



Illinois Environmental Protection Agency

Bureau of Water • 1021 N. Grand Avenue E. • P.O. Box 19276 • Springfield • Illinois • 62794-9276

Division of Water Pollution Control ANNUAL FACILITY INSPECTION REPORT

for NPDES Permit for Storm Water Discharges from Separate Storm Sewer Systems (MS4)

This fillable form may be completed online, a copy saved locally, printed and signed before it is submitted to the Compliance Assurance Section at the above address. Complete each section of this report.

Report Period: From March, 2019 To March, 2020

Permit No. ILR40 0210

MS4 OPERATOR INFORMATION: (As it appears on the current permit)

Name: Village of Hoffman Estates Mailing Address 1: 1900 Hassell Road
Mailing Address 2: _____ County: Cook
City: Hoffman Estates State: IL Zip: 60169 Telephone: 847-252-5800
Contact Person: Alan Wenderski, P.E. Email Address: alan.wenderski@hoffmanestates.org
(Person responsible for Annual Report)

Name(s) of governmental entity(ies) in which MS4 is located: (As it appears on the current permit)

Cook County Kane County

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 | <input checked="" type="checkbox"/> | 4. Construction Site Runoff Control | <input type="checkbox"/> |
| 2. Public Participation/Involvement | <input type="checkbox"/> | 5. Post-Construction Runoff Control | <input type="checkbox"/> |
| 3. Illicit Discharge Detection & Elimination | <input type="checkbox"/> | 6. Pollution Prevention/Good Housekeeping | <input type="checkbox"/> |

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.

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

D. Attach a summary of the storm water activities you plan to undertake during the next reporting cycle (including an implementation schedule.)

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

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

Any person who knowingly makes a false, fictitious, or fraudulent material statement, orally or in writing, to the Illinois EPA commits a Class 4 felony. A second or subsequent offense after conviction is a Class 3 felony. (415 ILCS 5/44(h))

Owner Signature:

Alan Wenderski

Printed Name:

5/4/2020

Date:

Village Engineer

Title:

EMAIL COMPLETED FORM TO: epa.ms4annualinsp@illinois.gov

or Mail to: ILLINOIS ENVIRONMENTAL PROTECTION AGENCY
WATER POLLUTION CONTROL
COMPLIANCE ASSURANCE SECTION #19
1021 NORTH GRAND AVENUE EAST
POST OFFICE BOX 19276
SPRINGFIELD, ILLINOIS 62794-9276

This Agency is authorized to require this information under Section 4 and Title X of the Environmental Protection Act (415 ILCS 5/4, 5/39). Failure to disclose this information may result in: a civil penalty of not to exceed \$50,000 for the violation and an additional civil penalty of not to exceed \$10,000 for each day during which the violation continues (415 ILCS 5/42) and may also prevent this form from being processed and could result in your application being denied. This form has been approved by the Forms Management Center.

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY

**ANNUAL FACILITY INSPECTION REPORT
FOR NPDES PERMIT FOR STORM WATER DISCHARGES FROM SEPARATE
STORM SEWER SYSTEMS (MS4)**

**Village of Hoffman Estates
Year 17: March 2019 – March 2020**

Section A. Changes to the Best Management Practices

There has been one change to the Best Management Practices (BMPs) from the six minimum control measures as submitted in the Notice of Intent (NOI) for the Village of Hoffman Estates for the reporting period from March 2019 to March 2020.

For A.4, Community Event, the Village was unable to host a community event to promote clean-up in areas to decrease the amount of wastes in the environment, enter the waterway and storm sewer system. Instead, a weekly sweep of high debris collection areas was enacted to help decrease environmental and stormwater pollution.

Section B. Status of Compliance with Permit Conditions

The Village of Hoffman Estates is committed to the implementation of the BMPs in order to meet the requirements of the NPDES Phase II Stormwater Program. The status or progress of most of the measurable goals have been met or exceeded. This is especially noted for all site development construction projects.

The Village of Hoffman Estates has implemented numerous Best Management Practices (BMPs) in compliance with the goals outlined in the Village's 2014 Notice of Intent (NOI). The following is a status report on each of the BMPs and the activities that were undertaken during the March 2019 to March 2020 reporting period. The status or progress summary for each of the measurable goals in the minimum six compliance areas is presented below.

1. Public Education and Outreach

a. BMP No. A.1 Distributed Paper Material

Measurable Goal(s): Publish one stormwater pollution prevention related article annually in the Village-wide newsletter.

Milestones: Year 17: Publish one stormwater pollution prevention related article annually.

BMP Status: The Village of Hoffman Estates publishes a newsletter that is mailed directly to residents and businesses in the Village. The Village

continued publishing stormwater quality articles within the newsletter during the March 2019 to March 2020 reporting period.

Two articles were published in May 2019 that were titled “Facts about Sanitary and Storm Sewers” and “Storm Sewer Infrastructure”, discussing water conservation tips and the efforts of the Village to keep debris and chemicals out of the storm sewer system with help from residents and businesses. Another article was published in May 2019, titled “Free Advice on Solving Drainage Concerns” that advertises the Village’s effort to help residents to solve their drainage problem properly without creating adverse stormwater pollution. An additional article was published in August 2019, titled “10 Facts about Storm Water” that supports the Village’s efforts to educate residents and businesses about stormwater quality. A new brief notice was published in November 2019, titled “Keep Leaves Off The Street”, informed residents and businesses about the Village’s Municipal Code not allowing yard waste to enter the storm sewer system, causing obstructions, and mentioned how to remove the yard waste properly.

The Village also maintains an electronic copy of its stormwater quality articles online on the Village of Hoffman Estates’ website.

b. BMP No. A.3 Public Service Announcement

Measurable Goal(s): Twice a year, announce residential and commercial waste and recycling management opportunities through the Village website and newsletter.

Milestones: Year 17: Twice a year, announce residential and commercial waste and recycling management opportunities.

BMP Status: The Village of Hoffman Estates publishes a newsletter that is mailed directly to residents and businesses in the Village. The Village continued publishing various notices of recycling and waste management opportunities for almost every month during the reporting period. For example, in April 2019, notices were published about an electronics recycling opportunity, that yard waste collection had resumed, and that Public Works was coordinating a spring branch pick up service. The August 2019 newsletter informed residents that the Village will be hosting a large recycling event to collect various electronics, expired drugs/sharps, CFL light bulbs, batteries, printer cartridges and latex paint and to introduce its first textile recycling opportunity. In December 2019 and January 2020, reminders were sent about recycling options for Christmas trees and holiday lights. These articles and many more

reminded readers of the proper disposal or recycling options of various items.

In 2019, due to the Village-wide notices about recycling opportunities, 1,680 pounds of holiday lights and compact fluorescent lamp (CFL) light bulbs were recycled, 68.2 tons of electronics were collected throughout the reporting period from April through November and an additional 8.97 tons of electronics were collected at the one-day recycling event in August 2019. For sharps and pharmaceuticals, 802 lbs. and 441 lbs. respectively, were collected throughout the reporting period along with 2,155 lbs. of batteries.

The Village of Hoffman Estates utilizes the services of the Solid Waste Agency of Northern Cook County (SWANCC) to accept household hazardous materials from Hoffman Estates residents and businesses. Various events occur throughout the reporting period that includes arranging for drop off events and supplying the location of permanent SWANCC facilities that accept the hazardous items.

The Village updates the Village website by posting copies of the newsletter and inserting information within the Sustainability Commission, Public Works, Transportation and Engineering and Code Enforcement pages for residents and business to access. Upcoming recycling events are announced on the Village's home page for all to see.

c. BMP No. A.4 Community Event

Measurable Goal(s): The Village Improvement Day will be held annually to help decrease environmental and stormwater pollution.

Milestones: Year 17: Continue to host Improvement Day annually.

BMP Status: The Village of Hoffman Estates Public Works Department conducts a weekly right-of-way check along major roadways in an effort to minimize illegal dumping and ensure that materials are disposed of correctly. This weekly debris check is conducted by department staff from a dedicated team. Debris is removed from rights-of-way and Village grounds at Village Hall, Hoffman Estates Police Department, Golf and Higgins Road, Roselle Road, Algonquin Road, and Huntington Boulevard. The Forestry team also collects refuse at mowing sites and debris that has gathered in areas snow-fenced by the Village.

At the Public Works Open House event held on November 2, 2019, a storm water brochure was distributed to attendees labeled, “After the Storm – A Citizen’s Guide to Understanding Stormwater” and a one called “Stream Maintenance” to inform attendees about the benefits of maintaining a clear stream to prevent flooding.

2. Public Participation/Involvement

a. **BMP No. B.1 Public Panel**

Measurable Goal(s): Hold one meeting every 18 months to discuss the NOI, MS4 annual inspection report, the Village's Storm Water Management Plan and stormwater related activities and projects.

Milestones: Year 17: The Storm Water Management Committee will meet as needed.

BMP Status: The Storm Water Management Committee received an Update memorandum highlighting various topics on August 29, 2019 to keep them informed about the Annual Drainage Improvement Project List and Village Drainage Policy, and the new notice from the Illinois State Water Survey, called the Frequency Distributions of Heavy Precipitation in Illinois: Updated Bulletin 70, March 2019. Additionally, the memorandum provided more information about the Metropolitan Water Reclamation District of Greater Chicago (MWRDGC) Watershed Management Ordinance (WMO) - May 16, 2019 amendment and discussed the NPDES permit and Stormwater Management Plan, Village Drainage Policy, and various Village-wide storm sewer improvement projects.

b. **BMP No. B.7 Other Public Involvement**

Measurable Goal(s): The Village will inform the residents and businesses twice a year of the existence of a contact number to report stormwater related issues.

Milestones: Year 17: Inform residents and businesses of the existence of a contact number.

BMP Status: The Village of Hoffman Estates publishes a newsletter that is mailed directly to residents and businesses in the Village. The Village publishes a contact number to report illegal dumping or spills within its stormwater quality articles located in the newsletter during the March 2019 to March 2020 reporting period.

Three articles were published during this reporting period that requested the residents and businesses help in keeping stormwater pollution at a minimum and how to report any issues. Two of those articles were published in May 2019 that were titled “Facts about Sanitary and Storm Sewers” and “Storm Sewer Infrastructure”, discussing the efforts of the Village to keep debris and chemicals out of the storm sewer system with help from residents and businesses. The third article was published in August 2019, titled “10 Facts about Storm Water” that support the Village’s efforts to educate residents and businesses about stormwater quality.

The Village also maintains an electronic copy of its stormwater quality articles online on the Village of Hoffman Estates’ website. The Village of Hoffman Estates Public Works Department also has a webpage outlining its storm sewer maintenance responsibilities where readers are encouraged use the contact number to report any violations or contaminants.

3. Illicit Discharge Detection and Elimination

a. **BMP No. C.1 Storm Sewer Map Preparation**

Measurable Goal(s): Annually review the storm sewer map with respect to Village projects and new developments that have occurred and update as needed.

Milestones: Year 17: Review the storm sewer map and update as needed.

BMP Status: The Village of Hoffman Estates has an existing storm sewer map that is updated routinely in the Village’s GIS system. Both Public Works and GIS employees monitor, maintain and verify the storm sewer system map. The GIS map allows detailed information to be incorporated into the drawings of each pipeline, structure and outfall. As-built information is collected and entered for all completed site development and other Village projects.

b. **BMP No. C.2 Regulatory Control Program**

Measurable Goal(s): Enforce the Village Code to regulate discharges into the storm sewer system.

Milestones: Year 17: Continue to enforce the Village Code for illicit discharges.

BMP Status: The Village of Hoffman Estates continues to enforce its Village Code that prohibits non-stormwater discharges into its storm sewer system.

c. BMP No. C.3/C.7 Detection/Elimination Prioritization Plan

Measurable Goal(s): Continually inspect and monitor outfalls and discharges for the detection and elimination of illicit discharges.

Milestones: Year 17: Continue to inspect and monitor for illicit discharges.

BMP Status: The Village Public Works Department preforms a monthly inspection of all outfalls and creek lines to monitor any illicit discharge. Inspection results are recorded and maintained for historical reference.

The Public Works Department cleaned over 80 catch basins and cleaned approximately 4,175 feet of the Parcel A, Salt Creek West Branch and approximately 1,087 feet of Poplar Creek East Branch along Pembroke Avenue during the reporting period.

d. BMP No. C.9 Public Notification

Measurable Goal(s): The Village will inform the residents and businesses annually of the existence of a contact number to report illegal dumping or illicit discharges.

Milestones: Year 17: Inform residents and businesses of the existence of a contact number.

BMP Status: Through published Village-wide newsletter articles, Facebook and Twitter pages, and the Village website about storm water quality, the public is encouraged to report any deficiencies, blockages or illicit discharges directly to Public Works or the Police non-emergency number. Homeowners are encouraged to report any possible code violations and/or contaminants that may be or have been dumped down a storm sewer catch basin inlet or creek line.

e. BMP No. C.10 Other Illicit Discharge Controls

Measurable Goal(s): Annually review the streets considered for construction in the Street Project and indicate on the plans which inlet structures are to receive stenciled (or equivalent) messages.

Milestones: Year 17: Continue program to stencil inlets within the Street Project.

BMP Status: The Village's street construction project requires that all new storm drain grates shall be Neenah R-3278-A, with barred style curb box that shows "DUMP NO WASTE DRAINS TO WATERWAY"

lettering on the grate, or an approved equivalent grate for Type B6.12 and Neenah R-3501-P for M3.12 curb and gutter. For the 2019 Street Revitalization Project, 24 new B6.12 frame and grates and 15 new M3.12 frame and grates, for a total of 39, were installed at various street locations.

4. Construction Site Runoff Control

- a. **BMP No. D.1/D.2/D.4/D.6 Regulatory Control Program, Erosion and Sediment Control BMPs, Site Plan Review Procedures, Site Inspection/Enforcement Procedures**

Measurable Goal(s): Continually enforce the Village Code and the Engineering Development Standards Manual by requiring erosion and sediment control BMPs and inspecting construction sites.

Milestones: Year 17: Review site plans for appropriate BMPs, inspect construction sites for proper installation and maintenance of the BMPs, and respond to complaints.

BMP Status: The Village requires erosion and sediment control BMPs for all projects. The Village reviews site plans and inspects construction sites to ensure conformance with the Village Ordinance. Per Ordinance 10-3-13, the Village requires erosion and sediment control BMP designs prior to construction. The Village reviews the ESC plans for approval.

5. Post-Construction Runoff Control

- a. **BMP No. E.2/E.3/E.4/E.5/E.6 Regulatory Control Program, Long Term O & M Procedures, Pre-Construction Review of BMP Designs, Site Inspections During Construction, Post-Construction Inspections**

Measurable Goal(s): Continually enforce the Village Code and the Engineering Development Standards Manual to prevent stormwater pollution resulting from post-construction runoff.

Milestones: Year 17: Review site plans for appropriate BMPs, inspect construction sites for substantial conformance with the approved site plans, and ensure long-term maintenance of the BMPs.

BMP Status: Per Ordinance 10-3-13, the Village requires erosion and sediment control BMP designs prior to construction. The Village reviews the ESC plans for approval. New detention basin designs and BMPs are incorporated depending on site conditions to lessen polluted runoff

from existing sites. Construction sites are inspected during and after construction for conformance and to facilitate in reducing polluted runoff.

6. Pollution Prevention/Good Housekeeping

a. **BMP No. F.1 Employee Training Program**

Measurable Goal(s): Annually provide Village employees with seminars or workshops for stormwater pollution prevention for municipal operations and illicit discharge detection and elimination. Other training occurs less formally in an on-the-job fashion.

Milestones: Year 17: Continue stormwater pollution prevention training for Village employees.

BMP Status: The Village of Hoffman Estates Public Works Department currently conducts regular employee training including new employee orientation to prevent or reduce stormwater pollution from municipal activities. Employee training for material handling, storage, inspection and maintenance is also a component conducted by the Village in preventing or reducing stormwater pollution.

The Public Works Department conducted its annual Hazardous Material Awareness Training inclusive of MSDS review and GHS Hazard Information Training for all employees. In addition, annual staff training on winter road salt and deicing applications was completed before the snow season began.

The Village also participates in the DuPage River Salt Creek Workgroup (DRSCW) workshops, training, special meetings and educational activities for additional opportunities for training.

b. **BMP No. F.2 Inspection and Maintenance Program**

Measurable Goal(s): Continually inspect and maintain the storm sewer system.

Milestones: Year 17: Continue conducting formal inspection and maintenance.

BMP Status: The Village of Hoffman Estates Public Works Department has a formal Standard Operating Procedure in place for Drainage System Maintenance that is followed semi-annually or more frequently after a major storm event. Currently, the storm sewer inspection and maintenance program is conducted on various inlets and outfalls throughout the Village as noted on the inspection log. The regular

inspection and maintenance program is also designed to reduce pollutant runoff from municipal facilities and operations. Employee training for material handling, storage, inspection and maintenance is also a component conducted by the Village in preventing or reducing stormwater pollution.

c. BMP No. F.3 Municipal Operations Storm Water Control

Measurable Goal(s): Continue the street sweeping program. Continue offering curbside yard waste and leaf collection weekly from April through the end of November.

Milestones: Year 17: Continue current programs with the current schedule.

BMP Status: The Village of Hoffman Estates' Public Works Department oversees the street sweeping program which conducted four full sweeps in 2019; late spring and two fall/winter sweeps. Several partial sweeps were also completed in the spring and summer for special events.

The Village continues to offer curbside yard waste and leaf collection weekly from April to November through the Village's waste management provider. Spring and fall branch pick up is also offered by the Public Works Department. These services are advertised through the Village-wide newsletter.

Section C. Results of Information Collected/Analyzed/Monitoring

The Village of Hoffman Estates participates in the DuPage River Salt Creek Workgroup (DRSCW) and supports its water quality monitoring program, which meets the ILR40 permit objectives and requirements. The DRSCW reports containing monitoring data that was collected and analyzed, for Salt Creek, including reducing chloride impairments from deicing measures, can be reviewed under the attachment for Section C. The Village is also a member and participant of the Upper Salt Creek Watershed Planning Council with the Northwest Municipal Conference.

Various agencies have water quality monitoring data for Poplar Creek, including the Fox River Study Group (FRSG), Poplar Creek Watershed Planning Council, IEPA, Forest Preserves of Cook County, the Illinois State Water Survey and the Metropolitan Water Reclamation District of Chicago's Watershed Management Ordinance (WMO).

In accordance with ILR40 V.A.2.b.x, the FRSG satisfies the monitoring requirement for the portion of the community located within the Fox River Watershed, which includes Poplar Creek, a contributor to the Fox River Watershed. The FRSG has developed the Fox River Implementation Plan (FRIP) to take the place of a traditional TMDL for dissolved oxygen and nuisance algae in the Fox River. The FRSG directly coordinates with the IEPA on the efforts described in the FRIP.

The Village of Hoffman Estates is committed to participating in the FRSG and supporting its efforts and those developed by the Poplar Creek Watershed Planning Council through the Northwest Municipal Conference.

Section D. Summary of Planned Storm Water Activities During the Next Reporting Cycle

A summary of the stormwater activities planned by the Village of Hoffman Estates during the next reporting cycle is presented below:

1. Public Education and Outreach

a. BMP No. A.1 Distributed Paper Material

Measurable Goal(s): Publish one stormwater pollution prevention related article annually in the Village-wide newsletter.

Milestones: Year 18: Publish one stormwater pollution prevention related article annually.

b. BMP No. A.3 Public Service Announcement

Measurable Goal(s): Twice a year, announce residential and commercial waste and recycling management opportunities through the Village website and newsletter.

Milestones: Year 18: Twice a year, announce residential and commercial waste and recycling management opportunities.

c. BMP No. A.4 Community Event

Measurable Goal(s): The Village Improvement Day will be held annually to help decrease environmental and stormwater pollution.

Milestones: Year 18: Continue to host Improvement Day annually.

2. Public Participation/Involvement

a. BMP No. B.1 Public Panel

Measurable Goal(s): Hold one meeting annually to discuss the NOI, MS4 annual inspection report, the Village's Storm Water Management Plan and stormwater related activities and projects.

Milestones: Year 18: The Storm Water Management Committee will meet.

b. BMP No. B.7 Other Public Involvement

Measurable Goal(s): The Village will inform the residents and businesses twice a year of the existence of a contact number to report stormwater related issues.

Milestones: Year 18: Inform residents and businesses of the existence of a contact number.

3. Illicit Discharge Detection and Elimination

a. **BMP No. C.1 Storm Sewer Map Preparation**

Measurable Goal(s): Annually review the storm sewer map with respect to Village projects and new developments that have occurred and update as needed.

Milestones: Year 18: Review the storm sewer map and update as needed.

b. **BMP No. C.2 Regulatory Control Program**

Measurable Goal(s): Enforce the Village Code to regulate discharges into the storm sewer system.

Milestones: Year 18: Continue to enforce the Village Code for illicit discharges.

c. **BMP No. C.3 Detection/Elimination Prioritization Plan**

Measurable Goal(s): Continually inspect and monitor outfalls and discharges for the detection and elimination of illicit discharges.

Milestones: Year 18: Continue to inspect and monitor for illicit discharges.

d. **BMP No. C.7 Visual Dry Weather Screening**

Measurable Goal(s): Continually inspect and monitor outfalls and discharges for the detection and elimination of illicit discharges.

Milestones: Year 18: Continue to inspect and monitor for illicit discharges.

e. **BMP No. C.9 Public Notification**

Measurable Goal(s): The Village will inform the residents and businesses annually of the existence of a contact number to report illegal dumping or illicit discharges.

Milestones: Year 18: Inform residents and businesses of the existence of a contact number.

f. BMP No. C.10 Other Illicit Discharge Controls

Measurable Goal(s): Annually review the streets considered for construction in the Street Project and indicate on the plans which inlet structures are to receive stenciled (or equivalent) messages.

Milestones: Year 18: Continue program to stencil inlets (and/or equivalent, by replacing frame and grates) within the Street Project.

4. Construction Site Runoff Control

a. BMP No. D.1 Regulatory Control Program

Measurable Goal(s): Continually enforce the Village Code and the Engineering Development Standards Manual by requiring erosion and sediment control BMPs and inspecting construction sites.

Milestones: Year 18: Review site plans for appropriate BMPs, inspect construction sites for proper installation and maintenance of the BMPs, and respond to complaints.

b. BMP No. D.2 Erosion and Sediment Control BMPs

Measurable Goal(s): Continually enforce the Village Code and the Engineering Development Standards Manual by requiring erosion and sediment control BMPs and inspecting construction sites.

Milestones: Year 18: Review site plans for appropriate BMPs, inspect construction sites for proper installation and maintenance of the BMPs, and respond to complaints.

c. BMP No. D.4 Site Plan Review Procedures

Measurable Goal(s): Continually enforce the Village Code and the Engineering Development Standards Manual by requiring erosion and sediment control BMPs and inspecting construction sites.

