@ci.stpaul.mn.us

SAINT PAUL
MINNESOTA

STPAUL.GOV

Water Quality Ordinance

Chapter 51.
Allowable Discharges to the Storm Sewer System

This Ordinance shall be in full force and effect thirty days (30 days) from and after its passage, approval, and publication.

At a meeting of the City Council on 2/13/2013, this Ordinance was Passed.

Yea: 7 Councilmember Bostrom, Councilmember Brendmoen, Councilmember Carter III, City Council President Lantry, Councilmember Stark, Councilmember Thune, and Councilmember Tolbert

Nay: 0

Vote Attested by Council Secretary Trudy Moloney **Date** 2/13/2013

Approved by the Mayor Chris Coleman **Date** 2/20/2013

Focus of Local Control

- Keep pollution out of the storm sewer system
  - Curb and gutter
  - Catch basins
  - Pipes
- Broadly prohibits “non-stormwater”
- Specific requirement of Clean Water Act

Sec. 51.03: Non-stormwater discharges

- No person shall cause any non-stormwater discharges to enter the city's municipal separate storm sewer system, or to any surface waters within the city

CITY OF SAINT PAUL
Melvin Carter III, Mayor

Public Works
Right-of Way Division

Telephone 651-266-6151
Facsimile: 651-266-9765
Email: PW-ROWpermits@ci.stpaul.mn.us

EROSION AND SEDIMENT CONTROL FOR UTILITY PROJECTS IN THE RIGHT-OF-WAY

It is essential to prevent dirt, debris, oils and other waste from entering storm drains or water resources.
(See official Public Works Right-of-Way Erosion Control Policy, dated 2/23/2015)

Erosion and sediment control devices are REQUIRED for any utility construction or grading project that will result in significant land disturbing activity in the public right-of-way.

- Inlet protection and perimeter control must be installed BEFORE any land disturbance begins.
- Temporary land stabilization practices should be installed:
  - Daily for temporary stockpiles on or near street (including plastic cover); *and*,
  - Within 7 days after work is completed over all disturbed areas not on or near the street (including temporary seeding of spoil piles though seeding and mulching).
- Refer to the Mn/DOT Pocketbook Guide (2017) for guidance to preventing pollutants from leaving construction sites: https://www.erosion.umn.edu/resource-links/pocketbook-guide

PUBLIC WORKS – STANDARD PLATES for TEMPORARY SEDIMENT CONTROL
https://www.stpaul.gov/departments/public-works/standard-plates/sewers-appurtenances

TEMPORARY SEEDING AND MULCHING, OR PLASTIC COVER

Temporary seeding and mulching quickly protects the soil from erosion until establishment of permanent stabilization. Applicable areas include any topsoil stockpiles and any areas disturbed by grading activities.

For areas that must be stabilized each day (located on or near the street) plastic cover should be used instead.

STORM DRAIN INLET PROTECTION

Storm drain inlet protection prevents sediment from entering a storm drain by surrounding or covering the inlet with a filtering material. This allows sediment-laden runoff to pond and settle before entering the storm drain.

Filter types are shown in Public Works standard plates 2400A, 2401, and 2402. Protection(s) must be removed upon completion of work.

DEWATERING TREATMENT

Site-specific devices, including flocculant pipes or socks, can be used to reduce sediment in pumped discharge. Refer to Public Works standard plate 2403 for controlling dewatering activities.

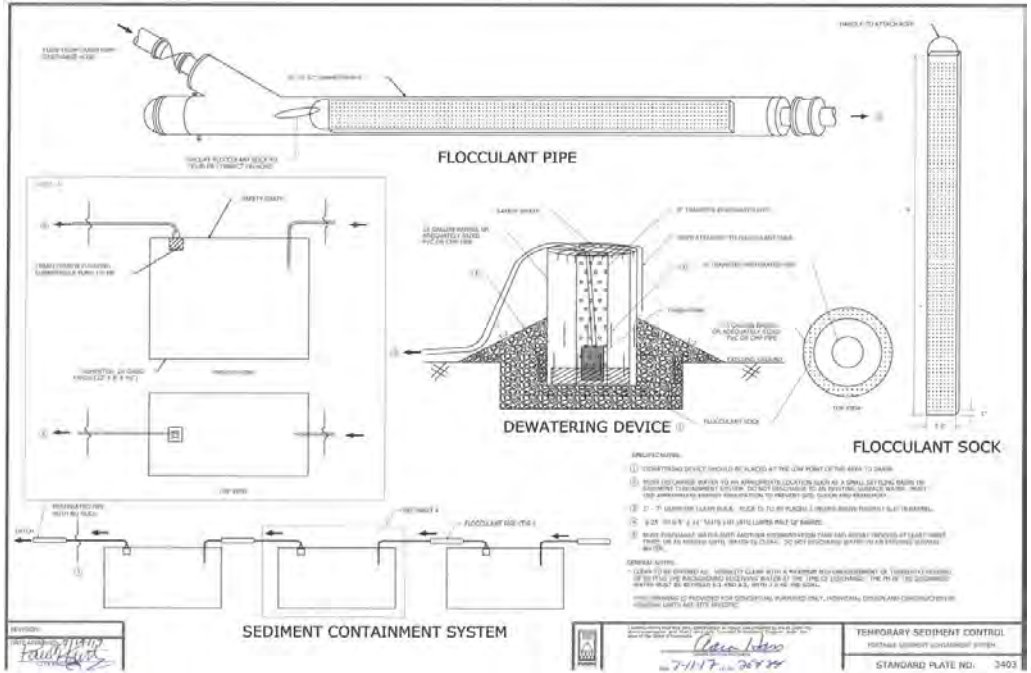
Clear discharge is defined as a maximum NTU reading of 50 plus the background receiving water at the time of discharge.

DAILY AND AS-NEEDED STREET SWEEPING

Street sweeping is used to clean the pavement and curb-line area on a regular basis to remove tracked sediment, debris, and other pollutants from paved surfaces.

Rev. 2020

Plate 2403


FLOCCULANT PIPE
DEWATERING DEVICE
FLOCCULANT SOCK
SEDIMENT CONTAINMENT SYSTEM
TEMPORARY SEDIMENT CONTROL
STANDARD PLATE NO. 3403

CITY OF SAINT PAUL

Erika Ludins, ROW Manager

899 North Dale Street
Saint Paul, MN 55103-1513
ROW Division - Permits
Facsimile 651-266-9765
Telephone 651-266-6151 *www.stpaul.gov*
Email:

Right-of-Way CITY PLAN REVIEW Submittal Form
(this is NOT a PERMIT Application)

1) Submit this Application Form & Engineer Grade 'D' Drawings in PDF format to PW-ROWpermits@ci.stpaul.mn.us
2) Each page of Excavation Plans Shall Be Signed by a Minnesota Certified Civil Engineer.
3) When Approved, an Approval Letter and if needed, a Review List with Conditions will be emailed to the Applicant.
4) Following PLAN Approval, you may request a ROW PERMIT. Refer to the PLAN NUMBER assigned when requesting a permit.

(please print & check items affected) **Do Not Combine Excavations & Obstructions on the same application, Submit Separately**

PLAN TYPE: ☐ Excavation (Buried Work) or ☐ Obstruction (Aerial, Pulling in Existing Ducts)

Applicants Nam

Email Address:

Company Name

Billing Address:

Company Job/Tl

ALL APPLICANTS MUST BE REGISTERED WITH THE ROW DIVISION PRIOR TO PLAN or PERMIT APPROVAL

DESCRIPTION OF WORK: Construction of fiber via directional bore along Energy Park from Lexington Pkwy N westerly 4896'

Describe Project: Bore 500' of Duct & Fiber On X St-Y St to Z St, or Place 1000' of Aerial Cable in alley N of M St-N St to O St, or Install (3) poles on A St, or Pull 100' of Fiber in existing conduit ACR State St-Fillmore to Plato for Service at 10 River Park Plaza.
(What work is being done, Linear Ft or Qty, and Where is it being done)

LOCATION:
Address Energy Park Drive **From Street** Lexington Pkwy N **To Street** Snelling Ave
or Cross St _____ **or Corner (NWC, SWC, etc)** _____

EXCAVATION INFORMATION (Mark all that apply):
Excavation Linear Length (ft) in ROW 4,896

Installation: Poles ☐ Conduit ☑ Fiber ☑ Metallic Cable ☐ MH/Hand Holes ☑ Small Cell on New Pole ☐

Placement Method: Directional Bore ☑ Open Trench ☐ Saw Cut ☐ Dig ☐

OBSTRUCTION INFORMATION (Mark all that apply):
Obstruction Linear Length (ft) in ROW _____

Pull thru Existing Ducts ☐ Aerial Placement: New ☐ or Over-Lash ☐

FORECAST CONSTRUCTION SCHEDULE: Start Date: 10/02/2020 Complete Date: 06/30/2021

By signing this application, I (the applicant/company) hereby acknowledge that I must adhere to all provisions of City of Saint Paul Ordinance Numbers 116, 135 and any other applicable ordinances. The applicant shall also comply with the regulations of all other governmental agencies for the protection of the public.

APPLICANTS SIGNATURE: _____ **DATE:** _____

Outreach

CITY OF SAINT PAUL
Melvin Carter, Mayor

375 Jackson Street Suite 220
Saint Paul, MN 55101-1806

Telephone: 651-266-8989

November 18, 2020

WATER QUALITY COMPLAINT

To whom it may concern:

It has come to our attention that persons acting on behalf of . may have improperly conducted activities including discharging unauthorized liquid material into the city's municipal storm sewer system along Energy Park Drive, between Lexington Pkwy N and Snelling Ave.

A complaint was received by the Capital Region Watershed District and forward to city staff on November 3, 2020, regarding allegations of illicit wastewater drainage into the municipal storm sewer generated from nearby utility boring.

Local regulations prohibit non-stormwater discharges to enter the city's municipal storm sewer system (Saint Paul Legislative Code 51.03a). This regulation implements federal Clean Water Act protections.

2023 UTILITY COORDINATION MEETING

CITY OF SAINT PAUL
Melvin Carter III, Mayor

Public Works
Right-of Way Division

Telephone: 651-266-6151
Facsimile: 651-266-9765
Email: PW-ROWpermits@ci.stpaul.mn.us

The Most Livable City in America

EROSION AND SEDIMENT CONTROL FOR UTILITY PROJECTS IN THE RIGHT-OF-WAY

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PUBLIC WORKS – STANDARD PLATES for TEMPORARY SEDIMENT CONTROL
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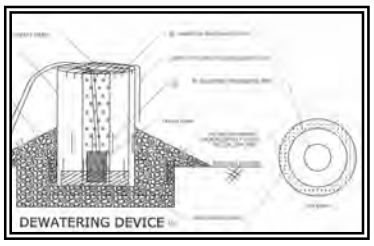

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DAILY AND AS-NEEDED STREET SWEEPING
Street sweeping is used to clean the pavement and curb-line area on a regular basis to remove tracked sediment, debris, and other pollutants from paved surfaces.

CITY OF SAINT PAUL
Christopher B. Coleman, Mayor

Public Works
Right-of-Way Division

Telephone: 651-487-7250
Fax: 651-487-7245

ROW Erosion and Sediment Control Worksheet

Project: **Project File No.**:

Property Address:

Inspection Date: **Re-inspection Date**:

Inspection Type: **Size of Site**:

Inspection Results

Sewer Inlet Protection:

Comments:

Street Condition:

Comments:

Silt Fence/Sediment Control:

Comments:

Stock Pile On or Near Street:

Comments:

Stock Pile Not On or Near Street:

Comments:

Corrective Action:

Comments:

Staff Procedure - Review Checklist for Site Plan Erosion Control
revised 2018

Project Name and/or Address:_____ Site Plan Review Date:_____

1. Does this project result in moving 50 cubic yards or more or will building permit be issued?
   Unless grading activity is included in a general building permit, a grading permit shall be required for the placement, removal or movement of more than fifty (50) cubic yards of fill
   ☐ Yes – Continue ☐ No – Stop

2. Does this project disturb greater than 10,000 square feet?
   Grading activities in excess of ten thousand (10,000) square feet require site plan review in accordance with section 61.402(a) of the Saint Paul Legislative Code.
   ☐ Yes – Continue ☐ No – Complete erosion control review per §33.03(g)3

3. Does this project disturb greater than 1-acre?
   If yes, MPCA Construction Stormwater Permit required; verify watershed permit.
   ☐ Yes – Continue per §52.04 ☐ No – Complete erosion control review per §61.402(c)(11)

Document on this form, or other form as appropriate, the adequacy of erosion and sediment control. Use the minimal criteria below as a starting point for beginning the standard procedure.

Indicate plan sheets containing erosion control methods:

	CRITERIA	OK	Issue	N/A	Comment
	Rock construction entrance identified on plans				
	Perimeter protection				
	Inlet protection for catch basins				
	Street sweeping note on plans				
	Stabilization shown for disturbed areas				
	Other items as scope of work requires				

Supplemental Plan Information
Disturbed area:
Permanent runoff control practice(s):

Staff Notes for site plan revision/approval:

Procedure

1. Review plan in accordance with grading §33.03(g)3, site plan review and approval §61.402(c)(11) and/or stormwater pollution control plan §52.04. (MPCA "Manual for Protecting Water Quality in Urban Areas")
2. Document plan review comments in Site Plan Review Committee conditional approval letter.
3. Document plan review decision in Site Plan Review approval letter. State if MPCA Construction Stormwater Permit is required; if so, approval contingent on obtaining permit card, verified at https://cf.pca.state.mn.us/water/stormwater/csw/search.cfm

DEPARTMENT OF SAFETY AND INSPECTIONS
Ricardo X. Cervantes, Director

CITY OF SAINT PAUL
Christopher B. Coleman, Mayor

375 Jackson Street, Suite 220
Saint Paul, Minnesota 55101-1806

Telephone: *651-266-9090*
Facsimile: *651-266-9124*
Web: *www.stpaul.gov/dsi*

Standard Operating Procedures for Erosion and Sediment Control Complaint

1) Someone sees an erosion and sediment control issue (dirt on street, etc).
- They should call the City Complaints Office: 651-266-8989

2) Complaint is passed on from Complaints Office to Senior Building Inspector (651-266-9021)

3) Building Inspector follows up on complaint using DSI Erosion and Sediment Control Worksheet

4) If Building Inspector determines source is from the Public Right-of-Way (ROW) or from City Construction Projects the complaint will be forwarded to the Public Works Inspectors –
- For Private Utility Construction in ROW: 651-487-7250 (General Number for ROW Permit Section)
- For City Construction Projects: 651-266-6081 (Street Engineering Construction Division)

Public Works Inspector will inspect and follow up accordingly

5) First Inspection
- DSI Erosion and Sediment Control Worksheet completed
- If site is non-compliant: Building Inspector issues immediate verbal order, if possible, or issues a written order if no one is on site, to address situation, sets a compliance date based on the nature of the complaint, and notes details of non-compliance in Worksheet

6) Second Inspection
- Building Inspector Conducts 2nd inspection of site after compliance date
- 2nd DSI Erosion and Sediment Control Worksheet completed
- If continued non-compliance: Building Inspector issues written orders, sets a new compliance date based on the nature of the complaint, and notes details of non-compliance in Worksheet

7) Third Inspection
- Building Inspector Conducts 3rd inspection of site after compliance date
- 3rd DSI Erosion and Sediment Control Worksheet completed
- If continued non-compliance, proceed with stopping construction work at the site, or submitting the violation to the City Attorney for potential prosecution, or pursue abatement if sediment crosses boundary of the site and project is greater than 1 acre.

DEPARTMENT OF SAFETY AND INSPECTIONS
Bob Kessler, Director

CITY OF SAINT PAUL
Christopher B. Coleman, Mayor

375 Jackson Street, Suite 220
Saint Paul, Minnesota 55101-1806

Telephone: *651-266-9090*
Facsimile: *651-266-9124*
Web: *www.stpaul.gov/dsi*

Erosion and Sediment Control Worksheet

Property Address:

Inspector:

Permit # (if applicable):

Inspection Date:

Re-inspection Date:

Inspection Type:

Size of Site:

Inspection Results

Sewer Inlet Protection:

Comments:

Street Condition:

Comments:

Rock Entrance:

Comments:

Concrete Washout Area:

Comments:

Silt Fence/Sediment Control:

Comments:

Stock Pile Erosion Control:

Comments:

Site Erosion Control:

Comments:

Corrective Action:

Comments:

DATE: April 10, 2026
TO: Pat Murphy, PE, City of St. Paul Sewer Utility
FROM: Forrest Kelley, PE, Facility Management Division Manager
RE: Snelling-Midway Superblock Rainwater Reuse System Annual Report

---

Background

Capitol Region Watershed District (CRWD) and City of St. Paul have partnered to operate and maintain the rainwater reuse system installed as part of construction of Allianz Field and the surrounding 35- acre redevelopment of the former Midway Shopping Center and Metro Transit Bus Barn property, termed the Snelling-Midway Superblock. This memorandum serves to summarize the activities conducted during operation of the system in 2025 and satisfy Parts 4.A. and 5.C. of the Cooperative Agreement for Maintenance of Green Infrastructure at Snelling-Midway.

2025 Operation

Since 2019 CRWD has contracted with Harris Companies to complete all tasks associated with operating the rainwater treatment, delivery, and monitoring components of the rainwater pump station within the underground Vault 200 structure, the pumping system within structure 251, and the outlot distribution pipes to the private parcels. Operation and maintenance of the irrigation system outside of the vault is the responsibility of the private landowners. Currently, all landscape irrigation at the superblock is managed by the Head Groundskeeper at MN United FC. The system currently irrigates approximately 2.55-acres including the Great Lawn, tree trenches, and other landscaped areas surrounding the exterior of Allianz Field. The source water is collected from 3.9-acres of stadium rooftop.

The rainwater reuse system startup activities were completed April 18, 2025, and the irrigation lines were blown out for system shut down for the season on November 7, 2025, resulting in a total irrigation season of 203 days. The table below provides annual costs to operate the system, total rainwater used, and the volume and cost of domestic water used for irrigation. Maintenance costs for 2025 totaled $5,521. This does not include CRWD or City staff time to administer the contracts and direct work, or the annual subscription fee for OptiRTC ($13,333 for three years from 2023-2026).

Performance

Flow data, environmental monitoring, and alarm information collected by the Rainwater Management Systems (RMS) controller is pushed to the City's Supervisory Control and Data Acquisition (SCADA) system. In April of 2021, data streams for Inlet Flow Meter, Irrigation Flow Meter, Drain Flow Meter, Recirculation Flow Meter, City Water Flow Meter, Outlot Flow Meter, and Inlet and Supply Pressure were added to the Opti RTC dashboard. According to data provided on the Opti dashboard, total water use for irrigation in 2025 was 1,216,396 gallons, with 196,048 gallons of domestic water use, resulting in approximately 1,020,348 gallons of treated rainwater use, or 84% of the total irrigation. Annual water use is displayed in the table below.

Year	2020	2021	2022	2023	2024	**2025**	Lifetime
Total Irrigation Used (gal)	1,093,185	3,985,567	3,498,146	2,770,182	1,716,261	**1,216,396**	14,279,737
Rainwater Used (gal)	693,302	1,206,071	599,596	651,350	1,111,513	**1,020,348**	5,282,180
Potable Water Used (gal)	399,883	2,779,496	2,898,550	2,118,832	604,748	**196,048**	8,997,557
Potable Water Cost ($4.52/100 cubic feet)	$2,416	$16,796	$17,515	$12,804	$3,654	**$1,185**	$54,370
Percent supplied by rainwater	63.42%	30.26%	17.14%	23.51%	64.76%	**83.88%**	36.99%
Operation and Maintenance Costs (USD)	$44,495	$37,784	$35,461	$37,152	$9,000	**$5,521**	$169,413

The volume of 1,216,396 gallons of irrigation corresponds to 17.57 inches of irrigation over the 2.55- acre area for the 2025 operational period. This is an average of 0.61 inches per week. Additionally, the University of Minnesota rain gauge recorded 28.57 inches of rainfall from April 18, 2025, through November 7, 2025. June 2025 was an exceptionally wet month, with around 2.70 inches more (7.28 inches total) than normal.

Treated rainwater usage is limited to the broadcast and drip irrigation systems. Construction of new private development began in 2025, but new irrigation areas were not added during the watering period. The turf area east of the great lawn was eliminated to make way for the Food Pavilion development. Review and discussions on full site water balance and use of the comprehensive stormwater system are ongoing, and new irrigation areas are expected to come online in 2026.

In early 2025, Water in Motion completed an irrigation system condition and function assessment to guide decision making on infrastructure needs and approaches to operate the irrigation as redevelopment continues. The attached memo recommends a centralized distribution and management approach that eliminates the need for individual day tanks. System performance in 2025 continued a trend of reduced potable water use and lower operating costs. The low flow rate and pressure issues downstream of the treatment skid appear to have been resolved based on the use data from late 2024 and throughout 2025.

While reused water is anticipated to be available for future private redevelopment in the Snelling-Midway Superblock in the near term, one of the recommendations is to consider upsizing the pipes within the vault to reduce flow restrictions and ensure demand can be met in the fully built-out condition. At this time, no upgrades are proposed, but function monitoring should continue to ensure demand for water is met with the existing pipe sizing within the vault

Issues

Repairs in 2025 consisted of a leaky booster pump shaft seal that was replaced. One of the two UV disinfection units failed in 2024 and still needs to be diagnosed for repair, the oxygen sensor for the atmospheric gas meter needs to be replaced, and one of the pressure sensors started to give intermittent readings towards the end of the season. Though technically no longer required to meet plumbing code, it would be best practice to get both UV disinfection units back online to run at full flow capacity and reduce risk of public contact with bacteria that may be present in the rainwater.

Recommendations for 2026

Recommendations for system operation in 2026 are below:

1. Complete maintenance and repair of the UV disinfection, install and calibrate the oxygen sensor, and diagnose pressure sensor issues.
2. Continue to operate without the Ozone injection and recirculation system to direct more flow to irrigation booster pumps.
3. Continue to operate without the bag and carbon filters installed to reduce flow restrictions.
4. Complete hydrovac removal of sediment within MH 251 (City to coordinate contractor).
5. Monitor performance as new developments come online to determine if the recommendations

Next Steps

At $5,521, total invoices for 2025 were the lowest since the system came online in 2019. The cooperative maintenance agreement between CRWD and St. Paul was extended for an additional 5-years in 2024, and includes an annual budget of $50,000. No changes to the agreement are proposed, and CRWD will coordinate with the stakeholders to schedule system start up for the 2026 irrigation season.

enc: CRWD Memo and Irrigation System Assessment
Harris 2025 Service Invoices
Sage Accounting Output - Paid Invoices
2025 Water Balance Table

Annual Assessment of Winter Operations

Assessment Year: 2025

Total Snowfall: 45.9” (https://www.weather.gov/mpx/mspclimate)

Weather Summary from NOAA/National Weather Service for Twin Cities attached

Quantities of Chlorides Used

Department	Non-treated	Treated	Sand/Salt Mix	Brine
Public Works	7,829.2 tons	3,641.6 tons	3.6 tons	83,536 gal
Parks and Recreation	77.3 tons	62.6 tons	28.9 tons	

Training Summary (name, number of attendees, etc.):

Public Works: 9/15-9/26 Snow Plow Operator Training 14 new employees, 32 refresher
11/4-11/5 Snow Operations Training 135 employees from Streets/Traffic/Sewers/Forestry
11/5 Smart Salting 18 employees recertifying, 68 maintained certification

Parks and Recreation:
October 2025 Snow Operations Training 61 employees

Equipment Summary (calibration activities, equipment upgrades, etc.):

Public Works:
Annually calibrate 37 units.

