

**ILLINOIS ENVIRONMENTAL PROTECTION AGENCY
ANNUAL FACILITY INSPECTION REPORT
NPDES PERMIT FOR STORM WATER DISCHARGES
FROM MUNICIPAL SEPARATE STORM SEWER SYSTEMS (MS4)**

Website address: <http://www.epa.state.il.us/water/permits/storm-water/forms/annual-facility-inspection-ms4.pdf>

Complete each section of this report.

REPORT PERIOD:	FROM: MARCH 1, 2023	TO: FEB 29 2024	ILR400391 year #21
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MS4 OPERATOR INFORMATION: (As it appears on the current permit)

NAME: Village of Morton Grove	TELEPHONE NUMBER: 847-470-5235	
MAILING ADDRESS: 7840 Nagle Avenue	E-MAIL ADDRESS: KLOCHNER@MortonGroveIL.org	
VILLAGE: Morton Grove	STATE: Illinois	ZIP: 60053
CONTACT PERSON: Kevin Lochner, Director of Operations/Assistant to the Director klochner@mortongroveil.org (Person responsible for Annual Report)		

NAME(S) OF GOVERNMENTAL ENTITY (IES) IN WHICH MS4 IS LOCATED: (As it appears on the current permit)

Village of Morton Grove, Cook County, Illinois	

THE FOLLOWING ITEMS MUST BE ADDRESSED.

A. CHANGES TO BEST MANAGEMENT PRACTICES (check appropriate BMP change(s) and attach information regarding change(s) to BMP and measurable goals.)

1. Public Education and Outreach	☐	4. Construction Site Runoff Control	☐
2. Public Participation/Involvement	☐	5. Post-Construction Runoff Control	☐
3. Illicit Discharge Detection & Elimination	☐	6. Pollution Prevention/Good Housekeeping	☐

There were no changes to the Best Management Practices during this reporting period.

B.
Attach the status of compliance with permit conditions, an assessment of the appropriateness of your identified best management practices and progress towards achieving the statutory goal of reducing the discharge of pollutants to the MEP, and your identified measurable goals for each of the minimum control measures.

Status of Compliance with Permit Conditions

The annual report and status of compliance with NPDES permit number ILR400391 conditions follow:
By implementing procedures as described within this report, Morton Grove complies with NPDES MS4 requirements. Throughout the period beginning March 1, 2023 ending February 29, 2024, the Village of Morton Grove has determined our selection of BMPs remain appropriate for reducing the discharge of pollutants for reporting year #21 and will continue using the same until new permit is provided by IEPA when this will be reviewed and modified accordingly. Per Terri LeMasters of IEPA, and as of May 4 2023, the current permit is to expire in 2025 now.
Due to the Village's deicing activities, a Special Condition requires Morton Grove to participate in a watershed workgroup; Morton Grove is a member of the North Branch Chicago River Watershed Workgroup (NBWW) The North Suburban Water Works Association (NSWWA) and Cook County's Northwest Water Commission (NWC).

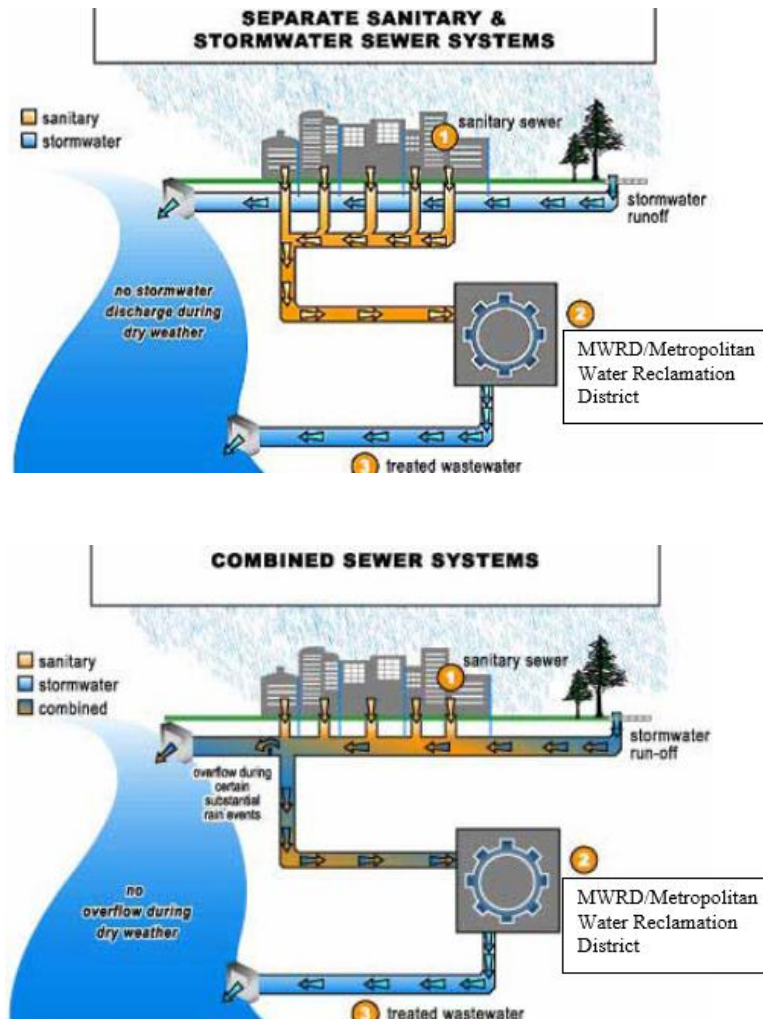
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This form has been approved by the Forms Management Center.

Assessment of Appropriateness of Identified BMP's

The Village's current Best Management Practices (BMPs) have proven effective for minimizing storm-water pollution to the maximum extent practicable. Any modifications and/or improved plans will be addressed in the next NOI to be submitted, depending on the upcoming new NPDES permit. If this new permit establishes new or revised conditions under which discharges may occur or monitoring and reporting requirements change, this will be addressed in the NOI.

Progress towards the Reduction in Pollutants Discharged

With a greater understanding of Stormwater vs Combined and Sanitary Sewer Systems, together with improved pollution prevention practices, businesses and residents continue to make large strides towards the reduction in pollutants discharged. As suggested in the diagrams below, plus sharing this and similar information, a better understanding is attained regarding stormwater runoff as a single identifiable point source of pollution whereas individuals can personally prevent pollution to our waterways.



Due to a visible increase in the level of environmental interests, advancements towards restoring and maintaining the integrity of our waterways have been recognized.

Progress towards Achievement of Measurable Goals identified for Permit Year 21

The stormwater management activities implemented by the MS4 community throughout Year 21, as well as the status of each of the BMPs and measurable goals as of Feb 29, 2024, are described below.

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BMP A. Public Education and Outreach

BMP A.1 Distribution of Informational Material and Brochures

As mentioned above, via stormwater runoff, the impact individuals have upon the potential of contributing to pollution, especially to our waterways through all stormwater sewer systems, is reiterated at every opportunity. Beginning with a broad explanation of stormwater management and our local storm sewer system, outreach materials are distributed throughout the year.

In order to preserve, protect and improve water quality, material centered on steps that can be taken to reduce pollutants in storm water runoff are focused upon. Benefits of the reduction of pollutants is provided as well; clean river=more fish.

Each month, at least one new flier/pamphlet was created and provided to 3 village owned properties for display. Current material is inventoried, reviewed, updated and replenished as needed.

Quarterly, resources are updated to reflect topics representing the upcoming season, events and/or holidays.

In 2023, educational material, games and crafts/projects concentrated on the re-use of items which may typically be thrown away or recycled. Green Stormwater Infrastructure (GSI) was introduced through a small sample of short articles, explaining some of the benefits.

EXAMPLE:

Going to Menards, Home Depot or Lowe's?

Consider these GREEN STORMWATER INFRASTRUCTURE IDEAS FIRST:

- Bioswales.
- Green Roofs.
- Land conservation.
- Pervious pavement.
- Rain gardens.
- Rainwater harvesting.
- Stormwater wetland.
- Trees and urban tree canopies.

Working Together to Reduce Polluted Runoff with Green Stormwater Infrastructure



Green stormwater infrastructure (GSI)—also known as low-impact development (LID)—refers to constructed features that use living systems to provide environmental services, such as capturing and filtering stormwater, creating wildlife habitat, providing shade, and recharging groundwater.

Green stormwater infrastructure design is a process for making decisions about the type, materials, sizing, location, configuration, implementation, and maintenance of GSI to meet functional and aesthetic goals for stormwater management.

BMP A.1 Distribution of Informational Material and Brochures CONT>

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GSI information was mailed to 8 landscape businesses found doing work in the Village of Morton Grove. This information explained how the use of GSI elements reduces the flow to the storm sewer system, thereby providing Morton Grove and its residents with assistance in flood protection and to help facilitate a diverse habitat and green spaces.

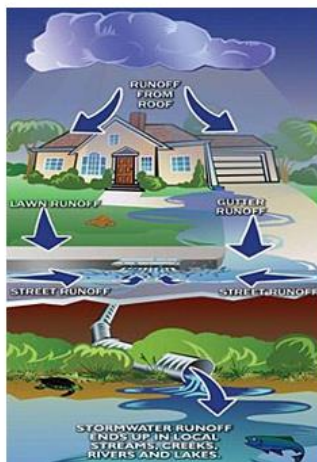
A *target audience* was reported via a complaint call to Public Works Dept. regarding repeated occurrences of smokers throwing their butts in the street. Residences on both sides of the street, two blocks long, were mailed informational fliers explaining the harmful effect this has on the environment.



Simply explaining why nothing other than rain or the melting of snow should ever enter a sewer in the street; **STORMWATER RUNOFF** is defined as

the draining away of water (or substances carried in it) from the surface of an area of land, a building or structure, etc.:

Anything directly or indirectly **entering a sewer in the street** flows straight into our river. There is no treatment of this water or removal of debris (including cigarette butts).



Even as the smoking rate has gone down, cigarette butts seem to be everywhere, scattered along green spaces, sidewalks, roadsides, waterways—virtually everywhere we go.

Littered cigarette butts leach toxic chemicals—such as arsenic (used to kill rats)—into the environment and contaminate water. The toxic exposure poison fish, as well as animals that eat the cigarette butts.

If left to decompose, still after 2 years, more than half of the cigarette butt will still remain.



The interconnectedness of the planet's water system means that even cigarette butts littered far from the ocean can end up there. A butt tossed on the street is swept down into the storm drain and from there it goes to streams, rivers and ultimately the ocean. This underlines that the overall issue of cigarette butt litter needs to be addressed, not just litter near the ocean.



For more information you may contact stormwater@MortonGroveIL.org
Thank you for your anticipated cooperation!



BMP A.1 Distribution of Informational Material and Brochures

For year 21, the Village has complied with its measurable goal of mailing and distributing informational material and fact sheets that increase awareness of Green Stormwater Infrastructure practices and the impacts of pollution in runoff and storm water discharges.