Milestones: Year 18: Review site plans for appropriate BMPs, inspect construction sites for proper installation and maintenance of the BMPs, and respond to complaints.

d. BMP No. D.6 Site Inspection/Enforcement Procedures

Measurable Goal(s): Continually enforce the Village Code and the Engineering Development Standards Manual by requiring erosion and sediment control BMPs and inspecting construction sites.

Milestones: Year 18: Review site plans for appropriate BMPs, inspect construction sites for proper installation and maintenance of the BMPs, and respond to complaints.

5. Post-Construction Runoff Control

a. **BMP No. E.2 Regulatory Control Program**

Measurable Goal(s): Continually enforce the Village Code and the Engineering Development Standards Manual to prevent stormwater pollution resulting from post-construction runoff.

Milestones: Year 18: Review site plans for appropriate BMPs, inspect construction sites for substantial conformance with the approved site plans, and ensure long-term maintenance of the BMPs.

b. **BMP No. E.3 Long Term O & M Procedures**

Measurable Goal(s): Continually enforce the Village Code and the Engineering Development Standards Manual to prevent stormwater pollution resulting from post-construction runoff.

Milestones: Year 18: Review site plans for appropriate BMPs, inspect construction sites for substantial conformance with the approved site plans, and ensure long-term maintenance of the BMPs.

c. **BMP No. E.4 Pre-Construction Review of BMP Designs**

Measurable Goal(s): Continually enforce the Village Code and the Engineering Development Standards Manual to prevent stormwater pollution resulting from post-construction runoff.

Milestones: Year 18: Review site plans for appropriate BMPs, inspect construction sites for substantial conformance with the approved site plans, and ensure long-term maintenance of the BMPs.

d. **BMP No. E.5 Site Inspections During Construction**

Measurable Goal(s): Continually enforce the Village Code and the Engineering Development Standards Manual to prevent stormwater pollution resulting from post-construction runoff.

Milestones: Year 18: Review site plans for appropriate BMPs, inspect construction sites for substantial conformance with the approved site plans, and ensure long-term maintenance of the BMPs.

e. **BMP No. E.6 Post-Construction Inspections**

Measurable Goal(s): Continually enforce the Village Code and the Engineering Development Standards Manual to prevent stormwater pollution resulting from post-construction runoff.

Milestones: Year 18: Review site plans for appropriate BMPs, inspect construction sites for substantial conformance with the approved site plans, and ensure long-term maintenance of the BMPs.

6. Pollution Prevention/Good Housekeeping

a. **BMP No. F.1 Employee Training Program**

Measurable Goal(s): Annually provide Village employees with seminars or workshops for stormwater pollution prevention for municipal operations and illicit discharge detection and elimination. Other training occurs less formally in an on-the-job fashion.

Milestones: Year 18: Continue stormwater pollution prevention training for Village employees.

b. **BMP No. F.2 Inspection and Maintenance Program**

Measurable Goal(s): Continually inspect and maintain the storm sewer system.

Milestones: Year 18: Continue conducting formal inspection and maintenance.

c. **BMP No. F.3 Municipal Operations Storm Water Control**

Measurable Goal(s): Continue the street sweeping program. Continue offering curbside yard waste and leaf collection weekly from April through the end of November.

Milestones: Year 18: Continue current programs with the current schedule.

Section E. Notice of Qualifying Local Program

The Village of Hoffman Estates is relying on the Metropolitan Water Reclamation District of Chicago to enforce the Cook County Watershed Management Ordinance.

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

Construction projects in Permit Year 17 funded by the Village of Hoffman Estates and covered by General Permit ILR400210 are listed below:

- 2019 Street Revitalization Project
- 2019 Drainage Improvements Project
- 2019 Contract Street Sweeping Program
- 2019 Pavement Maintenance Project
- Stonegate Pond Restoration Project
- Annual Creek Cleaning Project
- 2019 Sanitary Sewer Rehabilitation Program
- Miscellaneous Sanitary Sewer Projects
- Miscellaneous Street Rehabilitation Program

**ATTACHMENT
FOR
BMP A.1**

Sample Article

Hoffman Estates Citizen

May 2019

News from the Village of Hoffman Estates

Stormwater Pollution Prevention Articles (see red box & pg 10)

Barrington Road interchange project wins prestigious award

The Barrington Road interchange project, located along the Jane Addams Memorial Tollway (I-90) in the Village of Hoffman Estates, recently received a noteworthy distinction from a statewide business association of engineering professionals.



Village Manager Jim Norris (right) and Director of Transportation and Engineering Mike Hankey (left) with the Lincoln's Grand Conceptor Award.

The American Council of Engineering Consultants (ACEC)-Illinois held their 2019 Engineering Excellence Awards in early March, and the Village was invited as an Honor Award winner. Honor Awards are given for exceptional engineering projects that meet the needs of customers and benefit the public welfare.

At the awards dinner, the Barrington Road interchange project also took home the top honor of the night – the Lincoln's Grand Conceptor Award. This award is the most prestigious honor given by the organization, as it recognizes an engineering achievement that demonstrates a high degree

of merit, is original and innovative, adds future value to the engineering profession, has economic and sustainable design considerations, demonstrates complexity, and exceeds owner/client needs.

Village Manager Jim Norris and Director of Transportation and Engineering Mike Hankey, along with Crawford, Murphy and Tilly, the Illinois Department of Transportation (IDOT), the Illinois State Toll Highway Authority, and Pace Bus, accepted the Lincoln's Grand Conceptor Award.

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Community briefs

Memorial Day observance

The Village Hall will be closed on Saturday, May 25, and Monday, May 27.

Mother's Day Luncheon for senior citizens

Join the Commission for Senior Citizens for a rockin' and rollin' Mother's Day Luncheon on Wednesday, May 8, at noon (doors open at 11:30 a.m.) at the Village Hall. The cost to attend is \$8, which includes food and entertainment. The \$8 per person fee must be received before a reservation can be accepted. For more information, call Sue at 847-781-2606.



Reminder: summer concerts start soon

The Arts Commission's popular summer concert series at the Virginia Mary Hayter Village Green starts on Thursday, June 6, with R-Gang. There are eight free outdoor concerts this year. All performances begin at 7 p.m. The complete lineup of shows is available online at www.hoffmanestatesarts.com.

Watering ban reminder

The Village watering ban is in effect from May 15 to Oct. 1. All outside water use is banned between 11 a.m. and 5 p.m. This includes lawn sprinkling, washing cars, filling pools or any recreational use of hoses. The ban complies with state water conservation practices. Violators can receive a citation, which carries a \$50 fine for the first offense.



Save the date: Community Fishing Derby

The 24th annual Community Fishing Derby, sponsored by the Hoffman Estates Chamber of Commerce and Industry, will take place on Saturday, June 15, from 9 a.m. to 1 p.m. at South Ridge Lake, 1450 Freeman Road. Pre-registration is now available for \$5, or you can register at the event for \$8. For more information, visit www.hechamber.com.

Therapy Dog Thursday

Health and Human Services is hosting Therapy Dog Thursday on Thursday, May 30, from 5:30 p.m. to 7:30 p.m. at the Village Hall (south entrance). Therapy dogs and their owners from Therapy Dogs International will be on site providing comfort and education. For more information and to sign up, call 847-781-4850.



Groot discounted dumpster program

Doing a home project that requires a dumpster? Groot will offer residents discounted dumpsters in May and June. Visit the Village website for more information. Note that the use of dumpster bags that can be purchased in hardware stores is not allowed due to their incompatibility with Groot's collection equipment. By contract, only Groot waste receptacles are allowed in Hoffman Estates. To reserve your dumpster, call Groot at 800-244-1977.

Memorial Day garbage collection delayed

Garbage, recycling and yard waste collection will be delayed one day in observance of the Memorial Day holiday. Monday collection will be on Tuesday, May 28, and Wednesday collection will be on Thursday, May 30.

Branch pickup continues through May

The Village's free curbside tree branch pickup program continues through Friday, May 17. Visit www.hoffmanestates.org/forestry for a map and the dates of pickup listed for your neighborhood. On the first date of your pickup neatly stack branches at your curbside by 7 a.m. Do not tie branches in bundles or place in any container. Remember to keep branches clear of trees, mailboxes, signs and streetlight poles. Also, please avoid parking cars next to branch piles as the equipment used for pickup needs to have clear, open access. For more information, call 847-490-6800.



Reminder: history of Provence, France

The Sister Cities Commission is hosting, "Marseille – a City in Provence, France," on Saturday, May 18, at 1 p.m. at the Village Hall. Buy your tickets before May 10! For more information, call Sue at 847-781-2606.

Storm sewer infrastructure

The Public Works Department is responsible for the maintenance and repair of all Village-owned storm sewers. Monthly inspections are performed on drainage ways and lake/pond outfall lines to reduce the risk of flooding. You can help by keeping storm sewer inlets free of obstructions. If you see leaves, paper, branches or ice obstructing an inlet, remove the items so water from the street can flow unobstructed. Call Public Works to report any inlet that is not draining or causing a large volume of water to collect on the street. If any settlement is noticed around the structure, it may indicate a collapsed sewer or other problem that needs to be corrected. If you observe these conditions or have a question, call 847-490-6800. Working together, we can keep the Village's storm sewer infrastructure working at peak efficiency.

Alice 3.0 animation class for kids

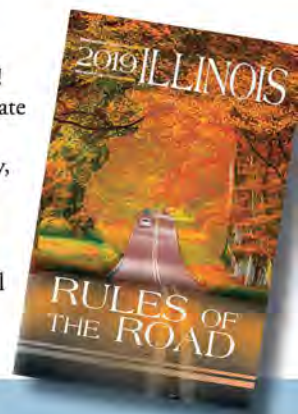
The Youth Commission is pleased to offer an introduction to Alice 3.0, a free animation program designed to teach children the basics of computer programming in a fun and creative way. The class will be held on Saturday, May 18, from 10 a.m. to noon at the Village Hall. Space is limited to 10 students per class, so email sue.lessen@hoffmanestates.org to reserve your child's seat. A parent is required to stay for the entire class. More information on Alice 3.0 can be found at www.alice.org.

Game night for residents with disabilities

The Commission for People with Disabilities is hosting a carnival game night for adults with disabilities 14 and older on Friday, May 3, from 6:30 p.m. to 8:30 p.m. at the Village Hall. Admission is free! Pizza will be served for \$2 a slice, and lemonade is complimentary. Meet some new friends! For more information, email comdiscitz@gmail.com.

Rules of the Road

Refresh your driving skills! The Illinois Secretary of State is hosting a free "Rules of the Road" class on Tuesday, May 7, from 1:30 p.m. to 3:30 p.m. at the Village Hall. Review safe driving techniques! To register, call Sue at 847-781-2606.



Facts about sanitary and storm sewers

Anything poured down a drain goes to a wastewater treatment plant, right? **WRONG!** It's important to understand the difference between a sanitary sewer and a storm sewer. Knowing this distinction can prevent environmental damage and ensure that water taken from natural sources is safe to use and drink.

The **sanitary sewer** is a system of underground pipes that carries waste water from bathrooms, kitchens and other plumbing components to a treatment plant. There, it is treated and filtered, and then put back into the creek system.

The **storm sewer** is a drainage system designed to carry rainfall and other water runoff, but not waste water. The runoff is carried in underground pipes or open ditches, and then discharged (untreated) into Poplar Creek or Salt Creek. The inlets that drain into this system are on the street and other low-lying outdoor areas.



Water (both surface and subsurface) from Hoffman Estates drains into Poplar Creek or Salt Creek, which flow into the Fox River and Des Plaines River, respectively, with both eventually reaching the Mississippi River. Water may pick up pollutants along the way, which are never treated in a natural environment.

Disposal of chemicals or hazardous substances via the storm sewer system is not only illegal, it also damages the environment. Pollutants that get into storm drains can affect your drinking water supply and poison fish, birds and other wildlife. In addition, silt, litter and organic matter (branches, clippings, etc.) can clog storm drains and cause flooding.

You can help by taking these simple steps:

- Don't pour ANYTHING in storm sewer drains
- Keep drains clear of leaves and lawn litter
- Scoop up after your pet and throw it in the trash
- Don't pour paint or oils down any sink or drain
- Clean up spills – DON'T wash them into drains
- Minimize use of pesticides and herbicides

Report illegal dumping or spills by calling the Public Works Department at 847-490-6800 or, in the case of an emergency, dial 911.

Free advice on solving drainage concerns

If you have a drainage problem or standing water on your property, the Village's Transportation and Engineering Division is available to assist you with technical advice.

Standing water is a nuisance and will continue to worsen if not addressed. Most drainage problems grow over time from ground settlement and heaving from freeze-thaw cycles.

The grading of most yards should have the ground sloping or draining away from the house and toward the side, front or backyard swale. Ground settlement along the foundation should be addressed on an annual basis to always maintain slope away from the house. Downspouts and sump pump discharges should be extended several feet from the house, with water flow directed to a drainage swale. Downspouts and sump pump discharges must be at least three feet from the property line.

Over time, side and backyard swales may become less efficient due to settlement and erosion, and they can commonly become blocked by gardens, sheds, swing sets or

landscaping features. Solid fences should be installed above ground level to allow for drainage underneath. Upstream areas must be allowed to drain freely, and drainage paths cannot be blocked or obstructed. Improper grade changes may affect drainage patterns on your lot and could result in standing water problems for you and your neighbors.

Grading and other drainage improvements require a permit to ensure your issue is being addressed and that neighboring properties are not adversely impacted. Village staff can offer advice for residents to consider how to proceed.

If you would like to take advantage of the free drainage investigation service, click the "I Want To..." button on Village website, then click "Make a Request" and select "Drainage Issues." You can also contact Alan Wenderski by phone at 847-252-5802 or by email at alan.wenderski@hoffmanestates.org. Note that demand can be very high in the spring and early summer, so allow for a few weeks to schedule the drainage investigation.

Get to know ... the Arts Commission

What is the history of the commission?

The Arts Commission was founded by former Village Mayor and Clerk Virginia Hayter, inspired by her visit to the Village's Sister City of Angoulême, France. Since its inception in 1997, the commission's mission has been to offer arts enrichment to the community and its visitors through a variety of experiences and media.

What types of events does the commission host?

The flagship event is the award-winning Summer Sounds on the Green outdoor concert series, held on Thursday evenings during the summer at 7 p.m. at the Village Green, located adjacent to the Sears Centre Arena. The commission also maintains the community art gallery in the Village Hall lobby, showcasing the work of local artists and students. The commission presents theatrical performances, photography workshops and a Victorian high tea, as well as an outdoor children's entertainment series co-sponsored by the Hoffman Estates Park District.

Is the commission looking for new members?

The Arts Commission currently has two open positions. The only requirement is a fondness for the arts and a passion to bring varied experiences to residents. Additionally, the commission is always looking for artists to display their work in the art gallery.

Visit www.hoffmanestatesarts.com to learn more about the Arts Commission, or stop by one of their monthly meetings on the fourth Tuesday of the month at 7 p.m. at the Village Hall.

Call 847-781-2606 for more information.



Student artists gather for a picture at last year's art gallery reception at the Village Hall.

Photo courtesy Mona S. Morrison

Hoffman Estates Citizen

August 2019

News from the Village of Hoffman Estates

Stormwater Pollution Prevention article (see red box)

Textile recycling to kick off at Aug. 17 recycling event

Don't know what to do with unwanted textiles and small household items that can no longer be used? Bring them to the Village's annual recycling event on Saturday, Aug. 17!

Beginning after Labor Day, Hoffman Estates residents will be able to recycle old textiles and small household goods simply by bagging them and leaving them at the curb on their regular recycling day. This free, weekly program, operated in partnership with Simple Recycling, offers a convenience to residents while keeping textiles and household items out of the landfill.

Check your mailbox in the coming weeks for informational mailers from Simple Recycling, including the free bags residents can use for curbside collection. When a full bag is collected, two new bags will be left in its place. It's that easy, and it's free! Accepted items include new or used clothing, boots and shoes, belts and ties, handbags, hats and gloves, toys, towels, sheets and

blankets, small kitchen appliances, and more. Residents are still encouraged to donate usable items to charity.

Hoffman Estates' annual recycling drop-off and document destruction event will take place **Saturday, Aug. 17, from 9 a.m. to 1 p.m.** Due to high participation, residents are advised to arrive early at the Susan H. Kenley-Rupnow Public Works Center, 2305 Pembroke Ave. The event will conclude promptly at 1 p.m. Simply drive to the Public Works Center and workers will unload the recyclables from your car!

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Fourth of July parade and contest winners

Parade entry winners

- **Mayor's Cup:** Hoffman Estates Park District
- **Parade Theme:** Schaumburg Township District Library
- **Patriotic:** VFW Post 2202
- **Group:** Bringing Out Talent Dance Company
- **Junior Marchers:** Proviso West High School Marching Band
- **Senior Color Guard:** Hoffman Estates Police Department Color Guard and Hoffman Estates Fire Department Color Guard
- **Dance/Specialty:** Hoffman Estates Park District STARS Dance Company
- **Antique Auto:** Jon Boyes – Classic and Antique Autos
- **Unusual:** Sam the Wheeler and Group
- **Youth Entry:** Hoffman Estates High School Marching Band



Diaper derby winners

- **First place:** Scarlett Prisha Minz, 10 months old
- **Second place:** Noah Santilli, 11 months old
- **Third place:** Hana Gutierrez, 10 months old

Pie-eating contest winners

- **First place:** Brandon Young
- **Second place:** Don Bavester
- **Third place:** Bill Kindelin

Rubber chicken toss contest winners

- **Ages 5 to 6:** Santiago Kibby and Sam Yurtha
- **Ages 7 to 9:** Esat Erdal, Theodore Lach and Meera Patel
- **Ages 10 to 12:** Campbell Cole



Stormwater Pollution Prevention

Ten facts about storm water

1. Storm sewers are designed to collect rainwater runoff, only.
2. Water entering the storm sewer system is not treated before moving into downstream waterways (ponds, creeks, wetlands, etc.).
3. Sump pumps that collect surface water, or ground water from the house perimeter, discharge into the storm sewer through surface runoff or a direct pipe connection.
4. All interior house drains, including floor drains and ejector pump discharges, do not enter the storm sewer system. They enter a separate sanitary sewer system that flows to a water treatment plant before being released into downstream waterways.
5. Dumping of any pollutants or waste into a storm sewer is never permitted and can pollute downstream waterways.
6. All open grated drains that collect surface water are part of the storm sewer system.
7. Runoff may become polluted as it runs along roads, parking lots, roofs, lawns and construction sites.
8. Runoff may contain pollutants, such as automotive fluids, fertilizers and pesticides, leaves, sediment, litter, and pet waste.
9. Please do your part to keep storm water clean! Everyone can help reduce the amount of pollution carried in storm water.
10. Report illegal dumping or spills by calling the Public Works Department at 847-490-6800 or the police non-emergency number at 847-882-1818 after 4 p.m. or on weekends.



Show your pride with a 60th anniversary T-shirt

Hoffman Estates is turning 60 in 2019! The official celebration takes place in September, but you can start the party today by purchasing a special, limited-edition 60th anniversary T-shirt. Commemorative T-shirts are \$8 or \$10, depending on size, and can be purchased at the Village Hall.

And don't forget to save the date for Saturday, Sept. 21, from 11:30 a.m. to 4 p.m. at the Sears Centre Arena. Join your neighbors for this free birthday celebration with kids' games, food, beverages, live music, prizes, a silent auction and much more!

Finally, there's still time to participate in the 60th anniversary bag game fundraiser. For \$50 (tax deductible), you can decorate a bag game with the "Happiest in Hoffman Estates" theme. Return your decorated game to the Village Hall by Thursday, Aug. 15, and it will be auctioned off for charity at the Sept. 21 celebration.

Stop by the Village Clerk's office to pick up your T-shirt today! To purchase a bag game to decorate, email Sue at sue.lessen@hoffmanestates.org. For more information on the 60th anniversary festivities, call Sue at 847-781-2606.



ATTACHMENT
FOR
BMP A.3

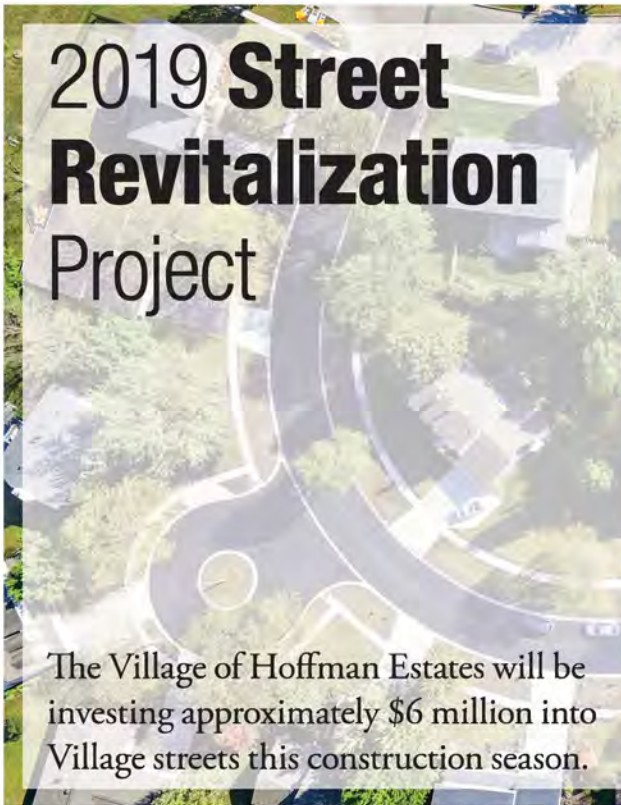
Sample Articles

Hoffman Estates Citizen

April 2019

News from the Village of Hoffman Estates

Recycling & Waste Management articles (see red boxes)



2019 Street Revitalization Project

The Village of Hoffman Estates will be investing approximately \$6 million into Village streets this construction season.



These infrastructure investments will benefit residents and businesses by improving neighborhoods with safe and serviceable streets for years to come.

The 2019 Street Revitalization Project will include the reconstruction of four streets and the resurfacing of 29 streets and one bike path.

Work is expected to begin in May and be completed by the end of November. Reconstruction involves the complete removal of the street and the installation of new base, asphalt pavement, curb and gutter, driveway aprons, and sidewalk

repairs. Resurfacing involves removing the top wearing surface of the street and replacing it with new asphalt, along with minor curb, gutter and sidewalk work.

Information packets will be mailed to all residents living on those streets being rehabilitated before work begins. An open house will be held on Thursday, May 2, from 6:30 p.m. to 7:30 p.m. at the Village Hall. The meeting provides an opportunity to learn what to expect during construction.

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Growing to Greenness!

Electronics Recycling Drop-off Program resumes

April through November only; closed during severe weather

Electronic items are banned from Illinois landfills. To assist with collecting old electronics and to ensure environmentally safe recycling of these materials, the Village and the Solid Waste Agency of Northern Cook County (SWANCC) are resuming a weekly drop-off collection program starting **Monday, April 1**. There is no charge for this service, but all recycling must come from households.