Parks and Recreation:
Pursuing a scale in 2026-2027 for calibration purposes

Opportunities for reduced chloride application (seasonal parking lots/roads, reduced service, etc.):

Public Works:
Alternate side parking pilot areas allow for prioritized mechanical removal of snow, reducing chloride use.

Parks and Recreation:
Plowing fire lanes for emergency access to seasonally utilized parks/buildings
Prioritizing mechanical removal of snow at school sites

Reasons for increased chloride application (City street system and parking lot expansion, etc.):

Public Works:
Cold weather rainfall prevents effective utilization of brine, granular chloride are then used.
Large increases in bike/pedestrian infrastructure requiring higher level of service in the Downtown area, and other recent street reconstruction areas
Slight increase in new street/bike/pedestrian infrastructure at Snelling-Midway, Ford, Hillcrest redevelopment sites. More will be transferred to the City as developments occur.

Parks and Recreation:
New facilities at Wakan Tipi, Northend Rec Center, Pedro Park, Fish Hatchery Trail, Ford Site, and Lake Phalen parking lot.

PRELIMINARY LOCAL CLIMATOLOGICAL DATA (WS FORM: F-6)

STATION: TWIN CITIES MN
MONTH: JANUARY
YEAR: 2025
LATITUDE: 44 52 N
LONGITUDE: 93 13 W

TEMPERATURE IN F:							:PCPN:		SNOW:	WIND			:SUNSHINE:			SKY	:PK WND	
1	2	3	4	5	6A	6B	7	8	9	10	11	12	13	14	15	16	17	18
DY	MAX	MIN	AVG	DEP	HDD	CDD	WTR	SNW	12Z DPTH	AVG SPD	MX SPD	2MIN DIR	MIN	PSBL	S-S	WX	SPD	DR
1	25	17	21	3	44	0	T	T	0	13.3	21	300	M	M	10	8	29	300
2	22	10	16	-1	49	0	T	T	0	10.6	21	310	M	M	5		28	340
3	17	5	11	-6	54	0	0.00	0.0	0	12.7	20	310	M	M	1		25	300
4	13	-1	6	-11	59	0	0.00	0.0	0	9.1	15	330	M	M	3		21	360
5	17	-1	8	-9	57	0	0.00	0.0	0	11.0	17	10	M	M	4		24	10
6	20	2	11	-6	54	0	0.00	0.0	0	6.5	14	10	M	M	1		21	350
7	20	8	14	-3	51	0	0.00	0.0	0	5.2	10	330	M	M	4		16	360
8	20	4	12	-4	53	0	0.00	0.0	0	5.7	12	180	M	M	2		18	170
9	24	12	18	2	47	0	0.05	0.6	0	5.9	13	160	M	M	7	18	17	160
10	28	18	23	7	42	0	T	0.2	1	8.0	17	320	M	M	10	18	22	310
11	26	17	22	6	43	0	0.02	0.3	1	8.6	16	120	M	M	10	16	23	150
12	29	-1	14	-2	51	0	0.03	0.5	1	14.8	26	320	M	M	9	168	35	320
13	7	-3	2	-14	63	0	T	T	1	10.9	17	320	M	M	5	8	22	280
14	7	-9	-1	-17	66	0	0.00	0.0	1	7.3	16	320	M	M	1		20	320
15	30	-3	14	-2	51	0	0.02	0.1	1	8.1	17	220	M	M	5		24	210
16	35	28	32	16	33	0	0.00	0.0	1	10.3	20	310	M	M	7		26	320
17	38	16	27	11	38	0	T	T	1	14.9	31	310	M	M	6		43	320
18	17	-6	6	-10	59	0	T	T	1	16.5	24	320	M	M	2		34	320
19	-1	-13	-7	-23	72	0	T	T	1	13.2	23	320	M	M	3	8	29	320
20	-6	-18	-12	-28	77	0	T	T	1	10.4	18	290	M	M	3	8	25	280
21	13	-19	-3	-19	68	0	0.00	0.0	1	11.1	24	170	M	M	3	8	34	170
22	29	7	18	2	47	0	T	T	1	10.7	25	340	M	M	9		32	310
23	13	-3	5	-11	60	0	0.00	0.0	T	8.7	20	350	M	M	0		26	340
24	27	-1	13	-3	52	0	0.01	T	T	9.0	18	170	M	M	7		27	220
25	28	11	20	4	45	0	T	T	T	13.6	31	280	M	M	5		44	280
26	35	6	21	5	44	0	0.00	0.0	T	10.3	21	280	M	M	2		31	240
27	38	21	30	14	35	0	T	T	T	12.1	23	280	M	M	3		31	270
28	47	24	36	20	29	0	0.00	0.0	T	15.0	29	280	M	M	4		44	280
29	39	28	34	18	31	0	0.00	0.0	0	8.7	18	290	M	M	6		27	280
30	52	26	39	23	26	0	0.00	0.0	0	6.4	17	160	M	M	1		26	160
31	42	26	34	18	31	0	0.00	0.0	0	10.1	20	10	M	M	2		29	20
SM	751	208		1531	0	0.13	1.7		318.7				M		140			
AV	24.2	6.7								10.3	FASTST		M	M	5		MAX(MPH)	
									MISC ---->	# 31	310						# 44	280

NOTES:
LAST OF SEVERAL OCCURRENCES

COLUMN 17 PEAK WIND IN M.P.H.

PRELIMINARY LOCAL CLIMATOLOGICAL DATA (WS FORM: F-6) , PAGE 2

STATION: TWIN CITIES MN
MONTH: JANUARY
YEAR: 2025
LATITUDE: 44 52 N
LONGITUDE: 93 13 W

[TEMPERATURE DATA]

AVERAGE MONTHLY: 15.5
DPTR FM NORMAL: -0.7
HIGHEST: 52 ON 30
LOWEST: -19 ON 21

[PRECIPITATION DATA]

TOTAL FOR MONTH: 0.13
DPTR FM NORMAL: -0.76
GRTST 24HR 0.05 ON 9- 9

SNOW, ICE PELLETS, HAIL
TOTAL MONTH: 1.7 INCHES
GRTST 24HR 0.6 ON 9- 9
GRTST DEPTH: 1 ON 22,21

SYMBOLS USED IN COLUMN 16

1 = FOG OR MIST
2 = FOG REDUCING VISIBILITY TO 1/4 MILE OR LESS
3 = THUNDER
4 = ICE PELLETS
5 = HAIL
6 = FREEZING RAIN OR DRIZZLE
7 = DUSTSTORM OR SANDSTORM: VSBY 1/2 MILE OR LESS
8 = SMOKE OR HAZE
9 = BLOWING SNOW
X = TORNADO

[NO. OF DAYS WITH]

MAX 32 OR BELOW: 23
MAX 90 OR ABOVE: 0
MIN 32 OR BELOW: 31
MIN 0 OR BELOW: 12

[WEATHER - DAYS WITH]

0.01 INCH OR MORE: 5
0.10 INCH OR MORE: 0
0.50 INCH OR MORE: 0
1.00 INCH OR MORE: 0

[HDD (BASE 65)]

TOTAL THIS MO. 1531
DPTR FM NORMAL 18
TOTAL FM JUL 1 3818
DPTR FM NORMAL -562

CLEAR (SCALE 0-3) 13
PTCLDY (SCALE 4-7) 13
CLOUDY (SCALE 8-10) 5

[CDD (BASE 65)]

TOTAL THIS MO. 0
DPTR FM NORMAL 0
TOTAL FM JAN 1 0
DPTR FM NORMAL 0

[PRESSURE DATA]

HIGHEST SLP 30.69 ON 20
LOWEST SLP 29.46 ON 28

[REMARKS]
#FINAL-01-25#

PRELIMINARY LOCAL CLIMATOLOGICAL DATA (WS FORM: F-6)

STATION: TWIN CITIES MN
MONTH: FEBRUARY
YEAR: 2025
LATITUDE: 44 52 N
LONGITUDE: 93 13 W

TEMPERATURE IN F:							:PCPN:	SNOW:		WIND			:SUNSHINE:		SKY		:PK WND	
1	2	3	4	5	6A	6B	7	8	9	10	11	12	13	14	15	16	17	18
									12Z	AVG	MX	2MIN						
DY	MAX	MIN	AVG	DEP	HDD	CDD	WTR	SNW	DPTH	SPD	SPD	DIR	MIN	PSBL	S-S	WX	SPD	DR
1	31	25	28	11	37	0	T	0.2	0	17.3	31	140	M	M	9	1	49	150
2	44	30	37	20	28	0	T	T	T	7.6	18	150	M	M	9	18	27	150
3	32	5	19	2	46	0	0.10	0.9	1	12.9	25	320	M	M	9	145	33	340
4	9	-1	4	-13	61	0	0.00	0.0	1	9.7	23	320	M	M	7		31	320
5	23	7	15	-2	50	0	T	T	1	10.2	20	120	M	M	8	16	25	100
6	24	11	18	0	47	0	0.01	T	1	17.6	33	290	M	M	3	16	47	270
7	23	7	15	-3	50	0	0.00	0.0	1	4.7	12	70	M	M	6		18	70
8	22	4	13	-5	52	0	0.14	3.3	1	10.6	20	320	M	M	8	18	24	320
9	18	-3	8	-10	57	0	0.00	0.0	4	6.6	17	300	M	M	2	8	23	300
10	16	-1	8	-11	57	0	0.00	0.0	3	7.7	16	320	M	M	5		21	310
11	6	-9	-1	-20	66	0	0.00	0.0	3	6.2	15	320	M	M	4		20	310
12	7	-2	3	-16	62	0	0.02	0.1	3	5.3	10	300	M	M	8		17	270
13	10	-8	1	-19	64	0	0.00	0.0	3	7.4	12	230	M	M	1		16	210
14	22	-1	11	-9	54	0	0.11	1.7	3	9.9	20	120	M	M	7	1	26	120
15	22	13	18	-2	47	0	T	0.1	5	11.7	21	350	M	M	10	18	28	20
16	13	-2	6	-15	59	0	0.00	0.0	5	13.6	22	310	M	M	5	8	28	310
17	-2	-14	-8	-29	73	0	0.00	0.0	4	11.9	22	310	M	M	1		26	310
18	4	-15	-5	-27	70	0	0.00	0.0	4	9.2	16	310	M	M	0		20	310
19	8	-10	-1	-23	66	0	0.00	0.0	4	9.5	17	300	M	M	3		22	300
20	20	-1	10	-12	55	0	0.00	0.0	4	6.5	12	320	M	M	3		17	360
21	26	2	14	-9	51	0	0.00	0.0	4	9.7	21	200	M	M	2		30	200
22	37	12	25	2	40	0	0.00	0.0	4	5.9	10	220	M	M	4		16	220
23	48	29	39	15	26	0	0.00	0.0	3	6.5	15	220	M	M	8	8	23	220
24	52	38	45	21	20	0	0.00	0.0	T	11.9	22	270	M	M	5		30	270
25	51	30	41	17	24	0	T	0.0	0	5.2	14	160	M	M	4	1	17	170
26	55	39	47	22	18	0	0.03	0.0	0	9.6	20	290	M	M	7		26	280
27	50	34	42	17	23	0	0.00	0.0	0	12.8	28	310	M	M	3		36	300
28	47	21	34	8	31	0	T	T	0	20.1	39	310	M	M	5		55	300
SM	718	240		1334	0	0.41	6.3		277.8				M		146			
AV	25.6	8.6								9.9	FASTST		M	M	5		MAX(MPH)	
									MISC ---->		39	310					55	300

NOTES:
LAST OF SEVERAL OCCURRENCES

COLUMN 17 PEAK WIND IN M.P.H.

PRELIMINARY LOCAL CLIMATOLOGICAL DATA (WS FORM: F-6) , PAGE 2

STATION: TWIN CITIES MN
MONTH: FEBRUARY
YEAR: 2025
LATITUDE: 44 52 N
LONGITUDE: 93 13 W

[TEMPERATURE DATA]

AVERAGE MONTHLY: 17.1
DPTR FM NORMAL: -3.5
HIGHEST: 55 ON 26
LOWEST: -15 ON 18

[PRECIPITATION DATA]

TOTAL FOR MONTH: 0.41
DPTR FM NORMAL: -0.46
GRTST 24HR 0.14 ON 8- 8

SNOW, ICE PELLETS, HAIL
TOTAL MONTH: 6.3 INCHES
GRTST 24HR 3.3 ON 8- 8
GRTST DEPTH: 5 ON 16,15

SYMBOLS USED IN COLUMN 16

1 = FOG OR MIST
2 = FOG REDUCING VISIBILITY TO 1/4 MILE OR LESS
3 = THUNDER
4 = ICE PELLETS
5 = HAIL
6 = FREEZING RAIN OR DRIZZLE
7 = DUSTSTORM OR SANDSTORM: VSBY 1/2 MILE OR LESS
8 = SMOKE OR HAZE
9 = BLOWING SNOW
X = TORNADO

[NO. OF DAYS WITH]

MAX 32 OR BELOW: 20
MAX 90 OR ABOVE: 0
MIN 32 OR BELOW: 25
MIN 0 OR BELOW: 12

[WEATHER - DAYS WITH]

0.01 INCH OR MORE: 6
0.10 INCH OR MORE: 3
0.50 INCH OR MORE: 0
1.00 INCH OR MORE: 0

[HDD (BASE 65)]

TOTAL THIS MO. 1334
DPTR FM NORMAL 91
TOTAL FM JUL 1 5152
DPTR FM NORMAL -473

CLEAR (SCALE 0-3) 6
PTCLDY (SCALE 4-7) 18
CLOUDY (SCALE 8-10) 4

[CDD (BASE 65)]

TOTAL THIS MO. 0
DPTR FM NORMAL 0
TOTAL FM JAN 1 0
DPTR FM NORMAL 0

[PRESSURE DATA]

HIGHEST SLP 30.80 ON 18
LOWEST SLP 29.45 ON 28

[REMARKS]
#FINAL-02-25#

PRELIMINARY LOCAL CLIMATOLOGICAL DATA (WS FORM: F-6)

STATION: TWIN CITIES MN
MONTH: MARCH
YEAR: 2025
LATITUDE: 44 52 N
LONGITUDE: 93 13 W

TEMPERATURE IN F:							:PCPN:		SNOW:	WIND			:SUNSHINE:			SKY	:PK WND	
1	2	3	4	5	6A	6B	7	8	9	10	11	12	13	14	15	16	17	18
									12Z	AVG	MX	2MIN						
DY	MAX	MIN	AVG	DEP	HDD	CDD	WTR	SNW	DPTH	SPD	SPD	DIR	MIN	PSBL	S-S	WX	SPD	DR
1	27	12	20	-6	45	0	0.00	0.0	0	7.0	23	350	M	M	1		35	350
2	41	15	28	1	37	0	0.00	0.0	0	7.1	15	160	M	M	3	8	23	170
3	50	28	39	12	26	0	0.01	0.0	0	7.8	14	110	M	M	6	8	18	80
4	46	31	39	11	26	0	0.29	2.7	0	13.2	28	360	M	M	10	1	39	10
5	33	20	27	-1	38	0	0.52	6.8	7	19.2	31	320	M	M	7	1	45	340
6	41	16	29	0	36	0	0.00	0.0	8	5.8	15	230	M	M	3		20	240
7	43	24	34	5	31	0	0.00	0.0	7	5.3	20	320	M	M	4	1	26	320
8	51	28	40	10	25	0	0.00	0.0	6	8.0	20	300	M	M	3		28	280
9	60	34	47	17	18	0	0.00	0.0	3	6.9	14	270	M	M	3		20	230
10	65	37	51	20	14	0	0.00	0.0	T	7.5	25	310	M	M	5		32	320
11	47	28	38	7	27	0	0.00	0.0	0	9.1	28	350	M	M	5		39	340
12	58	32	45	13	20	0	0.00	0.0	0	4.7	10	260	M	M	6		19	220
13	64	34	49	17	16	0	0.00	0.0	0	9.6	20	160	M	M	5	8	28	160
14	75	48	62	30	3	0	0.19	0.0	0	13.2	28	170	M	M	7	1	37	170
15	54	23	39	6	26	0	0.05	T	0	16.2	32	300	M	M	8	18	45	300
16	39	18	29	-4	36	0	0.00	0.0	0	11.1	23	340	M	M	3		30	330
17	63	31	47	13	18	0	0.00	0.0	0	12.3	24	180	M	M	4		39	190
18	51	34	43	9	22	0	0.00	0.0	0	12.6	23	20	M	M	6		37	40
19	39	32	36	1	29	0	0.00	0.0	0	17.8	28	360	M	M	9		43	350
20	47	24	36	1	29	0	0.00	0.0	0	10.6	22	350	M	M	2		29	360
21	55	26	41	5	24	0	0.00	0.0	0	11.9	26	320	M	M	5		37	300
22	43	18	31	-5	34	0	0.03	0.0	0	10.1	21	110	M	M	5		26	140
23	45	28	37	1	28	0	T	0.0	0	18.8	31	320	M	M	9		42	310
24	48	24	36	-1	29	0	0.00	0.0	0	10.5	26	310	M	M	4		35	320
25	55	28	42	5	23	0	0.00	0.0	0	8.3	20	310	M	M	4	8	30	300
26	56	31	44	6	21	0	T	0.0	0	7.2	18	230	M	M	5	1	26	230
27	62	41	52	14	13	0	T	0.0	0	8.0	16	120	M	M	6		23	40
28	74	39	57	18	8	0	0.02	0.0	0	13.4	24	20	M	M	7	3	39	30
29	40	34	37	-2	28	0	1.53	0.0	0	14.5	25	60	M	M	10	1	42	50
30	35	31	33	-7	32	0	0.32	1.7	0	14.4	24	20	M	M	10	128	33	20
31	46	26	36	-4	29	0	0.00	0.0	2	6.2	15	350	M	M	4		26	10
SM	1553	875			791	0	2.96	11.2		328.3			M		169			
AV	50.1	28.2								10.6	FASTST		M	M	5		MAX(MPH)	
									MISC ---->		32	300					# 45	340

NOTES:
LAST OF SEVERAL OCCURRENCES

COLUMN 17 PEAK WIND IN M.P.H.

PRELIMINARY LOCAL CLIMATOLOGICAL DATA (WS FORM: F-6) , PAGE 2

STATION: TWIN CITIES MN
MONTH: MARCH
YEAR: 2025
LATITUDE: 44 52 N
LONGITUDE: 93 13 W

[TEMPERATURE DATA]

AVERAGE MONTHLY: 39.2
DPTR FM NORMAL: 5.9
HIGHEST: 75 ON 14
LOWEST: 12 ON 1

[PRECIPITATION DATA]

TOTAL FOR MONTH: 2.96
DPTR FM NORMAL: 1.28
GRTST 24HR 1.79 ON 29-30

SNOW, ICE PELLETS, HAIL
TOTAL MONTH: 11.2 INCHES
GRTST 24HR 6.8 ON 5- 5
GRTST DEPTH: 8 ON 6

SYMBOLS USED IN COLUMN 16

1 = FOG OR MIST
2 = FOG REDUCING VISIBILITY TO 1/4 MILE OR LESS
3 = THUNDER
4 = ICE PELLETS
5 = HAIL
6 = FREEZING RAIN OR DRIZZLE
7 = DUSTSTORM OR SANDSTORM: VSBY 1/2 MILE OR LESS
8 = SMOKE OR HAZE
9 = BLOWING SNOW
X = TORNADO

[NO. OF DAYS WITH]

MAX 32 OR BELOW: 1
MAX 90 OR ABOVE: 0
MIN 32 OR BELOW: 23
MIN 0 OR BELOW: 0

[WEATHER - DAYS WITH]

0.01 INCH OR MORE: 9
0.10 INCH OR MORE: 5
0.50 INCH OR MORE: 2
1.00 INCH OR MORE: 1

[HDD (BASE 65)]

TOTAL THIS MO. 791
DPTR FM NORMAL -192
TOTAL FM JUL 1 5943
DPTR FM NORMAL -666

CLEAR (SCALE 0-3) 5
PTCLDY (SCALE 4-7) 20
CLOUDY (SCALE 8-10) 6

[CDD (BASE 65)]

TOTAL THIS MO. 0
DPTR FM NORMAL 0
TOTAL FM JAN 1 0
DPTR FM NORMAL 0

[PRESSURE DATA]

HIGHEST SLP 30.36 ON 1
LOWEST SLP 28.89 ON 15

[REMARKS]
#FINAL-03-25#

PRELIMINARY LOCAL CLIMATOLOGICAL DATA (WS FORM: F-6)

STATION: TWIN CITIES MN
MONTH: APRIL
YEAR: 2025
LATITUDE: 44 52 N
LONGITUDE: 93 13 W

TEMPERATURE IN F:							:PCPN:		SNOW:	WIND			:SUNSHINE:			SKY	:PK WND	
1	2	3	4	5	6A	6B	7	8	9	10	11	12	13	14	15	16	17	18
									12Z	AVG	MX	2MIN						
DY	MAX	MIN	AVG	DEP	HDD	CDD	WTR	SNW	DPTH	SPD	SPD	DIR	MIN	PSBL	S-S	WX	SPD	DR
1	40	30	35	-6	30	0	0.28	2.1	0	14.4	28	120	M	M	7	1	36	110
2	39	32	36	-5	29	0	0.32	T	2	13.4	31	70	M	M	10	1	45	50
3	47	32	40	-2	25	0	0.00	0.0	0	10.5	22	320	M	M	8		31	260
4	52	29	41	-1	24	0	T	0.0	0	6.3	18	330	M	M	7	1	22	350
5	44	32	38	-4	27	0	T	0.0	0	15.4	26	300	M	M	3		36	340
6	60	29	45	2	20	0	0.00	0.0	0	10.5	25	10	M	M	1		34	340
7	40	25	33	-10	32	0	0.00	0.0	0	12.7	24	360	M	M	0		35	350
8	49	24	37	-7	28	0	0.00	0.0	0	5.1	15	170	M	M	2		20	160
9	62	37	50	6	15	0	0.02	0.0	0	7.5	17	100	M	M	6		22	150
10	50	42	46	1	19	0	T	0.0	0	8.0	16	150	M	M	9	1	26	30
11	57	41	49	4	16	0	0.00	0.0	0	4.2	10	150	M	M	7	1	14	180
12	70	39	55	9	10	0	0.00	0.0	0	12.7	23	150	M	M	4		31	150
13	68	53	61	15	4	0	0.00	0.0	0	11.0	23	280	M	M	6		30	270
14	55	41	48	2	17	0	0.01	0.0	0	20.7	30	310	M	M	8		42	300
15	55	37	46	-1	19	0	0.00	0.0	0	15.0	29	330	M	M	4		41	360
16	60	34	47	0	18	0	0.00	0.0	0	13.9	22	140	M	M	5		30	130
17	75	48	62	14	3	0	0.38	0.0	0	14.4	25	160	M	M	6	138	35	140
18	60	43	52	4	13	0	0.04	0.0	0	13.9	21	350	M	M	9	1	28	300
19	55	34	45	-4	20	0	0.00	0.0	0	9.0	23	340	M	M	1		32	330
20	55	39	47	-2	18	0	0.35	0.0	0	10.4	21	80	M	M	7	1	28	80
21	62	39	51	1	14	0	0.32	0.0	0	10.6	21	350	M	M	7	1	28	350
22	70	50	60	10	5	0	T	0.0	0	9.5	22	270	M	M	5		29	250
23	69	49	59	9	6	0	0.00	0.0	0	8.9	20	280	M	M	6		27	280
24	52	47	50	-1	15	0	0.20	0.0	0	8.6	15	10	M	M	10	1	20	60
25	59	43	51	0	14	0	0.01	0.0	0	10.5	22	30	M	M	7	1	30	30
26	62	38	50	-2	15	0	0.00	0.0	0	6.7	16	120	M	M	3		22	140
27	65	49	57	5	8	0	0.03	0.0	0	14.9	25	170	M	M	10		35	180
28	73	44	59	6	6	0	0.02	0.0	0	15.6	28	250	M	M	9	3	42	250
29	59	43	51	-2	14	0	0.00	0.0	0	11.5	28	310	M	M	4		38	320
30	69	40	55	2	10	0	0.00	0.0	0	9.4	18	170	M	M	4		26	170
SM	1733	1163		494	0	1.98	2.1		335.2				M		175			
AV	57.8	38.8								11.2	FASTST		M	M	6		MAX(MPH)	
								MISC ---->		31	70						45	50

NOTES:
LAST OF SEVERAL OCCURRENCES

COLUMN 17 PEAK WIND IN M.P.H.