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BMP A.3 Public Service Announcement; Newsletter Articles – Water Bill Insert Messages

Water bills afford the opportunity to reach Morton Grove Residents directly, every other month. Within each monthly water bill, stormwater phrases, tips, quotes or topics are included in its comment section, upon approval.

“The Morton Grove Exchange” is our local newsletter which is mailed to all residents on a quarterly basis. Upon approval, Stormwater related articles are included in each newsletter. Articles were published in all four newsletters in 2023. Topics included personal pollution prevention practices, water conservation, recycling and climate change. See below for an example.

The image shows a sample of a water bill insert from Morton Grove. At the top, it features the Morton Grove logo with the tagline "Incredibly Close ✦ Amazingly Open" and "2023 EARTH MONTH EDITION". The main title is "The Exchange". Below this, there's a section for the "Mayor DiMaria's Water Conservation Challenge" featuring a photo of Mayor Dan DiMaria. The text describes the challenge: residents can win prizes by conserving water, energy, and other resources. It mentions that in 2022, Morton Grove ranked 4th nationally for communities with 5,000 to 29,999 residents. Residents are encouraged to take the pledge at mywaterpledge.com. A QR code is provided for the pledge. To the right, a blue box says "PLEDGE FOR A CHANCE TO WIN YOUR UTILITY BILLS PAID FOR ONE YEAR, UP TO \$3,000 PLUS OTHER GREAT PRIZES!". Below this, it says "Take the 2023 Mayor's Water Conservation Challenge April 1-30" and "MYWATERPLEDGE.COM". At the bottom, it says "Spread the word on easy ways to save water and help Morton Grove WIN" and "TAKE THE PLEDGE TODAY! WYLAND FOUNDATION".

Postcards are mailed on a quarterly basis as well, highlighting the upcoming events for resident participation. See below for an example.

The image shows a sample of a postcard listing community events. It is divided into four sections. The top left section is "COMMUNITY CLEAN-UP DAY" on Saturday, May 20, 9:00 A.M. - 12:00 P.M. at the Civic Center, 6140 Dempster St. The top right section is "ELECTRONICS RECYCLING & DOCUMENT DESTRUCTION EVENT" on Saturday, May 13, 9:00 A.M. - 12:00 P.M. at Morton Grove Public Works, 7840 Nagle Ave. The bottom left section is "Summer Adopt-a-Planter" inviting residents to participate in the Village's 2023 Summer Adopt-a-Planter Program. The bottom right section is "Neighborhood Outreach Meeting" on Thursday, May 18, 2023, at 6:00 P.M. at Thomas Edison Elementary School, 8200 Gross Point Road, 1 Entrance J. It also mentions a "Summer Photo Contest" where residents can win prizes by submitting photos of their summer in Morton Grove.

BMP A.3 Public Service Announcement;

Newsletter Articles –

Water Bill Insert Messages

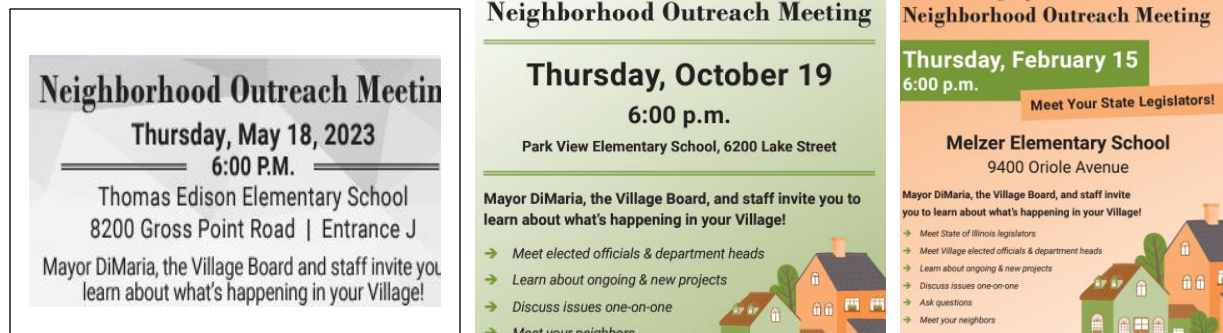
The Village has met the measurable goal in year #21 of including storm water related articles in the Village “Morton Grove Exchange” newsletter and postcards in 2023.

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BMP A.4 Community Events

The 2023 community outreach events during reporting year 21, afforded residents the opportunity for inquiries pertaining to subjects ranging from lead water service line inventory requests to pollution prevention and keeping our waterways clean. Throughout 2023, each event was held at a local elementary school. Participation by residents doubled from last year. Stormwater promotional items, for example, included re-usable produce bags, discouraging the use of single-use plastic. The Village aims to support positive behavior changes by the public, learning about and how to reduce water quality impacts associated with pollutants in stormwater.

The electronic recycling and shredding event was again coordinated in cooperation with the Solid Waste Agency of Northern Cook County (SWANCC). Reduce, Reuse, and Recycle efforts were supported through this event held at the Public Works Facility on May 13, 2023. Success of this event is back to pre-Covid years with just under 600 cars participating within a three- hour window.



Electronics Recycling & Document Destruction Event

Saturday, May 13, 2023 | 9:00 a.m. - 12:00 p.m. | Morton Grove Public Works | 7840 Nagle Avenue



On May 13, 2023, Public Works personnel welcomed residents from the ten eligible participating SWANCC communities to this drive-up event at the Public Works Facility. A total of 565 cars dropped off a variety of electronics and documents to be disposed of, successfully diverting these items from landfills.

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A new event was kicked off in 2023; “Community Clean Up Day”. Great turnout and fabulous opportunity to engage and discuss with the residents, the positive impact these actions have on stormwater runoff and keeping our waterways clear of debris.

SAVE THE DATE

Community Clean-Up Event

SATURDAY
MAY 20, 2023

9:00 a.m. - 12:00 p.m.
Civic Center - 6140 Dempster

The Village is pleased to announce its first Community Clean-Up Event. Meet at the Morton Grove Civic Center at 9:00 a.m. to check in and pick up bags, safety vests, and a map of pre-selected clean-up sites. Reconvene at the Civic Center at 11:30 a.m. to enjoy a clean-up celebration with certificates for participating kids. Food will be provided. Visit mortongroveil.org for more information.



On May 20, 2023, Public Works personnel supported the Community Clean-Up by marking selected areas to be cleaned with signage, assisting with event set-up, distributing event materials, and grilling lunch for all participants at the Morton Grove Civic Center.

BMP A.4 Community Events

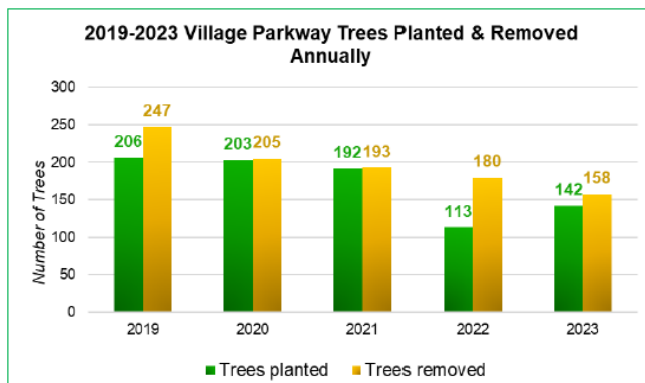
Morton Grove has exceeded its measurable goal in 2023, for Community Events. Other events are also listed under the Public Involvement/Participation Minimum Control Measure.

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BMP A.5 Develop Stormwater Educational Kit

Stormwater educational information and promotional items are prepared upon request for classroom distribution and/or presentations regarding Morton Grove Public Works Services. Materials which are obtained for each kit is individually age appropriate and acquired from various entities. Resources include materials from the USDA, MWRD, EPA, SWANCC and others. Materials included in the kit promote water conservation, stormwater pollution prevention, recycling practices, benefits of tree planting and general environmental awareness.

The Morton Grove Arborist has also made available, educational kits/material along with tree seedlings given to students in participating classes;



BMP A.5 Develop Stormwater Educational Kit

The Village met its goal, to the maximum extent practicable in 2023, for Educational Stormwater kits. Changing this particular BMP will be considered and if so, the change will be reflected in the next Notice of Intent.

BMP A.6 Other Public Education /Web Site Links

The Village web site is found at www.mortongroveil.org

Website data in the Stormwater Management section was reviewed on a monthly basis and modification suggestions were submitted. No major changes have been implemented, however. In May, slight adjustments were made but approval for the addition of links to various videos and websites is pending.

Village Hall no longer has vehicle sticker purchases available on-site. Therefore, the opportunity is no longer there, to reach out to residents thru this avenue.



BMP A.6 Other Public Education /Web Site Links

This goal has been met for the website and other public education in 2023.

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BMP B. Public Participation / Involvement

BMP B.4 Public Hearing

In order to implement community-wide programs and events intended to positively impact, preserve and sustain the environment, The Village Board, Counsel, several commissions and committees have been established over the years. They study and address specific needs within the Village of Morton Grove. While some commissions assist in the administration of specific programs, others make important policy recommendations. The activities of each board, commission, and committee have a direct impact on the quality of life in the Village. These programs / presentations help facilitate discussions on the benefits, for example, of protecting our waterways and establishing an ongoing effort to increase the village canopy.

The Environment and Natural Resources Commission (ENRC), amongst many other undertakings, assists the Village Board's efforts to promote the conservation, preservation, improvement, and protection of the environment and natural resources of the Village

The Commission has implemented, together with a number of different village departments, many opportunities for public involvement through facilitating activities such as another "Village Tree Walk". Trees and native plants provide multiple benefits to a community when they are properly planted and maintained. Residents are provided information with regard to trees and native plants and how they benefit stormwater runoff. Each year residents are offered an opportunity to obtain a tree through the 50/50 program. Nine different species of trees, native to our area, are available from which to choose. Information and selections of native plants in this region are also available. Invasive plants are often prevalent and to prevent residents from unknowingly choosing these types of plants, lists are provided with alternative suggestions.

Morton Grove Tree Walk

The Annual Morton Grove Tree Walk is led by the Village Arborist and Forestry Division personnel along a one-mile accessible route through the community. This educational event allows attendees firsthand insights into the benefits trees offer and rationale for tree selection, planting, care, and removal.



2023 Morton Grove Tree Walk - The Tree Walk route began at Village Hall. In the above photo attendees are headed southbound on Austin Avenue



CHICAGO
REGION
TREES
INITIATIVE

Our Trees.
Our Communities.
Our Future.

The Value of Trees in Morton Grove

Colette Copic, CRTI Community Specialist
Aidden Tapia, CRTI Community Coordinator

Today's Topics

- Morton Grove's urban forest
- Benefits of trees - why you should care
- Strategies for planting, maintaining, and preserving our urban forest

It is required that notification of a public hearing is published no more than 30 days and less than 10 days prior to the event. This notification takes place on the website event calendar, advertised within our newsletter and postcards, and included in the e-news, mailed out to each participant.