Village Hall (follow the signs)
1900 Hassell Road
Mondays: 10 a.m. to noon

SWANCC has made changes to this year's program. Visit www.swancc.org for a full list of acceptable items.

Residents from all SWANCC communities are eligible to participate; IDs will be checked. Do not drop off electronics outside of posted dates and times. Remove electronics from packaging and boxes prior to drop-off. Thank you for your cooperation!

Visit www.hoffmanestates.org/garbage for more information about recycling and waste collection.



Earth Day celebration

Join the Sustainability Commission at the Village Hall on Saturday, April 20, to celebrate Earth Day! Learn how to power your home with solar energy at 1 p.m., and head out to the parking lot to shred and recycle documents from noon to 3 p.m. Visit the Village website for more information!

Historian's notebook

By Pat Barch, Hoffman Estates Village Historian

The back and forth court fights to annex land for the expansion of Hoffman Estates seemed to occupy the first five years of the Village's history.

Between 1962 and 1964, a story unfolded that I refer to as, "The Topsy Turvy Howie in the Hills Development." The Howie in the Hills property was located on the south side of Palatine Road, about where the Jewel is now.

Believing that the land planned for the Howie in the Hills development would be annexed by Hoffman Estates in September 1962, the project moved forward with all the appropriate approvals needed from the Village Board. Concrete foundations were poured and plans were progressing for a sewer system.

As you may recall from last month's column, South Barrington, Barrington Hills and Inverness, who believed that

land across the tollway could not be annexed, filed lawsuits against Hoffman Estates. The settlements took the land away from Hoffman Estates and placed the Howie in the Hills subdivision under Cook County's control. According to Cook County rules, only eight of the 10 foundations that had already been poured met with the county's building requirements.

Sewer system plans stalled as well. Howie in the Hills intended to build a sewage treatment plant for its proposed homes, but Inverness and Palatine objected to the proposal, concerned that water from the plant might spill into Salt Creek. Additionally, the sanitary district did not have plans to expand and accept the Howie in the Hills development. Howie in the Hills' request for connections to the existing sanitary district sewer lines were voted down.

With all of the on-again, off-again changes to the Howie in the Hills development, the mounting costs for utility upgrades, lawyers, lawsuits and other expenses eventually took their toll. The final blow came when City Savings and Loan Association, which was handling the financing for the development, collapsed. The entire Howie in the Hills project was abandoned. Homes that had been built sat empty for years. Some said it looked like a ghost town.

It took close to 10 years to finally resolve the Howie in the Hills failure. The land eventually reverted back to Hoffman Estates' control, and Allister Construction purchased the land in order to build the Westbury subdivision.

Email Pat Barch at eagle2064@comcast.net.

Get to know ... the Historical Sites Commission

What is the history of the commission?

The Historical Sites Commission was formed in 1989 with the purpose of promoting and protecting Sunderlage House, the Sunderlage smokehouse and Greve Cemetery. The commission is especially thankful for the years of dedicated service of its late chairperson, Marilyn Lind, who was instrumental in the founding of the commission.

What types of events does the commission host?

In April and October, the commission sponsors a Greve Cemetery tour (more info on page 4!), which tells the stories of the interrelated families that settled in the 1840s along what is now Higgins Road. At the Sunderlage Open House, held every year in July, the community has an opportunity to tour the house and enjoy outdoor exhibits. The Teddy Bear Holiday Party, held every year in December, is a popular event for young children and their parents.

Is the commission looking for new members?

The commission welcomes new members and volunteers who are enthusiastic about history and would like to help at events. The public is always invited to attend the commission's monthly meetings on the second Tuesday of each month at 3 p.m. at Sunderlage House. The house is also available for small group rentals. Call 847-781-2606 for more information.



Community briefs

Coffee with the Board

The next Coffee with the Board is on Saturday, April 20, at 10 a.m. at the Village Hall. Ask questions and give comments to the Village of Hoffman Estates Board of Trustees.

Village to celebrate its diamond anniversary

The Village is turning 60! Save the date for a family picnic celebration at the Sears Centre Arena on Saturday, Sept. 21! More information coming soon!

Free Greve Cemetery tour

The Historical Sites Commission is offering a guided group tour of Greve Cemetery on Sunday, April 28, at 1 p.m., weather permitting. The free tour explores the interrelated pioneer families buried in the 19th century at the cemetery, who settled in the 1840s along what is now Higgins Road. Call Sue at 847-781-2606 for reservations starting Monday, April 15. Private small group tours are also available.



Reminder: Champion of Community award

The Commission for People with Disabilities is accepting nominations for the Champion of Community award until 5 p.m. on Monday, April 15. For details, call 847-781-4851 or email audra.marks@hoffmanestates.org.

Spring hydrant flushing begins soon

Annual hydrant flushing is scheduled to begin the week of April 1 between the hours of 8 a.m. and 2 p.m. This is a six-week program. Watch for signs advising of the exact days for your neighborhood. Hydrants are flushed to circulate fresh water. Tap water may be discolored in your immediate area during flushing.

Remove faucet screens and run water through the bathtub faucet for a few minutes to make sure it is clear before using. Also, be sure to check the water before washing clothes, as sediment may stain fabric. Most municipal water systems perform annual hydrant flushing to ensure continued delivery of a high-quality water supply.



Catherine the Great at the Village Hall

Meet Catherine the Great, Empress of Russia. The Arts Commission is proud to host historic performer Jenny Riddle as she brings this fascinating woman to life. This free dramatic presentation takes place on Wednesday, April 10, at 1 p.m. (doors open at 12:30 p.m.) at the Village Hall. "Catherine" has lots of secrets to tell about her dramatic rise to power, from a little-known German princess to her 34-year reign as Russia's ruler. Learn how Catherine's passion for learning, her ability to keep her cool and her enlightened philosophy made her one of the most successful women of all time. For more information, call Sue at 847-781-2606.



Therapy Dog Thursday

Health and Human Services is hosting Therapy Dog Thursday on Thursday, April 25, from 5:30 p.m. to 7:30 p.m. at the Village Hall (south entrance). Therapy dogs and their owners from Therapy Dogs International will be on site providing comfort and education. For more information and to sign up, call 847-781-4850.

Yard waste collection resumes April 1

Residents are reminded that grass clippings, plant material and leaves must be placed in brown paper yard waste bags. Bags cannot exceed 45 pounds and a yard waste disposal sticker must be affixed to each bag. Yard waste stickers are available online at both www.hoffmanestates.org/yardwaste and www.groot.com, at the Village Hall, and at local stores. An annual subscription for unlimited yard waste pickup is also available through Groot by calling 800-244-1977.

Alice 3.0 animation class for kids

The Youth Commission is pleased to offer an introduction to Alice 3.0, a free animation program designed to teach children the basics of computer programming in a fun and creative way. The class will be held on Saturday, April 27, from 10 a.m. to noon at the Village Hall. Space is limited to 10 students per class, so call 847-781-2606 to reserve your child's seat. A parent is required to stay for the duration of the class. Refreshments will be served.

'50s night for residents with disabilities

The Commission for People with Disabilities is hosting a 1950s-themed party for adults with disabilities 14 and older on Friday, April 5, from 6:30 p.m. to 8:30 p.m. at the Village Hall. Admission is free! For more information, email comdiscitz@gmail.com. Save the date: next month's social will take place on Friday, May 3.

April Luncheon for senior citizens

My kind of town! Join the Commission for Senior Citizens for their April Luncheon on Wednesday, April 17, at noon (doors open at 11:30 a.m.) at the Village Hall. Historian Jim Gibbons will be presenting on Chicago landmarks and the names behind them. The cost is \$8 per person, which includes food and entertainment. Seating is limited and reservations are required. For more information and to RSVP, call Sue at 847-781-2606.

Visible address numbers required

Address numbers are vital. First responders use them to locate homes and businesses when time is critical. The Village's Municipal Code requires that all buildings have address numbers that can be read from the street. Address numbers must be Arabic numerals that are at least four inches high with a minimum stroke width of one-half inch. Commercial buildings must also have addresses posted and visible on the rear door. Numbers that are written out as text are not acceptable. Make sure firefighters, police officers, code enforcement officers – even pizza delivery drivers – can find your home or business! For more information, call Code Enforcement at 847-781-2631.



Transition Summit – still time to register!

The Commission for Disabled Citizens is hosting a Transition Summit on Saturday, April 13, from 9 a.m. to 3 p.m. at the Village Hall. This year's event is on housing. Register online at www.ctc2019summit.eventbrite.com. Email connecttocommunityinc@gmail.com for more information.

Marseille – a city in France

The Sister Cities Commission presents, “Marseille – a City in Provence, France,” on Saturday, May 18, from 1 p.m. to 3 p.m. at the Village Hall.

Marseille, located on the Mediterranean Sea in the historical region of Provence, is the second largest city in France. Known to the ancient Greeks and Romans as Massalia, Marseille was an important European trading center and remains the main commercial port in France.

The Village is fortunate to have a Hoffman Estates resident and Sister Cities Commission member, Arnaud Monnier, present this program. Mr. Monnier was born in Montauban, France, and has lived in the cities of Toulouse and Marseille. Mr. Monnier invites you to learn how old city heritage can build a modern city of today – his city – Marseille.



Marseille at night

A highlight will be a sampling of some of the foods unique to Marseille and Provence, such as crevettes (shrimp) flambées au pastis, tomatoes à la Provençale, and calissons de Provence.

This event is limited to 30 attendees and reservations are required. Tickets are \$10. Reservations will be accepted starting Friday, April 5 (closing Friday, May 10). Call Sue at 847-781-2606 to reserve your spot today!

This is a program you won't want to miss! Join your neighbors to experience the history, culture and food of Marseille and Provence!

Spring branch pickup begins April 22

Hoffman Estates' free curbside spring tree branch pickup program begins on Monday, April 22. This program is for residents covered by the Village refuse collection contract.

Only one collection pass will be made for each street. Please do not ask for exceptions.

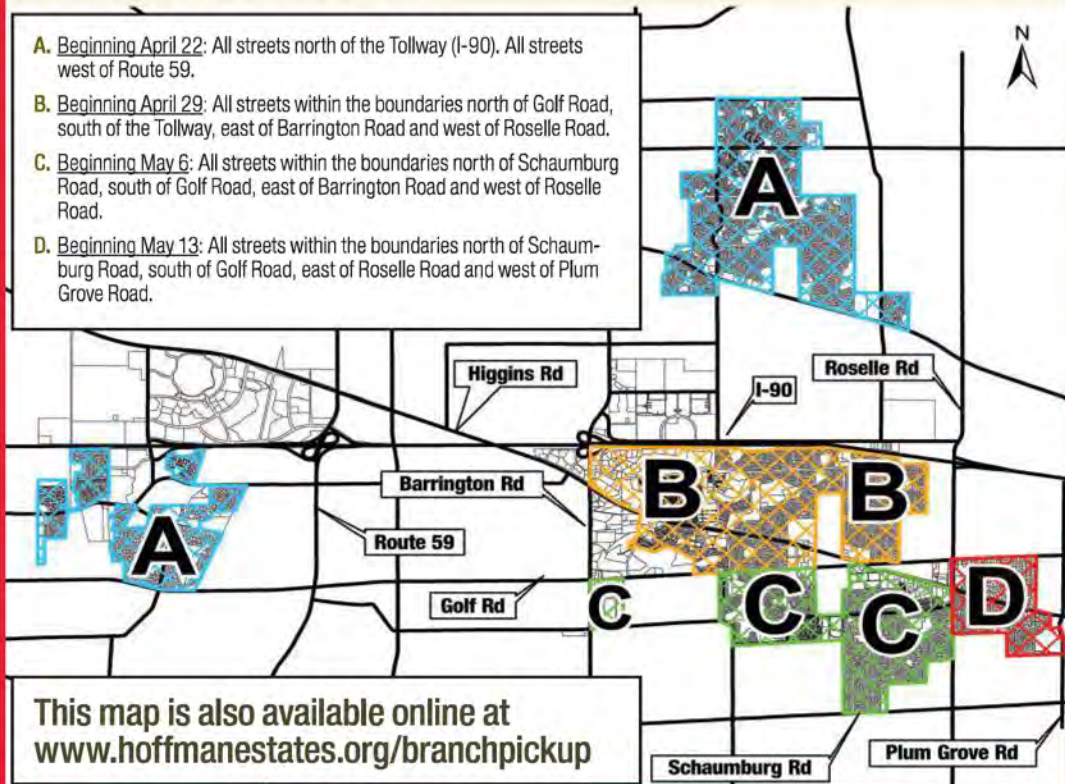
If branches are too large, are mixed with unacceptable materials or have not been prepared properly, they will **not** be picked up.

On the first date of pickup listed for your area, neatly stack branches at curbside by 7 a.m. Face the cut ends toward the street.

Do not tie branches in bundles or place in any container. Do not allow branches to protrude into the street or block sidewalks.

While supplies last, free woodchips will be available to residents at the Village's vehicle maintenance facility, 2405 Pembroke Ave., during daylight hours **after 3 p.m.**, Monday through Friday, and during daylight hours on weekends. Please bring your own containers.

If you have any questions or are interested in free large truckload deliveries of wood chips, call Public Works at 847-490-6800.



Bon Appétit food and drink fest returns!

The Hoffman Estates Chamber of Commerce is hosting the Bon Appétit Food and Drink Festival on Thursday, April 25, from 5 p.m. to 7:30 p.m. at the Stonegate Conference & Banquet Centre, 2401 W. Higgins Road. This culinary celebration features delicious cuisine from over 30 restaurants and distilleries. Guests will also judge cupcakes prepared by culinary students from Harper College. Early bird tickets are only \$25. Buy your tickets online at www.hechamber.com. For more information, call the Chamber of Commerce at 847-781-9100.

French pastry chef to visit Hoffman Estates

The Sister Cities Commission is pleased to welcome Sylvain Demarais from Angoulême, France, to Hoffman Estates from April 21 to April 26. Mssr. Demarais is a pastry chef and instructor at L'Amandier School near to Angoulême. Chef Demarais will prepare two French delicacies for you to enjoy at Bon Appétit on April 25. Meet Chef Demarais and taste his sweet treats!



Hoffman Estates Citizen

August 2019

News from the Village of Hoffman Estates

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Free recycling event

[continued from cover]

Sponsored by the Solid Waste Agency of Northern Cook County (SWANCC), residents of Hoffman Estates and other SWANCC-member communities are invited to drop off electronics, documents, medication, sharps, light bulbs, paint and more for recycling at this free, one-day event. Proof of residency is required. Materials will not be accepted from businesses, schools or non-SWANCC residents. If you cannot come to the Hoffman Estates recycling day, you may attend any SWANCC recycling event (proof of residency required). Visit www.swancc.org for more collection dates.

About paper

Only sensitive documents will be accepted, including medical records, bank statements and retired tax forms. Do not include magazines, greeting cards or newspapers, as these can be recycled curbside. Paper is cross-shredded on site. Residents are limited to six file-size boxes or grocery-size paper bags of documents. Plastic, metal clips and binders should be removed. **Do not bring paper in plastic bags.** Plastic is a contaminant, as are photos, slides and any non-paper item.

About electronics

Remove electronics from plastic packaging and boxes before the event. Accepted electronic items include:

- Cable and satellite receivers
- Cell phones, PDAs and tablets
- Computers (desktop and laptop) and computer equipment/components (e.g., cables, keyboards, monitors, mouse, etc.)
- Converter boxes
- Fax machines, printers and scanners
- MP3 players
- TVs
- Videogame consoles
- Video recorders/players

Items **NOT** accepted: air conditioners; batteries or battery back-ups; CDs, DVDs or VHS tapes; humidifiers/dehumidifiers; lamps; microwaves; refrigerators and other large home appliances; speakers; stereos; and vacuum cleaners.

Additional services

In addition, the Village will be accepting these items for recycling:

- Textiles and small household goods
- Expired drugs/sharps
- Fluorescent and compact fluorescent lamp (CFL) light bulbs
- Batteries
- Printer cartridges
- Eyeglasses
- American flags for retirement
- Latex (water-based) paint:
 - Quarts: \$2
 - One-gallon containers: \$4
 - Five-gallon buckets: \$10

NOTE: flammable materials and pressurized containers (e.g., spray paint cans) will not be accepted.

For more information about this recycling event and other sustainability programs, visit www.hoffmanestates.org/green.



A message from Mayor McLeod

On the heels of the Northwest Fourth-Fest and Fit America Fest comes National Night Out! The Hoffman Estates Police Department is planning a wonderful evening of family fun to celebrate this nationwide event. Join us at the police station, located at 411 W. Higgins Road, on Tuesday, Aug. 6, from 5 p.m. to 8 p.m. for food, drinks, music, a K-9 demonstration, a climbing wall, games and giveaways! Meet your neighbors and get a chance to talk with our dedicated officers. All are welcome!

Special Olympics is close to our collective hearts in Hoffman Estates, and our Police Department is heavily involved in supporting their mission through various community activities. On Saturday, Aug. 17, we invite you to join us for the Illinois Truck Convoy for Special Olympics at the Sears Centre Arena. This family-friendly event is perfect for kids and kids at heart. Big trucks and booming engines – what could be more exciting? The Truck Convoy kicks off at 8 a.m. Arrive early to see the trucks line up. For more information, visit www.soill.org/truck-convoy.



The 60th Anniversary Commission asks you to save the date for the largest picnic you've ever attended! This special celebration will be held at the Sears Centre Arena on Saturday, Sept. 21, and will feature games, food, music, giveaways and more. Bring the whole family and help us commemorate 60 years of living "Happiest in Hoffman Estates!" More information about this exciting event will be included on our website, the September issue of the Citizen, in our eNews and across social media. For more information, call 847-781-2606.

As always, don't hesitate to contact me with questions via email or phone at bill.mcleod@hoffmanestates.org or 847-781-2604.

Bill McLeod



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www.hoffmanestates.org/enews

ATTACHMENT
FOR
BMP A.4

Sample Brochures



After the Storm

For more information contact:

Village of Hoffman Estates

Public Works Department

2305 Pembroke Ave., Hoffman Estates, IL 60169

Report illegal dumping in storm sewers or creeks:

Call Public Works 847-490-6800 M-F 8am-4pm

Call Police Non-Emergency 847-882-1818 after
work hours and on weekends

Email: publicworks@hoffmanestates.org

or visit

www.epa.gov/npdes/stormwater

www.epa.gov/nps



EPA 833-B-03-002

January 2003

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*A Citizen's Guide to
Understanding Stormwater*



The effects of pollution



What is stormwater runoff?



Stormwater runoff occurs when precipitation from rain or snowmelt flows over the ground. Impervious surfaces like driveways, sidewalks, and streets prevent stormwater from naturally soaking into the ground.

Why is stormwater runoff a problem?



Stormwater can pick up debris, chemicals, dirt, and other pollutants and flow into a storm sewer system or directly to a lake, stream, river, wetland, or coastal water. Anything that enters a storm sewer system is discharged untreated into the waterbodies we use for swimming, fishing, and providing drinking water.

Polluted stormwater runoff can have many adverse effects on plants, fish, animals, and people.

- ◆ Sediment can cloud the water and make it difficult or impossible for aquatic plants to grow. Sediment also can destroy aquatic habitats.
- ◆ Excess nutrients can cause algae blooms. When algae die, they sink to the bottom and decompose in a process that removes oxygen from the water. Fish and other aquatic organisms can't exist in water with low dissolved oxygen levels.
- ◆ Bacteria and other pathogens can wash into swimming areas and create health hazards, often making beach closures necessary.
- ◆ Debris—plastic bags, six-pack rings, bottles, and cigarette butts—washed into waterbodies can choke, suffocate, or disable aquatic life like ducks, fish, turtles, and birds.
- ◆ Household hazardous wastes like insecticides, pesticides, paint, solvents, used motor oil, and other auto fluids can poison aquatic life. Land animals and people can become sick or die from eating diseased fish and shellfish or ingesting polluted water.



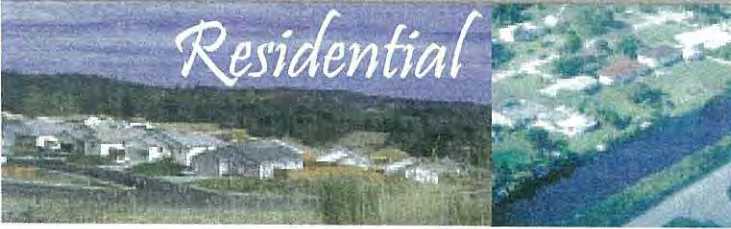
- ◆ Polluted stormwater often affects drinking water sources. This, in turn, can affect human health and increase drinking water treatment costs.



*** Open for Stormwater
Pollution Solutions**

Stormwater Pollution Solutions

Residential



Recycle or properly dispose of household products that contain chemicals, such as insecticides, pesticides, paint, solvents, and used motor oil and other auto fluids. Don't pour them onto the ground or into storm drains.

Lawn care

Excess fertilizers and pesticides applied to lawns and gardens wash off and pollute streams. In addition, yard clippings and leaves can wash into storm drains and contribute nutrients and organic matter to streams.



- ◆ Don't overwater your lawn. Consider using a soaker hose instead of a sprinkler.
- ◆ Use pesticides and fertilizers sparingly. When use is necessary, use these chemicals in the recommended amounts. Use organic mulch or safer pest control methods whenever possible.
- ◆ Compost or mulch yard waste. Don't leave it in the street or sweep it into storm drains or streams.
- ◆ Cover piles of dirt or mulch being used in landscaping projects.

Septic systems

Leaking and poorly maintained septic systems release nutrients and pathogens (bacteria and viruses) that can be picked up by stormwater and discharged into nearby waterbodies. Pathogens can cause public health problems and environmental concerns.



- ◆ Inspect your system every 3 years and pump your tank as necessary (every 3 to 5 years).
- ◆ Don't dispose of household hazardous waste in sinks or toilets.

Auto care

Washing your car and degreasing auto parts at home can send detergents and other contaminants through the storm sewer system. Dumping automotive fluids into storm drains has the same result as dumping the materials directly into a waterbody.



- ◆ Use a commercial car wash that treats or recycles its wastewater, or wash your car on your yard so the water infiltrates into the ground.
- ◆ Repair leaks and dispose of used auto fluids and batteries at designated drop-off or recycling locations.

Pet waste

Pet waste can be a major source of bacteria and excess nutrients in local waters.



- ◆ When walking your pet, remember to pick up the waste and dispose of it properly. Flushing pet waste is the best disposal method. Leaving pet waste on the ground increases public health risks by allowing harmful bacteria and nutrients to wash into the storm drain and eventually into local waterbodies.



Education is essential to changing people's behavior. Signs and markers near storm drains warn residents that pollutants entering the drains will be carried untreated into a local waterbody.

Residential landscaping

Permeable Pavement—Traditional concrete and asphalt don't allow water to soak into the ground. Instead these surfaces rely on storm drains to divert unwanted water. Permeable pavement systems allow rain and snowmelt to soak through, decreasing stormwater runoff.