PRELIMINARY LOCAL CLIMATOLOGICAL DATA (WS FORM: F-6) , PAGE 2

STATION: TWIN CITIES MN
MONTH: APRIL
YEAR: 2025
LATITUDE: 44 52 N
LONGITUDE: 93 13 W

[TEMPERATURE DATA]

AVERAGE MONTHLY: 48.3
DPTR FM NORMAL: 1.2
HIGHEST: 75 ON 17
LOWEST: 24 ON 8

[PRECIPITATION DATA]

TOTAL FOR MONTH: 1.98
DPTR FM NORMAL: -0.93
GRTST 24HR 0.67 ON 20-21

SNOW, ICE PELLETS, HAIL
TOTAL MONTH: 2.1 INCHES
GRTST 24HR 2.1 ON 1- 1
GRTST DEPTH: 2 ON 2

SYMBOLS USED IN COLUMN 16

1 = FOG OR MIST
2 = FOG REDUCING VISIBILITY TO 1/4 MILE OR LESS
3 = THUNDER
4 = ICE PELLETS
5 = HAIL
6 = FREEZING RAIN OR DRIZZLE
7 = DUSTSTORM OR SANDSTORM: VSBY 1/2 MILE OR LESS
8 = SMOKE OR HAZE
9 = BLOWING SNOW
X = TORNADO

[NO. OF DAYS WITH]

MAX 32 OR BELOW: 0
MAX 90 OR ABOVE: 0
MIN 32 OR BELOW: 8
MIN 0 OR BELOW: 0

[WEATHER - DAYS WITH]

0.01 INCH OR MORE: 12
0.10 INCH OR MORE: 6
0.50 INCH OR MORE: 0
1.00 INCH OR MORE: 0

[HDD (BASE 65)]

TOTAL THIS MO. 494
DPTR FM NORMAL -48
TOTAL FM JUL 1 6437
DPTR FM NORMAL -714

CLEAR (SCALE 0-3) 6
PTCLDY (SCALE 4-7) 16
CLOUDY (SCALE 8-10) 8

[CDD (BASE 65)]

TOTAL THIS MO. 0
DPTR FM NORMAL -4
TOTAL FM JAN 1 0
DPTR FM NORMAL -4

[PRESSURE DATA]

HIGHEST SLP 30.39 ON 26
LOWEST SLP 29.15 ON 2

[REMARKS]
#FINAL-04-25#

CXUS53 KMPX 010910
CF6MSP
PRELIMINARY LOCAL CLIMATOLOGICAL DATA (WS FORM: F-6)

STATION: TWIN CITIES MN
MONTH: OCTOBER
YEAR: 2025
LATITUDE: 44 52 N
LONGITUDE: 93 13 W

TEMPERATURE IN F:							:PCPN:		SNOW:	WIND			:SUNSHINE:			SKY	:PK WND	
1	2	3	4	5	6A	6B	7	8	9	10	11	12	13	14	15	16	17	18
									12Z	AVG	MX	2MIN						
DY	MAX	MIN	AVG	DEP	HDD	CDD	WTR	SNW	DPTH	SPD	SPD	DIR	MIN	PSBL	S-S	WX	SPD	DR
1	80	65	73	16	0	8	0.00	0.0	0	10.6	17	130	M	M	5		23	120
2	87	65	76	20	0	11	T	0.0	0	9.6	16	190	M	M	2		28	190
3	87	64	76	20	0	11	0.00	0.0	0	5.5	10	180	M	M	3		M	M
4	91	72	82	27	0	17	0.00	0.0	0	15.4	31	180	M	M	2		48	190
5	77	52	65	10	0	0	0.09	0.0	0	15.1	25	220	M	M	5	38	39	200
6	59	48	54	0	11	0	0.00	0.0	0	6.3	15	320	M	M	6		20	320
7	66	44	55	1	10	0	0.00	0.0	0	7.0	17	330	M	M	1		24	330
8	63	39	51	-2	14	0	0.00	0.0	0	6.3	14	110	M	M	0		19	110
9	71	45	58	5	7	0	T	0.0	0	10.2	23	170	M	M	3		31	160
10	70	47	59	7	6	0	0.00	0.0	0	8.3	18	330	M	M	1		31	10
11	67	44	56	4	9	0	0.00	0.0	0	9.7	20	140	M	M	3		29	120
12	69	54	62	11	3	0	0.05	0.0	0	14.1	29	280	M	M	9	1	37	270
13	61	43	52	1	13	0	T	0.0	0	8.1	16	330	M	M	2		22	330
14	52	47	50	0	15	0	0.49	0.0	0	8.3	14	60	M	M	10	1	23	50
15	54	47	51	1	14	0	T	0.0	0	10.3	15	120	M	M	10	1	20	100
16	67	53	60	10	5	0	0.01	0.0	0	12.8	18	160	M	M	9	13	26	130
17	73	56	65	16	0	0	T	0.0	0	8.6	15	240	M	M	5		24	230
18	63	48	56	8	9	0	T	0.0	0	9.9	21	310	M	M	4		27	310
19	59	42	51	3	14	0	0.00	0.0	0	9.9	24	300	M	M	1		34	280
20	62	42	52	4	13	0	0.06	0.0	0	13.2	31	290	M	M	5		44	300
21	46	42	44	-3	21	0	0.10	0.0	0	17.8	30	310	M	M	9	1	43	310
22	50	38	44	-3	21	0	0.00	0.0	0	12.1	24	330	M	M	7		34	330
23	51	34	43	-3	22	0	0.00	0.0	0	5.3	13	300	M	M	4		22	10
24	57	30	44	-2	21	0	T	0.0	0	6.1	13	120	M	M	4	12	17	140
25	52	44	48	3	17	0	0.08	0.0	0	11.9	18	140	M	M	9	1	25	130
26	63	45	54	9	11	0	0.00	0.0	0	10.8	21	160	M	M	4		27	160
27	61	44	53	9	12	0	0.00	0.0	0	13.6	23	120	M	M	3		32	120
28	52	45	49	5	16	0	0.01	0.0	0	8.7	17	140	M	M	10		28	130
29	55	39	47	4	18	0	0.00	0.0	0	7.7	14	360	M	M	4		25	360
30	48	37	43	0	22	0	0.00	0.0	0	4.0	12	310	M	M	7	12	14	280
31	43	38	41	-1	24	0	0.15	0.0	0	5.7	13	350	M	M	9	1	17	310
SM	1956	1453		348	47		1.04	0.0		302.9			M		156			
AV	63.1	46.9								9.8	FASTST		M	M	5		MAX(MPH)	
									MISC ---->	# 31	180						48	190

NOTES:
LAST OF SEVERAL OCCURRENCES

COLUMN 17 PEAK WIND IN M.P.H.

PRELIMINARY LOCAL CLIMATOLOGICAL DATA (WS FORM: F-6) , PAGE 2

STATION: TWIN CITIES MN
MONTH: OCTOBER
YEAR: 2025
LATITUDE: 44 52 N
LONGITUDE: 93 13 W

[TEMPERATURE DATA]

AVERAGE MONTHLY: 55.0
DPTR FM NORMAL: 5.5
HIGHEST: 91 ON 4
LOWEST: 30 ON 24

[PRECIPITATION DATA]

TOTAL FOR MONTH: 1.04
DPTR FM NORMAL: -1.54
GRTST 24HR 0.49 ON 14-14

SNOW, ICE PELLETS, HAIL
TOTAL MONTH: 0.0 INCH
GRTST 24HR 0.0
GRTST DEPTH: 0

SYMBOLS USED IN COLUMN 16

1 = FOG OR MIST
2 = FOG REDUCING VISIBILITY TO 1/4 MILE OR LESS
3 = THUNDER
4 = ICE PELLETS
5 = HAIL
6 = FREEZING RAIN OR DRIZZLE
7 = DUSTSTORM OR SANDSTORM: VSBY 1/2 MILE OR LESS
8 = SMOKE OR HAZE
9 = BLOWING SNOW
X = TORNADO

[NO. OF DAYS WITH]

MAX 32 OR BELOW: 0
MAX 90 OR ABOVE: 1
MIN 32 OR BELOW: 1
MIN 0 OR BELOW: 0

[WEATHER - DAYS WITH]

0.01 INCH OR MORE: 9
0.10 INCH OR MORE: 3
0.50 INCH OR MORE: 0
1.00 INCH OR MORE: 0

[HDD (BASE 65)]

TOTAL THIS MO. 348
DPTR FM NORMAL -141
TOTAL FM JUL 1 411
DPTR FM NORMAL -221

CLEAR (SCALE 0-3) 10
PTCLDY (SCALE 4-7) 13
CLOUDY (SCALE 8-10) 8

[CDD (BASE 65)]

TOTAL THIS MO. 47
DPTR FM NORMAL 39
TOTAL FM JAN 1 1041
DPTR FM NORMAL 211

[PRESSURE DATA]

HIGHEST SLP 30.46 ON 14
LOWEST SLP 29.52 ON 20

[REMARKS]
#FINAL-10-25#

CXUS53 KMPX 011010
CF6MSP
PRELIMINARY LOCAL CLIMATOLOGICAL DATA (WS FORM: F-6)

STATION: TWIN CITIES MN
MONTH: NOVEMBER
YEAR: 2025
LATITUDE: 44 52 N
LONGITUDE: 93 13 W

TEMPERATURE IN F:							:PCPN:		SNOW:	WIND			:SUNSHINE:			SKY	:PK WND	
1	2	3	4	5	6A	6B	7	8	9	10	11	12	13	14	15	16	17	18
									12Z	AVG	MX	2MIN						
DY	MAX	MIN	AVG	DEP	HDD	CDD	WTR	SNW	DPTH	SPD	SPD	DIR	MIN	PSBL	S-S	WX	SPD	DR
1	46	37	42	0	23	0	0.01	0.0	0	5.2	13	360	M	M	8		22	30
2	54	36	45	4	20	0	T	0.0	0	12.2	26	180	M	M	7	1	39	170
3	58	38	48	7	17	0	0.00	0.0	0	9.7	22	300	M	M	1		28	280
4	63	39	51	11	14	0	0.00	0.0	0	6.1	21	170	M	M	6		28	160
5	55	39	47	7	18	0	T	0.0	0	11.5	29	350	M	M	2		38	360
6	55	34	45	5	20	0	0.00	0.0	0	11.2	24	170	M	M	8		35	160
7	49	37	43	4	22	0	0.01	0.0	0	10.4	20	330	M	M	7		26	280
8	37	28	33	-5	32	0	0.00	0.0	0	9.3	21	360	M	M	7		28	360
9	30	21	26	-12	39	0	T	T	T	14.6	25	300	M	M	9	18	34	340
10	35	21	28	-10	37	0	0.00	0.0	0	7.9	15	180	M	M	7		25	160
11	53	29	41	4	24	0	0.00	0.0	0	12.4	21	300	M	M	3		32	300
12	53	33	43	7	22	0	0.00	0.0	0	10.6	24	310	M	M	1		32	310
13	58	31	45	9	20	0	0.00	0.0	0	5.3	15	170	M	M	3		19	170
14	72	36	54	18	11	0	0.00	0.0	0	8.8	17	170	M	M	4		24	210
15	61	36	49	14	16	0	0.01	0.0	0	13.4	25	320	M	M	4		37	300
16	46	30	38	4	27	0	0.00	0.0	0	5.4	14	310	M	M	1		21	310
17	41	29	35	1	30	0	0.00	0.0	0	8.3	15	80	M	M	9		23	70
18	45	38	42	8	23	0	0.00	0.0	0	8.2	14	80	M	M	8		22	50
19	44	38	41	8	24	0	T	0.0	0	8.9	14	170	M	M	10		19	180
20	48	31	40	7	25	0	T	0.0	0	9.3	16	300	M	M	9	18	21	300
21	48	28	38	6	27	0	0.00	0.0	0	4.0	8	330	M	M	3	1	14	20
22	54	33	44	12	21	0	0.00	0.0	0	9.7	20	290	M	M	5		27	300
23	56	33	45	14	20	0	0.00	0.0	0	6.3	15	170	M	M	3		19	180
24	49	39	44	13	21	0	T	0.0	0	4.9	12	190	M	M	7	1	18	200
25	46	31	39	9	26	0	0.39	0.3	0	8.4	35	350	M	M	10	12	47	350
26	31	24	28	-2	37	0	0.15	2.8	3	22.3	35	310	M	M	10	1	48	320
27	27	23	25	-4	40	0	0.00	0.0	3	13.6	23	330	M	M	8		33	310
28	28	16	22	-7	43	0	0.00	0.0	3	5.8	14	300	M	M	7		20	300
29	24	21	23	-5	42	0	0.29	3.9	2	11.6	20	340	M	M	10	1	31	30
30	23	10	17	-11	48	0	0.05	0.8	7	11.0	21	350	M	M	8	18	28	350
SM	1389	919		789	0	0.91	7.8		286.3				M		185			
AV	46.3	30.6								9.5	FASTST		M	M	6		MAX(MPH)	
									MISC ---->	#	35	350					48	320

NOTES:
LAST OF SEVERAL OCCURRENCES

COLUMN 17 PEAK WIND IN M.P.H.

PRELIMINARY LOCAL CLIMATOLOGICAL DATA (WS FORM: F-6) , PAGE 2

STATION: TWIN CITIES MN
MONTH: NOVEMBER
YEAR: 2025
LATITUDE: 44 52 N
LONGITUDE: 93 13 W

[TEMPERATURE DATA]

AVERAGE MONTHLY: 38.5
DPTR FM NORMAL: 3.7
HIGHEST: 72 ON 14
LOWEST: 10 ON 30

[PRECIPITATION DATA]

TOTAL FOR MONTH: 0.91
DPTR FM NORMAL: -0.70
GRTST 24HR 0.54 ON 25-26

SNOW, ICE PELLETS, HAIL
TOTAL MONTH: 7.8 INCHES
GRTST 24HR 3.9 ON 29-29
GRTST DEPTH: 7 ON 30

SYMBOLS USED IN COLUMN 16

1 = FOG OR MIST
2 = FOG REDUCING VISIBILITY TO 1/4 MILE OR LESS
3 = THUNDER
4 = ICE PELLETS
5 = HAIL
6 = FREEZING RAIN OR DRIZZLE
7 = DUSTSTORM OR SANDSTORM: VSBY 1/2 MILE OR LESS
8 = SMOKE OR HAZE
9 = BLOWING SNOW
X = TORNADO

[NO. OF DAYS WITH]

MAX 32 OR BELOW: 6
MAX 90 OR ABOVE: 0
MIN 32 OR BELOW: 15
MIN 0 OR BELOW: 0

[WEATHER - DAYS WITH]

0.01 INCH OR MORE: 7
0.10 INCH OR MORE: 3
0.50 INCH OR MORE: 0
1.00 INCH OR MORE: 0

[HDD (BASE 65)]

TOTAL THIS MO. 789
DPTR FM NORMAL -117
TOTAL FM JUL 1 1200
DPTR FM NORMAL -337

CLEAR (SCALE 0-3) 7
PTCLDY (SCALE 4-7) 14
CLOUDY (SCALE 8-10) 9

[CDD (BASE 65)]

TOTAL THIS MO. 0
DPTR FM NORMAL 0
TOTAL FM JAN 1 1041
DPTR FM NORMAL 211

[PRESSURE DATA]

HIGHEST SLP M ON M
LOWEST SLP 29.48 ON 15

[REMARKS]
#FINAL-11-25#

CXUS53 KMPX 011010
CF6MSP
PRELIMINARY LOCAL CLIMATOLOGICAL DATA (WS FORM: F-6)

STATION: TWIN CITIES MN
MONTH: DECEMBER
YEAR: 2025
LATITUDE: 44 52 N
LONGITUDE: 93 13 W

TEMPERATURE IN F:							:PCPN:		SNOW:	WIND			:SUNSHINE:			SKY	:PK WND	
1	2	3	4	5	6A	6B	7	8	9	10	11	12	13	14	15	16	17	18
									12Z	AVG	MX	2MIN						
DY	MAX	MIN	AVG	DEP	HDD	CDD	WTR	SNW	DPTH	SPD	SPD	DIR	MIN	PSBL	S-S	WX	SPD	DR
1	20	6	13	-14	52	0	T	T	7	6.2	13	240	M	M	8	18	18	230
2	26	12	19	-8	46	0	0.05	0.5	6	7.9	15	170	M	M	9	18	19	220
3	26	2	14	-12	51	0	0.01	T	7	12.9	22	320	M	M	6	1	30	330
4	19	-5	7	-19	58	0	0.00	0.0	6	9.0	20	180	M	M	5	8	27	210
5	28	19	24	-2	41	0	0.10	1.2	6	5.9	26	320	M	M	10	1	36	320
6	24	13	19	-6	46	0	0.03	0.5	7	7.7	15	20	M	M	10		21	30
7	13	1	7	-18	58	0	0.00	0.0	7	6.2	15	360	M	M	6	8	20	10
8	20	7	14	-10	51	0	0.07	1.2	7	10.2	16	170	M	M	10	168	24	180
9	29	20	25	1	40	0	0.40	3.4	8	8.2	23	130	M	M	10	16	32	120
10	28	18	23	-1	42	0	0.05	0.8	10	12.0	20	310	M	M	10	168	28	10
11	19	11	15	-8	50	0	0.01	0.2	10	4.0	9	120	M	M	8	18	15	90
12	21	-3	9	-14	56	0	0.01	T	10	10.4	23	310	M	M	6	168	31	300
13	3	-7	-2	-25	67	0	0.00	0.0	9	12.7	21	300	M	M	3		28	270
14	10	-11	0	-22	65	0	0.00	0.0	9	7.6	15	180	M	M	3	8	22	180
15	26	10	18	-4	47	0	0.00	0.0	9	4.8	18	200	M	M	5	8	30	220
16	43	15	29	7	36	0	0.00	0.0	9	10.9	26	290	M	M	6	8	39	300
17	40	24	32	11	33	0	0.01	0.0	7	11.4	26	160	M	M	7		38	150
18	42	3	23	2	42	0	0.10	1.1	4	16.8	29	280	M	M	10	1689	40	300
19	22	-4	9	-12	56	0	0.00	0.0	4	11.1	24	320	M	M	5	8	33	310
20	27	6	17	-3	48	0	T	T	4	13.7	37	300	M	M	3	9	52	280
21	30	5	18	-2	47	0	0.00	0.0	3	6.6	13	170	M	M	4		19	170
22	39	27	33	13	32	0	0.03	0.1	3	7.9	15	150	M	M	8	46	20	140
23	32	24	28	8	37	0	0.00	0.0	2	5.9	16	340	M	M	5		21	20
24	35	23	29	10	36	0	0.00	0.0	2	6.5	14	130	M	M	7	18	20	90
25	34	25	30	11	35	0	0.04	0.0	2	10.8	23	130	M	M	7	18	29	130
26	36	30	33	14	32	0	T	0.0	1	5.9	20	280	M	M	10	1	31	280
27	36	30	33	14	32	0	T	0.0	1	9.6	17	160	M	M	10	1	24	170
28	35	11	23	5	42	0	0.62	5.8	1	15.0	29	310	M	M	10	1	39	320
29	14	4	9	-9	56	0	T	M	6	15.0	28	330	M	M	5	8	39	340
30	34	4	19	1	46	0	0.04	0.4	5	5.0	17	300	M	M	10	168	22	310
31	34	5	20	2	45	0	0.09	0.8	6	12.2	23	320	M	M	7	18	33	320
SM	845	325		1425	0	1.66	16.0		290.0				M		223			
AV	27.3	10.5								9.4	FASTST		M	M	7		MAX(MPH)	
								MISC ---->		37	300						52	280

NOTES:
LAST OF SEVERAL OCCURRENCES

COLUMN 17 PEAK WIND IN M.P.H.