BMP B.4 Public Hearing

The Village has complied, for reporting year 21.

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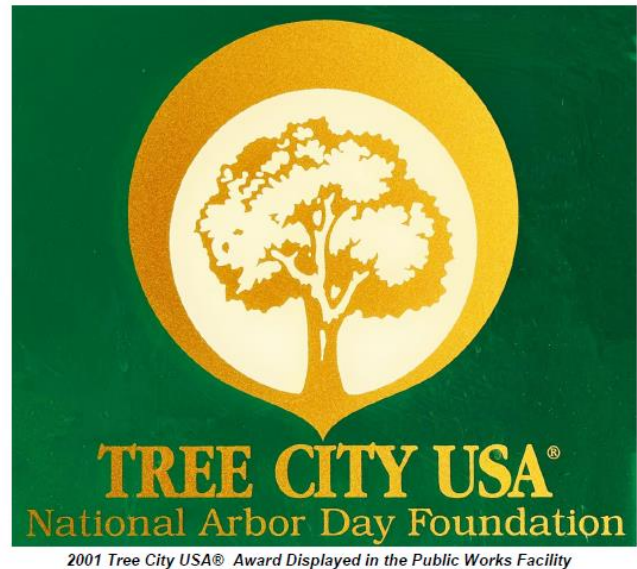
BMP B.7 Other Public Involvement

Occurring annually and building upon our Tree Walk, Morton Grove has made available to its residents, the chance to participate in our reforestation program called “Restoring Our Canopy”. Data on trees and how they benefit storm water runoff is provided along with a list of several different species of trees from which to choose.

The Village of Morton Grove is very proud to announce that it has once again, making 23 years in a row now, earned the honor to be named as a Tree City, U.S.A. by the Arbor Day Foundation for 2023.

Tree City USA® Designation

The Village has received the designation of Tree City USA® for twenty-two consecutive years and anticipates receiving the 2023 award. This designation demonstrates the Forestry Division's commitment to maintaining a flourishing tree canopy in the Village. On an annual basis, the 50/50 Tree Planting Program contributes to the planting of more parkway trees in the Village. Residents can select the type of tree species they would like to be planted in their adjacent parkway. This program increases the many benefits that trees afford the community at a 50% reduced cost to residents. In 2023, 142 trees were planted and 158 dead, dying, or dangerous trees were removed. Trees that are removed are ground using a woodchipper and can be delivered to Village residents for personal use, further contributing to the Forestry Division's sustainability efforts. In 2023, a total of 182.5 yards of woodchips were delivered to 45 residents.



The Village's *Adopt a Pot Program* provided for 142 flower kits and trees for holiday decorating in 2023. At the close of the Winter season, all trees are provided free of charge, back to the participants and other residents to plant. The remaining trees were planted by Public Works on Village land.



Summer Adopt-A-Planter Program

Adopt-A-Planter Program

The Forestry Division fosters the Adopt-A-Planter Program in partnership with the Community Relations Committee (CRC). Individuals, families, organizations, businesses, and other groups sign up to plant and maintain one (1) of the 142 existing planters located on Dempster Street, Waukegan Road, at the Civic Center, or at the Metra Station. In 2023, all 142 planters were “adopted” and contained summer blooms. During the holiday season, pine trees are planted and decorated by residents within these same planters. In 2023, 100 planters were “adopted” and contained festive, decorated pine trees.



BMP B.7 Other Public Involvement CONT.



Public Involvement options include various choices, such as events encouraging healthier options to maintain lawns and outdoor green spaces. This was made available on our website, in a newsletter and e-news sent via email.



The most popular event has become our Annual Sustainability Expo. More than 30 exhibitors, constituting several different types of organizations, display and promote sustainable products and services. Reduce, **Re-use** and Recycle was one topic promoted at the Stormwater table. The craft at this expo was the Reuse of crayons as seen in pictures below. A canvas artwork piece was created by any attendee wishing to participate.



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Eliminating single use plastics and general pollution prevention were other topics promoted at the Stormwater Management Sustainability Table.



Residents are encouraged to take the initiative to get involved with one of the many opportunities provided by, for example, the agencies listed below. There are ample avenues to pursue in order to help support conservation and restoration efforts to benefit all, regarding America's lands and waters.



BMP B.7 Other Public Involvement

The Village has met the goal for Other Public Involvement in 2023.

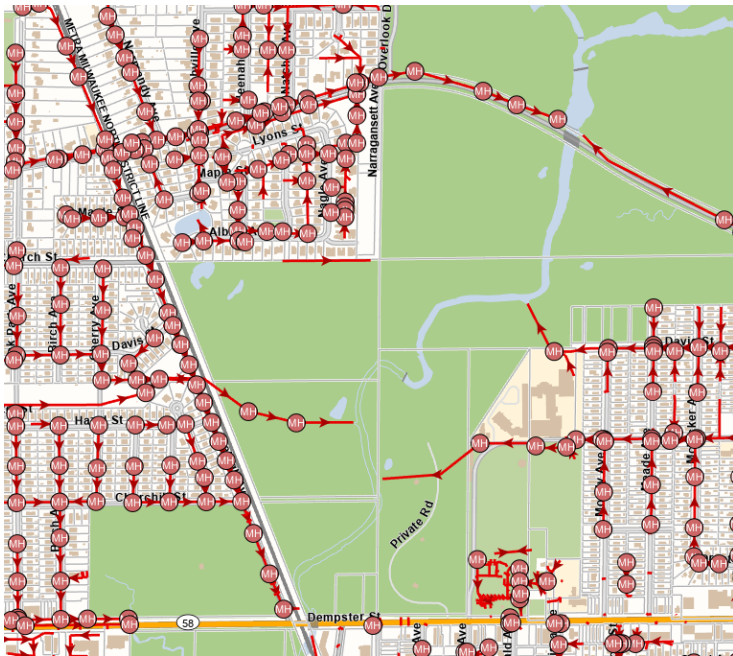
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BMP C. Illicit Discharge Detection and Elimination

BMP C.1 Sewer Map Preparation

The current mapping system used for all Morton Grove Departments and serving many other communities in its consortium is [MyGIS](#).

The map is updated with additions and modifications as new information is collected in the field and discovered during inspections and/or projects. Mapping data is updated daily with more extensive inventory updated weekly.



☆ Storm Main

Storm Manhole

▼

☆ Storm Manhole

Feature ID

007425

Community ID

S9362-386-4

Structure ID

3517

Feature ID

0072209

Community ID

Pipe ID

3450

Subtype

Collector

Lifecycle Status

Active

BMP C.1 Sewer Map Preparation

Morton Grove has met its measurable goal for continually updating the GIS Sewer Atlas and Village Maps for Permit Year 21.

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BMP C.2 Regulatory Control

The Municipal Code TITLE 7- Public Property and Utilities CHAPTER 5- Sewer Regulations, address sewer regulations and the non-stormwater discharges which are prohibited to the storm sewer system in the Village. CHAPTER 10- Erosion and Sediment Control and Grading.

BMP C.2 Regulatory Control Program

In 2023, The Village met its measurable goal for enforcement of the Sediment Control / Illicit Discharge Ordinance.

BMP C.4 Illicit Discharge Tracing Procedures

Morton Grove Public Works (MGPW) Water Department uses several methods to detect & trace the source of any reported, identified or suspected illicit discharge in any area of the village. With the aid of our extensive GIS mapping system, flow direction and manhole locations are identified. Manhole observations and underground televising are some methods used for Illicit Discharge Tracing.

Upon any notification of a discharge, all contributory areas are identified. Working upstream, using methods mentioned above, probable locations will be noted. Onsite inspections will be performed at surrounding streets and buildings until the source has been identified.

Upon any event, an investigation is done almost immediately but certainly within 24 hours. Investigations are completed for any report or discovery of a suspected illicit connection. This is to determine the source of the connection, the nature and volume of discharge through the connection and the party responsible for the connection.

Stormwater Outfall locations are inspected monthly. In addition, wet weather inspections are completed on the MS4 outfalls for significant rain events within 24 hours. These locations are inspected for any odors, water colors/shimmers, debris and if any maintenance is necessary.

A Private Sector Inspection Program has been on-going and all findings are documented in one of our GIS tools. Inspectors' best efforts are used to identify suspected sources and follow an established standard operating procedure to address any discharge or incorrect connections. The particular Outfall(s) for the area will be promptly inspected to confirm discharge did not and will not reach the waterway.

Both dry and wet weather inspections of all outfalls have been completed in 2023.



Example above indicates a very small amount of debris. The grate is in good condition. No odor. No water discoloration or high silt debris observed.

BMP C.4 Illicit Discharge Tracing Procedures

The Village met its measurable goal for Tracing Illicit Discharges in 2023.

Information required by this form must be provided to comply with 415 ILCS 5/39 (1996). Failure to do so may prevent this form from being processed and could result in your application being denied. This form has been approved by the Forms Management Center.

BMP C.5 Illicit Source Removal Procedures /
Provide information to Local Citizens for disposal of household pollutants

Information is available at Public Works, Village Hall, and links on our website regarding drop sites for proper disposal of household pollutants: tires, oil, gas, antifreeze, paint, and any other household hazardous waste.

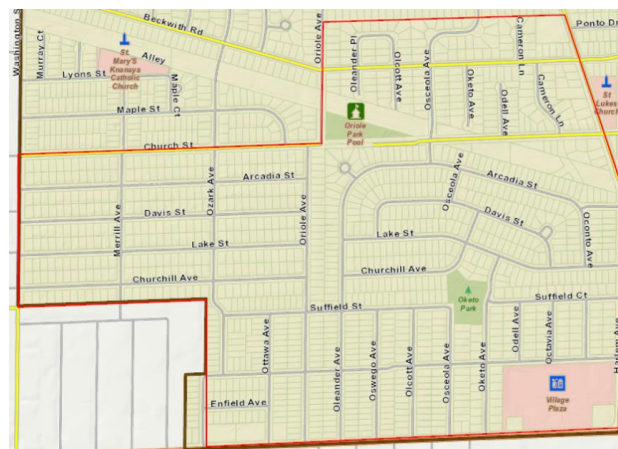
Solid Waste Agency of Northern Cook County (SWANCC) provides members with assistance in coordinating special events for the disposal of household pollutants, paper shredding and electronic recycling. More information for permanent drop off sites as well as special events collecting household hazardous waste (HHW) can also be found via a link on our Village website or Swancc.org.

Because there are various sources of illicit discharges to the storm sewer system, there are different kinds of actions to take in order to remove those sources and prevent future occurrences. The Village makes continual revisions to developed procedures, as needed, to ensure that effective controls are in place, protecting our water quality and reducing/eliminating the discharge of pollutants. "No Dumping" reminders along with the reporting of such is requested on our website, within our water bill comment section, e-news and newsletter publications.

Providing the responsible party with information about the differences between ground, gray, sanitary or storm connections, related environmental consequences, the applicable regulations/municipal codes, and how to fix these issues, may be enough to secure voluntary compliance. If further steps to obtain compliance are needed, a Notice of Sewer Violation is served. Proper construction, inspection and maintenance of the storm sewer pipes will also prevent illicit discharge problems.