Rain Barrels—You can collect rainwater from rooftops in mosquito-proof containers. The water can be used later on lawn or garden areas.



Rain Gardens and Grassy Swales—Specially designed areas planted with native plants can provide natural places for



rainwater to collect and soak into the ground. Rain from rooftop areas or paved areas can be diverted into these areas rather than into storm drains.

Vegetated Filter Strips—Filter strips are areas of native grass or plants created along roadways or streams. They trap the pollutants stormwater picks up as it flows across driveways and streets.

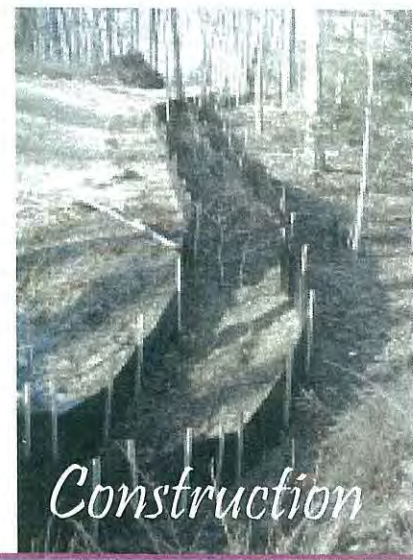


Dirt, oil, and debris that collect in parking lots and paved areas can be washed into the storm sewer system and eventually enter local waterbodies.

- ◆ Sweep up litter and debris from sidewalks, driveways and parking lots, especially around storm drains.
- ◆ Cover grease storage and dumpsters and keep them clean to avoid leaks.
- ◆ Report any chemical spill to the local hazardous waste cleanup team. They'll know the best way to keep spills from harming the environment.

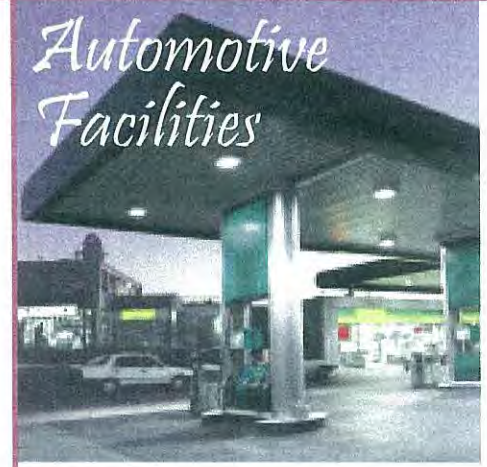
Erosion controls that aren't maintained can cause excessive amounts of sediment and debris to be carried into the stormwater system. Construction vehicles can leak fuel, oil, and other harmful fluids that can be picked up by stormwater and deposited into local waterbodies.

- ◆ Divert stormwater away from disturbed or exposed areas of the construction site.
- ◆ Install silt fences, vehicle mud removal areas, vegetative cover, and other sediment and erosion controls and properly maintain them, especially after rainstorms.
- ◆ Prevent soil erosion by minimizing disturbed areas during construction projects, and seed and mulch bare areas as soon as possible.



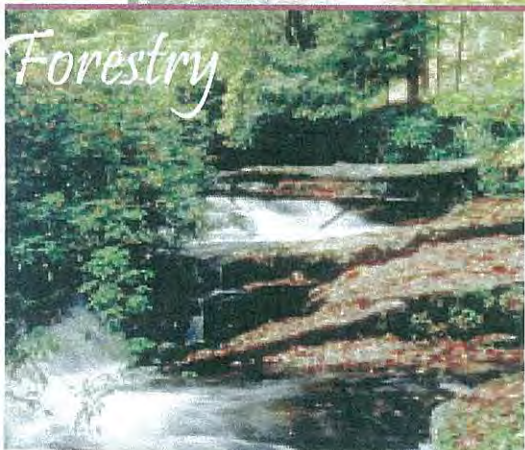
Lack of vegetation on streambanks can lead to erosion. Overgrazed pastures can also contribute excessive amounts of sediment to local waterbodies. Excess fertilizers and pesticides can poison aquatic animals and lead to destructive algae blooms. Livestock in streams can contaminate waterways with bacteria, making them unsafe for human contact.

- ◆ Keep livestock away from streambanks and provide them a water source away from waterbodies.
- ◆ Store and apply manure away from waterbodies and in accordance with a nutrient management plan.
- ◆ Vegetate riparian areas along waterways.
- ◆ Rotate animal grazing to prevent soil erosion in fields.
- ◆ Apply fertilizers and pesticides according to label instructions to save money and minimize pollution.



Uncovered fueling stations allow spills to be washed into storm drains. Cars waiting to be repaired can leak fuel, oil, and other harmful fluids that can be picked up by stormwater.

- ◆ Clean up spills immediately and properly dispose of cleanup materials.
- ◆ Provide cover over fueling stations and design or retrofit facilities for spill containment.
- ◆ Properly maintain fleet vehicles to prevent oil, gas, and other discharges from being washed into local waterbodies.
- ◆ Install and maintain oil/water separators.



Improperly managed logging operations can result in erosion and sedimentation.

- ◆ Conduct preharvest planning to prevent erosion and lower costs.
- ◆ Use logging methods and equipment that minimize soil disturbance.
- ◆ Plan and design skid trails, yard areas, and truck access roads to minimize stream crossings and avoid disturbing the forest floor.
- ◆ Construct stream crossings so that they minimize erosion and physical changes to streams.
- ◆ Expedite revegetation of cleared areas.

A Valuable Service

The Metropolitan Water Reclamation District's Small Streams Maintenance Program (SSMP) helps prevent costly flood damage throughout Cook County. Since it began in 2006, dedicated crews have provided a valuable service by removing debris from creeks, streams, and waterways.

Project sites are determined based on reports from local municipalities and residents or from our routine inspections. The success of the SSMP depends on cooperation and coordination among all communities to efficiently and respectfully manage the waterways.

Contact the **Village of Hoffman Estates' Public Works Department** to report a blocked waterway.
Call: 847-490-6800 or
Email: publicworks@hoffmanestates.org

How You Can Help

Report debris accumulations in your stream to the MWRD or to your community leaders.

Remove invasive plant species (especially buckthorn) from your property.

Do not discard yard waste near your stream. When the water rises, it can wash away and contribute to a blockage.

Attend your local Watershed Planning Council meeting to learn more about the regional efforts to manage stormwater and prevent flooding.

For more information about the SSMP or to report a waterway blockage, call 708-588-3171 or go to www.mwrdd.org.



Find the MWRD on Facebook and Twitter



Metropolitan Water Reclamation District of Greater Chicago

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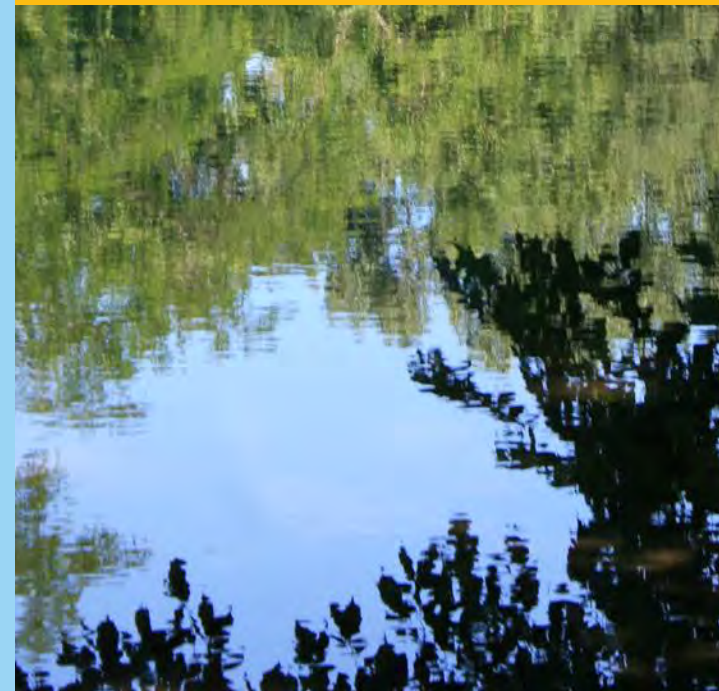
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Patrick D. Thompson

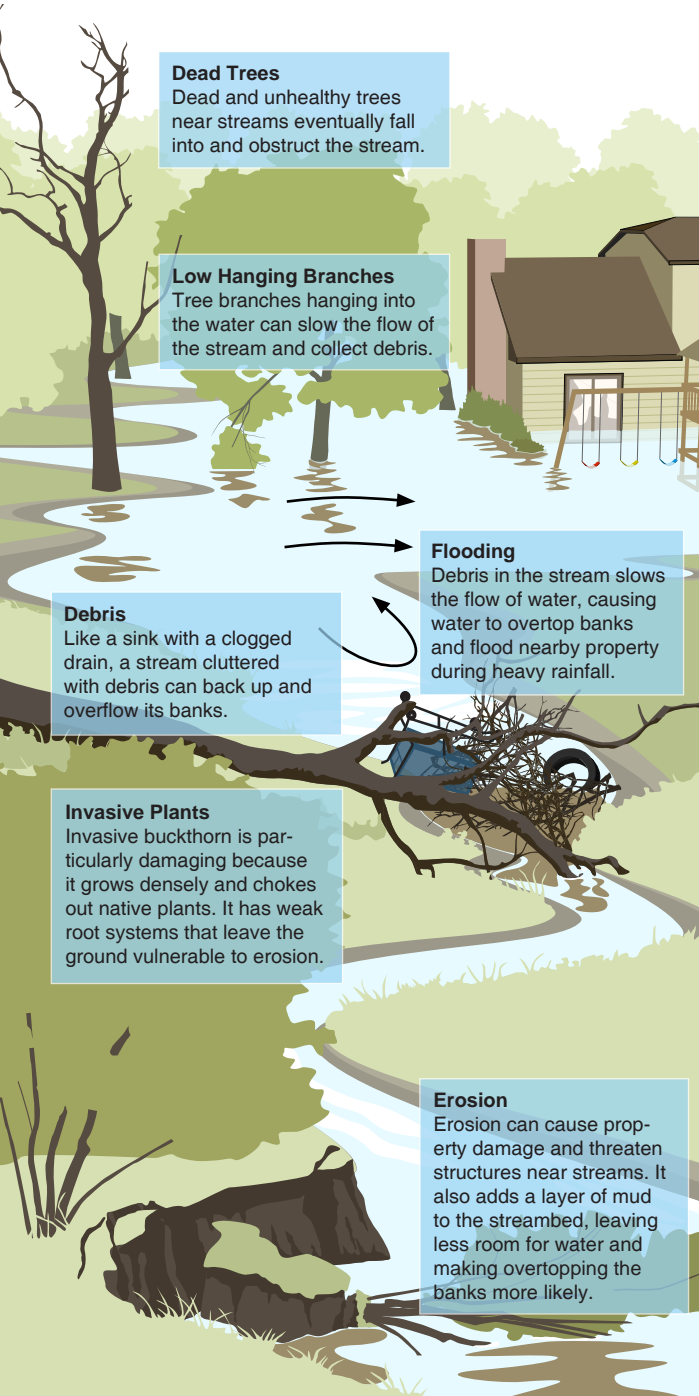
David St. Pierre
Executive Director

Stream Maintenance

Working in your neighborhood to prevent flooding throughout the region



Before



Dead Trees
Dead and unhealthy trees near streams eventually fall into and obstruct the stream.

Low Hanging Branches
Tree branches hanging into the water can slow the flow of the stream and collect debris.

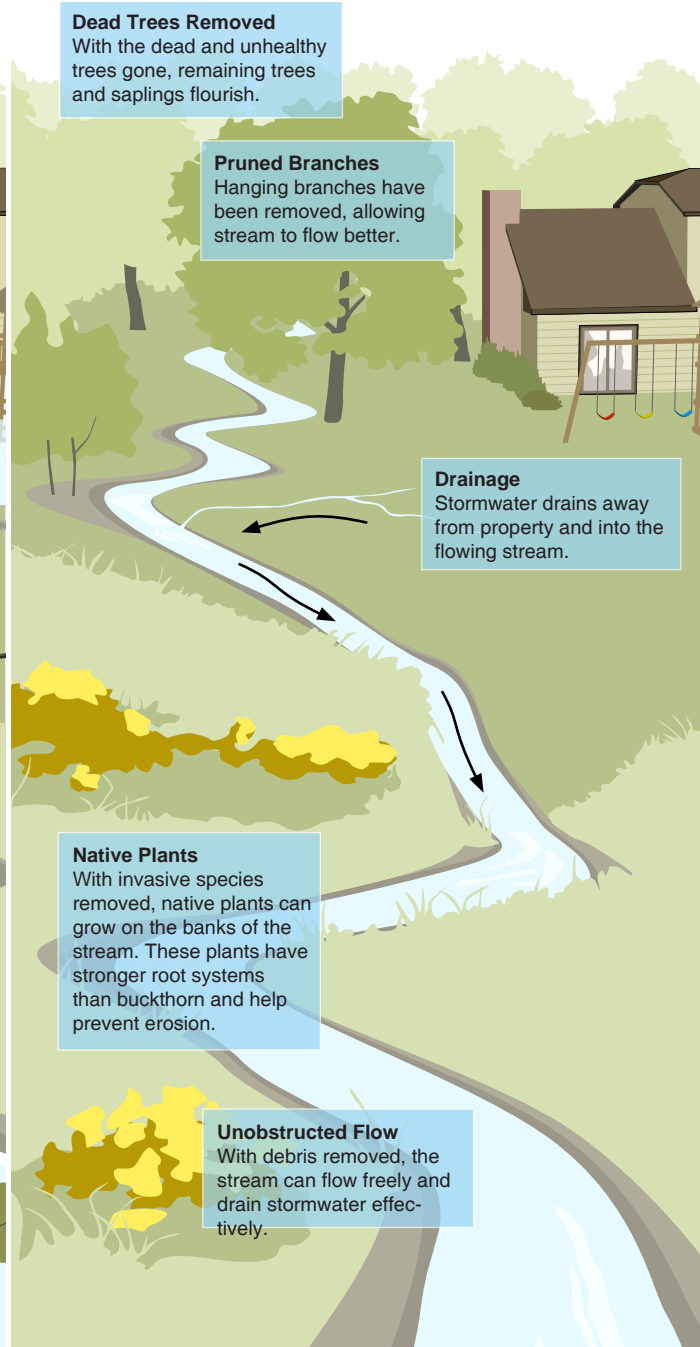
Debris
Like a sink with a clogged drain, a stream cluttered with debris can back up and overflow its banks.

Invasive Plants
Invasive buckthorn is particularly damaging because it grows densely and chokes out native plants. It has weak root systems that leave the ground vulnerable to erosion.

Flooding
Debris in the stream slows the flow of water, causing water to overtop banks and flood nearby property during heavy rainfall.

Erosion
Erosion can cause property damage and threaten structures near streams. It also adds a layer of mud to the streambed, leaving less room for water and making overtopping the banks more likely.

After



Dead Trees Removed
With the dead and unhealthy trees gone, remaining trees and saplings flourish.

Pruned Branches
Hanging branches have been removed, allowing stream to flow better.

Drainage
Stormwater drains away from property and into the flowing stream.

Native Plants
With invasive species removed, native plants can grow on the banks of the stream. These plants have stronger root systems than buckthorn and help prevent erosion.

Unobstructed Flow
With debris removed, the stream can flow freely and drain stormwater effectively.

Stream Maintenance Prevents Flooding

The stream that flows through your neighborhood is more than just a scenic part of the landscape or a habitat for wildlife. It serves the vital function of draining stormwater and preventing flooding. In order to function effectively, the stream must be maintained.

The Chicago region is so flat that our streams tend to move slowly and are naturally prone to flooding. Many areas that are now developed were originally uninhabited muddy marshes with meandering streams that often overtopped their banks. As the region was built up, our creeks and streams were deepened and enlarged to drain water and to prevent flooding.

The MWRD's SSMP works to keep our streams functioning by removing debris that can restrict their flow.

Minor blockages can build up quickly in heavy rains, as floating debris piles up and creates a dam. In our flat landscape, obstructions in one spot can contribute to flooding far upstream.

Thinking Ahead

Besides removing existing blockages, our crews and engineers also work to identify and fix potential problems before they can cause flooding. Dead and dying trees, which can eventually fall into streams and cause blockages, are removed from the banks. Harmful invasive plant species are also removed. Buckthorn is particularly harmful and thrives in our climate. It chokes out native plants and has weak root systems, leaving the ground vulnerable to erosion.

ATTACHMENT
FOR
BMP B.1

Committee Update Memo

VILLAGE OF HOFFMAN ESTATES

Memo

TO: Stormwater Management Committee
FROM: Alan Wenderski, Village Engineer
RE: 2019 Stormwater Committee Update
DATE: August 29, 2019

In recent years we have met in early spring to discuss various stormwater related topics. While we have been unable to achieve a quorum to schedule a meeting yet this year, I would still like to schedule a meeting this fall to discuss the multiple topics below:

- 2018/2019 Stormwater Project Updates
- **Annual Drainage Improvement Project List and Village Drainage Policy (details below)**
- Future Stormwater Projects
- IEPA General Permit for Discharges from Municipal Separate Storm Sewer Systems (MS4's)
- Illinois State Water Survey - Frequency Distributions of Heavy Precipitation in Illinois: Updated Bulletin 70, March 2019
- Metropolitan Water Reclamation District of Greater Chicago (MWRDGC) Watershed Management Ordinance (WMO) - May 16, 2019 amendment

Typically, the Annual Drainage Improvement Project List and Village Drainage Policy are reviewed and recommended to the Public Works & Utilities Committee in the spring/summer. In order to proceed with construction of the 2019 Drainage Improvement Project this fall, it is necessary to present these items to the Public Works & Utilities Committee and Village Board in September 2019. Prior to the September meetings I welcome the comments and feedback from the committee related to the two items below.

Drainage Policy

The attached Drainage Policy was last revised in April 2016 and approved by the Village Board in June 2016. **No changes are recommended to the current drainage policy.**

The policy provides guidelines and a framework for discussions with residents during drainage investigations and general inquiries. This policy distinguishes between projects that qualify for public funding versus those that are the responsibility of the private property owner. In general, drainage improvements within the right-of-way are Village responsibility while most private property drainage issues are the responsibility of the property owner.

Future Drainage Improvement Locations

A current list of drainage improvement locations identified by Village staff is attached. The attached list is prioritized based on the criteria of the current policy.

Staff recommends the inclusion of project locations 1 and 2 (highlighted in yellow on the attached list) for the 2019 Drainage Improvement Project. These locations were determined to be the highest priorities within the available budget. **These are the locations to be presented to the Public Works & Utilities Committee and Village Board.**

The current budgeted amount for Drainage Improvements is \$50,000 while the preliminary cost estimates for Locations 1 and 2 total \$45,000. It is not recommended to add any additional locations as the cost estimates are preliminary so some contingency is preferred. Pending approval by the Public Works & Utilities Committee and Village Board in September this work would be completed this fall.

I look forward to any feedback or discussion prior to the September Committee meetings and still hope to schedule a meeting this fall to discuss the various other topics. Staff will be in touch to identify a future meeting date.



Alan Wenderski, P.E.
Village Engineer

Attachments

cc: Jim Norris
Dan O'Malley

**Village of Hoffman Estates
Drainage Policy
Revised April 2016**

The Village originally adopted the Annual Drainage Improvement Project to correct drainage problems in the right-of-way (ROW) or locations on private property that meet the strict criteria listed below. The priority for projects that meet the criteria shall be as follow:

1. Specific drainage issue that causes property damage
2. Number of properties affected
3. Severity of icing/standing water

It is noted that standing water is not considered a problem unless it exists for longer than a 24-hour period after a rain event.

The drainage criteria for inclusion in the annual Drainage Improvement Project are:

1. Drainage problems caused by deficiencies in the public right-of-way drainage systems.
2. Drainage/icing problems within the right-of-way that are caused by excessive offsite run-off.
3. Drainage problems within the right-of-way that cannot be resolved with minor grading between the sidewalk and curb due to "back-pitched" conditions. Parkway heaving is common and can usually be addressed by minor regrading which is considered routine maintenance. If it is determined that there is the ability to grade between the sidewalk and the street to resolve the problem then the adjacent property owner is responsible.
4. Drainage problems that result from inherent design problems that were not fully resolved by the developer before final acceptance of a new development. The issues shall be identified within 5 years of subdivision acceptance and cannot be the result of changes to the property by the homeowner.

Maintenance responsibilities for the special circumstances in Parcel A (South of Golf, North of Higgins, East of Roselle) are described below:

1. Roadside swales in Parcel A will be maintained as part of the public drainage system. Any shoreline stabilization on private property such as along the creek in Parcel A is the responsibility of the adjacent property owner. Technical advice is available from the Village to assist the residents with stabilization methods.
2. There shall be no filling of any roadside swales in Parcel A. The Parcel A roadside swales hold considerable water during heavy rain events and compensate for the lack of detention in this subdivision. Filling in the roadside swales could cause flooding in this subdivision.
3. All routine maintenance of the driveway culverts in Parcel A is the responsibility of the homeowner and includes repairs, patching, cleaning and replacement. Since Parcel A is unique within the Village with driveway culverts, the Village provides a new driveway culvert pipe when the old pipe is replaced by the resident or their contractor. If driveway culvert replacement is necessary as part of a roadside ditch improvement project, then the Village will replace the culvert.

Drainage problems are typically identified through drainage investigations by the Transportation and Engineering Division when brought to our attention by residents. The Transportation and Engineering Division will provide technical guidance in solving private property drainage issues. In general, solutions to these drainage problems usually involve regrading and/or installation of storm sewers or pipe underdrains. It is noted that all private or backyard storm sewers or drain tiles must connect to a Village storm sewer. Private backyard drains must not discharge at the sidewalk, curb, or near the property line. If a Village storm sewer is not available, only systems deemed to not cause public nuisance will be approved by permit from the Village Engineer

The Drainage Improvement Policy will continue to be reviewed annually and updated as necessary.