PRELIMINARY LOCAL CLIMATOLOGICAL DATA (WS FORM: F-6) , PAGE 2

STATION: TWIN CITIES MN
MONTH: DECEMBER
YEAR: 2025
LATITUDE: 44 52 N
LONGITUDE: 93 13 W

[TEMPERATURE DATA]

AVERAGE MONTHLY: 18.9
DPTR FM NORMAL: -3.1
HIGHEST: 43 ON 16
LOWEST: -11 ON 14

[PRECIPITATION DATA]

TOTAL FOR MONTH: 1.66
DPTR FM NORMAL: 0.49
GRTST 24HR 0.62 ON 28-28

SNOW, ICE PELLETS, HAIL
TOTAL MONTH: 16.8 INCHES
GRTST 24HR 5.8 ON 28-28
GRTST DEPTH: 10 ON 12,11

SYMBOLS USED IN COLUMN 16

1 = FOG OR MIST
2 = FOG REDUCING VISIBILITY TO 1/4 MILE OR LESS
3 = THUNDER
4 = ICE PELLETS
5 = HAIL
6 = FREEZING RAIN OR DRIZZLE
7 = DUSTSTORM OR SANDSTORM: VSBY 1/2 MILE OR LESS
8 = SMOKE OR HAZE
9 = BLOWING SNOW
X = TORNADO

[NO. OF DAYS WITH]

MAX 32 OR BELOW: 20
MAX 90 OR ABOVE: 0
MIN 32 OR BELOW: 31
MIN 0 OR BELOW: 5

[WEATHER - DAYS WITH]

0.01 INCH OR MORE: 16
0.10 INCH OR MORE: 4
0.50 INCH OR MORE: 1
1.00 INCH OR MORE: 0

[HDD (BASE 65)]

TOTAL THIS MO. 1425
DPTR FM NORMAL 92
TOTAL FM JUL 1 2625
DPTR FM NORMAL -244

CLEAR (SCALE 0-3) 3
PTCLDY (SCALE 4-7) 14
CLOUDY (SCALE 8-10) 14

[CDD (BASE 65)]

TOTAL THIS MO. 0
DPTR FM NORMAL 0
TOTAL FM JAN 1 1041
DPTR FM NORMAL 211

[PRESSURE DATA]

HIGHEST SLP 30.75 ON 14
LOWEST SLP 29.20 ON 18

[REMARKS]
#FINAL-12-25#

NATIONAL WEATHER SERVICE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION

Explanation of the F6 Preliminary Local Climate Data Report

Grand Rapids, MI
Weather Forecast Office

Each of the columns on the Preliminary Local Climatological Data Report (F6) has a specific meaning. What many of the columns indicate is easy enough to figure out, but there are several that are not so obvious. The following table lists each column by number and abbreviation, and provides a short explanation of what the column represents.

Column	Abbreviation	Explanation
1	DY	The day of the month.
2	MAX	The highest temperature observed for the day.
3	MIN	The lowest temperature observed for the day.
4	AVG	The average temperature for the day. Calculated as the average value of columns 2 and 3, then rounding up if necessary.
5	DEP	Departure from normal. Calculated as the difference between the value in column 4 and the 30 year normal temperature for the day.
6a	HDD	Heating Degree Days. Computed by subtracting column 4 from 65. If column 4 is greater than 65 then HDD is defined as 0.
6b	CDD	Cooling Degree Days. Computed by subtracting 65 from column 4. If column 4 is less than 65 then CDD is defined as 0.
7	WTR	Total precipitation for the day in inches. This value includes all forms of precipitation. Snow or ice is melted before including in this value.
8	SNW	Total snowfall for the day in inches.
9	DPTH	Snow depth in inches measured at 6:00 AM.
10	AVG SPD	Average wind speed for the day in Miles Per Hour.
11	MX SPD	The highest wind speed sustained for a 2 minute period in Miles Per Hour.
12	2MIN DIR	The direction the wind in column 11 came from, expressed as compass degrees. ▪ 360 = North ▪ 90 = East ▪ 180 = South ▪ 270 = West
13	MIN	The number of minutes of sunshine received at the station.
14	PSBL	The percentage of possible sunshine. Calculated by dividing column 13 by the total possible minutes.
15	S-S	The average sky cover between sunrise and sunset, expressed in tenths of the day. For example, a value of 8 means sky cover was observed for approximately 80% of the the daylight hours.
16	WX	The weather types observed during the day. Use the following list to decode weather types… ▪ 1 = Fog or Mist ▪ 2 = Dense Fog (visibility< ¼ mile) ▪ 3 = Thunder ▪ 4 = Ice Pellets (sleet) ▪ 5 = Hail ▪ 6 = Glaze or Rime (freezing rain) ▪ 7 = Dust Storm or Sand Storm (visibility< ¼ mile) ▪ 8 = Smoke or Haze ▪ 9 = Blowing Snow ▪ X = Tornado
17	SPD	Peak wind speed for the day in Miles Per Hour.
18	DR	The direction the wind in column 17 came from, expressed as compass degrees. ▪ 360 = North ▪ 90 = East ▪ 180 = South ▪ 270 = West

Not all F6 sites have all possible instrumentation, so columns that represent the non-existent instrumentation's readings will be coded with the letter M representing "missing". Precipitation related columns may be coded with the letter T representing "trace".

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CITY OF ST. PAUL
COMO AND WESTERN FACILITY STORMWATER MANAGEMENT PLAN

December, 2020

Goal of the Como and Western Stormwater Management Plan

- To develop and maintain an ongoing effort to manage the stormwater quality responsibly related to stormwater runoff from the property

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Facility Air Photo

Materials Currently Exposed to Stormwater at the Facility

- Street sweepings
- Sewer Department vac truck grit
- Asphalt plant scrubber sediment
- Bituminous millings
- Brush
- Concrete rubble
- Bricks
- Black dirt
- Sand
- Tires
- Roadway solid wastes collected by the Street Department awaiting off-site recycling or disposal

Existing On-site Stormwater Facilities

- Trench drain and berm for vac truck sediment dewatering
- Two storm drains near exit to Western Avenue
- Concrete block bins on west end

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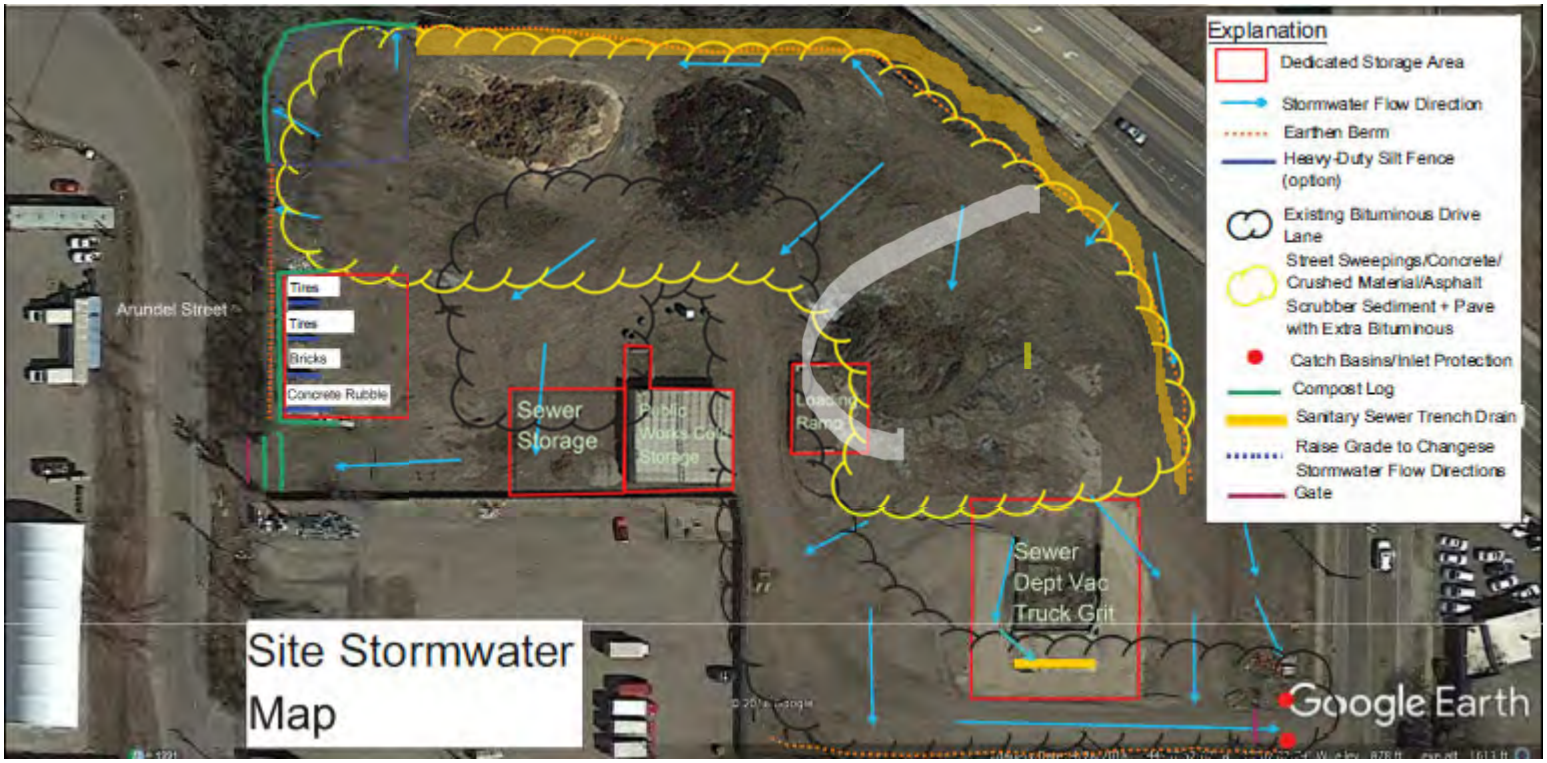
Facility Stormwater Plan



Como and Western Site Stormwater Improvement Plan

The purpose of the improvement plan is to describe site improvements that need to be made in order to affect changes that will minimize sediment transport from the site thereby improving the quality of stormwater that leaves the site. Several actions are recommended.

Recommended Facility Stormwater Best Management Practices

Structural BMPs

- Install biologs at west gate
- Install biologs around concrete bins
- Install new concrete bin for storage of roadway solid wastes
- Raise grade in NW portion of site
- Expand bituminous paved areas of site

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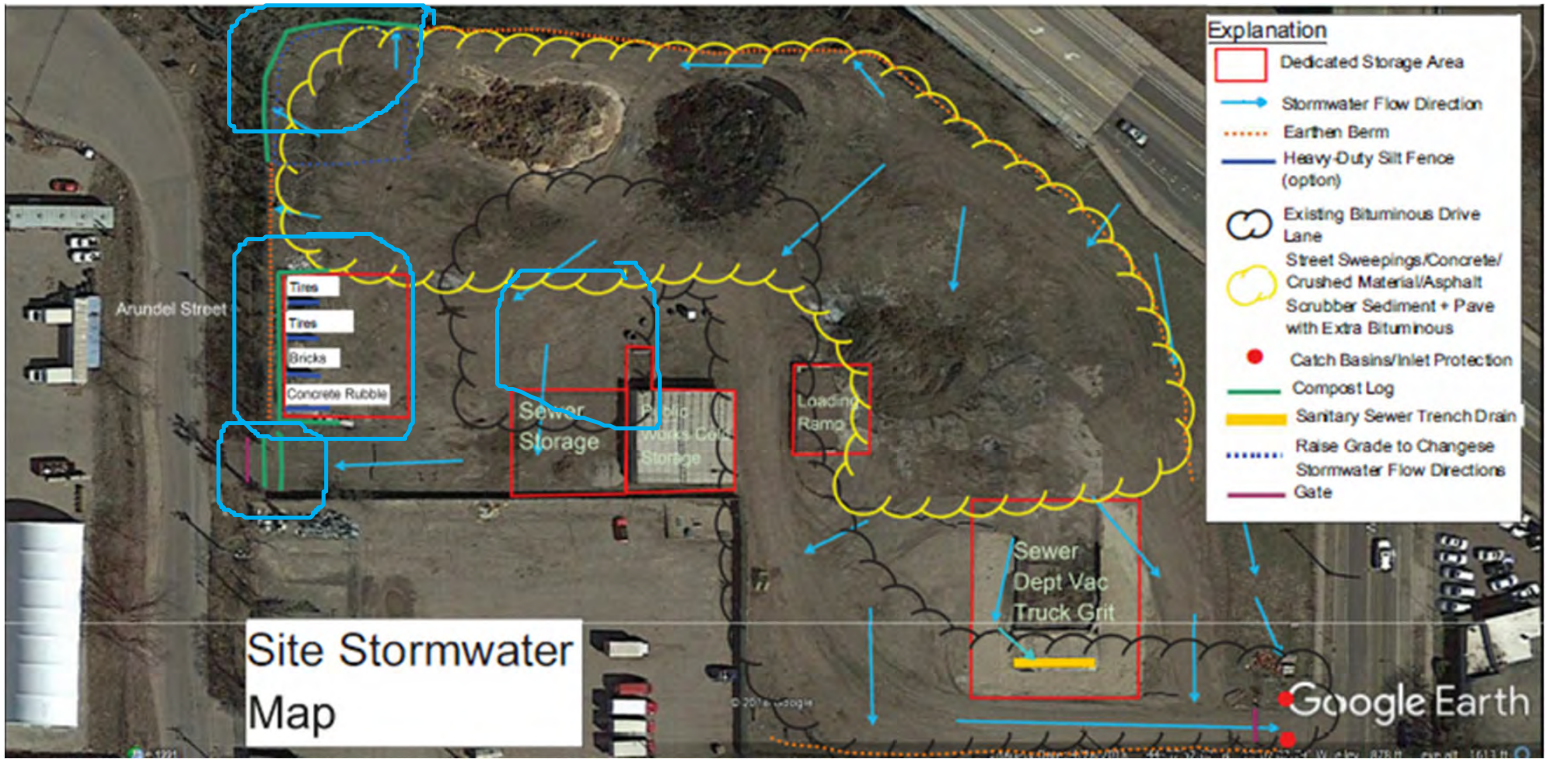

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Recommended Facility Stormwater Best Management Practices (continued)

Non-structural BMPs

- Perform monthly site stormwater inspections and document
- Sweep paved surfaces weekly during spring through fall months
- Jet and vactor site on-site storm sewer catch basins weekly
- Minimize storage of asphalt scrubber sediment
- Keep black dirt pile covered
- Evaluation of stormwater storage BMP needs for new wastes that may come to the site

Facility Stormwater Best Management Practices

- Como and Western Stormwater Management Policy
- Como and Western Stormwater Inspection Plan and Checklist
- Como and Western Site Stormwater Improvement Plan

Como and Western Stormwater Quality Management Policy

- **Policy Statement:**

The Saint Paul Sewer Utility uses the Como and Western facility to stockpile and dewater sediment obtained from cleaning City storm mains and structures. Accumulated sediment is dewatered at the facility and then trucked for off-site disposal once the facility has reached its holding capacity.

- **Reason for the Policy:**

This policy has been implemented to standardize how:

- Vector trucks are dumped.
- The site is maintained.
- Stockpiled material is dried
- Sediment transport from the site by stormwater is minimized.

Como and Western Site Stormwater Inspection Plan and Checklist

The City of St. Paul Public Works Department uses the Como & Western site to store various materials including: street sweepings, concrete, bricks, bituminous, brush, and storm sewer sediment. The purpose of the Como and Western storm water management plan is to employ practices that will minimize sediment transport from the site thereby improving the quality of stormwater that leaves the site.

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CITY OF ST. PAUL
419 BURGESS STREET FACILITY STORMWATER MANAGEMENT PLAN

December, 2020

Goal of the 419 Burgess Stormwater Management Plan

- To develop and maintain an ongoing effort to manage the stormwater quality responsibly related to stormwater runoff from the property

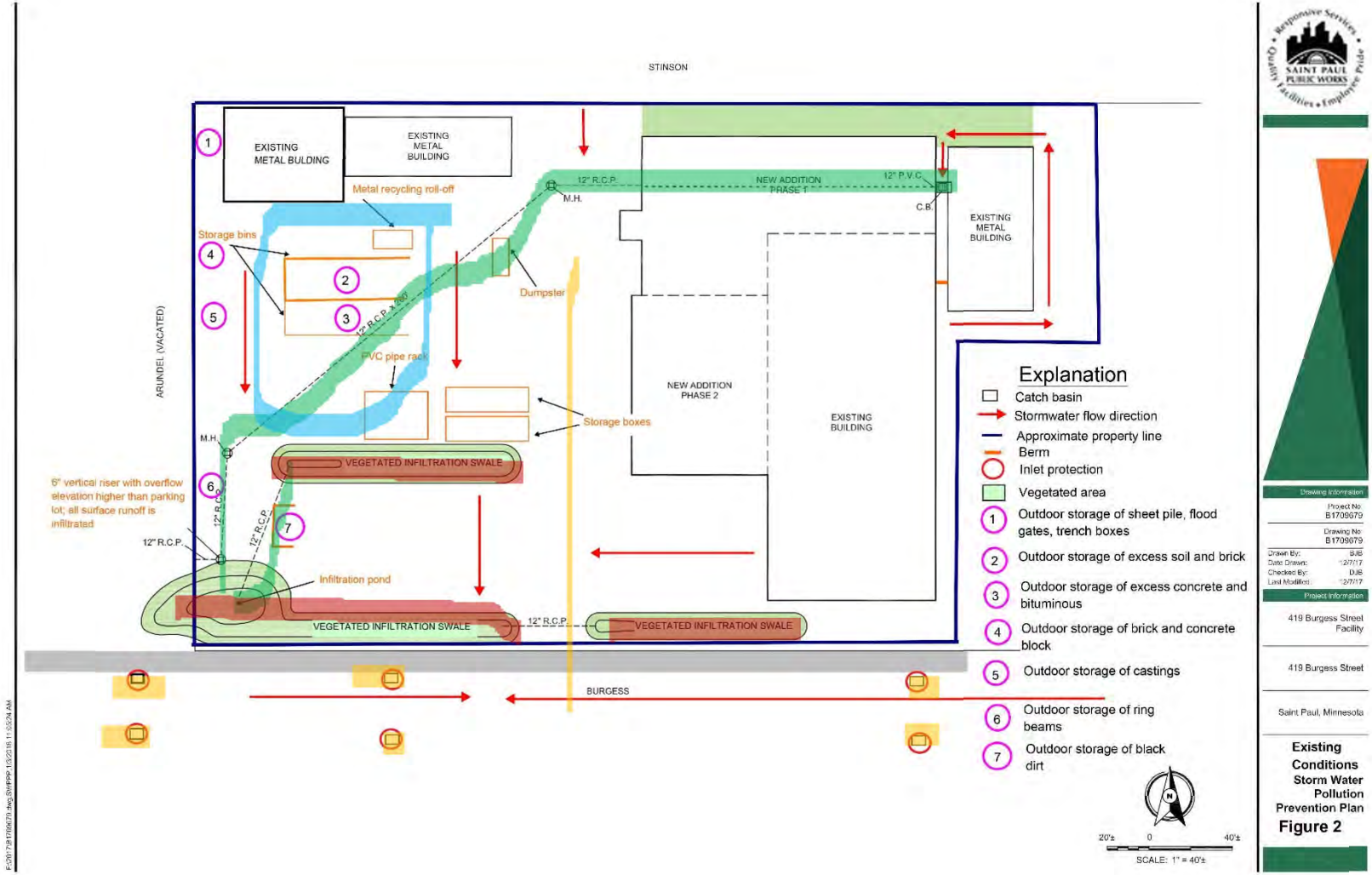
Materials Currently Exposed to Stormwater at the Facility

- Sheet pile, flood gates, trench boxes
- Excess soil and occasional brick
- Excess concrete and bituminous
- Clay, brick and concrete block
- Metal castings
- Ring beams
- Excess black dirt

Existing On-site Stormwater Facilities

- Three vegetated infiltration swales
- Soil, brick and concrete storage bins

BRAUN INTERTEC



Facility Stormwater Best Management Practices

Structural BMPs

- Weekly maintenance of the inlet protection of the 6 catch basins along Burgess Street.

Non-structural BMPs

- Keep dumpster lids closed when not adding waste
- Perform monthly site stormwater inspections and document
- Sweep paved surfaces weekly during spring through fall months
- Sweep up concrete waste from poured catch basin bottoms promptly
- Jet and vactor site 12” storm sewer annually
- Keep black dirt pile covered

Facility Stormwater Best Management Practices

- City of St. Paul Stormwater Management Policy
- 419 Burgess Street Weekly Inspection

St. Paul Public Works Street Maintenance
Dale Street Campus
Stormwater Pollution Prevention Plan (SWPPP)
March 2025

1. Objective

The City of St. Paul Public Works Dale Street Campus Pollution Prevention Plan (SWPPP) provides a standard operating procedure to responsibly manage stormwater runoff from the site. The goal of these activities is to minimize the discharge of pollutants to the St. Paul stormwater system by utilizing proper fleet and building maintenance practices, and proper operation and maintenance of parking lots and equipment and storage yards.

The current use of the property doesn't require a separate Industrial Stormwater (ISW) Pollution Prevention Plan or ISW permit coverage. Braun Intertec Corporation (Braun Intertec) was tasked by the City of St. Paul in November 2024 with evaluating site conditions and updating the 2018 stormwater pollution prevention plan for the site. Upon completion of the site visit, SWPPP review and interviews, Braun Intertec has prepared this SWPPP based on our observations and our understanding of site activities. This plan is intended to exceed minimum regulatory standards and to be consistent with the commitments contained within the City of St. Paul's Municipal Separate Storm Sewer System (MS4) permit MN0061263 (issued October 17, 2024).

The City of St. Paul's MS4 Permit requires the following under Section 13.3:
The Stormwater Management Program (SWMP) must utilize an adaptive management strategy by which the permittee monitors, analyzes, and adjusts the SWMP to achieve pollutant reductions to the Maximum Extent Practicable (MEP). The SWMP must consist of Sections 14 through 24. The permittee may modify the SWMP as described in Section 25. [Minn. R. 7090]

The City of St. Paul's SWMP includes the required Minimum Control Measures (MCMs) and monitoring per the MS4 permit.

- MCM 1. Public Education and Outreach,
- MCM 2. Public Participation and Involvement,
- MCM 3. Illicit Discharge Detection and Elimination,
- MCM 4. Construction Site Stormwater Runoff Control,
- MCM 5. Post-Construction Stormwater Management,
- MCM 6. Pollution Prevention and Good Housekeeping for Municipal Operations, and
- Section 21. Stormwater Runoff Monitoring and Analysis

2. Facility Location and History

The City of St. Paul's MS4 Stormwater management plan indicates the following Public Works locations:

- Dale Street Campus includes Bridge Maintenance, Street Maintenance, Traffic Operations and Municipal Equipment

St. Paul Public Works Street Maintenance includes two phases with existing structures on them. The first phase is located at 873 Dale Street North (see Figure 1- Site Location Map) and has been in operation since 1955. The site is 14.55 acres in size and impervious surfaces (rooftops and pavement) comprise approximately 98% of the total site area. Adjacent parcels to the east include: a commercial restaurant business; 3 residences; and a commercial automotive business. The adjacent parcel to the south belongs to BNSF Railway Co., and the parcel to the west holds a 98-acre cemetery.

The second phase is 899 Dale Street North and has had operations since 1986. The site is 1.66 acres and impervious surfaces (rooftops and pavement) comprise approximately 85% of the total site area. Adjacent parcels to the north include five residences and an apartment complex. The adjacent parcels to the east hold a commercial clothing store and a restaurant. To the west is the cemetery, and to the south is the 873 Dale Street City parcel, both described above. Both phases will henceforth be collectively described as "site", "property" or "facility" in this stormwater plan.