A private sector inspection program has been ongoing for years now. Any identified non-compliance concerns are communicated to residents, resolved, then re-inspected for compliance. Moving upstream, inspections will continue to further identify and rectify any private illicit discharges, inflow or infiltration issues. These procedures are also part of the Infiltration and Inflow Control Program required by the Metropolitan Water Reclamation District of Greater Chicago.

The map below, area identified as Basin 10, indicates the 'upstream' area of the village which is currently undergoing I/I inspections.



BMP C.5 Illicit Source Removal Procedures /
Provide information to Local Citizens for disposal of household pollutants

The Village met its measurable goal for Illicit Source Removal & Elimination procedures in 2023. Additionally, the goal of providing citizens with information on properly disposing of household hazardous waste has been achieved in 2023.

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BMP C.7 Visual Dry Weather Screening

All 14 outfalls located within Morton Grove have been inspected monthly. During the *dry* weather screening, outfalls are observed to identify if there is / has been any existence of flow during dry weather. If any flow indicators are present during a dry weather inspection, the tracing procedure is immediately implemented. No dry weather flows have occurred in 2023.

If any event/occurrence (such as an auto accident) creates a situation of an inappropriate discharge to the storm sewer system, an immediate inspection is performed.

For the outfalls with a grate present, if any clean up or repair is necessary, the Water and Sewer Dept. performs any needed repair work and/or cleans the area and removes all debris, straightaway.

BMP C.7 Visual Dry Weather Screening

Visual Dry Weather Screening			
2023			
day	high	avg	low
March	22	52	45.5
April	14	82	70.9
May	29	84	70.9
June	23	85	76.2
July	20	87	78.5
Aug	23	98	87.5
Sept	25	74	68.8
Oct	11	66	55.1
Nov	15	64	51.6
Dec	15	52	44.3
Feb	15	44	39.3

X = inspected and all good																		
7	8	9	10a	10b	10c	11	12	13	14	15	17a	17b	18	C-19	C-20			
X	X	X	X	X	X	X	X	X			X	X						
X		X	X	X	X	X	X	X			X	X						
X		X	X	X	X	X	X	X	X	X	X	X	X	X	X			
X	X	X	X	X	X	X	X	X	X	X	X	X	X		X			
X		X	X	X	X	X	X	X	X	X	X	X	X		X			
X		X	X	X	X	X	X	X	X	X	X	X	X	X	X			
X		X	X	X	X	X	X	X	X	X	X	X	X	X	X			
X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X			
X		X	X	X	X	X	X	X	X		X	X	X					

BMP C.7 Visual Dry Weather Screening

Morton Grove has met this goal for monthly inspections and Visual Dry Weather Screening in permit year 21.

BMP C.9 Public Notification

A list of Morton Grove businesses, categorized by type, has been utilized for mailings of BMPs specific to each targeted audience. In 2023, landscapers and food establishments were the targeted audiences and were provided BMP information most appropriate for their particular group/audience.

For any occurrence of a Combined Sewer Overflow (CSO) or Sanitary Sewer Overflow (SSO), notification is sent in and posted on our website / face-book. MWRD monitors the two CSOs and will also post this on their website. Also provided is the opportunity to subscribe to receive notification from MWRD for CSO events.

The MWRD strives to protect our water environment and inform the Chicago region when our waterways are potentially impacted. This page informs visitors of combined sewer overflows (CSOs), provides historic data and mapping applications, additional rainfall data and updates to the MWRD's Tunnel and Reservoir Plan working to improve area waterways and reduce flooding.

CSO Notification Subscription

[Subscribe](#) to sign up to receive e-mail and text notifications of CSO events. You can [unsubscribe](#) from receiving notifications of CSO events at any time.

No overflow occurrences in 2023.

BMP C.9 Public Notification

The Village met its measurable goal for Public Notification in 2023.

Information required by this form must be provided to comply with 415 ILCS 5/39 (1996). Failure to do so may prevent this form from being processed and could result in your application being denied. This form has been approved by the Forms Management Center.

BMP C.10 Other Illicit Discharge Controls

Newsletter articles, handouts, mailings of BMPs and Water Bill comments campaigning for the reporting of any dumping and encouraging the practice of personal pollution prevention has been submitted for approval throughout 2023.

The Village has a 24-hour Municipal Hotline. Calls during operating hours are taken by the Public Works/Engineering Department and off hours are to be taken at the Police Department. Email contact information is included on the Village Web Page as well.

Training to full time PW staff on recognition and effects of illicit discharges was completed in early 2023.

BMP C.10 Other Illicit Discharge Controls

The Village met its measurable goal for Other Illicit Discharge Controls in Permit Year 21.

BMP D. Construction Site Storm Water Runoff Control

BMP D.1 Regulatory Control Program for Construction Site Runoff

The Morton Grove Engineering Dept. reviews and approves stormwater considerations through the permitting process at The Village Hall Building Dept. This includes any flood control devices installed as well.

The Village has an Erosion and Sediment Control and Grading Ordinance (Title 7 Chapter 10) which requires the control of runoff while requiring implementation of proper erosion and sediment controls, and controls for other wastes on applicable construction sites. Studying ongoing modifications of the technical standards from MWRD, State, Federal and other Municipalities proves helpful in preparing Morton Grove for forthcoming improvements to the current ordinance.

BMP D.1 Regulatory Control Program for Construction Site Runoff

The Village met its measurable goal for Regulatory Control Programs in Permit Year 21

BMP D.3 Other Waste Control/Outreach

This requires construction site managers to operate their sites to minimize adverse impacts to water quality. The Village's Control of Materials and Debris has been included in the "Erosion and Sediment Control/Grading Ordinance and is enforced regardless of development size. Informational sheets and /or training opportunities are made available on topics such as Stormwater and the Construction Industry, construction material recycling, Green Infrastructure and Low Impact Development.

Information and training seminar schedules are readily available for contractors thru postings in the Building Dept. Publications or online training opportunities are provided by entities such as the Illinois Center for Transportation, the EPA, and the Illinois Department of Transportation.

BMP D.3 Other Waste Control/Outreach

The Village met its measurable goal for Other Waste Control in Permit Year 21.

Information required by this form must be provided to comply with 415 ILCS 5/39 (1996). Failure to do so may prevent this form from being processed and could result in your application being denied. This form has been approved by the Forms Management Center.

BMP D.4 Site Plan Review Procedures

The Village has a plan review process to include the control of waste and debris on construction sites while enforcing current regulations. Reviewing procedures with contractors at pre-con meetings take place for all larger projects. Plans are reviewed by Engineering, in accordance to the provisions of the Watershed Management Ordinance (WMO) / MWRD and Morton Grove Village Codes.

BMP D.4 Site Plan Review Procedures

The Village met its measurable goal for Site Plan Review Procedures in 2023.

BMP D.5 Public Information and Handling Procedures

The Village tracks new construction activities and is prepared for complaints regarding soil erosion and sediment control.

The complaint form is made available to the public via contact info on our website. Contact information is also posted at large construction sites. If a complaint is received, either via phone, email or website, Morton Grove will review the complaint details, investigate then prescribe any needed corrective action.

BMP D.5 Public Information and Handling Procedures

The Village met its measurable goal for Public Information and Handling Procedures in 2023.

BMP D.6 Site Inspection/Enforcement Procedures

Morton Grove requires erosion and sediment control BMPs and each qualifying site will encounter inspections for compliance.

ILR10 permits at required sites are displayed on-site. Record keeping documents for each phase, required per permit obligations, are kept on file at each location for review upon request. Although for 2023, no new ILR10 permits were issued in Morton Grove, however, it is anticipated to see at least two for reporting year 2024.

BMP D.6 Site Inspection/Enforcement Procedures

The Village met its measurable goal for Inspection/Enforcement Procedures for Site Inspections in permit year 21.

BMP E. Post-Construction Site Runoff

BMP E.2 Regulatory Control Program

Morton Grove requires developments and businesses to apply a storm water management strategy for controlling runoff and therefore minimizing volumes and rates of runoff. Parties are responsible for sound planning procedures and implementing these procedures. Following and enforcing the MWRD regulations, in addition to Morton Grove codes, is compulsory. Appropriate controls must be in place to protect water quality and reduce the discharge of pollutants to the maximum extent practicable.

Implementation of these strategies include compliance with Morton Grove's ordinances. In order to minimize effects of runoff to receiving waters or storm sewer systems due to new development or re-development, prior planning and design are of upmost importance. This ensures developments minimize pollutants in post construction stormwater discharges. Strategy options for developers to adopt will focus upon preserving natural features of the sites, minimizing new impervious surfaces, proper conveyance of stormwater and providing for quality and quantity control.

BMP E.2 Regulatory Control Program

The Village met its measurable goal for 2023 regarding the Regulatory Control Program.

BMP E.3 Long Term O&M Procedures

The Village continues to review post development plans to ensure that maintenance procedures are defined for storm water management system components. Easements and overland flow patterns are defined in the civil engineering plans. Permits are only issued for projects in compliance with the provisions of the Morton Grove code which include proposed BMPs for post construction runoff control. Long term maintenance plans of each facility must be approved. Emphasis is made on using subtle stormwater conveyance approaches to increase infiltration and decrease the volume and velocity of runoff leaving any site. Whether using structural or non-structural BMPs implementation must minimize the type and quantity of pollutants in stormwater runoff. Plans should reflect procedures that will control, reduce and re-use on-site.

BMP E.3 Long Term O&M Procedures

The Village has met its measurable goal for Long Term O&M Procedures for permit year 21.

BMP E.4 Pre-Construction Review of BMP Designs

Site plan reviews within the Engineering department, confirm the Village permit process has been met. Qualifying developments must have strategies and plans in place to incorporate stormwater infiltration / reuse of stormwater in the project. This requires construction site runoff control and post construction maintenance. Requirements reference the Illinois Urban Manual which also is providing guidance in order to facilitate a comprehensive management strategy. This includes the design and application of techniques which can effectively control undesired consequences of urban development.

BMP E.4 Pre-Construction Review of BMP Designs

The Village has met its measurable goal for review of BMP designs for permit year 21.

BMP E.5, E6 Site Inspections During and After Construction

All regulatory control measures, particularly regarding the protection of waterways and preventing the discharge of pollutants, must be met. No matter the size of the construction site, each is responsible to sustain procedures which comply with all requirements.

Final inspections are performed by the Building Department staff at the end of each project.

BMP E.5, E6 Site Inspections During and After Construction

The Village met its measurable goal in 2023.

BMP F. Pollution Prevention/Good Housekeeping

BMP F.1, Employee Training Program

Throughout 2023, Public Works staff completed spill prevention training and participated in an Illicit Discharge Detection and Elimination presentation as well as Stormwater Pollution Prevention. Distribution of articles to target departments was completed. For example, salting crews received handouts with proper salting techniques and statistical data on the effects of chloride on the environment.