Drainage Project Locations

Aug-19

PRIORITY	LOCATION	INITIAL DATE	DESCRIPTION	SOLUTION	COST	STATUS
1	1105 Aspen Street	2016	Low area in backyard with multiple upstream lots. Significant ponding occurs that affects four adjacent properties. Drainage issue cannot be adequately solved within the limits of 1105 Aspen Street's property only.	Install rear yard storm inlet at 1105 Aspen Street and install storm sewer to outlet in swale at 1085 Aspen Street.	\$30,000	Staff recommends to be included in 2019 project
2	1623 Acorn Drive	2011	Offsite flow from upstream unincorporated area causing frequent erosion prior to entering rear yard swale and storm sewer	Install rear yard storm inlet to capture offsite flow and connect to nearby storm sewer system.	\$15,000	Staff recommends to be included in 2019 project
3	3635 Winston Drive	2014	Intersection of Winston Drive and Firestone Drive is a low area without a sufficient overland flow. Side yard of 3635 and 3655 designed as overflow route but garage of 3635 is at a lower elevation.	Installation of additional redundant inlets in street to allow for maximum use of pipe and protect against debris blockage. Upsizing of downstream pipe considered as part of larger scale improvement.	\$30,000	Cost estimate includes installation of redundant inlets in street only.
4	Evergreen Lake	2013	Siltation from inflow pipe to pond.	Install new catch basin and re-align inflow pipe to pond.	\$30,000	
5	655 Hillcrest Boulevard	2018	Low spot in roadway with frequent ponding and overland flow. Overland flow path is between 655 and 665 Hillcrest and is very close to homes.	Install redundant storm inlets in low area to reduce overland flow occasions due to storm grate obstructions.	\$6,000	Inlet frame & grate modification completed by Public Works. Monitoring conditions.
6	4075 N. Victoria Drive	2019	Standing water and icing on sidewalk along Harrison Lane frontage. Runoff from multiple upstream lots contribute.	Grading of sidewalk, parkway, and installation of pipe underdrain.	\$12,000	Monitoring during winter for severity of icing conditions.
7	1665/1655 Westbury Drive	2018	Standing water and icing on sidewalk due to runoff from upstream lots and low area in sidewalk.	Grading of sidewalk, parkway, and installation of pipe underdrain.	\$7,000	Monitoring during winter for severity of icing conditions.
8	200 Carthage Lane	2016	Sidewalk lower than street across most of lot. Water in garage in many heavy rains events, run-off from ROW contributing.	Replace dipped sidewalk, new apron, grade parkway to create slope from sidewalk to street. Lower street profile and install additional storm sewer.	\$30,000	Minor curb & gutter and apron improvements completed in 2017. Remainder of improvements to be completed with future street reconstruction
TOTAL LIST COST					\$160,000	
TOTAL UNCOMPLETED PER 2019 RECOMMENDATIONS					\$115,000	

**ATTACHMENT
FOR
BMP B.7**

Sample Articles

Hoffman Estates Citizen

May 2019

News from the Village of Hoffman Estates

Contact number to report stormwater related issues (red box & pg10)

Barrington Road interchange project wins prestigious award

The Barrington Road interchange project, located along the Jane Addams Memorial Tollway (I-90) in the Village of Hoffman Estates, recently received a noteworthy distinction from a statewide business association of engineering professionals.



Village Manager Jim Norris (right) and Director of Transportation and Engineering Mike Hankey (left) with the Lincoln's Grand Conceptor Award.

The American Council of Engineering Consultants (ACEC)-Illinois held their 2019 Engineering Excellence Awards in early March, and the Village was invited as an Honor Award winner. Honor Awards are given for exceptional engineering projects that meet the needs of customers and benefit the public welfare.

At the awards dinner, the Barrington Road interchange project also took home the top honor of the night – the Lincoln's Grand Conceptor Award. This award is the most prestigious honor given by the organization, as it recognizes an engineering achievement that demonstrates a high degree

of merit, is original and innovative, adds future value to the engineering profession, has economic and sustainable design considerations, demonstrates complexity, and exceeds owner/client needs.

Village Manager Jim Norris and Director of Transportation and Engineering Mike Hankey, along with Crawford, Murphy and Tilly, the Illinois Department of Transportation (IDOT), the Illinois State Toll Highway Authority, and Pace Bus, accepted the Lincoln's Grand Conceptor Award.

[continued on page 8]

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Memorial Day observance . . 3	Choosing an electricity supplier 8	May calendar 11
A message from Mayor McLeod 3	Health and Human Services news 9	Mayor wins small business advocate award 12



02

p5

Community briefs

Memorial Day observance

The Village Hall will be closed on Saturday, May 25, and Monday, May 27.

Mother's Day Luncheon for senior citizens

Join the Commission for Senior Citizens for a rockin' and rollin' Mother's Day Luncheon on Wednesday, May 8, at noon (doors open at 11:30 a.m.) at the Village Hall. The cost to attend is \$8, which includes food and entertainment. The \$8 per person fee must be received before a reservation can be accepted. For more information, call Sue at 847-781-2606.



Reminder: summer concerts start soon

The Arts Commission's popular summer concert series at the Virginia Mary Hayter Village Green starts on Thursday, June 6, with R-Gang. There are eight free outdoor concerts this year. All performances begin at 7 p.m. The complete lineup of shows is available online at www.hoffmanestatesarts.com.

Watering ban reminder

The Village watering ban is in effect from May 15 to Oct. 1. All outside water use is banned between 11 a.m. and 5 p.m. This includes lawn sprinkling, washing cars, filling pools or any recreational use of hoses. The ban complies with state water conservation practices. Violators can receive a citation, which carries a \$50 fine for the first offense.



Save the date: Community Fishing Derby

The 24th annual Community Fishing Derby, sponsored by the Hoffman Estates Chamber of Commerce and Industry, will take place on Saturday, June 15, from 9 a.m. to 1 p.m. at South Ridge Lake, 1450 Freeman Road. Pre-registration is now available for \$5, or you can register at the event for \$8. For more information, visit www.hechamber.com.

Therapy Dog Thursday

Health and Human Services is hosting Therapy Dog Thursday on Thursday, May 30, from 5:30 p.m. to 7:30 p.m. at the Village Hall (south entrance). Therapy dogs and their owners from Therapy Dogs International will be on site providing comfort and education. For more information and to sign up, call 847-781-4850.



Groot discounted dumpster program

Doing a home project that requires a dumpster? Groot will offer residents discounted dumpsters in May and June. Visit the Village website for more information. Note that the use of dumpster bags that can be purchased in hardware stores is not allowed due to their incompatibility with Groot's collection equipment. By contract, only Groot waste receptacles are allowed in Hoffman Estates. To reserve your dumpster, call Groot at 800-244-1977.

Memorial Day garbage collection delayed

Garbage, recycling and yard waste collection will be delayed one day in observance of the Memorial Day holiday. Monday collection will be on Tuesday, May 28, and Wednesday collection will be on Thursday, May 30.

Branch pickup continues through May

The Village's free curbside tree branch pickup program continues through Friday, May 17. Visit www.hoffmanestates.org/forestry for a map and the dates of pickup listed for your neighborhood. On the first date of your pickup, neatly stack branches at your curbside by 7 a.m. Do not tie branches in bundles or place in any container. Remember to keep branches clear of trees, mailboxes, signs and streetlight poles. Also, please avoid parking cars next to branch piles as the equipment used for pickup needs to have clear, open access. For more information, call 847-490-6800.



Reminder: history of Provence, France

The Sister Cities Commission is hosting, "Marseille – a City in Provence, France," on Saturday, May 18, at 1 p.m. at the Village Hall. Buy your tickets before May 10! For more information, call Sue at 847-781-2606.

Storm sewer infrastructure

The Public Works Department is responsible for the maintenance and repair of all Village-owned storm sewers. Monthly inspections are performed on drainage ways and lake/pond outfall lines to reduce the risk of flooding. You can help by keeping storm sewer inlets free of obstructions. If you see leaves, paper, branches or ice obstructing an inlet, remove the items so water from the street can flow unobstructed. Call Public Works to report any inlet that is not draining or causing a large volume of water to collect on the street. If any settlement is noticed around the structure, it may indicate a collapsed sewer or other problem that needs to be corrected. If you observe these conditions or have a question, call 847-490-6800. Working together, we can keep the Village's storm sewer infrastructure working at peak efficiency.

Alice 3.0 animation class for kids

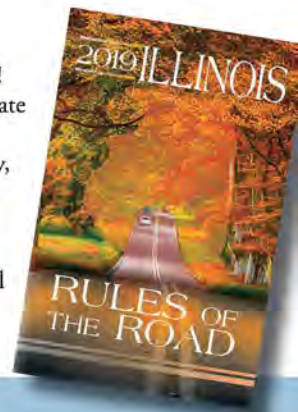
The Youth Commission is pleased to offer an introduction to Alice 3.0, a free animation program designed to teach children the basics of computer programming in a fun and creative way. The class will be held on Saturday, May 18, from 10 a.m. to noon at the Village Hall. Space is limited to 10 students per class, so email sue.lessen@hoffmanestates.org to reserve your child's seat. A parent is required to stay for the entire class. More information on Alice 3.0 can be found at www.alice.org.

Game night for residents with disabilities

The Commission for People with Disabilities is hosting a carnival game night for adults with disabilities 14 and older on Friday, May 3, from 6:30 p.m. to 8:30 p.m. at the Village Hall. Admission is free! Pizza will be served for \$2 a slice, and lemonade is complimentary. Meet some new friends! For more information, email comdiscitz@gmail.com.

Rules of the Road

Refresh your driving skills! The Illinois Secretary of State is hosting a free "Rules of the Road" class on Tuesday, May 7, from 1:30 p.m. to 3:30 p.m. at the Village Hall. Review safe driving techniques! To register, call Sue at 847-781-2606.



Facts about sanitary and storm sewers

Anything poured down a drain goes to a wastewater treatment plant, right? **WRONG!** It's important to understand the difference between a sanitary sewer and a storm sewer. Knowing this distinction can prevent environmental damage and ensure that water taken from natural sources is safe to use and drink.

The **sanitary sewer** is a system of underground pipes that carries waste water from bathrooms, kitchens and other plumbing components to a treatment plant. There, it is treated and filtered, and then put back into the creek system.

The **storm sewer** is a drainage system designed to carry rainfall and other water runoff, but not waste water. The runoff is carried in underground pipes or open ditches, and then discharged (untreated) into Poplar Creek or Salt Creek. The inlets that drain into this system are on the street and other low-lying outdoor areas.



Water (both surface and subsurface) from Hoffman Estates drains into Poplar Creek or Salt Creek, which flow into the Fox River and Des Plaines River, respectively, with both eventually reaching the Mississippi River. Water may pick up pollutants along the way, which are never treated in a natural environment.

Disposal of chemicals or hazardous substances via the storm sewer system is not only illegal, it also damages the environment. Pollutants that get into storm drains can affect your drinking water supply and poison fish, birds and other wildlife. In addition, silt, litter and organic matter (branches, clippings, etc.) can clog storm drains and cause flooding.

You can help by taking these simple steps:

- Don't pour ANYTHING in storm sewer drains
- Keep drains clear of leaves and lawn litter
- Scoop up after your pet and throw it in the trash
- Don't pour paint or oils down any sink or drain
- Clean up spills – DON'T wash them into drains
- Minimize use of pesticides and herbicides

Report illegal dumping or spills by calling the Public Works Department at 847-490-6800 or, in the case of an emergency, dial 911.

Free advice on solving drainage concerns

If you have a drainage problem or standing water on your property, the Village's Transportation and Engineering Division is available to assist you with technical advice.

Standing water is a nuisance and will continue to worsen if not addressed. Most drainage problems grow over time from ground settlement and heaving from freeze-thaw cycles.

The grading of most yards should have the ground sloping or draining away from the house and toward the side, front or backyard swale. Ground settlement along the foundation should be addressed on an annual basis to always maintain slope away from the house. Downspouts and sump pump discharges should be extended several feet from the house, with water flow directed to a drainage swale. Downspouts and sump pump discharges must be at least three feet from the property line.

Over time, side and backyard swales may become less efficient due to settlement and erosion, and they can commonly become blocked by gardens, sheds, swing sets or

landscaping features. Solid fences should be installed above ground level to allow for drainage underneath. Upstream areas must be allowed to drain freely, and drainage paths cannot be blocked or obstructed. Improper grade changes may affect drainage patterns on your lot and could result in standing water problems for you and your neighbors.

Grading and other drainage improvements require a permit to ensure your issue is being addressed and that neighboring properties are not adversely impacted. Village staff can offer advice for residents to consider how to proceed.

If you would like to take advantage of the free drainage investigation service, click the "I Want To..." button on Village website, then click "Make a Request" and select "Drainage Issues." You can also contact Alan Wenderski by phone at 847-252-5802 or by email at alan.wenderski@hoffmanestates.org. Note that demand can be very high in the spring and early summer, so allow for a few weeks to schedule the drainage investigation.

Get to know ... the Arts Commission

What is the history of the commission?

The Arts Commission was founded by former Village Mayor and Clerk Virginia Hayter, inspired by her visit to the Village's Sister City of Angoulême, France. Since its inception in 1997, the commission's mission has been to offer arts enrichment to the community and its visitors through a variety of experiences and media.

What types of events does the commission host?

The flagship event is the award-winning Summer Sounds on the Green outdoor concert series, held on Thursday evenings during the summer at 7 p.m. at the Village Green, located adjacent to the Sears Centre Arena. The commission also maintains the community art gallery in the Village Hall lobby, showcasing the work of local artists and students. The commission presents theatrical performances, photography workshops and a Victorian high tea, as well as an outdoor children's entertainment series co-sponsored by the Hoffman Estates Park District.

Is the commission looking for new members?

The Arts Commission currently has two open positions. The only requirement is a fondness for the arts and a passion to bring varied experiences to residents. Additionally, the commission is always looking for artists to display their work in the art gallery.

Visit www.hoffmanestatesarts.com to learn more about the Arts Commission, or stop by one of their monthly meetings on the fourth Tuesday of the month at 7 p.m. at the Village Hall.

Call 847-781-2606 for more information.

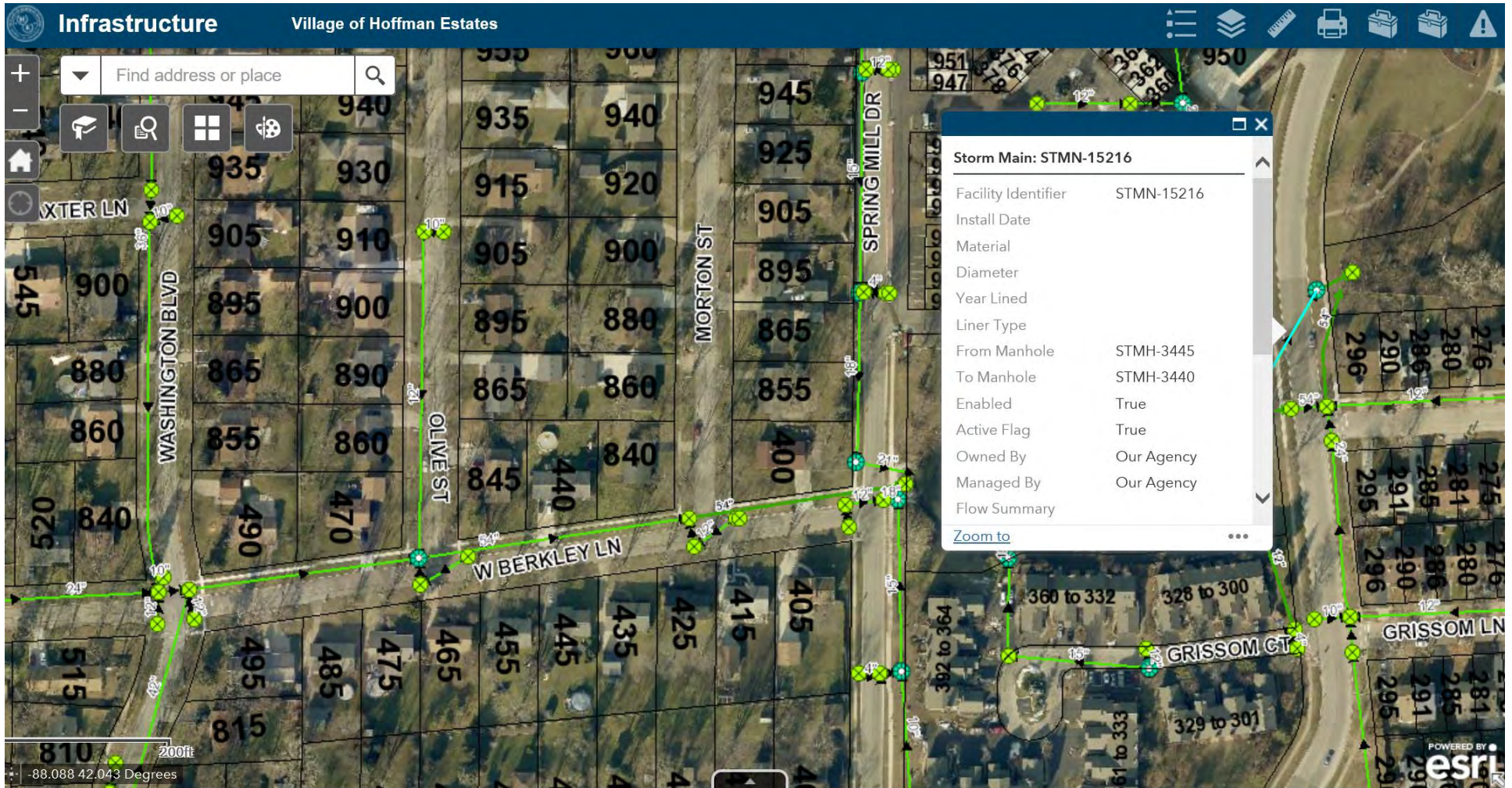


Photo courtesy Mona S. Morrison

ATTACHMENT
FOR
BMP C.1

GIS Storm Sewer Map screenshot

Screen shot of Village GIS Storm Sewer System Map



**ATTACHMENT
FOR
BMP C.2**

Village Code

MUNICIPAL CODE OF HOFFMAN ESTATES, ILLINOIS

Published in 1955 by Order of the Village Board
Republished in 2001 by Order of the Village Board

The logo for Municode, featuring the word "municode" in a bold, lowercase sans-serif font. The "muni" part is black and the "code" part is red.

Municipal Code Corporation | P.O. Box 2235 Tallahassee, FL 32316
info@municode.com | 800.262.2633
www.municode.com

CURRENT OFFICIALS of the VILLAGE OF HOFFMAN ESTATES, ILLINOIS

William D. McLeod
Mayor

Karen V. Mills
Anna Newell
Gary J. Pilafas
Gary Stanton
Michael Gaeta
Gayle Vandenberg
Village Board

Arthur L. Janura, Jr.
Corporation Counsel

Bev Romanoff
Village Clerk

James H. Norris
Village Manager

This Republication constitutes a complete codification of the general and permanent ordinances of the Village of Hoffman Estates, Illinois.

Source materials used in the preparation of the Republication was the Village Code of 1955, as updated through December, 2000. The source of each section is included in the history note appearing in parentheses at the end thereof. The absence of such a note indicates that the section is new and was adopted for the first time with the adoption of the Code. By use of the comparative table appearing in the back of this Code, the reader can locate any section of any subsequent ordinance included herein.

Chapter and Section Numbering System

The chapter and section numbering system used in this Code is the same system used in many state and local government codes. Each section number consists of two parts separated by a dash. The figure before the dash refers to the chapter number, and the figure after the dash refers to the position of the section within the chapter. Thus, the second section of chapter 1 is numbered 1-2, and the first section of chapter 6 is 6-1. Articles may be placed at the end of the chapter embracing the subject, and, in the case of divisions, may be placed at the end of the article embracing the subject. The next successive number shall be assigned to the new article or division. New chapters may be included by using one of the reserved chapter numbers. Care should be taken that the alphabetical arrangement of chapters is maintained when including new chapters.

Indexes

The indexes have been prepared with the greatest of care. Each particular item has been placed under several headings, some of which are couched in lay phraseology, others in legal terminology, and still others in language generally used by local government officials and employees. There are numerous cross references within the indexes themselves which stand as guideposts to direct the user to the particular item in which the user is interested.

Looseleaf Supplements

A special feature of this publication is the looseleaf system of binding and supplemental servicing of the publication. With this system, the publication will be kept up-to-date. Subsequent amendatory legislation will be properly edited, and the affected page or pages will be reprinted. These new pages will be distributed to holders of copies of the publication, with instructions for the manner of inserting the new pages and deleting the obsolete pages.

Keeping this publication up-to-date at all times will depend largely upon the holder of the publication. As revised pages are received, it will then become the responsibility of the holder to have the amendments inserted according to the attached instructions. It is strongly recommended by the publisher that all such amendments be inserted immediately upon receipt to avoid misplacing them and, in addition, that all deleted pages be saved and filed for historical reference purposes.

Acknowledgments

The publisher is most grateful to Mr. Christopher J. Nelson, Assistant to Village Manager, for his cooperation and assistance during the progress of the work on this publication. It is hoped that his efforts and those of the publisher have resulted in a Code of Ordinances which will make the active law of the city readily accessible to all citizens and which will be a valuable tool in the day-to-day administration of the city's affairs.

This republication was under the direct supervision of John Dombroski, Vice President for Supplements, and Janet Cramer, Editor, of the Municipal Code Corporation, Tallahassee, Florida. Credit is gratefully given to the other members of the publisher's staff for their sincere interest and able assistance throughout the project.

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CHAPTER 7 – OFFENSES AND PUNISHMENT

ARTICLE 8. - PUBLIC NUISANCES

Sec. 7-8-3. - Pollution, general.

- A. *Water Pollution.* It shall be unlawful for any person to litter, pollute or cause to be polluted any waterway, stream, lake, pond, storm sewer or other body of water so as to render it unclean and dangerous to the health and well being of any person or animal fowl or fish, coming into contact with such polluted water within the Village of Hoffman Estates.

Sec. 7-8-7. - Water control.

- A. *Obstructing Water Passage.* No person shall knowingly stop or obstruct the passage of water in any street, gutter, public sewer, culvert, water pipe, hydrant, drainageway or swales between houses.
- B. *Stagnant Water Prohibited.* Any stagnant pool of water in the Village is hereby declared to be a nuisance. It shall be unlawful for any person, firm or corporation to permit any such nuisance to remain or exist on any property under their control. Retention ponds or approved natural water retention areas are exempted from this requirement.
- C. *Catch Basins.* Catch basins are to be cleaned of all grease and sludge as often as it is necessary to prevent sewage lines from clogging. It will be the responsibility of the owner to keep catch basins and sewage lines leading from their establishment free of grease.
- D. *Drainage Swales.* No person shall reconstruct or change a rear yard or side yard swale so as to adversely affect the natural drainage.
- E. *Sump Pump Discharge.* Sump pump discharge may be directed to the front, rear or side yard, but if stagnant water pools from a discharge to the side yard, the discharge shall be redirected to the rear or front yard.