3. Facility Functions

There are a total of eleven buildings at the site, seven of which are contiguous with each other (see Figure 2). The facility is segregated into four operating entities: (a) Street Maintenance Division, (b) Traffic Operations, (c) Fleet Management, and (d) Bridge Maintenance; and each entity is used for the following functions:

a) Street/Bridge Maintenance Division
- Heated storage and maintenance of fleet vehicles and equipment;
- Heated and cooled staff offices;
- Cold storage of sand, untreated and treated salt;
- Cold parking/storage of fleet and employee vehicles and equipment;
- Cold storage of sander boxes; ballast rock, sand/clay/rock (class 5), black dirt and cold mix;
- Temporary storage of waste materials (scrap metal, tires, damaged electronics, etc.); and
- Temporary storage of fleet vehicles taken out of service.

b) Traffic Operations:
- Heated storage and maintenance of fleet vehicles and equipment;
- Heated and cooled staff offices;
- Cold storage of 55 gallon paint drums;
- Cold parking/storage of fleet and employee vehicles and equipment;
- Cold storage of traffic supplies and equipment (generators, pipes, light poles, trailers, metal castings, etc.);
- Waste metal, wires and cardboard to be recycled; and
- Temporary storage of waste materials (scrap metal, damaged electrical cabinets).

c) Fleet Management:
- Heated storage, washing and maintenance of fleet vehicles and equipment;
- Heated and cooled staff offices;
- Cold parking/storage of fleet and employee vehicles and equipment;
- Outdoor washing and maintenance of fleet vehicles and equipment;
- Fueling station (diesel, unleaded and E85); and
- Waste metal and cardboard to be recycled.

4. Facility Topography, Drainage and Stormwater Infrastructure

Elevations at the facility range from approximately 898 feet to 879 feet above mean sea level, with the highest elevation occurring in the east central portion of the property, and the lowest elevation occurring in the southern portion of the property. Stormwater surface flows generally run from the north and east to the south and west towards the catch basins on the site (Figure 2).

Information gathered from the City of St. Paul included buried stormsewer system mapping which flows from the north to the south. The stormsewer system eventually connects to a storm hydrodynamic separator (HDS) in the southwest corner of the site, prior to discharge offsite. Within the property boundaries there are eleven catch basins (Figure 2) that connect to the stormsewer system.

There are a total of five concrete storage bunkers at the facility (Figure 2). Three bunkers are located at the southeast portion of the site and contain a combination of ballast rock, sand/clay/rock (class 5) and black dirt. The other two concrete storage bunkers are at the southwestern portion of the site and contain a combination of scrap metal, car/truck tires and damaged electronics. These concrete structures help to contain potential sediments in stormwater that are shed from the materials being stored.

Access to the facility is from Dale Street North to the east and St. Albans Street North to the northwest. There are three stormwater catch basins located on Dale Street North. These catch basins are not thought to receive runoff from the site because of their higher rim elevation (approximately 896 feet) compared to the lower elevations of the site. There are no catch basins located on St. Albans Street North.

5. Materials Stored at the Facility (Not Exposed to Stormwater)

a) Street Maintenance Division

- Garage buildings and office

  The North, South and sanitation garage buildings are unconditioned spaces that are used for the storage of vehicles (front end loaders, street sweepers, snowplows, etc.) and equipment. The adjacent middle office building is used as an air-conditioned office space for employees.
- Cold storage sheds

  There are four cold storage sheds at the site. Two are covered salt storage sheds that are contiguous with one another- One with standard road salt and the other treated (with magnesium chloride) salt. The third storage shed onsite contains a sand and salt mixture. The fourth storage shed contains cold mix asphalt. None of the materials stored in these sheds require a temperature-controlled environment and are on an impervious surface. The cold storage provides protection from precipitation, therefore preventing stormwater contamination.

b) Traffic Operations

- Office, shop and butler buildings

  The shop and butler buildings are unconditioned spaces and used for the storage and repair of equipment. The shop building has a dedicated roof vent used to exhaust welding particulates that occur during repairs of equipment. The adjacent office

building is used as an air-conditioned office space for employees. One below ground 10,000 gallon fuel oil tank is located under the employee parking lot.

- Cold Storage Shed
  There is one cold storage shed at the site that houses 55-gallon paint drums. The paint is reportedly used for marking road surfaces and the quantities stored onsite fluctuates based on the time of year.

c) Fleet Operations
   - Garage building and office
     The garage building is an unconditioned space used for the storage of vehicles and equipment. The garage building has multiple dedicated side wall vents used to exhaust engine particulates from vehicles running inside the garage. The adjacent office building is used as conditioned office space for employees.
   - Service station and office
     The service station building is an unconditioned space used for the cleaning and maintenance of fleet vehicles and equipment. The adjacent office building is used as conditioned office space for employees.
   - Recycling Bin
     A roll-off cardboard recycling bin with an attached lid is located near the service station entrance. When the lid is closed, stormwater is shed from the bin and stormwater in contact with the cardboard is not generated.
   - Aboveground material storage containers
     There are four material storage containers onsite. One 1,000 gallon, double walled fuel storage tank containing ethanol fuel blend (E85). The second is a 175 gallon plastic cylinder containing antifreeze/coolant fluid. The third is a 175 gallon plastic cylinder containing windshield washer fluid. storage containers are fully enclosed therefore preventing stormwater contamination.
   - Underground storage tanks (USTs)
     There are four underground storage tanks onsite. Two are dedicated diesel fuel USTs each 20,000 gallons. Two 15,000 gallons USTs, one diesel and one unleaded gasoline. USTs are reportedly double-walled, with leak detection and overfill alarms.

6. Materials Currently Exposed to Stormwater at the Facility

Materials are stored at the site that are exposed to stormwater and are shown on Figure 2.

a) Street Maintenance Division:
   1. Equipment awaiting off-site disposal (cars, trucks, etc.);
   2. Sand, clay and rock (class 5);
   3. Ballast rock;
   4. Black dirt;
   5. Stored damaged electronics; and
   6. Stored waste (e.g. tires).

b) Traffic Operations:
   7. Power generators.
   8. Metal light posts;
   9. Wood light posts;
   10. Metal castings;

11. Metal pipes;
12. Traffic control signals;
13. Trailers;
14. Stored metal debris;
15. Stored damaged electrical box;
16. Uncovered cardboard recycling bin;
17. Uncovered metal recycling bin; and
18. Uncovered street light recycling bin.

c) Fleet Operations:
19. Uncovered metal recycling bin; and
20. Equipment awaiting off-site disposal.

While the above-listed materials do not generally contain highly soluble stormwater contaminants, evidence suggest that water-soluble contaminants such as copper and polychlorinated biphenyls (PCBs) are found in transformers, capacitors, voltage regulators, switches, etc. may be found in older TVs and streetlights. Once these materials are considered waste, they will be disposed of appropriately per regulatory requirement.

7. Existing On-site Stormwater BMPs

Inlet Protection

Eleven catch basins are onsite (Figure 2). Nine of the catch basins have inlet protection devices installed. The inlet protection devices capture any suspended sediment in the stormwater runoff from the site before discharging offsite to the underground stormwater system. The remaining catch basins are surrounded by adequate vegetation, and the other does not receive runoff from stored materials or equipment due to its location and higher elevation.

Storage Bunkers

Storage bunkers that contain ballast rock, sand/clay/rock (class 5), black dirt, scrap metal, and car/truck tires are present at the property (shown on Figure 2). These structures are inspected and cleaned as necessary.

Bio-Logs

Bio-logs are present at the entrance/exit of the treated salt storage shed (Figure 2). The Bio-logs contain nature wood chips. They form a physical barrier to assist with containing wind-blown salt particulates, slow the water flow to contain suspended sediments, prior to flowing into the nearby catch basin inlet protection.

Hydrodynamic Separator (HDS)

The facility utilizes an HDS system in the southwest corner. The HDS allows stormwater to flow through and provides additional time for solid settling or separation in order to remove sediment and other pollutants prior to discharge offsite. Annual cleaning is performed by Sewer Maintenance.

8. Facility Stormwater Best Management Practices

The existing stormwater BMPs are well-designed, well-constructed, and well-maintained with respect to their effectiveness in stormwater water quality management.

Structural BMPs

- ✓ Weekly inspection/maintenance of the inlet protection of the nine catch basins within the site
- ✓ Install oil absorbent filter socks inside of existing catch basins containing inlet protection
- ✓ Weekly inspection/maintenance of the filter logs
- ✓ Install spill kit near fuel pumps
- ✓ Store electronic waste and recycling material under cover
- ✓ Store all 55-gallon drums under cover, and if stored outdoors, store within secondary containment
- ✓ Keep black dirt pile covered

Non-structural BMPs

- ✓ Perform monthly site stormwater inspections and document inspections
- ✓ Dispose of non-functional material (e.g. tires, vehicles, equipment, damaged electronics, etc.) as soon as feasible
- ✓ At a minimum, dispose of all electronics annually
- ✓ Create a spill plan and train all facility employees on it annually
- ✓ Scrape accumulated oil and grease under older frontend loaders on eastern portion of site and dispose of it properly
- ✓ Do not apply paint outdoors if rain likely before the paint fully cures
- ✓ Remove light bulbs from street lights prior to placing in recycling bin
- ✓ Confirm street lights do not contain PCBs prior to placing in recycling bin
- ✓ Store equipment with onboard fuel (e.g. generators) away from catch basins as possible
- ✓ Sweep paved surfaces weekly during spring through fall months, after material deliveries, loading and unloading activities. Areas receiving less traffic (i.e. employee parking) do not receive weekly sweeping. The frequency of sweeping at this facility is based on activity, load, and season.
- ✓ Annual SWPPP Training for applicable Front-line staff

Summary:

The City of St. Paul will continue to develop, implement, and enforce this SWPPP designed to reduce the discharge of pollutants from the MS4 to the Maximum Extent Practicable (MEP), to protect water quality and to satisfy the appropriate water quality requirements of the Clean Water Act and the conditions of the MS4 permit.

Division Responsibilities:

a) Street Maintenance is responsible for full site sweeping.
b) Street Maintenance to dump the contents of the inlets adjacent to the structure and ensure that the sweeping operations picks up the inlet product.
c) Sewer Maintenance to vactor the hydrodynamic separator annually (around August), communicate with Street Maintenance on the timing of this operation.

d) Every division is responsible for the appropriate managements and storage of all the materials in their storage areas.

Responsible Parties:
Operations Engineer
Facility Maintenance Manager
Street Maintenance Engineer
Bridge Engineer
Traffic Operations Engineer
Municipal Equipment Manager

Figures

Dale Street Campus Weekly Inspection Form

Public Works Stormwater Management Plan

Weekly Checklist

Facility Maintenance Manager, on a weekly basis, will inspect and note observations of the facility. The inspection will be recorded on Shop Service Request.

Weather Conditions _____

Date _____

Precipitation Y/N Date_____Type (Rain/Snow) _____ Amount (in) _____

Weekly Inspections

- ☐ Walk entire area
  - ✓ Look for outdoor storage of bulk chemicals and return any bulk chemicals found to covered storage
  - ✓ Look for fluid leaks and spills from vehicle/equipment
  - ✓ Arrange for clean-up of spills
  - ✓ Confirm spill kit(s) are onsite, accessible and stocked
  - ✓ Materials are properly stored under cover where applicable

- ☐ Inspect inlet protection devices
  - ✓ 9 catch basins within property
  - ✓ Replace when torn or damaged

- ☐ Inspect filter logs
  - ✓ Filter Logs located in front of treated salt shed
  - ✓ Replace when torn or damaged

Weekly Actions

- ☐ Weekly sweeping of paved surfaces spring through fall months

- ☐ Weekly maintenance of the inlet protection devices of the 9 catch basins within the property

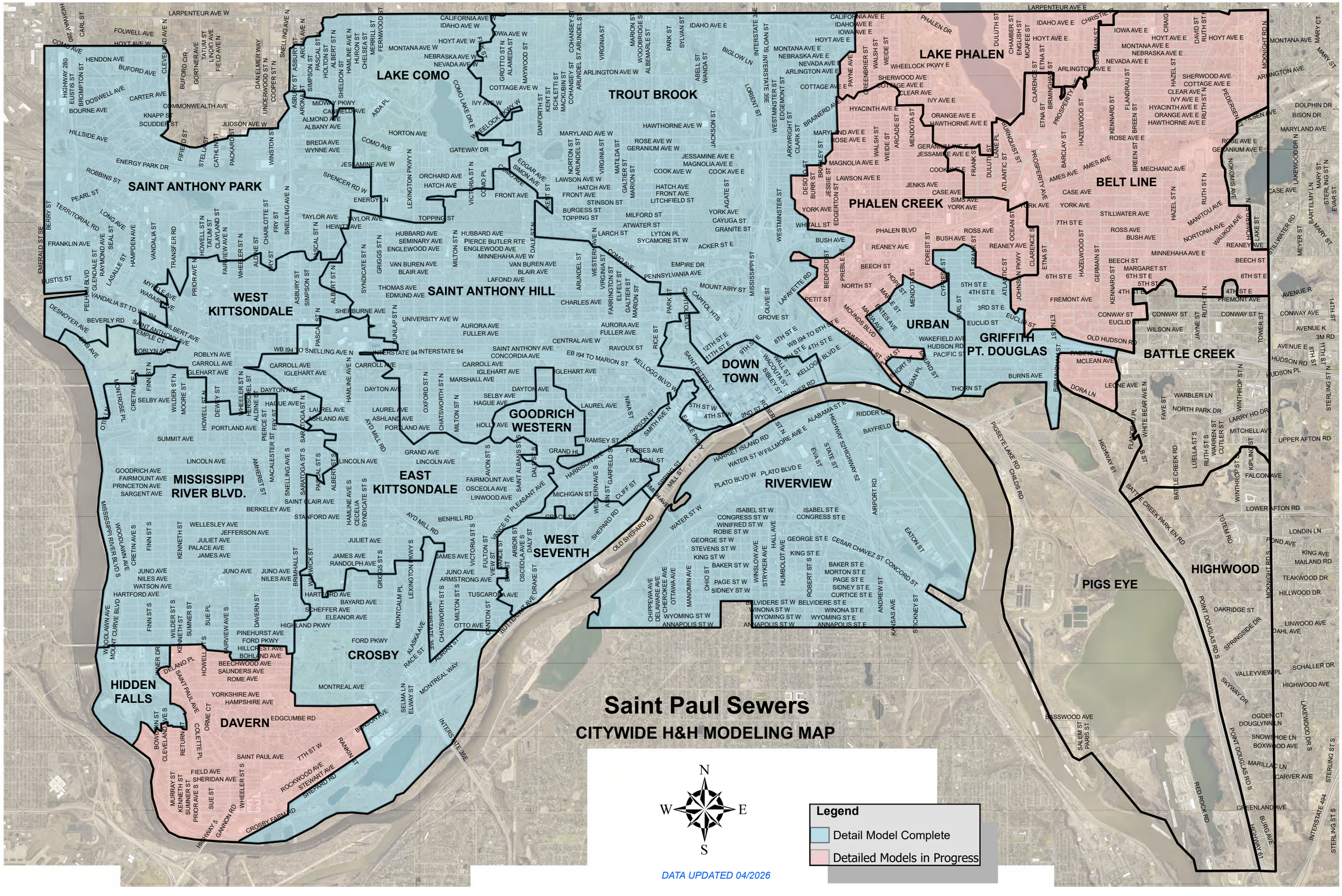
- ☐ Weekly maintenance of the filter logs

_____ _____

Signature Date/Time

Saint Paul Sewers

CITYWIDE H&H MODELING MAP



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Saint Paul Sewers

CITYWIDE P8 MODELING MAP

Legend

- Pond P8 Model Done
- P8 Detail Model Complete

N W E S

P8 MODELS DONE	BY:
1. SYLVAN-ACKER POND:	TKDA
2. BARGE CHANNEL PONDS:	TKDA
3. FLANDRAU-HOYT;	BARR
4. FLANDRAU-CASE;	BARR
5. BIRMINGHAM-YORK:	BARR
6. HAZEL-NOKOMIS:	BARR
7. HAZEL-ROSS:	BARR
8. BIRMINGHAM-MINNEHAHA:	BARR
9. ETNA-THIRD:	BARR
10. WILDVIEW-LENNOX:	CITY
11. HIGHWOOD OAK BLUFF:	CITY
12. CROSBY BUSINESS PARK:	STANTEC
13. CROSBY OUTLET:	STANTEC

DATA UPDATED 04/2026

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City of St. Paul

2025 Water Quantity & Quality Monitoring Program

SAINT PAUL
MINNESOTA

2025 Monitoring Site Locations

N
W E
S

0 2,500 5,000 10,000
Feet

36" MNDOT CONNECTION
24" LAUDERDALE CONNECTION
96" U of M CONNECTION
12" FORCEMAIN FROM FALCON HEIGHTS AND ROSEVILLE
36" PIPE FROM ROSEVILLE & RAMSEY COUNTY CONNECTION
30" RAMSEY COUNTY & ROSEVILLE CONNECTION
TROUT BROOK CONNECTION
I-35 DRAINAGE
48" CULVERT FROM RAMSEY COUNTY & MAPLEWOOD
RWMWD 72" ARCH CULVERT FROM BATTLE CREEK

Hampden Park BMP & Co-op (RG)
Allianz Field BMP
St. Albans Street BMP & Fire Station 18 (RG)
Victoria Street BMP & Pervious Pavement
Wilder (RG)
Bush Desoto BMP
East Phalen BMP
Jackson Street Pervious Pavement

CULVERTS FROM WEST ST. PAUL
CULVERTS FROM MAPLEWOOD & RAMSEY COUNTY
FISH CREEK

Vantor

Legend

- Raingarden/Infiltration Basin
- Infiltration Trench
- Pervious Pavement
- Capitol Region Watershed District
- Lower Mississippi River WMO
- Mississippi WMO
- Ramsey/Washington/Metro WD
- 2025 Monitoring Locations
- Rain Gauge Locations

Outfalls

- 30" - 48"
- 50" - 72"
- > 72"

wsb

12. City-wide Loading Assessment

12.1. 2025 Pollutant Loading Calculations

Monitoring major outfalls within the City of Saint Paul was completed by the Capitol Region Watershed District (CRWD) in 2025. Annual and seasonal pollutant loads were estimated for each sub watershed within the city for the loading parameters identified in the City's MS4 permit which include chloride (Cl), Total Kjeldahl Nitrogen (TKN), Total Phosphorus (TP), Nitrate Plus Nitrite (NO3 +NO2), Total Suspended Solids (TSS), and Volatile Suspended Solids (VSS). The sub watersheds within the city are included in **Table 12-1** below.

Monitoring data collected by CRWD from the following sub watersheds was utilized for this assessment: East Kittsondale, St. Anthony Park, and Trout Brook. Monitoring of each sub watershed was completed at or near the outfall. The stations were configured to collect continuous flow measurements, and water quality, in accordance with the City's MS4 Permit.

Table 12-1 Watershed Inventory

Watershed	Area [acre]	Runoff Coefficient [.]	Rainfall Station
Battle Creek	1106	0.54	Trout Brook
Beaver Lake	192	0.33	Trout Brook
Belt Line	3014	0.55	Trout Brook
Crosby	1679	0.45	Hampden Park Co-op
Davern	1302	0.55	Hampden Park Co-op
Downtown	550	0.75	CWRD Office
East Kittsondale	1872	0.62	CWRD Office
Fish Creek	46	0.52	Trout Brook
Goodrich/Western	424	0.63	CWRD Office
Griffith/Pt. Douglas	460	0.61	Trout Brook
Hidden Falls	313	0.55	Hampden Park Co-op
Highwood	1123	0.50	Trout Brook
Lake Como	1294	0.47	Hampden Park Co-op
Lake Phalen	1013	0.42	Trout Brook
Mississippi River Blvd.	2391	0.58	Hampden Park Co-op
MRWMO	135	0.70	Hampden Park Co-op
Phalen Creek	1405	0.62	Trout Brook
Pigs Eye	3001	0.40	Trout Brook
Riverview	1017	0.57	Trout Brook
St. Anthony Hill	2651	0.64	CWRD Office
St. Anthony Park	2481	0.68	Hampden Park Co-op
Trout Brook	3963	0.62	Trout Brook
Urban	327	0.57	Trout Brook
West Kittsondale	1042	0.67	Hampden Park Co-op
West Seventh	451	0.60	CWRD Office

Monitored Subwatershed

Annual and seasonal city-wide flow-weighted averages were calculated for each of the loading pollutants from the monitored outfall data. TKN, TP, TSS and VSS loads were generated by CRWD in the WISKI data management program. This allowed for the extraction of baseflow and the associated load from the event load for those parameters. Cl and NO_2+NO_3 loads were calculated for the event-based volume (baseflow volume extracted), although the base flow loading for those parameters was not extracted. The following formula was used to calculate the annual/seasonal flow weighted mean concentrations (**Table 12-2**):

$$C = \frac{\sum(F_i \times C_i)}{\sum(F_i)}$$

C = annual/seasonal flow weighted mean concentration [mg/L]*
F_i = the event-based flow for an individual event [cf]
C_i = the pollutant concentration for an individual event [mg/L]

*As described above, the flow-weighted mean concentration for TKN, TP, TSS, and VSS, was calculated from loads generated in the WISKI program, which extracted baseflow loading (not reflected in the formula above)

Table 12-2: City-wide Annual and Seasonal Flow-weighted Mean Concentrations

Parameter	Cl	TKN	TP	NO_2+NO_3	TSS	VSS
Units	[mg/L]	[mg/L]	[mg/L]	[mg/L]	[mg/L]	[mg/L]
Annual	279.2	2.0	0.40	0.62	201.0	47.7
Q1 (Jan-Mar)	824.1	2.4	0.35	0.76	228.6	44.7
Q2 (Apr-Jun)	242.7	2.0	0.35	0.60	218.0	52.5
Q3 (Jul-Sep)	224.8	1.8	0.37	0.59	189.5	40.5
Q4 (Oct-Dec)	331.9	2.0	0.61	0.70	167.4	50.3

Based on these calculated flow-weighted mean concentrations, the Simple Method was used to calculate each sub watershed's pollutant loading. Loads for the four monitored sub watersheds were generated using actual monitored loads. The Simple Method is shown below:

$$L = 2.72\left(\frac{PP_jR_v}{12}\right)(CA)$$

L = pollutant loading for the year/season [lb.]
P = rainfall depth for the year/season [in]
P_j = correction factor for storms that produce no runoff [.]
R_v = runoff coefficient [.]
C = flow-weighted mean concentration [mg/L]
A = area of the watershed [acre]

Values used in loading calculations:
R_v and A = Table 1
C = Table 2
P = Table 3
P_j = 0.85

The annual/seasonal precipitation totals for four different rainfall monitoring locations in St. Paul are provided in **Section 3** the **Table 3-1**. Each sub watershed was assigned precipitation data from the nearest precipitation monitoring site (see **Table 12-1** for assignments). The rainfall data was used as an input to the Simple Method for load calculations, as described above. Rain data outside the seasonal monitoring period was supplemented with data from the University of Minnesota – St. Paul.