Video presentations made available upon request along with schedules provided for on-line webinar stormwater management training opportunities.



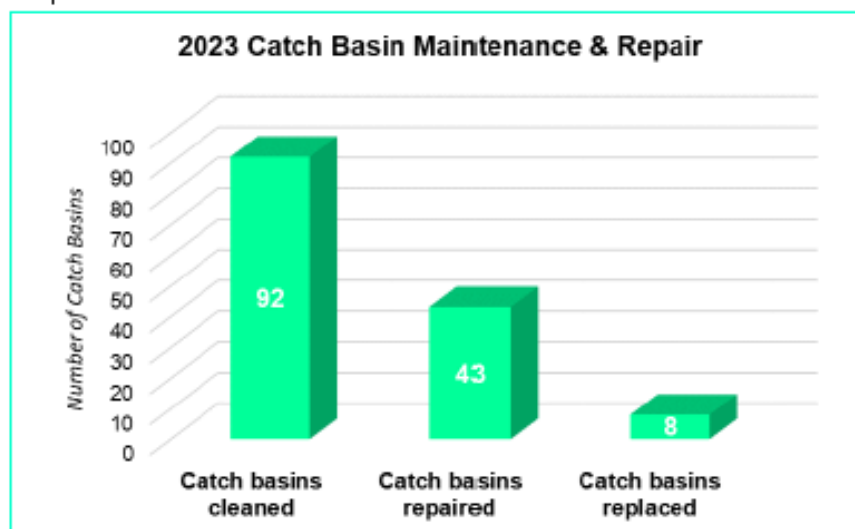
BMP F.1, Employee Training Program

The Village met its measurable goal in 2023.

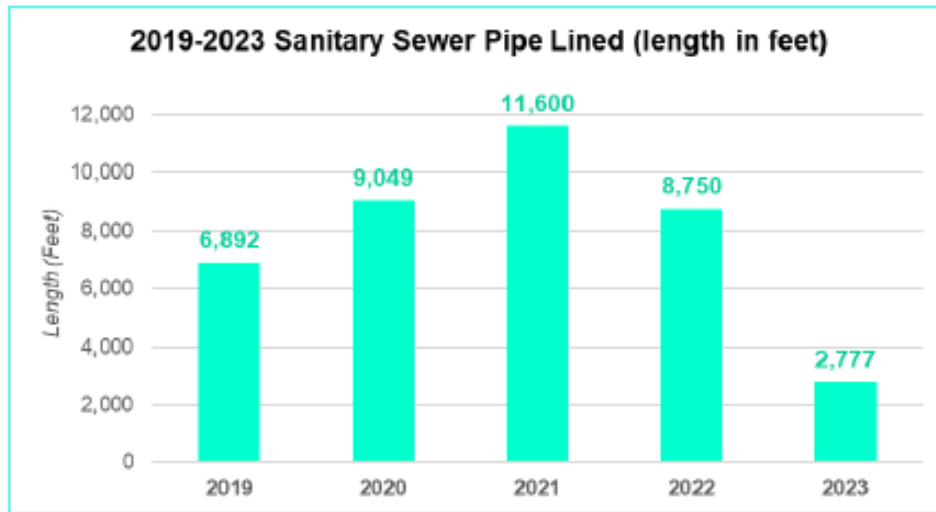
BMP F.2 Inspection and Maintenance Program

The grounds of the Public Works Facility are inspected on a weekly basis.

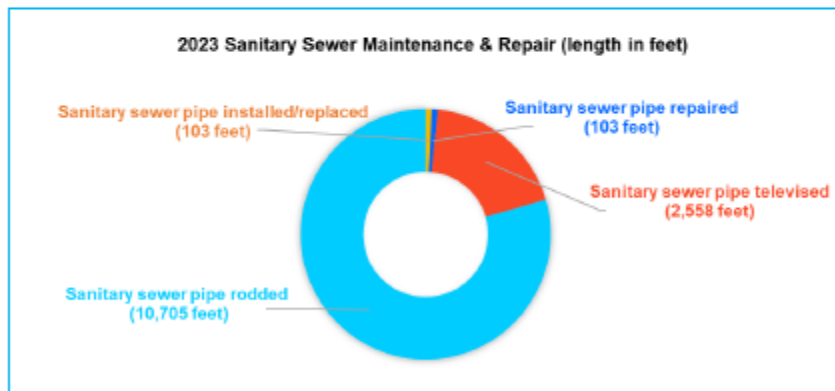
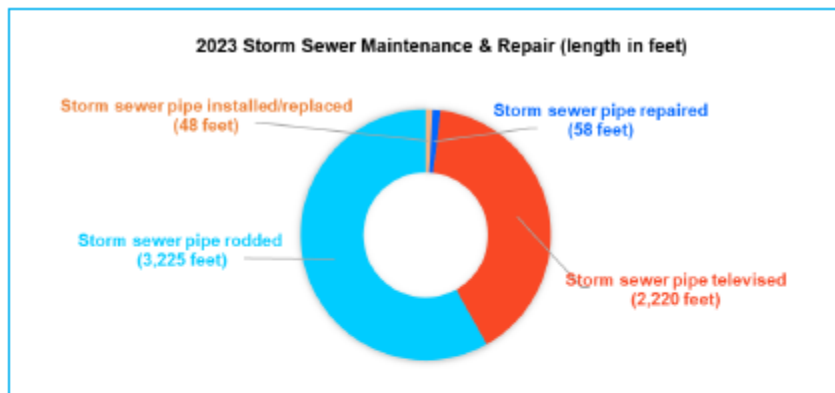
The Public Works Water and Sewer Division inspected and cleaned curb drains; occasionally this will result in either a repair or a replacement. Rodding was completed as well. See below for some detailed statistics for 2023:



2023 Catch Basin Maintenance & Repair – Over the past five years, the Sewer Division has on average cleaned 96 catch basins per year, repaired 34 catch basins per year, and replaced 4 catch basins per year. Increased annual amount of catch basins cleaned is accomplished with additional Public Works seasonal help during the summer months.

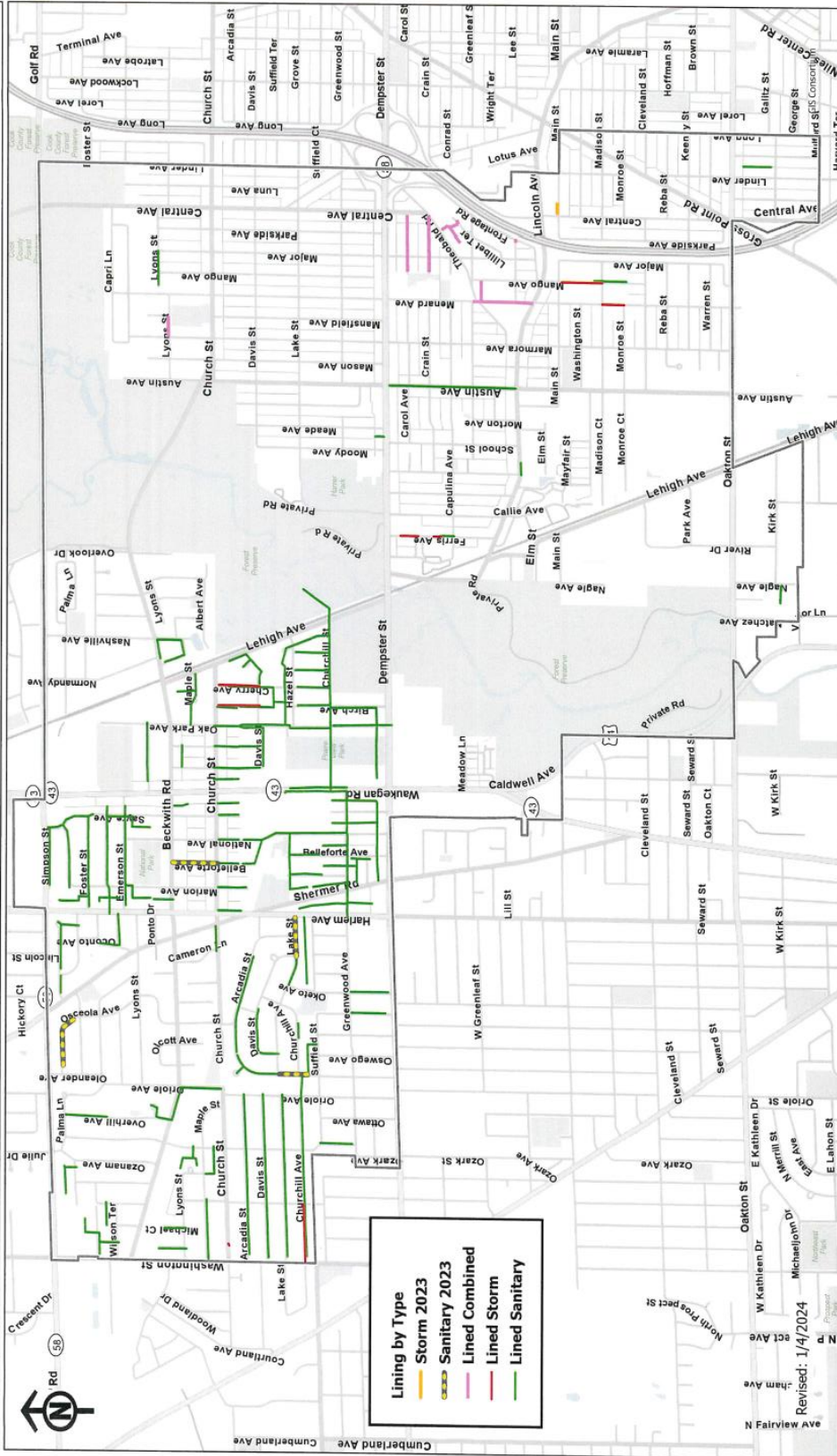


2019-2023 Sanitary Sewer Pipe Lined (length in feet) - Only Village sewers which required emergent repairs were lined in 2023. On average, over the past five years, 7,813 feet of Village sanitary sewer pipes were lined per year. The Sewer Lining Program is completed annually, as Village funding permits.



*2023 Storm and Sanitary Sewer Maintenance & Repair (length in feet) - The majority of storm and sanitary sewer maintenance consists of sewer rodding. Though the 2023 data shows approximately equivalent storm and sanitary sewer televising, the five-year averages are 739 feet (storm) and 3,174 feet (sanitary).
 — More sanitary sewer televising takes place prior to Village-contracted sewer lining.*

Public Works Department All Lined Sewers



BMP F.2 Inspection and Maintenance Program

The Village met its goal for Permit Year 21 by completing inspections and maintenance of sewer systems.

Information required by this form must be provided to comply with 415 ILCS 5/39 (1996). Failure to do so may prevent this form from being processed and could result in your application being denied. This form has been approved by the Forms Management Center.