ATTACHMENT
FOR
BMP C.3/C.7

Sample Inspection Log



HOFFMAN ESTATES

UNDERGROUND AND CONSTRUCTION

STORM SEWER DIVISION

Storm System Checks North

NORTH OF TOLLWAY CENTRAL ROAD

LOCATION AND AREA	DATE CLEANED	EMPLOYEE	EMPLOYEE	WATER QUALITY
Central Rd 500' East of Ela	Nov 18, 2019	Whelan	Salas	
Central Rd 500' West of Thomas Eng. Central Rd to Tollway Culvert	Nov 18, 2019	Whelan	Salas	
Central Rd East side of Forest Preserve entrance by guardrail. Goes under Tollway culvert and grate	Nov 18, 2019	Whelan	Salas	
Ela Road 200' North of Central Road by guardrail	Nov 18, 2019	Whelan	Salas	

Comments	Beaver chewing and damn in creek east and west side of ela in forest preserve at central road
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NORTH OF TOLLWAY NA

LOCATION AND AREA	DATE CLEANED	EMPLOYEE	EMPLOYEE	WATER QUALITY
3451 North Wiltshire (Well 18) Vault	18" C.M.P.	Nov 18, 2019	Whelan	Salas

Comments	
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NORTH OF TOLLWAY NB

LOCATION AND AREA	DATE CLEANED	EMPLOYEE	EMPLOYEE	WATER QUALITY
780 Charleston(Pine Park)	48" C.M.P.	Nov 18, 2019	Whelan	
Winston and Norman(Willow Park)	18" C.M.P.	Nov 18, 2019	Whelan	Salas
Across from 920 Norman	12" C.M.P.	Nov 18, 2019	Whelan	Salas
Norman and Lexington	18" C.M.P.	Nov 18, 2019	Whelan	Salas
3660 Lexington	30" C.M.P. Into creek	Nov 18, 2019	Whelan	Salas
1100 Concord	48" C.M.P. Into creek	Nov 18, 2019	Whelan	Salas
1345 and 1355 Picardy Ct	42" C.M.P.			
3795 and 3805 Bordeaux(Rear Yard)	60" C.M.P.			
1380 Algonquin Road(Well 19)	Culvert			
Windemere(Brittany Park)	Vault and Outflow	Nov 18, 2019	Whelan	Salas

Comments	
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Key

C.M.P.- Corrugated metal pipe

R.C.P.- Reinforced concrete pipe

P.V.C.- Polyvinal chloride pipe

BOLD INDICATES TROUBLE AREA AND SHOULD BE CHECKED MORE OFTEN



HOFFMAN ESTATES

UNDERGROUND AND CONSTRUCTION

STORM SEWER DIVISION

Storm System Checks North

NORTH OF TOLLWAY NC

LOCATION AND AREA	DATE CLEANED	EMPLOYEE	EMPLOYEE	WATER QUALITY
1929 Alder(Douglas Park) Retention Vault				
3821 Whispering Trails(Meadow Park)				
3954 and 3960 Whispering Trails				
Whispering Lake- Seminole Culvert				
Huntington behind(White Hen) Whispering Lake Vault	Nov 18, 2019	Whelan	Salas	Clear

Comments	
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NORTH OF TOLLWAY ND

LOCATION AND AREA	DATE CLEANED	EMPLOYEE	EMPLOYEE	WATER QUALITY
Freeman Rd N New Britton(South Ridge Lake) Outfalls	Nov 18, 2019	Whelan	Salas	Clear
885 Park Lane (Valley Park)	Outfalls into creek			
1355 Sturbridge(North and South Ridge Lake)	Nov 18, 2019	Whelan	Salas	Clear
4195 Mumford(North Ridge Park) Pat's Pantry vault	Nov 18, 2019	Whelan	Salas	Clear
Haman and Westbury(Westbury Park vault)	Nov 18, 2019	Whelan	Salas	Clear

Comments	
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NORTH OF TOLLWAY NE

LOCATION AND AREA	DATE CLEANED	EMPLOYEE	EMPLOYEE	WATER QUALITY
1633 and 1643 Castaway Ct	24" C.M.P.			
5100 Thornbark Outfall into Lake	38" C.M.P.			
5100 and 5070 N Tamarack	32" C.M.P. Into creek-vault	Nov 18, 2019	Whelan	Salas
Parkway between 5100 and 5100 Chambers		Nov 18, 2019	Whelan	Clear

Comments	
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Key

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HOFFMAN ESTATES

UNDERGROUND AND CONSTRUCTION

STORM SEWER DIVISION

Storm System Checks West

NORTH OF TOLLWAY WEST

LOCATION AND AREA	DATE CLEANED	EMPLOYEE	EMPLOYEE	WATER QUALITY
Shoe Factory Rd by railroad tracks				
Rohrssen Rd inlet at curves (6)	Nov 18, 2019	Whelan	Salas	
McDonough Rd- Cannon Crossing Park District- other side of railroad tracks	Creek line			
Mallard Lane and Pheasant Trail Ct	Nov 18, 2019	Whelan	Salas	

Comments	
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NORTH OF TOLLWAY WHITE OAK

LOCATION AND AREA	DATE CLEANED	EMPLOYEE	EMPLOYEE	WATER QUALITY
White Oak and Shoe Factory Retention Outflows	Nov 18, 2019	Whelan	Salas	
Red Oak and Essex Retention- 2 Outflows				
5729 Caribou- Retention				
5677 and 5689 Caribou- Beehive	Nov 18, 2019	Whelan	Salas	
Angouleme- Retention				

Comments	
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NORTH OF TOLLWAY IVY RIDGE

LOCATION AND AREA	DATE CLEANED	EMPLOYEE	EMPLOYEE	WATER QUALITY
Ivy Ridge & Colchester Retention Pond				
5591 McDonough Retention Outflow				
2000 Ivy Ridge Pond Retention Outflow				

Comments	
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Key

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- R.C.P.- Reinforced concrete pipe
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BOLD INDICATES TROUBLE AREA AND SHOULD BE CHECKED MORE OFTEN



HOFFMAN ESTATES

UNDERGROUND CONSTRUCTION

STORM SEWER DIVISION

Storm System Checks West

NORTH OF TOLLWAY HUNTERS RIDGE

LOCATION AND AREA	DATE CLEANED	EMPLOYEE	EMPLOYEE	WATER QUALITY
Hunter Ridge E & Mallard- Retention Outflow to creek	Nov 18, 2019	Salas	Whelan	Clear
Mallard Rd- Box culvert creek	Nov 18, 2019	Salas	Whelan	
Mallard Rd- Retention Outflow North of box culvert-Outflow to creek	Nov 18, 2019	Salas	Whelan	
Mallard Rd- Retention South of box culvert-East of creek- Outflow to creek	Nov 18, 2019			
Mallard Rd- Retention South of box culvert-West of creek- Outflow to creek	Nov 18, 2019	Salas	Whelan	
1280 Mallard- Retention Outflow to Creek	Nov 18, 2019	Salas	Whelan	
1380 Mallard- Retention Outflow to Creek	Nov 18, 2019	Salas	Whelan	
Mallard & Pheasant Trail Ct box culvert in creekline	Nov 18, 2019	Salas	Whelan	
Hunters Ridge Wetlands behind 5465 Fox Path- Outflow to creek	Nov 18, 2019	Salas	Whelan	
1297 Hunters Ridge E(Behind) Outflow to creek	Nov 18, 2019			

Comments	
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NORTH OF TOLLWAY CANTERBERY FIELDS

LOCATION AND AREA	DATE CLEANED	EMPLOYEE	EMPLOYEE	WATER QUALITY
Maureen & Delaney- Retention Outflow S/W corner of pond	Nov 18, 2019	Whelan	Salas	

Comments	
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NORTH OF TOLLWAY YORKSHIRE WOODS

LOCATION AND AREA	DATE CLEANED	EMPLOYEE	EMPLOYEE	WATER QUALITY
McDonough Rd Retention Pond Outflow				
Swan & Nicholson Retention Pond Outflow				
Shoe Factory- retention Outflow West of McDonough(Bridlewood)	Nov 18, 2019			
Service Road- 2 flared ends in creek line 1300 ft north of Shoe Factory		Whelan	Salas	Clear

Comments	
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Key

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HOFFMAN ESTATES

UNDERGROUND AND CONSTRUCTION

STORM SEWER DIVISION

Storm System Checks South

PARCEL A

LOCATION AND AREA	DATE CLEANED	EMPLOYEE	EMPLOYEE	WATER QUALITY
Hilltop Professional Plaza	2-48" C.M.P.	Nov 18, 2019	Whelan	Salas
Basswood & Higgins Rd(Rt. 72)	78" C.M.P.			
Basswood and Hawthorn	78" Concrete precast into creek	Nov 18, 2019	Whelan	Salas
Aspen Dead End	Creek	Nov 18, 2019	Whelan	Salas
925/945 Ash	Vault	Nov 18, 2019	Whelan	Salas
1000/1005 Apricot	48" C.M.P. Vaults into creek	Nov 18, 2019	Whelan	Salas
1100 Apple	Retention			
960 Apple	Retention			
1045 Apple	48" C.M.P. into creek			
130 Hawthorn	78" concrete precast vault from retention into creek			

Comments	
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PARCEL B

LOCATION AND AREA	DATE CLEANED	EMPLOYEE	EMPLOYEE	WATER QUALITY
Audobon and Higgins (Rt. 72)	48" C.M.P			
Almond and Higgins (Rt. 72)	54" C.M.P / A			
745 Alhambra	54" C.M.P / B			
325 Arizona(Fairview School)	Culvert into creek	Nov 18, 2019	Whelan	Salas
Ashland Dead End	C.M.P. outflow to Golf Course			

Comments	
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Key

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R.C.P.- Reinforced concrete pipe

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HOFFMAN ESTATES

UNDERGROUND AND CONSTRUCTION

STORM SEWER DIVISION

Storm System Checks South

PARCEL C

LOCATION AND AREA		DATE CLEANED	EMPLOYEE	EMPLOYEE	WATER QUALITY
Rt. 72 in front of Hoffman Lanes	Ditch line				
Grand Canyon and Higgins (Rt. 72)	Culvert	Nov 18, 2019	Whelan	Kassal	
Grand Canyon Retention(Community Pool)	42" C.M.P.	Nov 18, 2019			
Spring Mill Retention(Across from W Berkeley)	54" C.M.P.	Nov 18, 2019			
615 Washington(Lake view Lake/Evergreen PK)	18" P.V.C.	Nov 18, 2019			

Comments	
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PARCEL D

LOCATION AND AREA		DATE CLEANED	EMPLOYEE	EMPLOYEE	WATER QUALITY
Partridge Hill and Bode	21" C.M.P				
Behind 1245W Dexter(W Dexter Lake/Chestnut Park)	24" R.C.P.	Nov 18, 2019	Whelan	Kassal	
1144 Kingsdale (Victoria Park)	Vault				

Comments	
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HOFFMAN ESTATES

UNDERGROUND AND CONSTRUCTION

STORM SEWER DIVISION

Storm System Checks South

HIGHLANDS

LOCATION AND AREA		DATE CLEANED	EMPLOYEE	EMPLOYEE	WATER QUALITY
340 Frederick (Locust Park)	24" C.M.P.				
Highland Lake (Highland Park)	18" R.C.P.				
290 Larchmont, Dead End	36" R.C.P.				

Comments	
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MOON LAKE

LOCATION AND AREA		DATE CLEANED	EMPLOYEE	EMPLOYEE	WATER QUALITY
Moon Lake by Brookside	54" C.M.P.	Nov 18, 2019	Whelan	Kassal	
1440 Brookside	Vault		Whelan	Kassal	

Comments	
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Key

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HOFFMAN ESTATES

UNDERGROUND AND CONSTRUCTION

STORM SEWER DIVISION

Storm Sytem Checks South

HIGHPOINT

LOCATION AND AREA	DATE CLEANED	EMPLOYEE	EMPLOYEE	WATER QUALITY
Behind 845 Heather	Nov 15, 2019	Whelan	Kassal	
Hassell and Rosedale W	Culvert			
Park view Cir East(Cottonwood Park)	Creek line			
Hassell and Huntington	Culvert			
Hassell and Kensington(Poplar Park)	12" R.C.P.			
2400 Hassell	Culvert			
2400 Hassell Lake	24" C.M.P.			
Behind Barrington Lakes Apt	Creek line			

Comments	
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HIGHPOINT PARK/ TWINS SYSTEM

LOCATION AND AREA	DATE CLEANED	EMPLOYEE	EMPLOYEE	WATER QUALITY	Lake Level
Highpoint Lake Outflow(Highpoint Park)	Nov 15, 2019	Whelan	Kassal		
Manhole 100' East of Outflow Headwall		Whelan	Kassal		N/A
Manhole 400' East of Headwall between asphalt drive and sidewalk	78" Concrete precast into creek	Whelan	Kassal		N/A
Manhole Front SE c/o MacArthur School	Creek	Whelan	Kassal		N/A
Manhole 1095 Hillcrest	Vault				N/A
Inlet 995 Hillcrest	48" C.M.P. Vaults into creek				N/A
Inlet 985 Hillcrest	Retention				N/A
Inlet @ 960 Hillcrest and Inlet SW c/o Hillcrest and Heather	Retention				N/A
NE c/o Lake South Twin Outflow	36" C.M.P.				
NE c/o Lake beside 875 Rosedale North Twin Outflow	27" R.C.P.				
3 Beehives by Nicor (Rosedale)	Nov 15, 2019	Whelan	Kassal		N/A
Outflow @ Northview Dead End and under Northwest Tollway	27" R.C.P	Whelan	Kassal		N/A
1040 Rosedale (Beehive in rear yard, on Nicor Property)	Beehive				N/A

Comments	
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**ATTACHMENT
FOR
BMP C.9**

Village Webpage

Stormwater Pollution Prevention

The Village of Hoffman Estates discharges stormwater from its storm sewer system under the IEPA General National Pollutant Discharge Elimination System Permit No. ILR40.

As a condition of the permit, the Village is required to set goals for a five-year period in order to reduce pollution to the receiving waters. These goals are described in the [Notice of Intent](#).

After each program year, the Village must document its status of compliance with and any changes to the Notice of Intent in an annual Facility Inspection Report. Below is a list of recent reports:

- [Annual Report 2013-2014](#)
- [Annual Report 2015-2016](#)
- [Annual Report 2016-2017](#)
- [Annual Report 2017-2018](#)
- [Annual Report 2018-2019](#)

Stormwater Management Plan

The Village of Hoffman Estates' General Permit ILR40 requires the Village to develop, implement, and enforce a stormwater management program designed to protect water quality and prevent and reduce pollution from its storm sewer system to the maximum extent practicable.

To comply with ILR40 Permit requirements, the Village's Stormwater Management Plan, along with the Notice of Intent (NOI) and Annual Facilities Reports are designed to provide the IEPA and the residents of Hoffman Estates with an understanding of the measures the Village employs to ensure public health and safety by reducing pollution into the receiving waters.

This is achieved through the implementation of six minimum control measures and related best management practices (BMPs) for each. More details are located in the Village's [Stormwater Management Plan](#) document.

How To Report Violations, Illegal Dumping or Pollutants

If you see someone pouring a substance into an inlet or waterway in Hoffman Estates that you suspect is a pollutant, contact the Village Public Works Department, Monday through Friday until 4:00 p.m. at (847) 490-6800 or after hours and on weekends, call the Police non-emergency line at (847) 882-1818.

**ATTACHMENT
FOR
BMP C.10**

Sample Grate

BMP C.10 Other Illicit Discharge Controls - Sample Grate



ATTACHMENT
FOR
BMP D.1/D.2/D.4/D.6
&
BMP E.2/E.3/E.4/E.5/E.6

Village Ordinance/Code

MUNICIPAL CODE OF HOFFMAN ESTATES, ILLINOIS

Published in 1955 by Order of the Village Board
Republished in 2001 by Order of the Village Board

The logo for Municode, featuring the word "municode" in a lowercase, sans-serif font. The "muni" is in black and "code" is in red.

Municipal Code Corporation | P.O. Box 2235 Tallahassee, FL 32316
info@municode.com | 800.262.2633
www.municode.com

CURRENT OFFICIALS of the VILLAGE OF HOFFMAN ESTATES, ILLINOIS

William D. McLeod
Mayor

Karen V. Mills
Anna Newell
Gary J. Pilafas
Gary Stanton
Michael Gaeta
Gayle Vandenberg
Village Board

Arthur L. Janura, Jr.
Corporation Counsel

Bev Romanoff
Village Clerk

James H. Norris
Village Manager

This Republication constitutes a complete codification of the general and permanent ordinances of the Village of Hoffman Estates, Illinois.

Source materials used in the preparation of the Republication was the Village Code of 1955, as updated through December, 2000. The source of each section is included in the history note appearing in parentheses at the end thereof. The absence of such a note indicates that the section is new and was adopted for the first time with the adoption of the Code. By use of the comparative table appearing in the back of this Code, the reader can locate any section of any subsequent ordinance included herein.

Chapter and Section Numbering System

The chapter and section numbering system used in this Code is the same system used in many state and local government codes. Each section number consists of two parts separated by a dash. The figure before the dash refers to the chapter number, and the figure after the dash refers to the position of the section within the chapter. Thus, the second section of chapter 1 is numbered 1-2, and the first section of chapter 6 is 6-1. Articles may be placed at the end of the chapter embracing the subject, and, in the case of divisions, may be placed at the end of the article embracing the subject. The next successive number shall be assigned to the new article or division. New chapters may be included by using one of the reserved chapter numbers. Care should be taken that the alphabetical arrangement of chapters is maintained when including new chapters.

Indexes

The indexes have been prepared with the greatest of care. Each particular item has been placed under several headings, some of which are couched in lay phraseology, others in legal terminology, and still others in language generally used by local government officials and employees. There are numerous cross references within the indexes themselves which stand as guideposts to direct the user to the particular item in which the user is interested.

Looseleaf Supplements

A special feature of this publication is the looseleaf system of binding and supplemental servicing of the publication. With this system, the publication will be kept up-to-date. Subsequent amendatory legislation will be properly edited, and the affected page or pages will be reprinted. These new pages will be distributed to holders of copies of the publication, with instructions for the manner of inserting the new pages and deleting the obsolete pages.

Keeping this publication up-to-date at all times will depend largely upon the holder of the publication. As revised pages are received, it will then become the responsibility of the holder to have the amendments inserted according to the attached instructions. It is strongly recommended by the publisher that all such amendments be inserted immediately upon receipt to avoid misplacing them and, in addition, that all deleted pages be saved and filed for historical reference purposes.

Acknowledgments

The publisher is most grateful to Mr. Christopher J. Nelson, Assistant to Village Manager, for his cooperation and assistance during the progress of the work on this publication. It is hoped that his efforts and those of the publisher have resulted in a Code of Ordinances which will make the active law of the city readily accessible to all citizens and which will be a valuable tool in the day-to-day administration of the city's affairs.

This republication was under the direct supervision of John Dombroski, Vice President for Supplements, and Janet Cramer, Editor, of the Municipal Code Corporation, Tallahassee, Florida. Credit is gratefully given to the other members of the publisher's staff for their sincere interest and able assistance throughout the project.

Copyright

All editorial enhancements of this Code are copyrighted by Municipal Code Corporation and the Village of Hoffman Estates, Illinois. Editorial enhancements include, but are not limited to: organization; table of contents; section catchlines; prechapter section analyses; editor's notes; cross references; state law references; numbering system; code comparative table; state law reference table; and index. Such material may not be used or reproduced for commercial purposes without the express written consent of Municipal Code Corporation and the Village of Hoffman Estates, Illinois.

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CHAPTER 10 – SUBDIVISION CODE

ARTICLE 3 – LAND IMPROVEMENTS

Sec. 10-3-13. - Erosion and sedimentation control.

- A. *General Principles.* It is the objective of this Section to control soil erosion and sedimentation caused by development activities in the Village. Measures taken to control erosion and sedimentation shall be adequate to assure that sediment is not transported from the site and shall be in accordance with the "Procedures and Standards for Urban Soil Erosion and Sedimentation Control" adopted by the North Cook County Soil and Water Conservation District (or Kane-DuPage Soil and Water Conservation District, where appropriate). The following principles shall apply to all development activities within the Village and to the preparation of the submissions required under Section 10-3-14[.]
1. Development should be related to the topography and soils of the site so as to create the least potential for erosion. Areas of steep slopes where high cuts and fills may be required should be avoided wherever possible, and natural contours should be followed as closely as possible.
 2. Natural vegetation should be retained and protected wherever possible. Areas immediately adjacent to natural watercourses should be left undisturbed wherever possible.
 3. The smallest practical area of land should be exposed for the shortest practical time during development.
 4. Sediment basins, debris basins, desalting basins, silt traps or filters must be installed and maintained to remove sediment from run-off waters on land undergoing development. Soil erosion control measures must be in place prior to any construction.
 5. The selection of erosion and sedimentation control measures should be based on assessment of the probable frequency of climatic and other events likely to contribute to erosion, and on evaluation of the risks, costs and benefits involved.
 6. In the design of erosion control facilities and practices, aesthetics and the requirements of continuing maintenance should be considered.
 7. Provision should be made to accommodate the increased run-off caused by changed soil and surface conditions during and after development. Drainageways should be designed so that their final gradients and the resultant velocities of discharges will not create additional erosion.
 8. Permanent vegetation and structures should be installed as soon as practical during development. Refer to Article 4 of this Code for a listing of recommended planting seasons.

(Ord. No. 4360-2013, § 1(Exh. A), 3-18-13)

ATTACHMENT
FOR
BMP F.1

Sample Training Handouts/Information

Order Confirmation for 2019 DuPage County Parking Lot & Sidewalks Deicing Workshop

Eventbrite <orders@eventbrite.com>

Tue 9/17/2019 12:09 PM

To: Kelly Kerr <Kelly.Kerr@Hoffmanestates.org>

Eventbrite

**Kelly,
you're good to go**

Eventbrite

Get the app

2019 DuPage County Parking Lot & Sidewalks Deicing Workshop

2019 DuPage County Parking Lot & Sidewalks Deicing

1 x Ticket

Order total: \$25.00

Thursday, October 17, 2019 from 7:30 AM to 12:30 PM (CDT)

Add to [Google](#) · [Outlook](#) · [iCal](#) · [Yahoo](#)

DuPage Dept. of Transportation

140 N. County Farm Road
Wheaton, IL 60187
[\(View on map\)](#)

[View event details](#)

DuPage River Salt Creek Workgroup

Follow

Questions about this event?

[Contact the organizer](#)

Order Summary

Order [#1059982097](#) - September 17, 2019

Marc Marcelo	1 x General Registration	\$25.00
--------------	---------------------------------	---------

\$25.00

[View and manage your order online](#)

Charged to the MasterCard card ending in *3661

Appears on your card statement as "EB *2019 DuPage County"

[Contact the organizer](#) for any questions related to this purchase.

This order is subject to Eventbrite [Terms of Service](#), [Privacy Policy](#), and [Cookie Policy](#).

Your tickets

1 eTicket

The organizer will follow up with instructions on how to redeem your ticket and access the event.

Additional Information

The event organizer has provided the following information:

You are registered for the DRSCW's Parking Lots & Sidewalks Deicing Workshop.

Please go to <https://www.pca.state.mn.us/sites/default/files/p-tr1-10.pdf> to download (and/or print) the Fortin Parking Lots & Sidewalk Manual; and bring the manual to the workshop. There will be an open book test.

We look forward to seeing you:

Date: Thursday, October 17, 2019

Time: 7:30 am - 12:30 pm (check-in and breakfast begin at 7:30)

Location: DuPage County Division of Transportation (140 N. County Farm Road, Wheaton, IL)

While refunds are not available, participant substitutions are accepted. Please contact Nancy Cinatl at ncinatl@theconservationfoundation.org or 630-690-2110 X120 with any questions.