The annual and seasonal pollutant loads for each of the City's sub watersheds are presented in **Tables 12-3 – 12-7**. Loads for the five monitored sites are actual totals calculated for each station. Those sites are highlighted blue.

Table 12-3. Annual Pollutant Loadings (lbs.)

Subwatershed	Cl	TKN	Total P	NO2+NO3	TSS	VSS
Battle Creek	254401	7118	1785	147513	561900	175236
Beaver Lake	26989	755	189	15649	59611	18590
Belt Line	706117	19756	4955	409437	1559610	486384
Crosby	344551	9640	2418	199785	761014	237332
Davern	326560	9137	2291	189354	721278	224940
Downtown	191032	5345	1340	110769	421936	131586
East Kittsondale	275143	4940	1074	275277	340023	141588
Fish Creek	10189	285	71	5908	22505	7018
Goodrich/Western	123706	3461	868	71730	273230	85210
Griffith/Pt. Douglas	119525	3344	839	69306	263996	82331
Hidden Falls	78505	2196	551	45521	173395	54075
Highwood	239178	6692	1678	138686	528275	164749
Lake Como	277346	7760	1946	160817	612578	191040
Lake Phalen	181230	5071	1272	105085	400284	124834
Mississippi River Blvd.	632408	17694	4437	366698	1396808	435613
MRWMO	43094	1206	302	24988	95183	29684
Phalen Creek	371055	10382	2604	215154	819555	255589
Pigs Eye	511325	14306	3588	296488	1129369	352208
Riverview	246926	6909	1733	143178	545388	170086
St. Anthony Hill	785729	21984	5513	455600	1735450	541222
St. Anthony Park	769353	21526	5398	446104	1699280	529942
Trout Brook	191686	8313	2242	1429	704874	183804
Urban	79395	2221	557	46037	175361	54689
West Kittsondale	318370	8908	2234	184605	703188	219298
West Seventh	125317	3506	879	72664	276790	86320

Table 12-4: Q1 (Jan-Mar) Pollutant Loading (lbs)

Subwatershed	Cl	TKN	Total P	NO2+NO3	TSS	VSS
Battle Creek	161065	1457	248	115100	49945	16047
Beaver Lake	17087	155	26	12211	5299	1702
Belt Line	447052	4043	688	319471	138628	44541
Crosby	203758	1843	313	145609	63184	20301
Davern	193120	1747	297	138006	59885	19241
Downtown	111244	1006	171	79497	34496	11083
East Kittsondale	188167	1427	227	188193	30986	14259
Fish Creek	6451	58	10	4610	2000	643
Goodrich/Western	72038	652	111	51479	22338	7177
Griffith/Pt. Douglas	75673	684	116	54077	23466	7539
Hidden Falls	46426	420	71	33177	14396	4626
Highwood	151427	1370	233	108212	46956	15087
Lake Como	164015	1483	252	117208	50860	16341
Lake Phalen	114739	1038	176	81994	35580	11432
Mississippi River Blvd.	373990	3382	575	267259	115972	37261
MRWMO	25485	230	39	18212	7903	2539
Phalen Creek	234920	2125	361	167878	72847	23406
Pigs Eye	323727	2928	498	231340	100386	32254
Riverview	156332	1414	240	111718	48478	15576
St. Anthony Hill	457554	4138	704	326976	141884	45587
St. Anthony Park	454976	4115	700	325133	141085	45330
Trout Brook	75454	957	178	194	50761	12007
Urban	50266	455	77	35921	15587	5008
West Kittsondale	188276	1703	290	134545	58383	18758
West Seventh	72976	660	112	52150	22629	7271

Table 12-5: Q2 (Apr-Jun) Pollutant Loading (lbs)

Subwatershed	Cl	TKN	Total P	NO2+NO3	TSS	VSS
Battle Creek	66670	3361	758	45845	241638	99561
Beaver Lake	7073	357	80	4864	25635	10562
Belt Line	185049	9328	2103	127246	670691	276342
Crosby	105696	5328	1201	72681	383086	157841
Davern	100178	5050	1139	68886	363083	149600
Downtown	56364	2841	641	38758	204285	84171
East Kittsondale	73225	2423	471	13896	215926	101519
Fish Creek	2670	135	30	1836	9678	3988
Goodrich/Western	36499	1840	415	25098	132288	54506
Griffith/Pt. Douglas	31323	1579	356	21539	113528	46777
Hidden Falls	24083	1214	274	16560	87285	35964
Highwood	62680	3160	712	43101	227178	93603
Lake Como	85080	4289	967	58504	308365	127054
Lake Phalen	47494	2394	540	32659	172137	70925
Mississippi River Blvd.	194001	9780	2205	133402	703137	289711
MRWMO	13220	666	150	9090	47914	19742
Phalen Creek	97241	4902	1105	66866	352439	145214
Pigs Eye	134001	6755	1523	92143	485671	200109
Riverview	64711	3262	735	44497	234537	96635
St. Anthony Hill	231829	11687	2635	159414	840240	346200
St. Anthony Park	236011	11898	2682	162289	855398	352446
Trout Brook	33870	3403	840	361	221830	73588
Urban	20807	1049	236	14307	75412	31072
West Kittsondale	97665	4923	1110	67158	353977	145848
West Seventh	36975	1864	420	25425	134011	55216

Table 12-6: Q3 (Jul-Sep) Pollutant Loading

Subwatershed	Cl	TKN	Total P	NO2+NO3	TSS	VSS
Battle Creek	37614	2277	586	3678	224281	57661
Beaver Lake	3990	242	62	390	23794	6117
Belt Line	104402	6319	1626	10208	622515	160045
Crosby	45041	2726	701	4404	268566	69047
Davern	42690	2584	665	4174	254544	65442
Downtown	26221	1587	408	2564	156346	40195
East Kittsondale	7539	559	111	3227	40408	13911
Fish Creek	1506	91	23	147	8983	2309
Goodrich/Western	16980	1028	264	1660	101244	26029
Griffith/Pt. Douglas	17672	1070	275	1728	105373	27091
Hidden Falls	10263	621	160	1003	61192	15732
Highwood	35363	2140	551	3458	210860	54211
Lake Como	36256	2194	565	3545	216183	55579
Lake Phalen	26796	1622	417	2620	159773	41077
Mississippi River Blvd.	82672	5004	1287	8083	492942	126732
MRWMO	5634	341	88	551	33591	8636
Phalen Creek	54862	3321	854	5364	327123	84101
Pigs Eye	75601	4576	1177	7392	450785	115894
Riverview	36509	2210	568	3570	217690	55967
St. Anthony Hill	107848	6528	1679	10545	643060	165327
St. Anthony Park	100574	6087	1566	9834	599686	154176
Trout Brook	78733	3864	1091	849	406602	94664
Urban	11739	711	183	1148	69995	17995
West Kittsondale	41619	2519	648	4069	248160	63800
West Seventh	17201	1041	268	1682	102563	26368

Table 12-7: Q4 (Oct-Dec) Pollutant Loading (lbs)

Subwatershed	Cl	TKN	Total P	NO2+NO3	TSS	VSS
Battle Creek	29048	500	548	9005	136626	14767
Beaver Lake	3082	53	58	955	14494	1567
Belt Line	80625	1388	1521	24994	379218	40989
Crosby	36647	631	691	11361	172369	18631
Davern	34734	598	655	10767	163369	17658
Downtown	20008	344	377	6202	94106	10172
East Kittsondale	6212	159	218	6217	34901	3400
Fish Creek	1163	20	22	361	5472	591
Goodrich/Western	12956	223	244	4016	60940	6587
Griffith/Pt. Douglas	13648	235	257	4231	64191	6938
Hidden Falls	8350	144	157	2588	39274	4245
Highwood	27310	470	515	8466	128450	13884
Lake Como	29499	508	556	9145	138748	14997
Lake Phalen	72991	1257	1377	22627	343311	37107
Mississippi River Blvd.	67264	1158	1269	20852	316375	34196
MRWMO	4584	79	86	1421	21559	2330
Phalen Creek	42368	729	799	13134	199274	21539
Pigs Eye	58384	1005	1101	18099	274605	29681
Riverview	28194	485	532	8740	132611	14334
St. Anthony Hill	82294	1417	1552	25511	387066	41837
St. Anthony Park	10481	101	32	59	9343	3386
Trout Brook	3629	89	133	24	25681	3545
Urban	9065	156	171	2810	42639	4609
West Kittsondale	33863	583	639	10497	159271	17215
West Seventh	13125	226	248	4069	61734	6673

Minnesota Pollution Control Agency
520 Lafayette Road North
St. Paul, MN 55155-4194

TMDL Annual Report Form

Municipal Separate Storm Sewer Systems (MS4) Program

Doc Type: Annual Report

Form Information

This form is to be completed annually by MS4s in order to track the completed BMP activities and to calculate the cumulative loading reduction for specific pollutants of concern associated with each applicable WLA. Navigate through this form using the tabs at the bottom of the page. All information is collected in accordance with Part III.E of the MS4 Permit.

Green Tabs (REQUIRED): user-input worksheet
Blue Tabs (hidden*): optional user-input worksheet
Yellow Tabs (hidden*): reference worksheet

*Reveal hidden spreadsheet tabs by navigating to Home->Cells->Format->Hide & Unhide->Unhide Sheet

Please refer to the Guidance for Completing the TMDL Reporting Form in the Minnesota Stormwater Manual for additional assistance and instructions. Sections of the guidance are hyperlinked throughout this spreadsheet.

User Information

Date Updated: 4/27/2026

Permittee: St. Paul

Permit ID: MN0061263

Contact Name: Brady Zeug

Contact Phone: 651-266-6231

Contact email: brady.zeug@ci.stpaul.mn.us

Mailing address: 25 W 4th St, St. Paul, MN 55102

Reporting Year	Data Entry Date	Entered by	Notes
2020	3/1/2021	St. Paul Sewers	
2021	4/1/2022	St. Paul Sewers	
2022	4/27/2023	St. Paul Sewers	
2023	4/12/2024	St. Paul Sewers	
2024	4/8/2025	St. Paul Sewers	
2025	4/27/2026	St. Paul Sewers	

BMP - Activities Completed Spreadsheet

For MPCA use only			Required		Optional	Required							Optional		Required: Place an "X" in a cell if the BMP applies to the TMDL shown in the column					
Entry ID	Permittee	MS4 ID	Reporting year	BMP/Activity	BMP Description	Location and ID Information Needed?	BMP ID	y-coord (lat, e.g. 44.9866)	x-coord (long, e.g. -93.2581)	Coordinate system (e.g. lat-long, UTM)	Who owns this BMP/activity?	If applicable, name other owner(s)	Year when BMP was implemented	Note(s)	Como Lake: Excess Nutrients TMDL	South Metro Mississippi River TMDL (Metro)	Twin Cities Metro Area Chloride TMDL	Ramsey-Washington Metro Watershed District TMDL	Ramsey-Washington Metro Watershed District TMDL	Ramsey-Washington Metro Watershed District TMDL
MN0061263-1	St. Paul	MN0061263													Como Lake - Phosphorus	South Metro Mississippi River TMDL (Metro) - TSS	Battle Creek; Como Lake; Kasota Ponds North; Kasota Ponds West; Mallard Marsh -	Battle Creek -TSS	Fish Creek - E. coli	Wakefield Lake - Phosphorus
MN0061263-2	St. Paul	MN0061263	2019	Infiltrator	Infiltration trench	Complete columns H through K	1501994	44.9387	-93.1441	Lat-long	Permittee (you)	NA	2006	Chatsworth-Goodrich Trench at Lincoln and Oxford		X				
MN0061263-3	St. Paul	MN0061263	2019	Infiltrator	Infiltration trench	Complete columns H through K	1501991	44.9371	-93.144	Lat-long	Permittee (you)	NA	2006	Chatsworth-Goodrich Trench at Fairmount and Oxford (North)		X				
MN0061263-4	St. Paul	MN0061263	2019	Infiltrator	Infiltration trench	Complete columns H through K	1501991	44.9364	-93.144	Lat-long	Permittee (you)	NA	2006	Chatsworth-Goodrich Trench at Fairmount and Oxford (South)		X				
MN0061263-5	St. Paul	MN0061263	2019	Infiltrator	Infiltration trench	Complete columns H through K	1501997	44.9377	-93.1415	Lat-long	Permittee (you)	NA	2006	Chatsworth-Goodrich Trench at Chatsworth and Goodrich		X				
MN0061263-6	St. Paul	MN0061263	2019	Infiltrator	Infiltration trench	Complete columns H through K	1501995	44.936	-93.1415	Lat-long	Permittee (you)	NA	2006	Chatsworth-Goodrich Trench at Chatsworth and Osceola		X				
MN0061263-7	St. Paul	MN0061263	2019	Infiltrator	Bioretention with no underdrain (rain garden)	Complete columns H through K	1502184	44.9317	-93.014	Lat-long	Permittee (you)	NA	2006	Londin Lane-Burlington Road Reconstruction		X				
MN0061263-8	St. Paul	MN0061263	2019	Infiltrator	Infiltration trench	Complete columns H through K	1502009	44.9641	-93.1578	Lat-long	Permittee (you)	NA	2007	Hubbard/Griggs Trench at Hamline and Englewood		X				
MN0061263-9	St. Paul	MN0061263	2019	Infiltrator	Infiltration trench	Complete columns H through K	1502012	44.9641	-93.1542	Lat-long	Permittee (you)	NA	2007	Hubbard/Griggs Trench at Syndicate and Englewood		X				
MN0061263-10	St. Paul	MN0061263	2019	Infiltrator	Infiltration trench	Complete columns H through K	1502020	44.9643	-93.1517	Lat-long	Permittee (you)	NA	2007	Hubbard/Griggs Trench at Griggs and Englewood		X				
MN0061263-11	St. Paul	MN0061263	2019	Infiltrator	Infiltration trench	Complete columns H through K	1502014	44.9661	-93.1542	Lat-long	Permittee (you)	NA	2007	Hubbard/Griggs Trench at Syndicate and Hubbard		X				
MN0061263-12	St. Paul	MN0061263	2019	Infiltrator	Infiltration trench	Complete columns H through K	1502015	44.9668	-93.1542	Lat-long	Permittee (you)	NA	2007	Hubbard/Griggs Trench at Syndicate and Hewitt		X				
MN0061263-13	St. Paul	MN0061263	2019	Infiltrator	Infiltration trench	Complete columns H through K	1502015	44.9672	-93.1543	Lat-long	Permittee (you)	NA	2007	Hubbard/Griggs Trench at Syndicate and Taylor		X				
MN0061263-14	St. Paul	MN0061263	2019	Infiltrator	Infiltration trench	Complete columns H through K	1502027	44.9285	-93.1517	Lat-long	Permittee (you)	NA	2007	Jefferson/Griggs Trench at Palace and Griggs		X				
MN0061263-15	St. Paul	MN0061263	2019	Infiltrator	Infiltration trench	Complete columns H through K	1502030	44.9283	-93.1503	Lat-long	Permittee (you)	NA	2007	Jefferson/Griggs Trench at Palace and Edgecumbe		X				
MN0061263-16	St. Paul	MN0061263	2019	Infiltrator	Infiltration trench	Complete columns H through K	1502025	44.9301	-93.1543	Lat-long	Permittee (you)	NA	2007	Jefferson/Griggs Trench at Syndicate and Juliet		X				
MN0061263-17	St. Paul	MN0061263	2019	Infiltrator	Infiltration trench	Complete columns H through K	1502026	44.9311	-93.1543	Lat-long	Permittee (you)	NA	2007	Jefferson/Griggs Trench at Syndicate and Wellesley		X				
MN0061263-18	St. Paul	MN0061263	2019	Infiltrator	Infiltration trench	Complete columns H through K	1432139	44.9904	-93.035	Lat-long	Permittee (you)	NA	2007	White Bear/Burns Trench at Christie and Idaho		X				
MN0061263-19	St. Paul	MN0061263	2019	Infiltrator	Infiltration trench	Complete columns H through K	1432139	44.9467	-93.0303	Lat-long	Permittee (you)	NA	2007	White Bear/Burns Trench at Kennard and Louise				X		
MN0061263-20	St. Paul	MN0061263	2019	Infiltrator	Infiltration trench	Complete columns H through K	1432136	44.9445	-93.0277	Lat-long	Permittee (you)	NA	2007	White Bear/Burns Trench at Flandrau and Upper Afton				X		
MN0061263-21	St. Paul	MN0061263	2019	Infiltrator	Infiltration trench	Complete columns H through K	1502120	44.9465	-93.0557	Lat-long	Permittee (you)	NA	2008	Earl/McLean Trench at Mounds and Earl		X				
MN0061263-22	St. Paul	MN0061263	2019	Infiltrator	Infiltration trench	Complete columns H through K	1502117	44.9461	-93.0533	Lat-long	Permittee (you)	NA	2008	Middle Trench on Mounds (Earl/McLean)		X				
MN0061263-23	St. Paul	MN0061263	2019	Infiltrator	Infiltration trench	Complete columns H through K	1502118	44.9482	-93.0501	Lat-long	Permittee (you)	NA	2008	Easternmost Trench on Mounds (Earl/McLean)		X				
MN0061263-24	St. Paul	MN0061263	2019	Infiltrator	Infiltration trench	Complete columns H through K	1502116	44.9473	-93.0543	Lat-long	Permittee (you)	NA	2008	Earl/McLean Trench at Frank and Thorn		X				
MN0061263-25	St. Paul	MN0061263	2019	Infiltrator	Infiltration trench	Complete columns H through K	1502121	44.9493	-93.0414	Lat-long	Permittee (you)	NA	2008	Earl/McLean Trench at Etna and Burns		X				
MN0061263-26	St. Paul	MN0061263	2019	Infiltrator	Infiltration trench	Complete columns H through K	1502115	44.9843	-93.0329	Lat-long	Permittee (you)	NA	2008	Ivy/Kennard Trench at Germain and Sherwood		X				
MN0061263-27	St. Paul	MN0061263	2019	Infiltrator	Infiltration trench	Complete columns H through K	1502111	44.9825	-93.0329	Lat-long	Permittee (you)	NA	2008	Ivy/Kennard Trench at Germain and Cottage		X				
MN0061263-28	St. Paul	MN0061263	2019	Infiltrator	Infiltration trench	Complete columns H through K	1502111	44.9816	-93.0329	Lat-long	Permittee (you)	NA	2008	Ivy/Kennard Trench at Germain and Ivy		X				
MN0061263-29	St. Paul	MN0061263	2019	Infiltrator	Infiltration trench	Complete columns H through K	1502099	44.9215	-93.1287	Lat-long	Permittee (you)	NA	2008	Seventh/Bay Trench at Bay and Butternut		X				
MN0061263-30	St. Paul	MN0061263	2019	Infiltrator	Infiltration trench	Complete columns H through K	1502192	44.9819	-93.1884	Lat-long	Permittee (you)	NA	2009	Knapp/Raymond Trench on Carter		X				
MN0061263-31	St. Paul	MN0061263	2019	Infiltrator	Infiltration trench	Complete columns H through K	1502199	44.9816	-93.1888	Lat-long	Permittee (you)	NA	2009	Knapp/Raymond Trench in Alley		X				
MN0061263-32	St. Paul	MN0061263	2019	Infiltrator	Infiltration trench	Complete columns H through K	1502195	44.9797	-93.1877	Lat-long	Permittee (you)	NA	2009	Knapp/Raymond Trench on Knapp		X				
MN0061263-33	St. Paul	MN0061263	2019	Infiltrator	Infiltration trench	Complete columns H through K	1502536	44.9357	-93.19	Lat-long	Permittee (you)	NA	2009	Cretin/Goodrich Trench at Sargent and Finn		X				
MN0061263-34	St. Paul	MN0061263	2019	Filter	Bioretention with underdrain (rain garden)	Complete columns H through K	1502546	44.978	-93.1359	Lat-long	Permittee (you)	NA	2009	Victoria/Arlington Trench at Como Lake Dr and Maryland	X					
MN0061263-35	St. Paul	MN0061263	2019	Infiltrator	Infiltration trench	Complete columns H through K	1502548	44.9626	-93.0741	Lat-long	Permittee (you)	NA	2009	Payne Trench at Payne and Minnehaha		X				
MN0061263-36	St. Paul	MN0061263	2019	Infiltrator	Infiltration trench	Complete columns H through K	1216132	44.9552	-93.1289	Lat-long	Permittee (you)	NA	2010	St Albans Trench Aurora to University		X				
MN0061263-37	St. Paul	MN0061263	2019	Infiltrator	Infiltration trench	Complete columns H through K	1216137	44.9554	-93.1187	Lat-long	Permittee (you)	NA	2010	Arundel Trench Aurora to University		X				
MN0061263-38	St. Paul	MN0061263	2019	Infiltrator	Infiltration basin	Complete columns H through K	1216123	44.9731	-93.1365	Lat-long	Permittee (you)	NA	2010	Front/Victoria Trench at Victoria and Orchard	X					
MN0061263-39	St. Paul	MN0061263	2019	Infiltrator	Infiltration trench	Complete columns H through K	1502554	44.9698	-93.1415	Lat-long	Permittee (you)	NA	2010	Front/Victoria Trench at Chatsworth and Front	X					
MN0061263-40	St. Paul	MN0061263	2019	Infiltrator	Infiltration trench	Complete columns H through K	1502554	44.9688	-93.1416	Lat-long	Permittee (you)	NA	2010	Front/Victoria Trench at Chatsworth and Burgess	X					
MN0061263-41	St. Paul	MN0061263	2019	Infiltrator	Underground infiltration	Complete columns H through K	1718554	44.9732	-93.1385	Lat-long	Permittee (you)	NA	2010	Infiltration Manhole on Colne Street	X					
MN0061263-42	St. Paul	MN0061263	2019	Infiltrator	Underground infiltration	Complete columns H through K	1718552	44.9735	-93.1395	Lat-long	Permittee (you)	NA	2010	Infiltration Manhole on Ryde Street	X					
MN0061263-43	St. Paul	MN0061263	2019	Infiltrator	Infiltration trench	Complete columns H through K	1227690	44.9678	-93.0599	Lat-long	Permittee (you)	NA	2010	Beacon/Bluff Infiltration system at Wells/Duchess		X				