BMP F 3 Municipal Operations Storm Water Control

Staff has been trained to identify municipal activities that can contribute to the discharge of pollutants to the storm sewer system. While in the field and Public Works yard, staff will identify any issues and report back to department heads for immediate action to remedy any situation. Public Works Yard maintained weekly. Triple basin system inspected/cleaned in Spring and Autumn. Catch basin cleaning performed per annual schedule. Participation in watershed group by at least one PW staff. On average, 100 trees to be planted. Deicing vehicles calibrated.

Vehicle Maintenance Activities

The Vehicle Maintenance Division plays a key role in the delivery of Village services throughout all departments, ensuring all village vehicles and equipment are available, reliable, and safe to operate. The Vehicle Maintenance Division is responsible for the scheduling and performance of routine maintenance and all repairs to the municipal fleet covering Public Works, The Fire and Police Departments, Emergency Service Disaster Agency (ESDA), Family/Senior Services and the Administrative Department. In total, this consists of approximately 140 vehicles. The Vehicle Maintenance Division ensures that all Village vehicles and equipment are available, reliable and safe to operate. This includes safeguarding against all/any fluid leaks.

In addition, this Division maintains the underground fuel storage tank (UST), fuel dispensing equipment, and record of monthly fuel usage by all Village Departments in compliance with state-mandated fuel and tank regulations.

Street Maintenance Activities

While protecting any pollution potential to the storm drains, the Street Division is responsible for maintaining approximately 82 miles of Village, State, and County roads, including approximately 11 miles of paved alleys. Maintenance operations include pavement repairs, pavement markings, street sign maintenance & repair, landscaping, street sweeping, leaf collection, trash pick-up, snow removal and ice control.

Street Sweeping Program

Street sweeping has a direct beneficial impact on water quality. Street sweeping both aids in maintaining clean Village rights-of-way and also prevents debris from entering the Village’s storm and combined sewer system, resulting in better stormwater drainage. Street sweeping begins in the late spring and increases in frequency during the fall leaf season. The Fall Leaf Collection Program begins in early October and runs through late November.

Leaf Collection Tonnage & Street Sweeping Mileage - In 2023, both programs ran through mid-December as a result of warmer weather conditions, contributing to the highest volumes of both sweeping mileage and leaf collection tonnage in the past five years.



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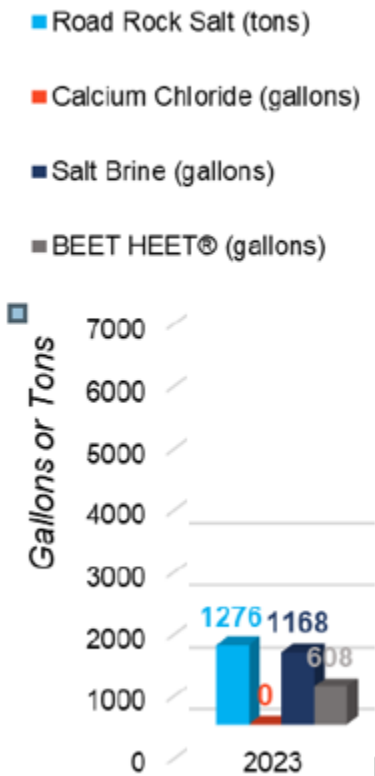
Street Deicing Program

Salting and de-icing operations commence as soon as precipitation begins to fall on the streets. Snow plowing begins when approximately one (1) inch of snow accumulates on the streets and continues until all streets are cleared. The Snow and Ice Removal Program requires mobilization of all Public Works personnel and is led by the Street Division. In 2023, the Village experienced 20 snow and ice events. Street Division personnel pride themselves with providing Morton Grove residents the most well-maintained streets in the Northwest suburbs. Morton Grove is responsible for managing all snow and ice within the entire Village, excluding Golf Road, bordering the most northern part of the village. The snow removal program is designed to clear and haul snow from the Metra Train Station, municipal parking lots, alleys and off-street parking areas as well Village streets and alleys.

Public Works aims to reduce the road salt applied, to the MEP, while keeping safety a priority. Morton Grove is a participant in the Chloride Reduction Initiative as well as a member of more than one watershed workgroup; these groups are organized to implement control measures which will reduce the chloride concentration in our receiving waterways, areawide.

Deicing activities include the continued use of electronic application rate control devices. These devices dispense deicing material via road speed calibration, minimizing any over application. Salt used as a deicing material is stored in the covered salt dome in the Public Works yard. Our liquid calcium chloride is stored in fiberglass tanks surrounded by concrete curb. No deicing materials are exposed to the elements during storage and there is no threat of release to the storm sewer system or any waterways.

**2023 Amounts of De-Icing Products Used
(Gallons or Tons)**



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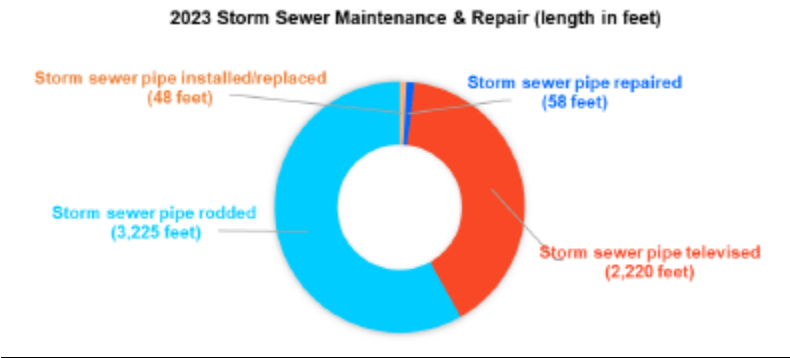
Sewer Maintenance Activities

The Sewer Division is responsible for the maintenance and repair of the Village’s sanitary, storm, and combined sewer systems. The Village sewer system includes approximately 49 miles of sanitary sewer pipe, 70 miles of storm sewer pipe, and 12 miles of combined sewer pipe. The sewer system is comprised of manholes, catch basins, sewer mainline pipes, sewer joints, and lateral residential service lines. Manholes provide physical access points to the sewer system while catch basins collect debris, preventing it from traveling into storm sewers with rainfall or snow melt (stormwater runoff).

When the Village experiences rainfall or snow melt, stormwater runoff enters the storm or combination sewer system, first passing through catch basins (also called “curb drains”). Catch basins collect debris, preventing it from traveling further into the storm or combination sewers, which can cause blockages. Sewer Division personnel regularly clear debris from catch basins to maintain storm sewer patency and evaluate these structures for repair or replacement.

A unique component to routine sewer maintenance is the use of closed-circuit television video (CCTV) and the Envirosight ROVVER X. This small, mobile, waterproof robot, remotely guided by Sewer Division personnel, enters the sewer system and provides real-time digital imaging of the inside of the pipes. This innovative technology allows Sewer Division personnel to determine what the issue is, if the issue is occurring within the Village sewer lines, and how best to resolve it. Televising is only used when indicated, not for all routine sewer maintenance. Sewer televising is also a key aspect of the Sewer Lining Program.

2023 Storm and Sanitary Sewer Maintenance & Repair (length in feet) - The majority of storm and sanitary sewer maintenance consists of sewer rodding. Though the 2023 data shows approximately equivalent storm and sanitary sewer televising, the five-year averages are 739 feet (storm) and 3,174 feet (sanitary).



Forestry Division Activities

The Forestry Division maintains approximately 11,000 trees on the public right-of-way throughout the Village. Maintenance operations include tree trimming, tree removal, stump grinding, woodchip delivery, clearing of alley overgrowth, branch pick-up, and storm clean-up. Parkway trees are trimmed on a 7-year pruning cycle. The Forestry Division conducts the annual tree trimming operations throughout the year in pre-determined sections of the Village. Trimming crews adhere to the American National Standards Institute (ANSI) guidelines for tree care to address three essential aspects: tree health,

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resident safety and protecting private and village property from damage. Over the course of 2023, a total of 1,555 parkway trees were trimmed. There was a total of 142 planted trees in 2023.

Annual visits are made to Public Schools to educate children about the benefits of trees to us and the environment. In addition, the arborist promotes Arbor Day and Earth Day activities while demonstrating proper tree planting techniques and the benefits of tree population as it relates to stormwater runoff. The replacement and addition of these new trees will help to reduce soil erosion, increase interception of rainfall, improve soils and diminish the leaching of non-point source pollution.



2023 Arbor Day Tree Planting Ceremony at Parkview Elementary School - Each year, Arbor Day is hosted at a different Village Elementary School. An autumn blaze maple tree was planted by the Forestry Division at Parkview Elementary School in 2023.

Landscaping Division Activities

Responsibilities of the Landscape Division include Spring and Fall clean ups, alley and roadside clean-ups, Village parking lot maintenance as well as inspection of and improvements to street scape areas and/or detention areas / bio-swales. Within the Village, proper landscape design, planting and maintenance of public and Village owned properties are implemented using green techniques to the MEP.

Building/Facilities Maintenance Division

This Division's priority is to monitor, maintain and verify the condition of municipal buildings and properties on a continual basis. Facility inspections are regularly completed to ensure efficient operation of infrastructure, equipment and cleanliness of each facility and its surrounding property. This Division participates in setting design specifications, bidding and overseeing the preventive maintenance programs in the Village. The division is also responsible for developing and overseeing the Public Works wellness, safety and training programs.

BMP F 3 Municipal Operations Storm Water Control

The Village met its goal of identifying current Public Works operations which may contribute to the discharge of pollutants to the storm sewer system and implement stormwater controls, in Permit Year 21.

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BMP F.6 Other Municipal Operations Controls

Morton Grove continues allocating funds for their Stormwater facilities and related property improvements and projects. The Engineering Division is responsible for design, inspection and administration of all construction projects within rights-of-way and other lands owned by the Village of Morton Grove. This includes Street Resurfacing & Patching, Sewer Lining, Sewer Video Inspections, Water Main Improvements, Crack Sealing, Street Lighting and Street Striping.

Weather station equipment is monitored, allowing detailed rain, snow and general weather data to be utilized for many projects/task planning and scheduling.

Engineering studies are performed related to the Village streets, sewers, water main infrastructure, performing site inspections to verify code compliance, and advancing and maintaining the Village's Geographic Information System (GIS). Replacement of any damaged sewer covers. Aggressive street sweeping of all Village streets daily, per a weekly area schedule.

BMP F.6 Other Municipal Operations Controls

The Village met its measurable goal for Other Municipal Operations Controls in Permit year 21.

C.
Attach results of information collected and analyzed, including monitoring data, if any during the reporting period.

Monitoring the outfalls and overflows in Morton Grove are completed monthly and after significant rain events. Data for all inspections at each outfall are on file at Public Works. These files are available upon request. The chart below provides a list of the 2023 rain event dates which required outfall inspections. Other than clean-up of grates attached to some of the outfalls, no odors, debris or significant sediment issues were observed during 2023.