Eventbrite



This email was sent to kelly.kerr@hoffmanestates.org

Eventbrite | 155 5th St, 7th Floor | San Francisco, CA 94103

Copyright © 2019 Eventbrite. All rights reserved.

McHenry County DOT Workshop

Kelly Kerr <Kelly.Kerr@Hoffmanestates.org>

Tue 9/17/2019 12:54 PM

To: Jeff Allen <Jeffrey.Allen@Hoffmanestates.org>; Jeremy Jahnke <Jeremy.Jahnke@hoffmanestates.org>; Joe Capiga <Joe.Capiga@hoffmanestates.org>; John Kovaka <John.Kovaka@hoffmanestates.org>; Kevin McGraw <Kevin.McGraw@Hoffmanestates.org>; Nick Lackowski <Nicholas.Lackowski@Hoffmanestates.org>; Roger Golbach <Roger.Golbach@Hoffmanestates.org>

 1 attachments (332 KB)

Sensible Salting Workshop_2019 Flyer_FINAL.PDF;

Gentlemen,

Attached is the flyer for this year's Sensible Salting Workshop. In addition to a couple supervisors signed up to attend the event, we have signed up 6 crew members that for one reason or another were selected to attend. The seminar is on Tuesday, November 5 from 8:00 am until 2:00 pm. For those of you that live in that area I have no issue with you taking your own vehicle from your residence but I do need to know who will be leaving from their home. Following is the list of attendees...

Roger Golbach
John Kovaka

Ken Edwards
Art Beese
Mike Backstrom
Casey Wintz
Steve McKittrick
Bob Melhuish

Nick, Joe, Jeff, John & Roger please let your employees who are attending know about the date, time, etc.

Thank you,

Kelly Kerr

Assistant Director of Public Works
Village of Hoffman Estates
2305 Pembroke Ave
Hoffman Estates, IL 60169
847-490-6800 office
847-781-2704 direct

McHenry County Sensible Salting Workshop

WHO: Public and Private Sector Employees Responsible for Roads, Sidewalks and Parking Lots
DATE: Tuesday 11/5, Wednesday 11/6, or Thursday 11/7 (choose one day only)
TIME: 8:00 AM - 2:00 PM *Registration begins at 7:30 AM
!!! NEW LOCATON !!! McHenry County Division of Transportation, 16111 Nelson Rd, Woodstock, IL 60098

Sensible Salting

Removal of snow and ice from pavement is essential for public safety and the local economy. Pavement de-icing products, including sodium chloride (common salt) and other chloride-based chemicals, are widely used and can be effective in maintaining safe travel conditions. Unfortunately deicing chemicals are corrosive to vehicles, roadway surfaces, parking lots, bridges and other infrastructure.

Conventional practices commonly apply excessive amounts of deicing chemicals, far beyond what is needed to maintain safety. These excess applications provide no benefit to the public but come at great economic and environmental cost. Since there are currently no viable alternatives to chloride-based chemicals for snow and ice management, the best option to use them more intelligently.

Deicing chemicals kill vegetation and wildlife, degrade aquatic habitat, and pollute water. Research also shows that chlorides from deicing chemicals are increasing in groundwater, thereby contaminating McHenry County's only source of drinking water.

Sensible Salting

"The use of Best Management Practices for snow/ice control that maintains safety for pedestrians, drivers, vehicles and property while eliminating the unnecessary use of salt in order to minimize impacts to water and the environment."



Workshop Updated for 2019!!!

This workshop will be conducted by the McHenry County Division of Transportation and Division of Water Resources, the Village of Algonquin, and the City of Crystal Lake. Calibration training provided by MDOT staff.

Registration fee includes: course materials, breakfast, lunch, refreshments, and the opportunity to receive Level 1 Certification: Snow & Ice Best Management Practices.

Training Topics Include:

- Application Rates
- Liquids
- Weather Conditions
- Material Storage
- Levels of Service
- Truck Washing
- New Maintenance Methods
- Environmental Effects
- State/Local Law

Demonstration/Hands-on:

- Calibrating Equipment
- Anti-Icing

Who Should Participate:

- Public works superintendents, managers, directors
- Snow Plow Operators/De-icing applicators
- Contractors maintaining private/public walkways and/or parking lots
- Property Managers writing de-icing contracts
- Distributors of anti-icing/de-icing products
- Others responsible for winter maintenance

Need More Information?

Contact: McHenry County Dept. of Planning & Development
 Phone: (815) 334-4560

Register Online at
www.mchenryh2o.com

Or mail in the Registration Form as directed below

2016 Attendees:

This is the year to renew!

6 PDH's are available.

Sponsored By...



Workshop Date: Please indicate 1st and 2nd choices

_____ Tuesday November 5, 2019
 _____ Wednesday November 6, 2019
 _____ Thursday November 7, 2019

Registration Form

Name _____
 Title _____
 Organization _____
 Address _____
 City/State/Zip _____
 Phone _____
 E-Mail _____

Registration Information:

Workshop Registration Fee: \$25.00*

*Breakfast, Snacks, Lunch and Refreshments included in fee.

Please make checks payable to:

McHenry County Dept. of Planning & Development

Mail Checks and Registration to:

McHenry County Dept. of Planning & Development
 2200 N. Seminary Ave., Suite 208
 Woodstock, IL 60098

Payments & registration and must be received by:

Friday, October 25, 2019



STORM WATER Requirements Summary

Storm Water Pollution Prevention Plans (PPPs)

Companies and municipalities who must file general storm water permits must complete and implement storm water pollution prevention plans. Although the plans need not be submitted to the EPA, they must be on file and available to an EPA inspector.

Baseline pollution prevention plans have two major objectives — to identify potential sources of pollution and to describe the practices the company will follow to reduce pollutants in storm water discharges.

1. **Pollution Source Identification.** Typical source identification plan components include:
 - Mapping the drainage site;
 - Estimating the area of impervious surfaces and the total areas drained by each outfall;
 - Describing specified features that may impact the pollution potential of a discharge;
 - Listing significant spills and leaks of toxic or hazardous pollutants that occurred at the facility after the effective date of the permit;
 - Predicting the direction, rate, types, and total quantity of pollutants that may be present in discharges at your location; and
 - Summarizing existing sampling data describing pollutants in storm water discharges.
2. **Best Management Practices to Reduce Pollutants.** Typical pollution prevention plan components include:
 - Establishing a pollution prevention committee;
 - Identifying risks from materials present at the site;
 - Instituting a preventive maintenance program;
 - Implementing good housekeeping procedures;



STORM WATER Requirements Summary

- Establishing spill prevention and response plans;
- Developing sediment and erosion prevention plans;
- Training employees in company plans and procedures;
- Conducting periodic inspections of the facility;
- Keeping appropriate records and reports; and
- Certifying that storm water discharges have been tested for the presence of non-storm water pollution sources.

Duty to Reapply

NPDES permits are effective for a fixed term not to exceed 5 years. Permittees who wish to continue any activity regulated by a NPDES permit after its expiration date must apply for and obtain a new permit. Permittees must submit a new application 180 days before the existing permit expires unless permission for a later date has been granted. Reapplication details are found in 40 CFR 122.21, 122.41 and 122.46.

The EPA administrators of regions 1, 2, 3, 4, 6, 9 and 10 have announced that the Agency does not intend to reissue the NPDES storm water baseline industrial general permit and is proposing to terminate this permit. As a result, all industrial facilities previously permitted under the baseline permit would be required to obtain storm water permit coverage under the multi-sector general permit (MSGP), which was finalized on September 30, 1998, or to submit an application for an individual permit. For more information, see the July 11, 1997 *Federal Register* or contact your regional EPA storm water coordinator.

Reporting

Industry-specific semi-annual monitoring and annual reporting requirements are established for storm water discharges associated with industrial activity from six classes of industries:

- Certain SARA Title III, Section 313 facilities;
- Primary metal facilities;
- Land disposal units;

ATTACHMENT
FOR
BMP F.2

Village Drainage System Maintenance SOP

**VILLAGE OF HOFFMAN ESTATES
PUBLIC WORKS DEPARTMENT
DRAINAGE SYSTEM MAINTENANCE
STANDARD OPERATING PROCEDURES**

I. OBJECTIVE

- A. These Standard Operating Procedures (SOP) specify responsibilities and procedures for inspecting and cleaning the streams, ditches and storage basins in the Village of Hoffman Estates.

II. RESPONSIBILITIES

- A. The Director of Public Works is responsible for the administration of this Standard Operating Procedures and the performance of the Village of Hoffman Estates staff identified herein.
- B. The Director of Public Works is responsible for:
1. Inspecting the streams, ditches and storage basins in accordance with this Standard Operating Procedures and in response to complaints and inquiries received by the Village of Hoffman Estates.
 2. Forwarding drainage problem reports to the appropriate office for action.
 3. Serving maintenance notices to private property owners.
 4. Cleaning the streams, ditches and storage basins on public property, right-of-ways and easements in accordance with these Standard Operating Procedures.
 5. Monitoring the streams, ditches and storage basins in the Village of Hoffman Estates parks and required cleaning in accordance with these Standard Operating Procedures.
- C. The Chief of Police and/or the Building Official is responsible to enforce the Village of Hoffman Estates Municipal Code and related regulations on dumping or depositing material in the drainage system. The Chief of Police and/or the Building Official are also responsible for serving maintenance notices to private property owners.

- D. All work on Illinois Department of Transportation or Cook County property shall be coordinated with the appropriate state and county offices.
- E. Property owners are responsible for maintaining the streams, ditches and detention basins on their properties.

III. JURISDICTION

- A. These Standard Operating Procedures cover all the public and private surface facilities delineated on the drainage system map, provided as Attachment 1.
- B. Jurisdiction includes: all creeks, ditches, detention areas, and retention within the Village.

IV. IDENTIFICATION OF PROBLEMS

- A. The Village Engineer or his/her designee and/or Director of Public Works or his/her designee shall inspect all the watercourses and basins in the drainage system.
- B. Frequency should be at least semi-annual and during storm season.
- C. When a major storm forecast is received, Director of Public Works or his/her designee shall check the outlet, flow and report the water level of the following lakes: (level in feet above the outlet elevation)

High Point Lake

North/South Twin Lakes

Ray Kessel Lake (Highland Blvd. & Jones) and contact Village of Schaumburg as needed.

Highland Lake

- C. Within 24 hours of a major storm, Village Engineer or his/her designee and/or Director of Public Works or his/her designee shall inspect the “choke points” where debris has been known to accumulate.
- D. See inspection log for locations.
- E. The Village Engineer or his/her designee and/or Director of Public Works or his/her designee shall complete the Drainage Inspection Report after each

inspection. If an inspection finds a problem, a Drainage Problem Report shall be completed and forwarded to the appropriate office. A copy of the report shall be kept in an appropriate file.

- F. The Village Engineer or his/her designee and/or Director of Public Works or his/her designee shall inspect all complaints submitted by residents, community officials or other community offices. Such complaints shall be recorded on the Drainage Problem Report form.

ATTACHMENT
FOR
BMP F.3

See BMP A.1 - Sample Article

ATTACHMENT
FOR
SECTION C

Results of Information Collected/Analyzed/Monitoring

**DRSCW ILR40 Activities
March 2019 – February 2020**

PART I. COVERAGE UNDER GENERAL PERMITS ILR40

Not applicable to the work of the DRSCW.

PART II. NOTICE OF INTENT (NOI) REQUIREMENTS

Not applicable to the work of the DRSCW.

PART III. SPECIAL CONDITIONS

Not applicable to the work of the DRSCW.

PART IV. STORM WATER MANAGEMENT PROGRAMS

A. Requirements

Not applicable to the work of the DRSCW.

B. Minimum Control Measure

1. Public Education and Outreach on Stormwater Impacts

DRSCW outreach activities for the year ending 2019 included:

- The DRSCW website was updated and maintained during the reporting period and periodically updated with presentations and material (www.drscw.org).
- A searchable database with information on local aquatic biodiversity (IBIs), habitat (QHEI), and sediment and water column chemistry was maintained and periodically updated.
- Public information available on the website includes:
 - Chloride Fact Sheets aimed at mayors and managers, public works staff, commercial operators, and homeowners.
 - Model salt Storage and Handling Ordinances and Policies.
 - Model Facilities Plan for Snow and Ice Control.
 - A fact sheet summarizing alternative deicing products.
 - Information of effective operating parameters for commonly used anti icing compounds.
 - Parking lots chloride application rate guidance example sheet and aide memoire.
 - A brochure on coal tar sealants as a source of Polycyclic Aromatic Hydrocarbons (PAHs) aimed at homeowners (produced by the University of New Hampshire Stormwater Center).
 - Detailed reports on the biological and chemical conditions of area waterways.

Technical Presentations

Workgroup meetings: The Workgroup hosts bimonthly meetings where technical presentations are made on a variety of water quality topics and surface water management subjects. The audience consists of mainly stormwater and wastewater professionals but the public is welcome to attend. Presentations made during the period March 1, 2019 to February 28, 2020 are listed below. Selected presentations are made available on the DRSCW website and upon request.

April 24, 2019 – DuPage River/Salt Creek Watershed Total Maximum Daily Loads (TMDL) Report Draft Stage 3 Report. Presenter: Abel Haile, Illinois Environmental Protection Agency and Jennifer Olson, Tetra Tech

June 26, 2019 – Chloride Program Update. Presenter: Daniel G. Bounds, P.E., D.WRE, Infrastructure Department Manager, Baxter & Woodman Consulting Engineers

June 26, 2019 – Graue Mill Public Research Final Report. Presenter: Deanna Doohaluk, The Conservation Foundation/DuPage River Salt Creek Workgroup

August 28, 2019 – The effect of floods on ecosystem metabolism in suburban streams. Presenter: Karoline Qasem, PhD, Senior Staff Professional, Geosyntec Consultants

August 28, 2019 – Spring Brook Phase 2. Presenter: Erik Neidy, Director of Natural Resources, Forest Preserve District of DuPage County

October 30, 2019 – Phosphorus Reductions through Leaf Litter Management. Presenter: Bill Selbig, United States Geological Service

October 30, 2019 – What is Growing on Salt Creek? Presenter: Deanna Doohaluk, The Conservation Foundation/DuPage River Salt Creek Workgroup

December 11, 2019 – Contaminants of Emerging Concern. Presenter: Sarah Zack, Pollution Prevention Extension Specialist, Indiana-Illinois Sea Grant

Other Water Quality Presentations or Workshops by the DRSCW

February 13, 2019 – NARP Panel, 2019 Illinois Wastewater Professionals Conference, Champaign, Illinois. Presenter: Deanna Doohaluk, The Conservation Foundation/DuPage River Salt Creek Workgroup

February 13, 2019 – NARP Panel, 2019 Beyond Steam Bank Stabilization Illinois Wastewater Professionals Conference, Champaign, Illinois. Presenter: Stephen McCracken, The Conservation Foundation/DuPage River Salt Creek Workgroup

February 21, 2019 – DRWW Annual Meeting, NARP Work Plan, Libertyville, Illinois. Presenter: Deanna Doohaluk, The Conservation Foundation/DuPage River Salt Creek Workgroup

March 6, 2019 – IWEA Watershed Committee NARP Workshop, Stakeholder Engagement and Panel, Itasca, Illinois. Presenter: Deanna Doohaluk, The Conservation Foundation/DuPage River Salt Creek Workgroup

March 6, 2019 – IWEA Watershed Committee NARP Workshop, Looking Beyond POTW Limits and Panel, Itasca, Illinois. Presenter: Jennifer Hammer, The Conservation Foundation/DuPage River Salt Creek Workgroup

March 6, 2019 – IWEA Watershed Committee NARP Workshop, Panel, Itasca, Illinois. Presenter: Stephen McCracken, The Conservation Foundation/DuPage River Salt Creek Workgroup

March 15, 2019 – Chloride Trends in NE Illinois, Illinois Lakes Management Association Conference, Crystal Lake, Illinois. Presenter: Stephen McCracken and Deanna Doohaluk, The Conservation Foundation/DuPage River Salt Creek Workgroup

May 16, 2019 – IPS Update, Lower DuPage River Watershed Coalition, Plainfield, Illinois. Presenter: Stephen McCracken, The Conservation Foundation/DuPage River Salt Creek Workgroup

May 23, 2019 – SaltSmart, APWA, Villa Park, Illinois. Presenter: Stephen McCracken and Jennifer Hammer, The Conservation Foundation/DuPage River Salt Creek Workgroup (McCracken and J. Hammer)

May 28, 2019 – Graue Mill Public Outreach Research, Forest Preserve District of DuPage County Board of Commissioners Planning Session, Naperville, Illinois. Presenter: Deanna Doohaluk, The Conservation Foundation/DuPage River Salt Creek Workgroup and Pete Gray, Aileron Communications

May 29, 2019 – Modifying the Graue Mill Dam, The Conservation Foundation Board, Naperville, Illinois. Presenter: Deanna Doohaluk, The Conservation Foundation/DuPage River Salt Creek Workgroup

September 9, 2019 – Optimizing Local Investments for Meeting In-Stream Designated Uses. WEFTEC, Chicago, Illinois. Presenter: Stephen McCracken, The Conservation Foundation/DuPage River Salt Creek Workgroup

September 18, 2019—Project Implementation and Aquatic Life Impacts. Salt Creek Chapter, ISPE. Presenter: Stephen McCracken, The Conservation Foundation/DuPage River Salt Creek Workgroup

October 15, 2019 – Implementing Projects to Improve Aquatic Communities, Arlington Anglers Fishing Club, Arlington Heights, Illinois. Presenter: Deanna Doohaluk, The Conservation Foundation/DuPage River Salt Creek Workgroup

October 17, 2019 – Parking Lots and Sidewalks Winter Salt Management, DuPage County DOT facility, Wheaton, Illinois. Presenter: Stephen McCracken, The Conservation Foundation/DuPage River Salt Creek Workgroup

October 24, 2019 – Public Roads Winter Salt Management Workshop, DuPage County DOT facility, Wheaton, Illinois. Presenter: Stephen McCracken, The Conservation Foundation/DuPage River Salt Creek Workgroup

November 8, 2019 – Chloride Management Presentation, Illinois Association of Wastewater Agencies (IAWA). Presenter: Stephen McCracken, The Conservation Foundation/DuPage River Salt Creek Workgroup

November 8, 2019 – Implementing Projects to Improve Aquatic Communities, Xylem with Beijing Drainage Group, Morton Grove, Illinois. Presenter: Deanna Doohaluk, The Conservation Foundation/DuPage River Salt Creek Workgroup

November 14, 2019 – Chloride Management for Facilities, IPRA Conference, Vernon Hills, Illinois. Presenter: Stephen McCracken, The Conservation Foundation/DuPage River Salt Creek Workgroup and Scott Weber, Village of Weber Hanover Park

November 14, 2019 -- IWEA NARP Workshop, Joliet, Illinois. Presenter: Deanna Doohaluk, The Conservation Foundation/DuPage River Salt Creek Workgroup and Nick Menninga, Downers Grove Sanitary District

December 19, 2019 – Chloride Management for Facilities, Sears Center, Hoffman Estates, Illinois. Presenter: Stephen McCracken, The Conservation Foundation/DuPage River Salt Creek Workgroup and Scott Weber, Village of Weber Hanover Park

January 30, 2020 – Chloride data collection and monitoring, PW Directors Working Group. Presenter: Stephen McCracken, The Conservation Foundation/DuPage River Salt Creek Workgroup, Dan Bounds, Baxter and Woodman and Scott Weber, Village of Weber Hanover Park

February 6, 2020 - -LTAP Drainage and Stormwater Conference, Purdue University, Indiana. Presenter: Stephen McCracken, The Conservation Foundation/DuPage River Salt Creek Workgroup

2. Public Involvement and Participation – no activities

3. Illicit Discharge Detection and Elimination – no activities

4. Construction Site Storm Water Runoff Control - no activities

5. *Post-Construction Storm Water Management in New Development and Redevelopment - no activities*

6. *Pollution Prevention/Good Housekeeping for Municipal Operations*

Chloride Questionnaires

The DRSCW has attempted to track adoption of sensible salting BMPs in the program area since 2007. Monitoring ambient chloride concentrations has proven an imperfect metric for tracking efficiency trends in winter salt use. Tracking target BMP adoption in the program area provides opportunities to evaluate the impacts of the chloride management workshops; identify material for future workshops and form suppositions about salt use per unit of service expended inside the program area relative to 2006 levels.

In 2007, 2010, 2012, 2014, 2016, and 2018, the DRSCW distributed a questionnaire to approximately 80 municipal highway operations and public works agencies to obtain information about deicing practices throughout the program area. The 2018 Deicing Program Summary Report was included with the 2018 DRSCW MS4 Activities report.

Chloride Reduction Workshops

During the 2019-2020 reporting period, the DRSCW held three chloride reduction workshops.

On April 12, 2019, the DRSCW in conjunction with Fortin Consulting held a Level 2 Chloride Training. The clinic focused on the use of the WMA_t (Winter Maintenance Assessment Tool) to review the organization's past, present, and future winter maintenance practices and create a series of reports for internal training, budgeting, and communicating with officials who fund maintenance work. Application of this tool will help an organization use less salt and apply it more efficiently. The DRSCW covered the costs for the clinic for all attendees. This is the first time this course was offered by the DRSCW as well as in the State of Illinois. The Level 2 Workshop was attended by 15 individuals representing 6 agencies/organizations including the Illinois State Highway Tollway Authority, DuPage County Department of Transportation, Fox Valley Park District, Village of Hanover Park, Good Samaritan Hospital and Robinson Engineering.

On October 24, 2019, the Public Roads Deicing Workshop (Plate 1) was held at DuPage County DOT with the following agenda:

7:00 – 7:30 Registration and Breakfast

7:30 – 7:35 Welcome and Housekeeping - *Jeff Pieroni, DuPage County Department of Transportation*

7:35 – 7:50 Trends in Chloride Water Quality and BMPs – *Stephen McCracken, DRSCW*

7:50 – 8:10 Chlorides and Your Agency’s MS4 Permit – *Dan Bounds, Baxter & Woodman*

Plate 1. DRSCW Public Road Deicing Workshop brochure, 2019.