Entry ID	Permittee	MS4 ID	Reporting year	BMP/Activity	BMP Description	Location and ID Information Needed?	BMP ID	y-coord (lat, e.g. 44.9866)	x-coord (long, e.g. -93.2581)	Coordinate system (e.g. lat-long, UTM)	Who owns this BMP/activity?	If applicable, name other owner(s)	Year when BMP was implemented	Note(s)	Como Lake - Phosphorus	South Metro Mississippi River TMDL (Metro) - TSS	Battle Creek; Como Lake; Kasota Ponds North; Kasota Ponds West; Mallard Marsh -	Battle Creek -TSS	Fish Creek - E. coli	Wakefield Lake - Phosphorus
MN0061263-44	St. Paul	MN0061263	2019	Infiltrator	Infiltration trench	Complete columns H through K	1502575	44.961	-93.1543	Lat-long	Permittee (you)	NA	2011	Blair/Griggs Trench at Syndicate and Blair		X				
MN0061263-45	St. Paul	MN0061263	2019	Infiltrator	Infiltration trench	Complete columns H through K	1502576	44.96	-93.1517	Lat-long	Permittee (you)	NA	2011	Blair/Griggs Trench at Griggs and Lafond		X				
MN0061263-46	St. Paul	MN0061263	2019	Infiltrator	Infiltration trench	Complete columns H through K	1502577	44.96	-93.1492	Lat-long	Permittee (you)	NA	2011	Blair/Griggs Trench at Dunlap and Lafond		X				
MN0061263-47	St. Paul	MN0061263	2019	Infiltrator	Infiltration trench	Complete columns H through K	1502578	44.9624	-93.1492	Lat-long	Permittee (you)	NA	2011	Blair/Griggs Trench at Dunlap and Van Buren		X				
MN0061263-48	St. Paul	MN0061263	2019	Infiltrator	Infiltration trench	Complete columns H through K	1502657	44.9668	-93.1804	Lat-long	Permittee (you)	NA	2012	Hewitt/Tatum Trench at Tatum and Hewitt		X				
MN0061263-49	St. Paul	MN0061263	2019	Infiltrator	Infiltration trench	Complete columns H through K	1502656	44.9652	-93.1804	Lat-long	Permittee (you)	NA	2012	Hewitt/Tatum Trench at Tatum and Pennock		X				
MN0061263-50	St. Paul	MN0061263	2019	Infiltrator	Infiltration trench	Complete columns H through K	1502658	44.9008	-93.1792	Lat-long	Permittee (you)	NA	2012	Madison/Benson Trench at Sue and Wordsworth		X				
MN0061263-51	St. Paul	MN0061263	2019	Infiltrator	Infiltration trench	Complete columns H through K	1502658	44.9008	-93.178	Lat-long	Permittee (you)	NA	2012	Madison/Benson Trench at Edgecumbe and Wordsworth		X				
MN0061263-52	St. Paul	MN0061263	2019	Infiltrator	Infiltration trench	Complete columns H through K	1502660	44.9879	-93.0295	Lat-long	Permittee (you)	NA	2012	Hillcrest Knoll Park and Dale Street stormwater improvement at Hillcrest Knoll Park		X				
MN0061263-53	St. Paul	MN0061263	2019	Infiltrator	Infiltration trench	Complete columns H through K	1502661	44.9694	-93.1985	Lat-long	Permittee (you)	NA	2013	Hampden Park Trench		X				
MN0061263-54	St. Paul	MN0061263	2019	Filter	Iron enhanced filter	Complete columns H through K	1615136	44.9761	-93.0929	Lat-long	Permittee (you)	NA	2014	Trout Brook Nature Sanctuary (South of Maryland)		X				
MN0061263-55	St. Paul	MN0061263	2019	Filter	Iron enhanced filter	Complete columns H through K	1615151	44.9741	-93.0931	Lat-long	Permittee (you)	NA	2014	Trout Brook Nature Sanctuary (at Magnolia Ave)		X				
MN0061263-56	St. Paul	MN0061263	2019	Filter	Iron enhanced filter	Complete columns H through K	1615153	44.9711	-93.0922	Lat-long	Permittee (you)	NA	2014	Trout Brook Nature Sanctuary (at Jenks Ave)		X				
MN0061263-57	St. Paul	MN0061263	2019	Infiltrator	Infiltration trench	Complete columns H through K	1613993	44.9483	-93.1165	Lat-long	Permittee (you)	NA	2014	Western Ave Trench at Western and Marshall		X				
MN0061263-58	St. Paul	MN0061263	2019	Infiltrator	Infiltration trench	Complete columns H through K	1718556	44.9124	-93.1678	Lat-long	Permittee (you)	NA	2014	Montreal Ave Trench at Montreal and Snelling		X				
MN0061263-59	St. Paul	MN0061263	2019	Infiltrator	Bioretention with no underdrain (rain garden)	Complete columns H through K	1718548	44.9771	-93.145	Lat-long	Permittee (you)	NA	2015	Como-Chatsworth Filtration Basin (East) at Horton and Churchill	X					
MN0061263-60	St. Paul	MN0061263	2019	Infiltrator	Infiltration trench	Complete columns H through K	1718548	44.9772	-93.1446	Lat-long	Permittee (you)	NA	2015	Como-Chatsworth Filtration Basin (West) at Como and Churchill	X					
MN0061263-61	St. Paul	MN0061263	2019	Infiltrator	Infiltration trench	Complete columns H through K	1718536	44.9746727	-93.137728	Lat-long	Permittee (you)	NA	2016	Como-Chatsworth Phase II Trench	X					
MN0061263-62	St. Paul	MN0061263	2019	Manufactured_device	SAFL Baffle	No ID information needed	1705329	44.9579816	-93.0916384	Lat-long	Permittee (you)	NA	2016	University Ave Trench at 12th St		X				
MN0061263-63	St. Paul	MN0061263	2019	Manufactured_device	SAFL Baffle	No ID information needed	1718561	44.976571	-93.190874	Lat-long	Permittee (you)	NA	2016	Raymond Ave Phase III Trench at Priscilla		X				
MN0061263-64	St. Paul	MN0061263	2019	Manufactured_device	SAFL Baffle	No ID information needed	1718564	44.973888	-93.1465827	Lat-long	Permittee (you)	NA	2016	McMurray Field at Lexington and Jessamine	X					
MN0061263-65	St. Paul	MN0061263	2019	Manufactured_device	SAFL Baffle	No ID information needed	1806449	44.9795891	93.1931973	Lat-long	Permittee (you)	NA	2017	Como 2017 Trench at Hillside		X				
MN0061263-66	St. Paul	MN0061263	2019	Manufactured_device	SAFL Baffle	No ID information needed	1802711	44.9756049	-93.1356788	Lat-long	Permittee (you)	NA	2017	Como Park HS at Rose	X					
MN0061263-67	St. Paul	MN0061263	2019	Manufactured_device	Gross pollutant trap	No ID information needed	1806439	44.9775139	-93.1354225	Lat-long	Permittee (you)	NA	2017	Wheelock Parkway-CDS structure at Victoria	X					
MN0061263-68	St. Paul	MN0061263	2019	Infiltrator	Infiltration trench	Complete columns H through K	1806440	44.9805571	-93.130087	Lat-long	Permittee (you)	NA	2017	Wheelock Parkway Trench at Alameda	X					
MN0061263-69	St. Paul	MN0061263	2019	Infiltrator	Infiltration trench	Complete columns H through K	1806453	44.9419077	-93.0202492	Lat-long	Permittee (you)	NA	2017	Battle Creek Trench at Upper Afton				X		
MN0061263-70	St. Paul	MN0061263	2019	Infiltrator	Infiltration trench	Complete columns H through K	1806457	44.9900725	-93.0479802	Lat-long	Permittee (you)	NA	2017	Idaho-Atlantic at Atlantic		X				
MN0061263-71	St. Paul	MN0061263	2019	Infiltrator	Infiltration trench	Complete columns H through K	1806458	44.9900539	-93.0473107	Lat-long	Permittee (you)	NA	2017	Idaho-Atlantic at Chamber		X				
MN0061263-72	St. Paul	MN0061263	2019	Manufactured_device	SAFL Baffle	No ID information needed	1910955	44.9537302	-93.04947254	Lat-long	Permittee (you)	NA	2018	Jackson St at 12 St		X				
MN0061263-73	St. Paul	MN0061263	2019	Manufactured_device	SAFL Baffle	No ID information needed	1910963	44.9306828	-93.1959043	Lat-long	Permittee (you)	NA	2018	Woodlawn-Jefferson at Woodlawn		X				
MN0061263-74	St. Paul	MN0061263	2019	Infiltrator	Infiltration trench	Complete columns H through K	1910966	44.9828368	-93.1962685	Lat-long	Permittee (you)	NA	2018	Como Ave at Luther		X				
MN0061263-75	St. Paul	MN0061263	2019	Infiltrator	Infiltration trench	Complete columns H through K	1910973	44.9829326	-93.1185004	Lat-long	Permittee (you)	NA	2018	Wheelock Parkway at Arundel		X				
MN0061263-76	St. Paul	MN0061263	2019	Infiltrator	Infiltration trench	Complete columns H through K	1910989	44.9604272	-93.0461671	Lat-long	Permittee (you)	NA	2018	Margaret St at Sixth		X				
MN0061263-77	St. Paul	MN0061263	2019	Infiltrator	Bioretention with no underdrain (rain garden)	Complete columns H through K	1620389	44.9188322	-93.1349173	Lat-long	Permittee (you)	NA	2018	Stewart Rain Garden at Otto		X				
MN0061263-78	St. Paul	MN0061263	2019	Swale_or_strip	Dry swale	Complete columns H through K	884052	44.9739	-93.0411	Lat-long	Permittee (you)	NA	2009	Vegetated Swale on Magnolia (Mechanic to Barclay)		X				
MN0061263-79	St. Paul	MN0061263	2019	Swale_or_strip	Dry swale	Complete columns H through K	884050	44.9703	-93.0525	Lat-long	Permittee (you)	NA	2009	Vegetated Swale on Case (Frank to Duluth)		X				
MN0061263-80	St. Paul	MN0061263	2019	Manufactured_device	Gross pollutant trap	No ID information needed	1613674	44.9879	-93.0295	Lat-long	Permittee (you)	NA	2012	Dale Street Stormwater Improvement- Vortech Structure		X				
MN0061263-81	St. Paul	MN0061263	2020	Manufactured_device	Hydrodynamic separator	No ID information needed	2009457	44.920	-93.109	Lat-long	Permittee (you)	NA	2020	Cherokee Heights Stormwater Management and Ravine Stabilization (2 CDS units)		x				
MN0061263-82	St. Paul	MN0061263	2020	Infiltrator	Infiltration trench	Complete columns H through K	2009461	44.953	-93.177	Lat-long	Permittee (you)	NA	2020	Fairview Street Project		x				
MN0061263-83	St. Paul	MN0061263	2020	Infiltrator	Infiltration trench	Complete columns H through K	2009460	44.989	-93.114	Lat-long	Permittee (you)	NA	2020	Wheelock Parkway Sreet Project		x				
MN0061263-84	St. Paul	MN0061263	2020	Infiltrator	Tree trench/tree box/planter	Complete columns H through K	Multiple	44.964	-93.206	Lat-long	Permittee (you)	NA	2020	Weyerhauser Development (multiple tree trenches)		x				
MN0061263-85	St. Paul	MN0061263	2020	Filter	Bioretention with underdrain (rain garden)	Complete columns H through K	2019677	44.941	-93.154	Lat-long	Permittee (you)	NA	2020	Summit Bridge		x				
MN0061263-86	St. Paul	MN0061263	2021	Infiltrator	Infiltration trench	Complete columns H through K	2106010	44.924	-93.150	Lat-long	Permittee (you)	NA	2021	Griggs-Scheffer Phase I (Watson)		X				
MN0061263-87	St. Paul	MN0061263	2021	Infiltrator	Infiltreation trench	Complete columns H through K	2106006	44.922	-93.150	Lat-long	Permittee (you)	NA	2021	Griggs-Scheffer Phase I (Bayard)		X				
MN0061263-88	St. Paul	MN0061263	2021	Infiltrator	Infiltration trench	Complete columns H through K	2106023	44.959	-93.082	Lat-long	Permittee (you)	NA	2021	Tedesco-Payne		X				
MN0061263-89	St. Paul	MN0061263	2021	Filter	Media filter	Complete columns H through K	Multiple	44.953	-93.165	Lat-long	Permittee (you)	NA	2020	Snelling-Midway (multiple tree trenches)		X				
MN0061263-90	St. Paul	MN0061263	2021	Stormwater_reuse	Underground vault	No ID information needed	NA	44.954	-93.165	Lat-long	Permittee (you)	NA	2020	Snelling-Midway Reuse System		X				

Entry ID	Permittee	MS4 ID	Reporting year	BMP/Activity	BMP Description	Location and ID Information Needed?	BMP ID	y-coord (lat, e.g. 44.9866)	x-coord (long, e.g. -93.2581)	Coordinate system (e.g. lat-long, UTM)	Who owns this BMP/activity?	If applicable, name other owner(s)	Year when BMP was implemented	Note(s)	Como Lake - Phosphorus	South Metro Mississippi River TMDL (Metro) - TSS	Battle Creek; Como Lake; Kasota Ponds North; Kasota Ponds West; Mallard Marsh -	Battle Creek -TSS	Fish Creek - E. coli	Wakefield Lake - Phosphorus
MN0061263-91	St. Paul	MN0061263	2021	Supplemental_public_education_outreach	Publications	No ID information needed	NA	NA	NA	NA	Permittee (you)	NA	2018	Adopt-a-Drain Education Program	X	X	X	X	X	X
MN0061263-92	St. Paul	MN0061263	2021	Supplemental_public_education_outreach	Publications	No ID information needed	NA	NA	NA	NA	Permittee (you)	NA	2018	Water Quality Education Program	X	X	X	X	X	X
MN0061263-93	St. Paul	MN0061263	2021	Supplemental_public_education_outreach	Publications	No ID information needed	NA	NA	NA	NA	Permittee (you)	NA	2018	Watershed Partners and Clean Water MN	X	X	X	X	X	X
MN0061263-94	St. Paul	MN0061263	2021	Supplemental_employee_education_training	Staff training	No ID information needed	NA	NA	NA	NA	Permittee (you)	NA	2018	Annual Utility Coordination Meeting Training	X	X	X	X	X	X
MN0061263-95	St. Paul	MN0061263	2021	Manufactured_device	Sump	No ID information needed	NA	NA	NA	NA	Permittee (you)	NA	2018	Catch Basin/ Manhole Operation and Maintenance	X	X		X		X
MN0061263-96	St. Paul	MN0061263	2021	Manufactured_device	Water quality inlet	No ID information needed	NA	NA	NA	NA	Permittee (you)	NA	2018	Outfall Operation and Maintenance	X	X		X		X
MN0061263-97	St. Paul	MN0061263	2021	Manufactured_device	Sump	No ID information needed	NA	NA	NA	NA	Permittee (you)	NA	2018	Stormwater Pond/Structural Pollution Control Device Operation and Maintenance	X	X		X		X
MN0061263-98	St. Paul	MN0061263	2021	Manufactured_device	Sump	No ID information needed	NA	NA	NA	NA	Permittee (you)	NA	2018	Handling and Disposal of Removed Materials	X	X		X		X
MN0061263-99	St. Paul	MN0061263	2021	Enhanced_road_salt_management	Salt storage	No ID information needed	NA	NA	NA	NA	Permittee (you)	NA	2018	Roadway Deicing Materials Management			X			
MN0061263-100	St. Paul	MN0061263	2021	Enhanced_road_salt_management	Winter maintenance education	No ID information needed	NA	NA	NA	NA	Permittee (you)	NA	2018	Snow Operations Plan			X			
MN0061263-101	St. Paul	MN0061263	2021	Enhanced_road_salt_management	Winter maintenance education	No ID information needed	NA	NA	NA	NA	Permittee (you)	NA	2018	Snow and Ice Control Annual Training			X			
MN0061263-102	St. Paul	MN0061263	2021	Supplemental_street_sweeping	Street sweeping	No ID information needed	NA	NA	NA	NA	Permittee (you)	NA	2018	Street Sweeping Program	X	X	X	X	X	X
MN0061263-103	St. Paul	MN0061263	2021	Supplemental_public_education_outreach	Publications	No ID information needed	NA	NA	NA	NA	Permittee (you)	NA	2018	Public Education Program	X	X	X	X	X	X
MN0061263-104	St. Paul	MN0061263	2021	BMP_improvement_enhancement_retrofitting	BMP improvement	No ID information needed	NA	NA	NA	NA	Permittee (you)	NA	2018	Stormwater Runoff Volume Reduction	X	X		X		X
MN0061263-105	St. Paul	MN0061263	2021	BMP_improvement_enhancement_retrofitting	BMP maintenance	No ID information needed	NA	NA	NA	NA	Permittee (you)	NA	2018	Pond Cleanings Completed in 2002, 2003, 2017		X				
MN0061263-106	St. Paul	MN0061263	2022	Infiltrator	Infiltration trench	Complete columns H through K	2204985	44.956	-93.182	Lat-long	Permittee (you)	NA	2022	Prior Ave Street Project		X				
MN0061263-107	St. Paul	MN0061263	2022	Filter	Iron enhanced filter	Complete columns H through K	805013	44.990	-93.083	Lat-long	Permittee (you)	NA	2016	Wheelock Pkwy (Edgemont) IESF		X				
MN0061263-108	St. Paul	MN0061263	2022	Supplemental_public_education_outreach	Publications	No ID information needed	NA	NA	NA	NA	Permittee (you)	NA	2012	Cooperative Monioring Program	X	X	X	X	X	X
MN0061263-109	St. Paul	MN0061263	2022	Filter	Permeable pavement with underdrain	Complete columns H through K	807334	44.962	-93.166	Lat-long	Permittee (you)	NA	2012	Hamline Midway Permeable Pavement (Permeable Alley)		X				
MN0061263-110	St. Paul	MN0061263	2022	Filter	Bioretention with underdrain (rain garden)	Complete columns H through K	814208	44.967	-93.197	Lat-long	Permittee (you)	NA	2016	Raymond Ave Reconstruction (Rain Gardens)		X				
MN0061263-111	St. Paul	MN0061263	2023	Infiltrator	Infiltration trench	Complete columns H through K	808158	44.985	-93.071	Lat-long	Permittee (you)	NA	2023	Wheelock Pkwy Phase V (infiltration trench)		X				
MN0061263-112	St. Paul	MN0061263	2023	Infiltrator	Infiltration trench	Complete columns H through K	811829	44.921	-93.154	Lat-long	Permittee (you)	NA	2023	Griggs-Scheffer T1 (infiltration trench)		X				
MN0061263-113	St. Paul	MN0061263	2023	Infiltrator	Infiltration trench	Complete columns H through K	804431	44.915	-93.153	Lat-long	Permittee (you)	NA	2023	Griggs-Scheffer T2 (infiltration trench)		X				
MN0061263-114	St. Paul	MN0061263	2023	Infiltrator	Infiltration trench	Complete columns H through K	813433	44.914	-93.154	Lat-long	Permittee (you)	NA	2023	Griggs-Scheffer T3 (infiltration trench)		X				
MN0061263-115	St. Paul	MN0061263	2023	Infiltrator	Infiltration trench	Complete columns H through K	803744	44.918	-93.152	Lat-long	Permittee (you)	NA	2023	Griggs-Scheffer T4 (infiltration trench)		X				
MN0061263-116	St. Paul	MN0061263	2023	Infiltrator	Infiltration trench	Complete columns H through K	811054	44.919	-93.152	Lat-long	Permittee (you)	NA	2023	Griggs-Scheffer T5 (infiltration trench)		X				
MN0061263-117	St. Paul	MN0061263	2023	Filter	Media filter	Complete columns H through K	813157	44.946	-93.092	Lat-long	Permittee (you)	NA	2023	Minnesota St I BMP1 (modular wetland)		X				
MN0061263-118	St. Paul	MN0061263	2023	Filter	Media filter	Complete columns H through K	812545	44.947	-93.092	Lat-long	Permittee (you)	NA	2023	Minnesota St I BMP2 (modular wetland)		X				
MN0061263-119	St. Paul	MN0061263	2023	Filter	Media filter	Complete columns H through K	476350	44.907	-93.179	Lat-long	Permittee (you)	NA	2023	Edcumbe Rd (filtration trench)		X				
MN0061263-120	St. Paul	MN0061263	2023	Filter	Media filter	Complete columns H through K	812393	44.945	-93.09	Lat-long	Permittee (you)	NA	2023	Kellogg Blvd Phase I (4 filterra boxes)		X				
MN0061263-121	St. Paul	MN0061263	2024	Filter	Media filter	Complete columns H through K	813903	44.948	-93.093	Lat-long	Permittee (you)	NA	2022	Highland Bridge Site (5 biofiltration basins, 16 hydrodynamic separators, 5 stormtraps with cartridge filters, 3 stormwater ponds/channel) Totals for BMP removals are included however, the totals will be an overestimate until full development of the site is reached at a time TBD.		X				
MN0061263-122	St. Paul	MN0061263	2024	Filter	Media filter	Complete columns H through K	813903	44.948	-93.093	Lat-long	Permittee (you)	NA	2024	Minnesota St Phase II (2 modular wetlands)		X				
MN0061263-123	St. Paul	MN0061263	2025	Filter	Media filter	Complete columns H through K	819060	44.933	-93.135	Lat-long	Permittee (you)	NA	2024	Pleasant Ave (2 filtration systems) - implementation year doesn't provide a drop down for 2025 so used 2024		X				
MN0061263-124	St. Paul	MN0061263	2025	Infiltrator	Infiltration trench	Complete columns H through K	801562	44.959	-93.099	Lat-long	Permittee (you)	NA	2024	Jackson St (2 infiltration trenches) - implementation year doesn't provide a drop down for 2025 so used 2024		X				
MN0061263-125	St. Paul	MN0061263	2025	Filter	Media filter	Complete columns H through K	812548	44.948	-93.092	Lat-long	Permittee (you)	NA	2024	Robert St (4 modular wetlands) - implementation year doesn't provide a drop down for 2025 so used 2024		X				
MN0061263-126	St. Paul	MN0061263	2025	Infiltrator	Infiltration trench	Complete columns H through K	800773	44.78	-93.134	Lat-long	Permittee (you)	NA	2024	Wheelock-Grotto Phase I (Orange BMP) - implementation year doesn't provide a drop down for 2025 so used 2024	X	X				
MN0061263-127	St. Paul	MN0061263	2025	Infiltrator	Infiltration trench	Complete columns H through K	810157	44.981	-93.138	Lat-long	Permittee (you)	NA	2024	Wheelock-Grotto Phase I (Ivy BMP) - implementation year doesn't provide a drop down for 2025 so used 2024	X	X				
MN0061263-128																				
MN0061263-129																				
MN0061263-130																				
MN0061263-131																				
MN0061263-132																				
MN0061263-133																				
MN0061263-134																				
MN0061263-135																				
MN0061263-136																				

Cumulative Reductions Spreadsheet

Category 1: Summary of quantitative reductions (Annual Pollutant Load Reduction).											Optional	
Permittee	**MS4 ID**	**TMDL project**	Units	**2019**	**2020**	**2021**	**2022**	**2023**	**2024**	**2025**	Calculation method	Notes
St. Paul	**MN0061263**	Como Lake - Phosphorus	pounds reduced	30	30	30	30	30	30	35		
St. Paul	**MN0061263**	South Metro Mississippi River TMDL (Metro) - TSS	pounds reduced	247,689	247,705	262,072	262,937	333,971.6	333972.5	337628		
St. Paul	**MN0061263**	Battle Creek; Como Lake; Kasota Ponds North; Kasota Ponds West; Mallard Marsh - Chloride	pounds reduced	0	0	0	0	0	0	0		
St. Paul	**MN0061263**	Battle Creek -TSS	pounds reduced	4,497	4,497	4,497	4,497	4497	4497	4497		
St. Paul	**MN0061263**	Fish Creek - E. coli	pounds reduced	0	0	0	0	0	0	0		
St. Paul	**MN0061263**	Wakefield Lake - Phosphorus	pounds reduced	0	0	0	0	0	0	0		