Rain Event Date	Temperature (°F)			Dew Point (°F)			Humidity (%)			Wind Speed (mph)			Pressure (in)			Precipitation (in)
	Max	Avg	Min	Max	Avg	Min	Max	Avg	Min	Max	Avg	Min	Max	Avg	Min	Total
3/10/2023	37	34.3	33	33	30.1	28	92	84.9	78	17	10.8	7	29.4	29.3	29.2	0.45
3/25/2023	44	36.4	34	33	30.7	22	89	81.1	42	21	15.7	7	29.1	28.8	28.6	0.76
4/1/2023	49	38.7	33	35	30.4	26	86	72.6	59	26	13.3	0	29.4	28.9	28.6	1.15
4/5/2023	72	59.6	39	63	49.7	27	84	70.1	57	28	16.4	8	29.4	29	28.8	0.65
6/2/2023	90	78.8	67	61	54	47	79	46.7	24	13	7.6	0	29.4	29.3	29.3	0.88
6/14/2023	75	66	59	59	57.3	55	87	74.2	57	10	4.7	0	29	28.9	28.9	0.51
6/25/2023	86	74.9	68	70	64.8	57	96	73.1	42	25	13	0	29.1	28.9	28.8	0.77
7/2/2023	74	69.5	66	71	67.1	56	97	92	68	16	9.5	3	29.1	29	29	1.06
7/3/2023	87	76.2	64	63	59.6	56	78	57.6	44	9	6.7	3	29.2	29.2	29.1	2.76
7/13/2023	78	69.8	63	64	61.2	59	90	75.1	56	10	4.9	0	29.1	29.1	29.1	0.63
7/29/2023	82	74.3	69	69	63.8	54	93	72.1	42	22	8.4	0	29.4	29.3	29.1	1.05
9/19/2023	68	61.7	58	59	55.1	52	87	79.4	68	16	7.7	0	29.3	29.3	29.2	1.63
10/14/2023	57	54.1	50	54	49.1	45	93	83.5	69	25	17.5	8	29.3	29.1	28.9	0.76
10/15/2023	59	52.1	47	45	42.6	40	86	71	51	16	11.8	7	29.4	29.3	29.3	0.37
11/21/2023	44	41.6	37	42	38.3	32	97	88.3	76	17	10	3	29.3	29.1	29.1	0.54
12/2/2023	43	40.6	39	38	36.6	35	93	86	76	10	6.2	0	29.3	29.2	29.1	0.49
12/3/2023	40	38.5	37	38	35.6	32	97	89.7	82	14	6.3	0	29.1	29	29	0.18
1/9/2024	36	34.1	33	34	32.5	30	96	93.9	85	22	13.1	8	29.1	28.5	28.3	0.31
1/26/2024	40	38.1	37	38	37.1	36	100	96.5	93	12	5.9	0	29.5	29.4	29.2	0.55
2/28/2024	50	28.6	20	40	15.2	3	82	59	34	25	17.8	8	29.6	29.1	28.6	0.47

Other monitoring data for Morton Grove can be found on the website for [The North Branch Watershed Workgroup \(NBWW\)](https://www.nbwil.org/) NBWWIL.ORG

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C.
CONTINUED: Results of information collected

Communities within the North Branch Chicago River watershed in Lake County have formed a workgroup: a voluntary, dues paying, membership organization with a mission to bring together a diverse coalition of stakeholders to work to improve water quality in the watershed, in a cost-effective manner to meet Illinois EPA NPDES permit requirements. The North Branch Watershed Workgroup (NBWW) is committed to an approach for attaining water quality standards that focuses on stakeholder involvement, monitoring, and locally led decision-making based on sound science.

[Appendix-A-Score-Card_2023-Evaluation.pdf \(nbwwil.org\)](https://www.nbwwil.org/wp-content/uploads/2023/01/Appendix-A-Score-Card_2023-Evaluation.pdf)

https://www.nbwwil.org/wp-content/uploads/2024/01/Appendix-A-Score-Card_2023-Evaluation.pdf

NBWW Program Goals & Monitoring Strategy:

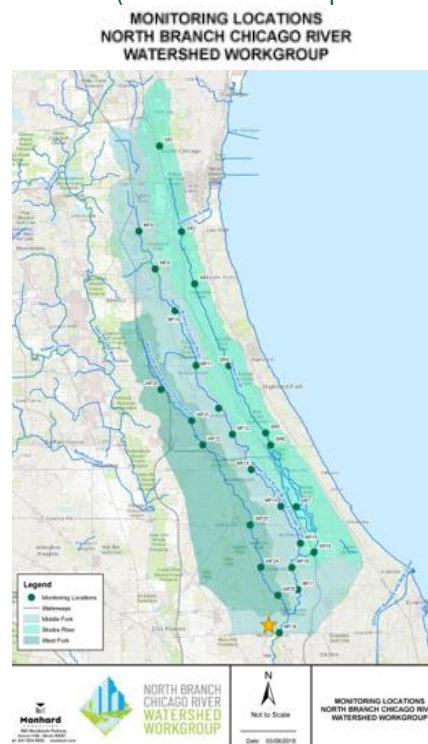
Develop and implement a comprehensive monitoring program that will include chemical, physical and biological components that will more accurately identify the quality of stream and river ecosystems as well as stressors associated with non-attainment of water quality standards and designated uses. The NBWW monitoring program will establish baseline conditions, and then measure progress towards meeting water quality standards.

Provide a secondary benefit to NPDES permittees by meeting certain monitoring permit requirements, including monitoring requirements for upstream and downstream of Publicly Owned Treatment Works (POTWs) and Municipal Separate Storm Sewer Systems (MS4s).

https://www.nbwwil.org/wp-content/uploads/2024/02/2023-NBCR-Watershed-Monitoring-Strategy_FINAL.pdf

NBWW Annual Workplan Scorecards

See the NBWW Annual Workplan Scorecards (under Plans & Reports webpage) and sample report on page 29.



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NBWW Annual Workplan Scorecards

See the NBWW Annual Workplan Scorecards ([under Plans & Reports webpage](#)) strategy tables are specific program activities that can be included as measurable goals to meet the minimum control measures (MCM) of the NPDES ILR40 permit requirements.

“Corresponding MS4 MCM” column should be reflected as measurable goals in the Stormwater Management Program Plan (SMPP) as well as annual facility inspection report. “Water Quality (WQ) Requirement” supports Part 5 of the NPDES ILR40 Permit.

Sample page of 2023 Scorecard displayed below:

APPENDIX A: NORTH BRANCH CHICAGO RIVER WATERSHED WORKGROUP SCORECARD

Year Assessed: 2023

The following strategy tables are specific program activities that can be included as measurable goals to meet the minimum control measures (MCM) of the NPDES ILR40 permit requirements. “Corresponding MS4 MCM” column should be reflected as measurable goals in the Stormwater Management Program Plan (SMPP) as well as annual facility inspection report. “Water Quality (WQ) Requirement” supports Part 5 of the NPDES ILR40 Permit.

Strategy 1: Monitoring and Water Quality Assessment

Work Plan Objective	Action Steps	Corresponding MS4 MCM	NBWW Status
1	Review monitoring program to assess site locations, data parameters and budget.	WQ Monitoring Requirement	Completed as part of the current NBWW Monitoring Strategy Document; last revised 11/10/2021. NBWW Monitoring Committee reviewed the Monitoring Strategy in 2023.
1	Consult with outside experts to ensure the most efficient use of resources in data collection, and that appropriate parameters are being monitored to achieve the goals of the NBWW.	WQ Monitoring Requirement	Consulted with Chris Yoder (MBI) during development of the Monitoring Strategy and QAPP Document. Continue to consult with MBI, Geosyntec, Illinois EPA, NSWRD & other local workgroups about monitoring strategies.
1	Make data available for watershed planning and to Workgroup members.	WQ Monitoring Requirement	Monitoring reports and data are available on the NBWW website: https://www.nbwwil.org/plans-and-reports/
1	Use monitoring results to identify the extent of the impaired waterbodies and utilize water quality models to prioritize remediation efforts.	WQ Monitoring Requirement	MBI incorporated NBWW's 2022 monitoring data into the Integrated Prioritization Systems (IPS) Model. In 2024, NBWW staff and members will be trained to utilize the IPS model and continue developing a Nutrient Assessment Reduction Plan (NARP).
1	Analyse monitoring results to pinpoint the sources of pollution.	WQ Monitoring Requirement	
1	Compile the data in a format to be included in an annual report prepared to satisfy the National Pollutant Discharge Elimination System (NPDES) water quality monitoring permit reporting requirements of its Workgroup members.	WQ Monitoring Requirement	Fifth year of monitoring data (2022) was compiled and submitted to the Illinois EPA in March 2023. Sixth year of monitoring data (2023) will be compiled and submitted to the Illinois EPA March 2024.
1	Use the monitoring results to evaluate effectiveness of watershed projects and initiatives.	WQ Monitoring Requirement	MBI incorporated NBWW's 2022 monitoring data into the Integrated Prioritization Systems (IPS) Model. In 2024,

D.
Attach notice that you are relying on another government entity to satisfy some of our permit obligations (if applicable)

Water Quality Monitoring performed thru The North Branch Chicago River Watershed Workgroup

The North Branch Chicago River Watershed Workgroup (NBWW) formed in January 2018 with a primary goal of improving water quality in the North Branch Chicago River watershed in Lake and Cook Counties through a collaborative, locally lead process. To accomplish this, the NBWW has designed a comprehensive bioassessment monitoring program that consists of water and sediment chemistry, fish, macroinvertebrate, and habitat sampling and analysis.

Membership in the group consists of municipal and county government agencies, publicly owned treatment works (POTWs), park districts consulting firms, and environmental not-for-profits. The Table below lists the National Pollutant Discharge Elimination System (NPDES) & Municipal Separate Storm Sewer Systems (MS4) permit holding agencies members participating in the NBWW.

Members

NBWW Membership Agreement

Please refer to the "[About Us](#)" page for jurisdictions within the service area.

NBWW Agency Members:

City of Evanston
City of Highland Park
City of Lake Forest
City of North Chicago
City of Park City
City of Waukegan
Cook County
Cook County Department of Transportation and Highways
Forest Preserve District of Cook County
Illinois Department of Transportation
Lake County (Lake County Division of Transportation & Health Dept.)
Lake County Forest Preserve District
Libertyville Township
North Shore Water Reclamation District Clavey Road Water Reclamation Facility
*Skokie Consolidated Drainage District
Union One Middle Fork Drainage District
Union One West Fork Drainage District
Vernon Township
Village of Bannockburn
Village of Deerfield
Village of Glencoe
Village of Glenview
Village of Green Oaks
Village of Lincolnshire
Village of Morton Grove
Village of Niles
Village of Northbrook
Village of Northfield
Village of Riverwoods
Village of Skokie
Village of Wilmette



NBWW Members NOI Spreadsheet

MS4 communities in the workgroup can recognize the NBWW's in-stream monitoring data (including sediment sampling) for their NPDES permit compliance as a component of Collaborative watershed-scale monitoring. Ashley Strelcheck, NBWW Coordinator, has provided an NOI spreadsheet detailing NBWW's monitoring strategy. This spreadsheet can be used as an MS4 program reference. 40 CFR 122.35 does allow for another entity (I.e. workgroup) to satisfy NPDES permit obligations. MS4 must identify the workgroup monitoring location nearest their boundary drainage areas. This spreadsheet can be used to filter information to find the appropriate monitoring stations and parameters sampled to meet NPDES permitting requirements.

<https://lakecountyil.maps.arcgis.com/apps/webappviewer/index.html?id=0d60824433734de3bb7905c1113a8539>

Information required by this form must be provided to comply with 415 ILCS 5/39 (1996). Failure to do so may prevent this form from being processed and could result in your application being denied. This form has been approved by the Forms Management Center.

E.

Attach a summary of the storm water activities you plan to undertake during the next reporting cycle

The following information is planned for YEAR # 22 > March 1, 2024 thru Feb 2025

A summary of the stormwater activities planned by the Village of Morton Grove during the next reporting cycle is presented below.

BMP A. Public Education and Outreach

BMP A.1 Informational Material and Brochures

Year 22: The Village of Morton Grove will obtain and make available new informational material and brochures for display at the Public Works Department, Village Hall and Civic Center. For 2024: Distribute new/updated informational materials from take away racks quarterly. Inventory & replenish monthly. Educational material to be mailed to 20% of the different types of businesses in Morton Grove: landscapers, food industries, chlorinated water locations (chlorinated pool owners), & pet owners. Target audiences will be provided individualized material if the need is discovered and/or reported.

BMP A.3 Public Service Announcement;

Newsletter Articles

Water Bill Insert Messages

Year 22: Five water bill inserts/comments to be submitted for consideration and approval. Four newsletter articles will be submitted for approval to be published in e-news and/or newsletter and postcard mailings. . These will be submitted to be included in the Village newsletter for the Spring, Summer, Autumn and Winter issues. Topics to include general stormwater education, sustainability and pollution prevention.

BMP A.4 Community Event

Year 22: In addition to advertising in the newsletters, in-person events are scheduled and listed on the website calendar, face-book and the postcard mailings. The recycle event will take place again at the Public Works facility on May 11, 2024. Although this event is open to all SWANCC communities, 95% of the attendees are from Morton Grove.

A new event; Indoor Spring Market will also be held on the 15th of May, 2024. Stormwater Mngt staff will provide pollution prevention material. Encouraging 'keep the river clean', promotional items and additional information will be provided on the benefits of a clean river - fishing

Community Outreach Events will be held with the first one scheduled on May 16th at Thomas Edison Elementary School and another is scheduled for October 17, at Park View.

"Community Clean Up Day" will be held for the second time and is scheduled for May 18, 2024.

The 'Fall Market' is scheduled for October 26, 2024. Other dates for events are pending.

BMP A.5 Education Material

Year 22: Educational kits made available for use by teachers for any classes but most often are requested for the 3rd grade classes from at least 1 of 6 schools. Arborist to also provide classroom material and tree seedlings.

BMP A.6 Web Site Links

Year 22: New administrative guidelines have postponed the addition of videos to the stormwater webpage. The website will continue to be reviewed quarterly.

At periodic intervals throughout 2024, current stormwater information and related links will be reviewed, added to and modified as needed and approved.

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BMP B. Public Participation/Involvement

BMP B.4 Public Meeting

Year 22: Environmental & Natural Resource Commission (ENRC) meetings scheduled for 2024 will now be on the first Monday of the month. ENRC to coordinate and facilitate many of the community events which are intended to positively impact, preserve and sustain the environment.

BMP B.7 Other Public Involvement

Year 22: Events and Programs initiated by ENRC and the Village will help facilitate discussions on the benefits and costs of green stormwater infrastructure (GSI) strategies as well as provide guidance on implementation.

Public Works will continue to provide residents and businesses the ability to participate in the 'Adopt a Planter' for both Spring and Winter seasons.

Applications taken for resident tree planting requests beginning each January for planting in the Spring.

Distribute promo items with relevant fact sheets at the outreach events. Review EJ agenda webpage, and implement to MEP, practices found relevant to the Village.

Evaluate the need to tailor program messages based on different languages.

BMP C. Illicit Discharge, Detection and Elimination (IDDE)

BMP C.1 Storm Sewer Mapping

Year 22: The Public Works/Engineering Department continues updating the storm sewer mapping system within GIS. This will be updated with completed private sector inspections, and water service line material inventory (lead/copper services) as well as sewer/basin dimensions and inspection details.

As information is obtained in the field, this is documented and submitted to our GIS personnel to update the mapping system. Continual revisions and updates are made to the sewer maps. Field discoveries, new developments/improvements, inspections, meter replacements and any repairs may call for changes in the GIS system.

BMP C.2, C.4, C.5 Regulations and Tracing & Removal Procedures related to Illicit Discharge

Year 22: The Public Works/Engineering /Water Departments will continue investigating and catalogue reports of discharges to the storm sewer system and will also continue to enforce all current sewer regulations.

Document any reported concerns and investigate and address any suspect discharges.

Inspection of 100% MS4 outfalls within the Village. Continue private sector inspections for basin 10.

Identify any source of Illicit discharges and assist with alleviating the source.

When needed, implement notification procedures and provide standard operating removal procedure information for eliminating discharges.

Recognition and implementation of any needed revisions to the Village codes will be considered and processed. Provide HHW information to residents and businesses thru outreach mailings and takeaway racks.

BMP C.7 Visual Dry Weather Screening

Year 22: Dry weather inspections of all outfalls in the Village's MS4. Use of drone for up-close photo and video inspections and record keeping. Document any reported concerns and investigate and address any suspect discharges.

BMP C.9 Public Notification

Year 22: For any occurrence of a CSO, SSO or significant illicit discharge, this is to be posted on the website & reported to any required governing agencies.

Mailings to 2 categories of businesses, providing BMP guidance appropriate to the business type. Website and Facebook page will be utilized for public notifications as well as postings at Public Works.

The Village of Morton Grove will continue to enforce any violations prohibiting all unauthorized non-stormwater discharges into the storm sewer system.

BMP C.10 Other Illicit Discharges Controls

Year 22: The Public Works/Engineering Stormwater web page will continually be updated to reflect the most current stormwater information available to Village residents. Contact links on the website will remain in effect for resident concerns and we will continue to monitor calls from the reporting residents on any illicit activities within the village's storm system. Resident participation in reporting will continue to be encouraged thru our water bill comment section and newsletter articles.

BMP D. Construction Runoff Control**BMP D.1, D.3, D.4 Regulatory Control & Other Program, Site Plan Review Procedures**

Year 22: The Village continues permitting procedures which enforce Title 7 Chapter 10 of the MG Municipal Code. Control of Materials and Debris has been included in the "Erosion and Sediment Control/Grading Ordinance" of Morton Grove which applies to all development/construction sites. Site Plan Reviews are ongoing and any issues or modifications are handled within the Engineering Dept. Review of current ordinance and continue enforcement of the Village's Erosion and Sediment Control and Grading Ordinance.

BMP D.5 Public Info Handling

Year 22: Contact links on the website remain available for resident concerns and we will continue to monitor calls from the reporting public on any illicit activities within the village's storm system. Resident participation in reporting will continue to be encouraged thru our water bill comment section and newsletters. Investigate reports of erosion and sediment control concerns/issues and prescribe corrective actions for a solution when needed.

BMP D.6 Site Inspection/Enforcement

Year 22: Title 7 Chapter 10 of the MG Municipal Code will continue to be enforced. Inspect and monitor construction sites and track any possible violations. Confirm that any non-compliant issues are addressed in a timely manner.

BMP E. Post-Construction Storm Water Management

BMP E.2 Regulatory Control

Year 22: The Public Works/ Engineering Department will continue to review and revise the Code of Ordinances as required. Enforcement of the MWRDGC regulations will continue. Continue to review / enforce management practices & controls developed for minimizing volume and velocity of storm water flow to the MEP.

BMP E.3 Long Term Maintenance

Year 22: The Village will continue to review and identify responsibility for maintenance of new storm sewer facilities with the continuation of requiring plans, maintenance tasks, and overland flow patterns to be defined in engineering plans. The Village engineering dept. will continue review of pre and post development plans during the design, construction, and long-term maintenance of the facility and incorporate technical standards applicable.

BMP E.4 Review of BMP Designs

Year 22: The Public Works/Engineering Department will identify structural and non-structural BMPs to be included into development guidelines. Village will maintain its review and enforcement of such plans for qualifying developments for Erosion and Sediment Control.

BMP E.5 Site Inspections

Year 22: Site inspections will begin for any qualifying developments that may be executed in 2024. This will include keeping track of any failed inspections requiring follow up of corrective actions.

BMP E.6 Post-Construction Site Inspections

Year 22: Inspections commence after final stabilization and landscaping, prior to removal of sediment controls. Proper overland flow and detention facility maintenance is inspected and confirmed compliant. Inspect final stages of development sites and confirm compliance with approved project design plans.

BMP F. Pollution Prevention/Good Housekeeping

BMP F.1 Employee Training

Year 22: Continually research and incorporate training information from other agencies and provide annual training of various topics to Public Works staff. Ex.: Spill prevention and response training / IDDE / Pollution Prevention and Stormwater Runoff topics.

BMP F.2 Inspection/ Maintenance Program

Year 22: Over 100 curb drains to be inspected, cleaned and if needed, repaired or replaced. Rodding will be completed on storm sewers. Inspect all village owned buildings and properties. The Public Works/Engineering Department will develop new procedures & make any necessary revisions to existing procedures to ensure design plans will reduce or eliminate the discharge of pollutants from Village owned facilities to the storm sewer system.

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BMP F.3, Municipal Operations Storm Water Controls

Year 22: During the course of 2024, goals will be adjusted as needed with regard to budget or for occurrences throughout the year within each Public Works Department: Fleet, Street, Tree, Water, Sewer, and Engineering. If funds are available, again over 100 tree plantings will again be planted in 2024, assisting in the reduction of soil erosion, increase interception of rainfall, & improve soils while increasing the Village Canopy.

BMP F.6 Other Municipal Operations Control

Year 22: Engineering studies are performed related to the Village streets, sewers, water main infrastructure, performing site inspections to verify code compliance, and advancing and maintaining the Village's Geographic Information System (GIS). Replacement of any damaged sewer covers. Aggressive street sweeping of all Village streets daily, per a weekly area schedule.

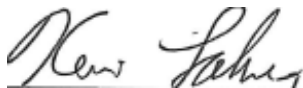
F.

Attach a list of construction projects that your entity has paid for during the reporting period.

The Construction projects in Permit Year 21 funded by the Village of Morton Grove and covered by General Permit ILR400391 are listed below:

No construction projects for 2023.
(Permit Year 22 is expected to have two projects.)

SIGNATURE:



DATE: MAY 30, 2024

Please submit inspection reports to: epa.ms4annualinsp@illinois.gov

**Illinois Environmental Protection Agency
Water Pollution Control
Compliance Assurance Section #19
1021 North Grand Avenue East
Post Office Box 19276
Springfield, Illinois 62794-9276**

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