Category 2: Summary of qualitative reductions (# of BMPs).										Optional
Permittee	**MS4 ID**	**TMDL project**	**2019**	**2020**	**2021**	**2022**	**2023**	**2024**	**2025**	Notes
St. Paul	**MN0061263**	Como Lake - Phosphorus	11	11	11	11	11	11	11	
St. Paul	**MN0061263**	South Metro Mississippi River TMDL (Metro) - TSS	12	11	11	11	11	11	11	
St. Paul	**MN0061263**	Battle Creek; Como Lake; Kasota Ponds North; Kasota Ponds West;	9	9	9	9	9	9	9	
St. Paul	**MN0061263**	Battle Creek -TSS	11	11	11	11	11	11	11	
St. Paul	**MN0061263**	Fish Creek - E. coli	6	6	6	6	6	6	6	
St. Paul	**MN0061263**	Wakefield Lake - Phosphorus	11	11	11	11	11	11	11	

Non-implemented activities (BMP Inventory)

Permittee	MS4 ID	BMP description	Status	Reporting year	Notes (Optional)	Place an "X" in a cell if the activity applies to the TMDL shown in the column: Como Lake - Phosphorus	South Metro Mississippi River TMDL (Metro) - TSS	Battle Creek; Como Lake; Kasota Ponds North; Kasota Ponds West; Mallard Marsh - Chloride	Battle Creek - TSS	Fish Creek - E. coli	Wakefield Lake - Phosphorus
St. Paul	**MN0061263**	**Minnesota St Phase II**	Under construction	2026	Filtration		X				
St. Paul	**MN0061263**	**Kellogg Blvd Phase II**	Under construction	2026	Filtration		X				
St. Paul	**MN0061263**	**Kellogg/Third St Bridge**	Under construction	2027	Filtration		X				
St. Paul	**MN0061263**	**Earl St**	Under construction	2026	Infiltration Trench		X				
St. Paul	**MN0061263**	**Wheelock/Grotto Phase II**	Under construction	2026	Infiltration Trench		X				
St. Paul	**MN0061263**	**University Ave**	Under construction	2026	Infililtration Trench		X				
St. Paul	**MN0061263**	**Pelham Ave**	Under construction	2026	Infiltration Trench		X				
St. Paul	**MN0061263**	**Shepard Ponds**	Planned	TBD - Based on funding	CDS Structures/Infiltration Pond		X				
St. Paul	**MN0061263**	**Ford Site**	Under construction	TBD - Based on development	CDS Structures/Filtration Basins/Filtration Cartridges		X				
St. Paul	**MN0061263**	**Gold Line**	Under construction	development	Infiltration/Filtration		X		X		
St. Paul	**MN0061263**	**EB Kellogg Bridge**	Planned	2026	MTD		X				
St. Paul	**MN0061263**	**Hillcrest Site**	Under construction	TBD - Based on development	CDS Structures/Filtration Basins/Filtration Cartridges		X				
St. Paul	**MN0061263**	**Como Regional Park Stormwater BMP**	Planned	TBD - Based on development	CDS Structures/Infiltration Trenches	X	X				
St. Paul	**MN0061263**	**West Side Flats Greenway**	Planned	TBD - Based on development	CDS Structures/Fitration Basins		X				
St. Paul	**MN0061263**	**Robert St**	Under construction	2026	MTDs		X				
St. Paul	**MN0061263**	**Rice St**	Under construction	2026	Infiltration Trench		X				
St. Paul	**MN0061263**	**Shepard Rd**	Under construction	2026	Infiltration Trench		X				
St. Paul	**MN0061263**										
St. Paul	**MN0061263**										

Compliance Schedule PART III.D.1.f.-g.

Is your MS4 currently meeting its WLA for any approved TMDLs? **Go to:** **Go to:** **Go to:**

☑ **NO** (Complete Table 1, Strategies for continued BMP implementation beyond the term of this permit, and Table 2 below) Table 1 | Strategies… | Table 2

☐ **YES**

Table 1

Fill in the following table with your Interim Milestones, BMP IDs, and Implementation Dates. Replace "TMDL Project Name & Pollutant" Columns with each TMDL Project Name and the corresponding pollutant. Then put an "X" in the boxes for the TMDL that corresponds with each BMP. PART II.D.6.f.(1)-(2)

NOTE:
It is recommended to assign each Interim Milestone (BMP) a BMP ID. You will be required to report on the status of each Interim Milestone and include a BMP ID for all structural BMPs as part of the MS4 Annual Report (see Part III.E.), so including those ID numbers at the time of application may be useful in tracking implementation efforts. If a pond that will be included in the pond inventory (Part III.C.2.) is to be applied toward a WLA, use the same ID for both the pond inventory and TMDL tracking. Non-structural BMPs are not required to have an ID, but it may be useful to assign it an ID for internal MS4 recordkeeping.

MPCA recommends the Implementation Dates align with the submittal of MS4 Annual Reports. Dates selected may not reflect the actual date a BMP is implemented, but shall indicate a BMP will be implemented on that date or before for that reporting year.

For the Status Column- If it is already in the BMP-Activities completed tab, note the Entry-ID. If the BMP has not been added to the BMPs-Activities Completed tab, but it has been completed, add it to the BMP-Activities completed tab and note the new Entry-ID on this tab. If it has been entered on the Category 3 BMPs tab, enter the row number. See the first few Interim Milestones as examples. Highlighted yellow cells need entries.

Interim Milestone (Best Management Practice)	BMP ID	Implementation Date	Status	Twin Cities Metro Area Chloride TMDL-Battle Creek Chloride	Twin Cities Metro Area Chloride TMDL-Como Lake Chloride	Twin Cities Metro Area Chloride TMDL- Kasota Ponds North Chloride	Twin Cities Metro Area Chloride TMDL- Kasota Ponds West Chloride	Twin Cities Metro Area Chloride TMDL- Mallard Marsh Chloride	South Metro Mississippi River TMDL- Mississippi River TSS	Como Lake: Excess Nutrients TMDL-Phosphorus	RWMWD TMDL- Battle Creek TSS	RWMWD TMDL- Fish Creek E. Coli	RWMWD TMDL- Wakefield Lake Phosphorus
Adopt-a-Drain Education Program	BMP 1.1 Public Education	Annually	MN0061263-91	x	x	x	x	x	x	x	x	x	x
FMR Water Quality Education Program	BMP 1.2 Storm Drain Stenciling	Annually	MN0061263-92	x	x	x	x	x	x	x	x	x	x
Watershed Partners & Clean Water MN	BMP 1.1 Public Education	Annually	MN0061263-93	x	x	x	x	x	x	x	x	x	x
Annual Utility Coordination Meeting Training	BMP 4.2 Municipal Control	Annually	MN0061263-94						x		x		
Catch Basin/ Manhole Operation and Maintenance	BMP 6.2 Catch Basin/ Manhole Operation and Maintenance	Annually	MN0061263-95						x	x	x	x	x
Outfall Operation and Maintenance	BMP 6.3 Outfall Operation and Maintenance	Annually	MN0061263-96						x	x	x		x
Stormwater Pond/Structural Pollution Control Device Operation and Maintenance	BMP 6.4 Stormwater Pond/Structural Pollution Control Device Operation and Maintenance	Annually	MN0061263-97						x	x	x	x	x
Handling and Disposal of Removed Materials	BMP 6.5 Handling and Disposal of Removed Materials	Annually	MN0061263-98	x	x	x	x	x	x	x	x		x
Roadway Deicing Materials Management	BMP 6.7 Roadway Deicing Materials Management	Annually	MN0061263-99	x	x	x	x	x	x		x		
Snow Operations Plan	BMP 6.7 Roadway Deicing Materials Management	Annually	MN0061263-100	x	x	x	x	x	x		x		
Snow and Ice Control Annual Training	BMP 6.7 Roadway Deicing Materials Management	Annually	MN0061263-101	x	x	x	x	x	x		x		
Street Sweeping Program	BMP 6.6 Street Sweeping Program	Annually	MN0061263-102	x	x	x	x	x	x	x	x	x	x
Cooperative Monitoring Program	BMP 7.1 Cooperative Monitoring Program	Annually	MN0061263-108	x	x	x	x	x	x	x	x	x	x
Storm Water Pond Cleaning 2002	BMP 6.4 Stormwater Pond/Structural Pollution Control Device Operation and Maintenance, Project 02-S-0001	6/30/2019	MN0061263-105						x				
Storm Water Pond Cleaning 2003	BMP 6.4 Stormwater Pond/Structural Pollution Control Device Operation and Maintenance, Project 03-S-1927	6/30/2019	MN0061263-105						x				
Chatsworth-Goodrich Reconstruction (Infiltration Trenches)	BMP 5.3 Municipal Mitigation Program, Project 06-P-8136	6/30/2019	MN0061263-2						x				
Londin Lane-Burlington Road Reconstruction (Infiltration Trenches)	BMP 5.3 Municipal Mitigation Program, Project 06-P-1280	6/30/2019	MN0061263-7						x				
White Bear-Burns Reconstruction (Infiltration Trenches)	BMP 5.3 Municipal Mitigation Program, Project 07-P-8141	6/30/2019	MN0061263-18						x		x		
Griggs-Jefferson Reconstruction (Infiltration Trenches)	BMP 5.3 Municipal Mitigation Program, Project 07-P-8140	6/30/2019	MN0061263-14						x				
Hubbard-Grigggs Reconstruction (Infiltration Trenches)	BMP 5.3 Municipal Mitigation Program, Project 07-P-8139	6/30/2019	MN0061263-8						x				
Payne Avenue Reconstruction (Rain Garden)	BMP 5.3 Municipal Mitigation Program, Project 08-P-1321	6/30/2019	MN0061263-35						x				
Earl-McLean Reconstruction (Infiltration Trenches)	BMP 5.3 Municipal Mitigation Program, Project 08-P-8144	6/30/2019	MN0061263-24						x				
Ivy-Kennard Reconstruction (Infiltration Trenches)	BMP 5.3 Municipal Mitigation Program, Project 08-P-8145	6/30/2019	MN0061263-26						x				
Seventh-Bay Reconstruction (Infiltration Trenches)	BMP 5.3 Municipal Mitigation Program, Project 08-P-8137	6/30/2019	MN0061263-29						x				
Magnolia-Earl Reconstruction (Rain Garden)	BMP 5.3 Municipal Mitigation Program, Project 09-P-8146	6/30/2019	MN0061263-78						x				
Cretin-Goodrich Reconstruction (Infiltration Trench)	BMP 5.3 Municipal Mitigation Program, Project 09-P-8147	6/30/2019	MN0061263-33						x				
Knapp-Raymond Reconstruction (Infiltration Trenches)	BMP 5.3 Municipal Mitigation Program, Project 09-P-8142	6/30/2019	MN0061263-30						x				
Payne Avenue Reconstruction (Infiltration Trench)	BMP 5.3 Municipal Mitigation Program, Project 09-P-1321	6/30/2019	MN0061263-88						x				
Victoria-Arlington Reconstruction (Rain Garden)	BMP 5.3 Municipal Mitigation Program, Project 09-P-1331	6/30/2019	MN0061263-34						x	x			
Beacon-Bluff Ordinance Permit	BMP 5.3 Municipal Mitigation Program, Ordinance Permit	6/30/2019	MN0061263-43						x				
Arundel Stormwater Improvements (Infiltration Trench)	BMP 5.3 Municipal Mitigation Program, Project 10-S-1983	6/30/2019	MN0061263-37						x				
Saint Albans Stormwater Improvements	BMP 5.3 Municipal Mitigation Program, Project 10-S-1983	6/30/2019	MN0061263-36						x				
Front-Victoria Reconstruction (Infiltration Structures)	BMP 5.3 Municipal Mitigation Program, Project 10-P-8149	6/30/2019	MN0061263-38						x	x			
Front-Victoria Reconstruction (Permeable Pavers)	BMP 5.3 Municipal Mitigation Program, Project 10-P-8149	6/30/2019	MN0061263--38						x	x			
Front-Victoria Reconstruction (Infiltration Trenches)	BMP 5.3 Municipal Mitigation Program, Project 10-P-8149	6/30/2019	MN0061263-39						x	x			
Blair-Griggs Reconstruction (InfiltrationTrenches)	BMP 5.3 Municipal Mitigation Program, Project 11-P-8156	6/30/2019	MN0061263-45						x				
Dale Street (Vortech Structure)	BMP 6.8 City Parking Lot & Equipment Yard Management, Project 12-S-2003	6/30/2019	MN0061263-80						x				
Hillcrest Knoll Stormwater Improvements (Infiltration Trench)	BMP 5.3 Municipal Mitigation Program, Project 12-S-2003	6/30/2019	MN0061263-52						x				
Hamline Midway Permeable Pavement (PermeableAlley)	BMP 5.3 Municipal Mitigation Program, Project 12-P-1372	6/30/2019	MN0061263-109						x				
Hewitt-Tatum Reconstruction (Infiltration Structures)	BMP 5.3 Municipal Mitigation Program, Project 12-P-8153	6/30/2019	MN0061263-48						x				
Madison-Benson Reconstruction (Tree Trenches)	BMP 5.3 Municipal Mitigation Program, Project 12-P-8162	6/30/2019	MN0061263-50						x				
Raymond Avenue Phase I Reconstruction (Rain Gardens)	BMP 5.3 Municipal Mitigation Program, Project 13-T-1319	6/30/2019	MN0061263-110						x				
Hampden Park Stormwater Improvements	BMP 5.3 Municipal Mitigation Program, Project 13-S-2006	6/30/2019	MN0061263-53						x				
Trout Brook Nature Sanctuary (IESF Ponds)	BMP 5.3 Municipal Mitigation Program, PW, Parks, CRWD	6/30/2019	MN0061263-54						x				
Montreal Avenue Reconstruction (Infiltration Trench)	BMP 5.3 Municipal Mitigation Program, Project 14-P-1373	6/30/2019	MN0061263-58						x				
Western Avenue Reconstruction (Infiltration Trench)	BMP 5.3 Municipal Mitigation Program, Project 14-P-1390	6/30/2019	MN0061263-57						x				
Como-Chatsworth Phase I Reconstruction (Filtration Trench)	BMP 5.3 Municipal Mitigation Program, Project 15-P-8165	6/30/2019	MN0061263-59						x	x			
Como-Chatsworth Phase II Reconstruction (Infiltration Trench)	BMP 5.3 Municipal Mitigation Program, Project 16-P-1419	6/30/2019	MN0061263-61						x	x			
Jackson Street Reconstruction BMPs (Permeable Bikepath & Rain Gardens)	BMP 5.3 Municipal Mitigation Program, Project 16-P-1409	6/30/2019	MN0061263-72						x				
Wheelock Parkway Reconstruction (IESF Pond Modification)	BMP 5.3 Municipal Mitigation Program, Project 16-P-1410	6/30/2019	MN0061263-107						x				
Raymond Avenue Phase III Reconstruction (SAFL Baffle)	BMP 5.3 Municipal Mitigation Program, Project 16-P-1411	6/30/2019	MN0061263-63						x				
University Avenue Reconstruction (SAFL Baffle)	BMP 5.3 Municipal Mitigation Program Project 16-P-1416	6/30/2019	MN0061263-62						x				
Wheelock Parkway Reconstruction (CDS)	BMP 5.3 Municipal Mitigation Program, Project 17-P-1432	6/30/2019	MN0061263-67						x	x			
Wheelock Parkway Reconstruction (Infiltration Trench)	BMP 5.3 Municipal Mitigation Program, Project 17-P-1432	6/30/2019	MN0061263-68						x	x			
Battle Creek Road Reconstruction (Infiltration Trench)	BMP 5.3 Municipal Mitigation Program, Project 17-P-1424	6/30/2019	MN0061263-69						x		x		
Como Avenue Reconstruction (SAFL Baffle)	BMP 5.3 Municipal Mitigation Program, Project 17-P-8171	6/30/2019	MN0061263-66						x				
Idaho-Atlantic Reconstruction (Infiltration Trenches)	BMP 5.3 Municipal Mitigation Program, Project 17-P-8164	6/30/2019	MN0061263-70						x				
Jackson Street Reconstruction (SAFL Baffle)	BMP 5.3 Municipal Mitigation Program, Project 17-P-1431	6/30/2019	MN0061263-72						x				
Storm Water Pond Cleaning 2017	BMP 6.4 Stormwater Pond/Structural Pollution Control Device Operation and Maintenance, Project 17-S-2040	6/30/2019	MN0061263-105						x				
Como Sr. High School (Infiltration Trench)	BMP 5.3 Municipal Mitigation Program, PW-SPPS-CRWD	6/30/2019	MN0061263-65						x	x			
McMurray Field Transportation Improvements (SAFL Baffle)	BMP 5.3 Municipal Mitigation Program, Parks Sponsored	6/30/2019	MN0061263-64						x	x			
Victoria Park Ordinance Permit (Sumped Manholes)	BMP 5.3 Municipal Mitigation Program, Ordinance Permit	6/30/2019	MN0061263-77						x				
Stewart Avenue Construction (Rain Garden)	BMP 5.3 Municipal Mitigation Program, Parks Sponsored	6/30/2019	MN0061263-77						x				
Como Avenue Reconstruction (Infiltration Trench)	BMP 5.3 Municipal Mitigation Program, Project 18-P-8172	6/30/2019	MN0061263-74						x				
Wheelock Parkway Reconstruction (Infiltration Trench)	BMP 5.3 Municipal Mitigation Program, Project 18-P-8174	6/30/2019	MN0061263-83						x				
Woodlawn-Jefferson Reconstruction (SAFL Baffle)	BMP 5.3 Municipal Mitigation Program, Project 18-P-8166	6/30/2019	MN0061263-73						x				
Cherokee Heights (2 CDS Units)	BMP 5.3 Municipal Mitigation Program, Project 18-S-2047	6/30/2019	MN0061263-81						x				
Cherokee Heights Ravine Stabilization	BMP 5.3 Municipal Mitigation Program, Project 18-S-2048	6/30/2020	MN0061263-81						x				
Water Quality Improvements associated with Future Street Reconstruction	BMP 5.3 Municipal Mitigation Program, Future Projects PW	Annually	MN0061263-104						x	x	x		
Public Education Plan	BMP 1.1 Public Education, Revised with new SWMP	Annually	MN0061263-92	x	x	x	x	x	x	x	x	x	x
Stormwater Runoff Volume Reduction Plan	BMP 5.3 Municipal Mitigation Program, Future Projects PW & Parks	6/30/2021	MN0061263-104						x	x	x	x	x
Flandrau-Case Stormwater Improvements (Enhanced Filtration)	BMP 5.3 Municipal Mitigation Program, Future Project PW	6/30/2020	Cat 3-Row 9						x				
Como Regional Park Stormwater BMPs	BMP 5.3 Municipal Mitigation Program, Future Project PW-Parks-CRWD	6/30/2021	Cat 3-Row 17						x	x			
McMurray Field Stormwater Improvements (Infiltration Trench)	BMP 5.3 Municipal Mitigation Program, Future Project PW-Parks-CRWD	6/30/2022	MN0061263-64						x	x			
Snelling-Midway Stormwater Improvements (Tree Trenches, Reuse)	BMP 5.1 Development & Redevelopment Mitigation Program, Current Ordinance Permit	6/30/2020	MN0061263-89,90						x				
West Side Flats Greenway	BMP 5.1 Development & Redevelopment Mitigation Program, Future Ordinance Permit	6/30/2021	Cat 3-Row18						x				
Ford Redevelopment	BMP 5.1 Development & Redevelopment Mitigation Program, Future Ordinance Permit	6/30/2021	Cat 3-Row 13						x				

Strategies for continued BMP implementation beyond the term of this permit. PART II.D.6.f.(3)

Continue to comply with CSW, MS4, and Watershed District Rules for municipal and private development projects.
Continue to update and implement City's Volume Reduction Inventory.
Continue to implement other MS4 requirements including: Public Education, Public Involvement, IDDE, Construction Stormwater, Post-construction Stormwater, Good Housekeeping for Municipal Operations, and Monitoring Activities.

Table 2
Target dates the applicable WLA(s) will be achieved. PART II.D.6.f.(4)

TMDL Project	Target Date to Achieve WLA
Twin Cities Metro Area Chloride TMDL-Battle Creek Chloride	WLA is categorical, and requires the collective implementation of BMPs in other MS4s. 2041 estimate
Twin Cities Metro Area Chloride TMDL-Como Lake Chloride	WLA is categorical, and requires the collective implementation of BMPs in other MS4s. 2041 estimate
Twin Cities Metro Area Chloride TMDL- Kasota Ponds North Chloride	WLA is categorical, and requires the collective implementation of BMPs in other MS4s. 2041 estimate
Twin Cities Metro Area Chloride TMDL- Kasota Ponds West Chloride	WLA is categorical, and requires the collective implementation of BMPs in other MS4s. 2041 estimate
Twin Cities Metro Area Chloride TMDL- Mallard Marsh Chloride	WLA is categorical, and requires the collective implementation of BMPs in other MS4s. 2041 estimate
South Metro Mississippi River TMDL- Mississippi River TSS	WLA is categorical, and requires the collective implementation of BMPs in other MS4s. 2030 per MPCA Sediment Reduction Strategy
Como Lake: Excess Nutrients TMDL- Phosphorus	WLA is categorical, and requires the collective implementation of BMPs in other MS4s. 2043 estimate per Roseville and Falcon Heights target dates
RWMWD TMDL- Battle Creek TSS	WLA is categorical, and requires the collective implementation of BMPs in other MS4s. 2026 estimate per RWMWD WRAPS
RWMWD TMDL- Fish Creek E. Coli	WLA is categorical, and requires the collective implementation of BMPs in other MS4s. 2026 estimate per RWMWD WRAPS
RWMWD TMDL- Wakefield Lake Phosphorus	WLA is categorical, and requires the collective implementation of BMPs in other MS4s. 2020 estimate per RWMWD WRAPS

Provide an up-dated narrative describing any adaptive management strategies used (including projected dates) for making progress toward achieving each applicable WLA

City Street Construction: The City of Saint Paul proposes to install multiple BMPs throughout the year in 2026. These BMPs will be combined with various pretreatment structures to reduce the loading of TSS into the Mississippi River.

Ford Site: The City of Saint Paul has accepted the majority of the stormwater management system at the Ford Redevelopment Site. Calculations on the effectiveness of TSS and Phosphorus removal for full buildout. BMPs for entire site are installed but land development yet to be fully completed.

Hillcrest Site: The City of Saint Paul will also be working with RWMWD and SPPA on the design/installation of a major stormwater management system at the Hillcrest Golf Course Site. Calculations on the effectiveness of TSS and Phosphorus removal throughout the site will be determined qualitatively and quantitatively and reported on in the future.