8:10 – 8:40 Direct Liquid Application, Ohio DOT Experience – *Darian Grant, Ohio DOT*

8:40 – 8:55 BREAK (includes exhibitor mic time)

8:55 – 9:55 Operations Hour – *Ron Remmus, Village of Addison, Joe Mosher, Village of Hanover Park, Tom Ellis, Village of Lombard, TJ Countryman, Village of Schaumburg*

9:55– 10:35 Equipment Calibration Methods and Procedures – *Zach Barnwell & Mike Taylor, Force America*

10:35 – 10:50 BREAK (includes exhibitor mic time)

10:50 – 11:20 Using Weather and Pavement Forecasts for Operation and Decision Support - *Leah Dailey, Iteris*

11:20 – 11:50 Ask a Chemist - *Laura Fay, Western Transportation Institute – Montana State University*

11:50 – 12:00 Wrap Up, Evaluations, Equipment Show

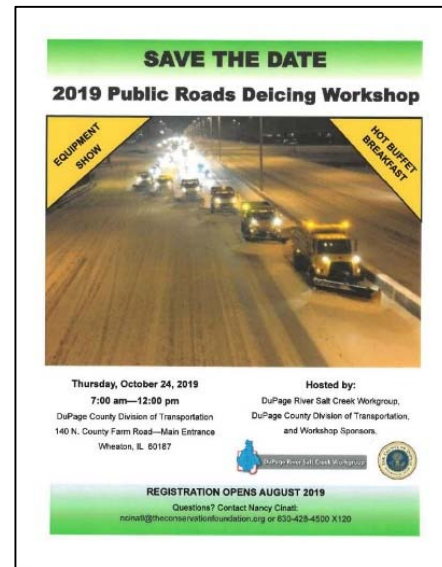
Attendance – 153 registered, 12 presenters/staff, 3 committee members/guests; 11 sponsors/exhibitors = 179 total. All participants received a certificate of attendance. Seventy-five (75) evaluation forms were completed by participants. A copy of the at registration list for the Public Roads Deicing Workshop is included in Attachment A.

On October 17, 2019 the Parking Lots and Sidewalks Deicing Workshop was held at DuPage County DOT (Plate 2) with the following agenda:

7:30 – 8:00 Registration & Breakfast

8:00 – 8:15 Ambient Conditions and Regulatory Update: *Stephen McCracken, The Conservation Foundation/DRSCW*

8:15 – 11:15 Information on developing efficient and cost-effective snow fighting operations, appropriate product selection, equipment selection, application rates, equipment calibration,



ambient conditions monitoring. *Presenters: Carolyn Dindorf, Fortin Consulting and Chris Walsh, (former Public Works Director, City of Beloit, WI)*

11:15 – 12:00 Test on Workshop Materials.

Attendance - 112 registrations, 4 presenters/staff, 5 exhibitors/staff = 89 total. All participants received a training certificate and participants who successfully completed the test are recognized on DuPage County Stormwater Management's Water Quality – Pollution Prevention/Good Housekeeping web page. The DRSCW received 97 program evaluations from participants. A copy of the registration list for the Parking Lots and Sidewalks Deicing Workshop is included in Attachment B.

Chloride Questionnaire

The DRSCW has attempted to track adoption of sensible salting BMPs in the program area since 2007.

Monitoring ambient chloride concentrations has proven an imperfect metric for tracking efficiency trends in winter salt use. Tracking target BMP adoption in the program area provides opportunities to evaluate the impacts of the chloride management workshops; identify material for future workshops and form suppositions about salt use per unit of service expended inside the program area relative to 2006 levels.

In 2007, 2010, 2012, 2014, 2016, and 2018 the DRSCW distributed a questionnaire to approximately 80 municipal highway operations and public works agencies to obtain information about deicing practices throughout the program area. Findings of the 2018 questionnaire were include in the 2018 Annual Report. A new questionnaire will be distributed in spring of 2020 and the results will be supplied in the 2020 MS4 Activities Report Report.

Ambient Impact Monitoring

DRSCW's Chloride Education and Reduction Program is performing an analysis to demonstrate an observable reduction in chloride loading within the water quality data collected since the beginning of program efforts. For over 10 years now, the program has been implementing numerous chloride reduction efforts, including:

- Annual Educational workshops (for public roads and parking lots/sidewalks)
- Equipment calibration training

Plate 2. DRSCW Parking Lots and Sidewalks Deicing Workshop brochure, 2019.



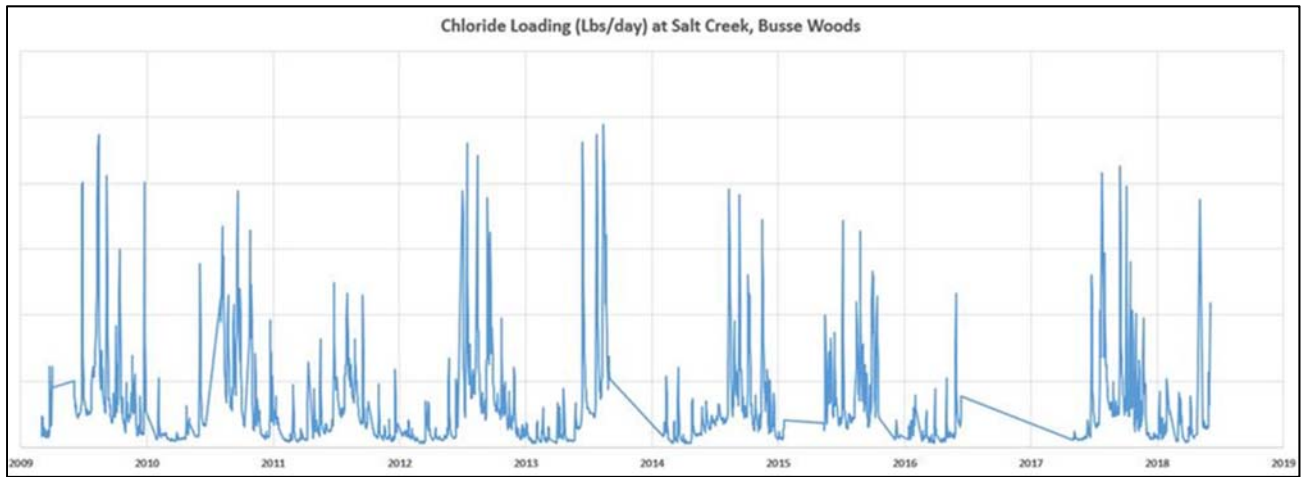
- Product and chemical alternative summaries
- Information dissemination on Equipment and salt application advancements
- Information dissemination on salt usage, storage and deicing best management practices
- Example salt use policies and management plans

The goal of the ongoing analysis is to see if these efforts are resulting in a discernable reduction of chloride loading using the instream water quality data collected by DRSCW from 2009 to present. This is challenging, as there are many factors that affect the resulting water quality data, including variability in winter weather over the years (temperatures and precipitation levels), inconsistency in municipal salt application events across the DRSCW watershed areas, and inconsistency in the way events are defined and tracked by municipalities. The variability inherent in winter weather conditions and municipal application practices and record keeping does not allow the loading data to show the effect of reduction practices without accounting for it in some way.

The approach consists of using direct chloride sampling and analysis concentration data collected by the DRSCW during its rolling bioassessment program (summer), along with adjusted specific conductivity concentration data collected by the DRSCW (summer and winter), and USGS flow data to calculate loading (in pound per day) of chloride for each DRSCW watershed over the past decade. The loading data will then be adjusted or normalized to account for weighted variabilities in winter weather and salt application events. The data is being analyzed by individual watershed and separately for summer and winter periods each year. The hope is that once adjusted for variabilities, the loading data will better show the effect of the program's salt use reduction training and best management practices implementation by municipalities on ambient water quality.

As of the time of this report, the data has been organized by watershed and season, and water quality loadings have been calculated for the study period (Figure 3). The next analysis steps will be to QAQC the calculations, and develop methods for accounting for the variability in temperatures and precipitation, municipal salt application events, and the way salt application events are defined and tracked. Adjustments will be performed using those methods, and the resulting loading trends will be presented in a future report. This analysis will provide an indication of the effectiveness of the DRSCW's chloride education and reduction efforts.

Figure 1. Chloride loading (Lbs/day) at Salt Creek, Busse Woods.



Ambient Winter Chloride Monitoring

Ambient monitoring of winter conductivity was carried out at 6 locations (see Map 1) in the program area in 2018-2019 (4 sites monitored by the DRSCW and 2 sites monitored by the Metropolitan Water Reclamation District of Greater Chicago (MWRDGC)). Conductivity is used to calculate chloride concentrations based on a relationship established by the DRSCW in 2007 and 2019 (so the data is referred to as calculated). Calculated Annual chloride concentrations for the winter months from 2006-2019 for the 6 sites are depicted in Figure 2-5.

Figure 2. Calculated annual chloride concentrations - winter months (2007-2019) for West Branch DuPage River at Arlington Drive (WBAD).

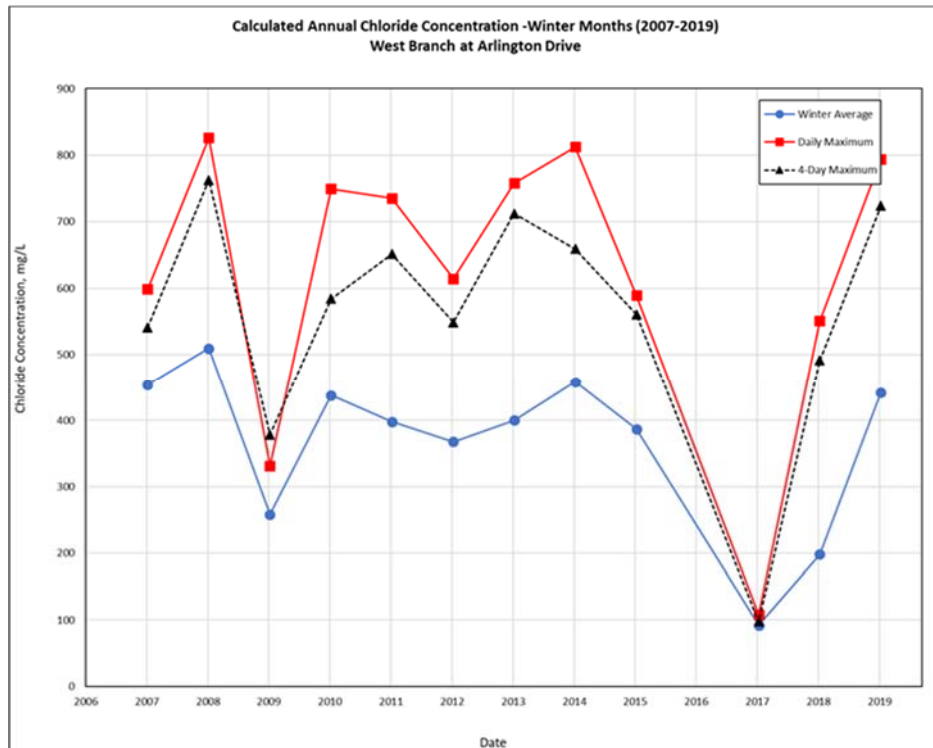


Figure 3. Calculated annual chloride concentrations - winter months (2018-2019) for West Branch DuPage River at Baily Road (WBNPV) (top panel) and (2006-2019) East Branch DuPage River at Army Trail Road (EBAT) (bottom panel).

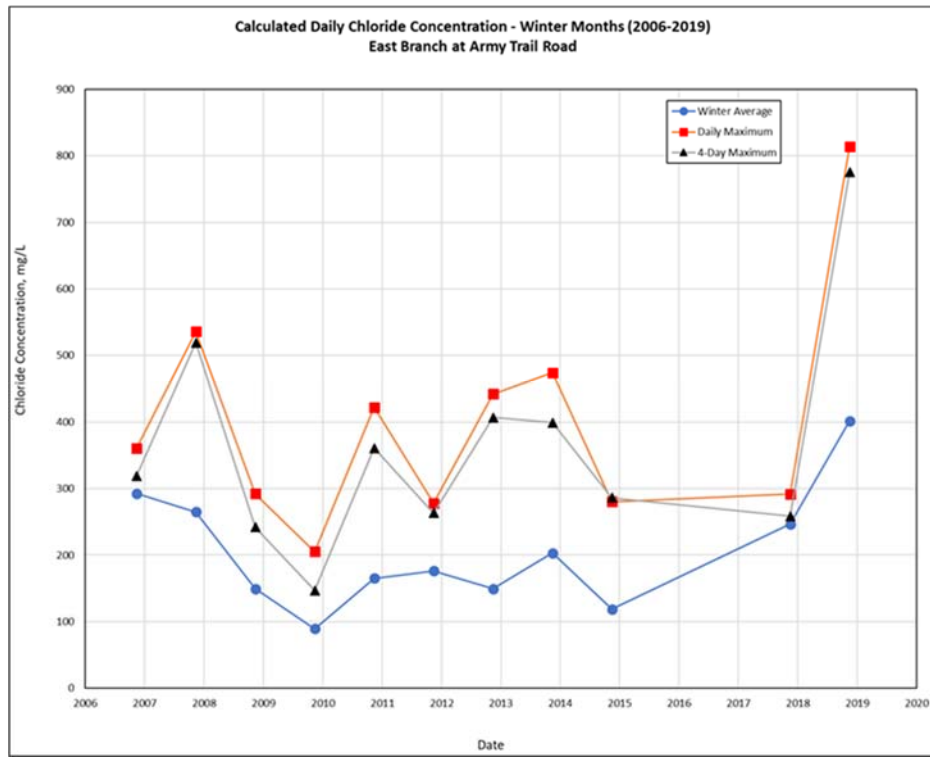
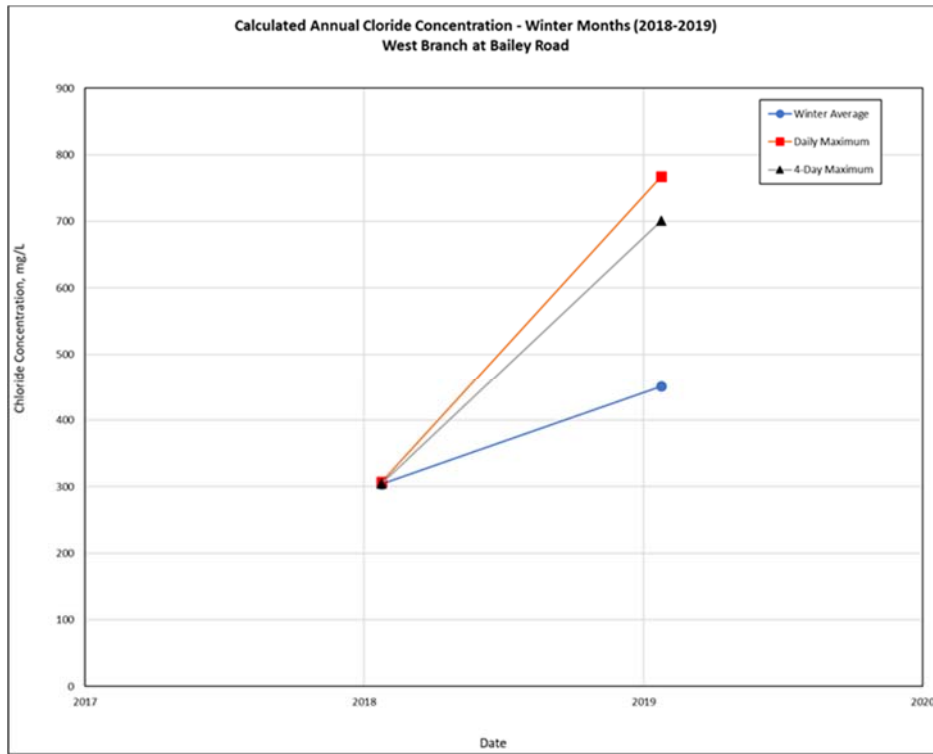


Figure 4. Calculated annual chloride concentrations - winter months (2008-2019) for East Branch at Hobson Road (EBHR) (top panel) and (2008-2019) Salt Creek at Busse Woods (SCBW) (bottom panel).

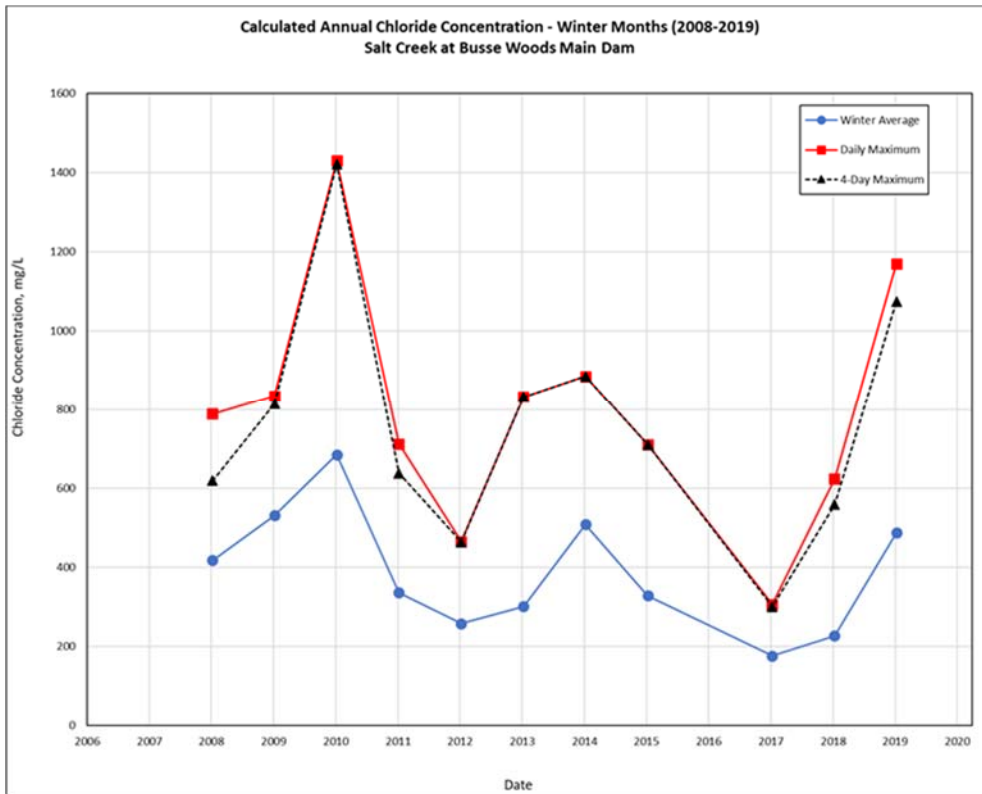
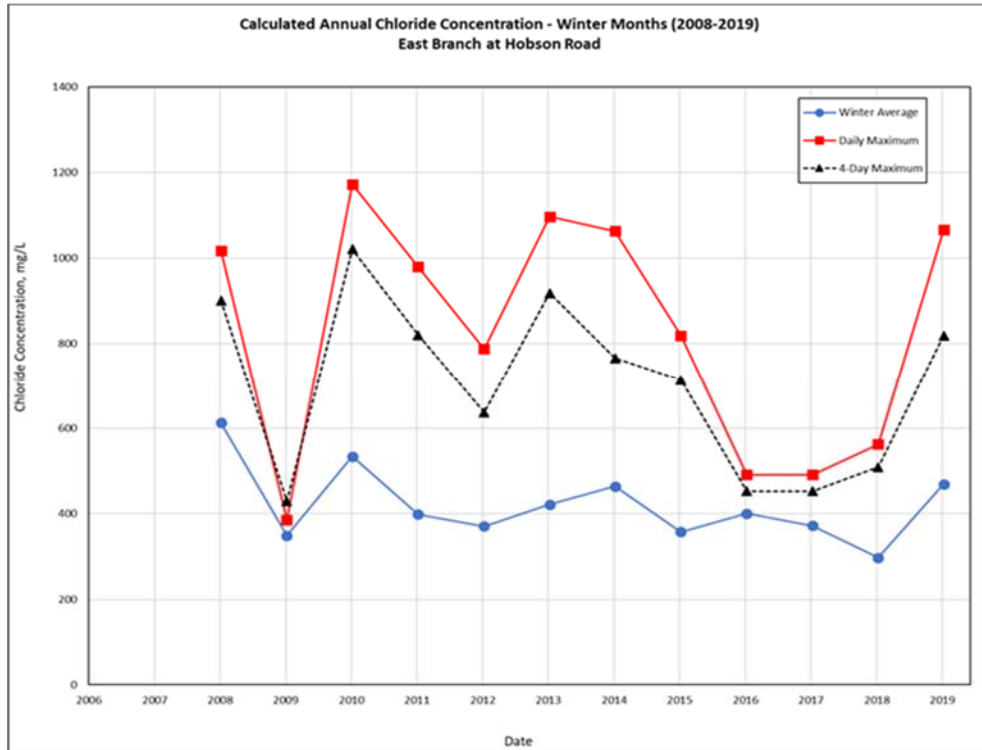
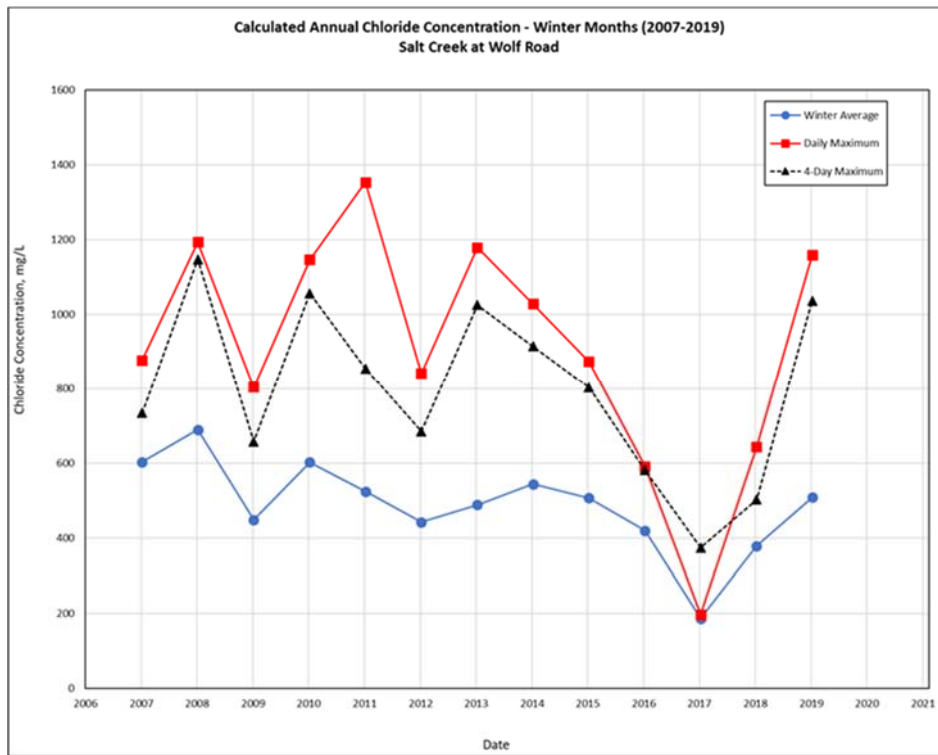


Figure 5. Calculated annual chloride concentrations - winter months (2007-2019) Salt Creek at Wolf Road (SCWR).



C. Qualifying State, Country or Local Program

Not applicable to the work of the DRSCW.

D. Sharing Responsibility

This report outlines the activities conducted by the DRSCW on behalf of its' members related to the implementation of the ILR40 permit. It is the responsibility of the individual ILR40 permit holders to utilize this information to fulfill the reporting requirements outlined in Part V.C. of the permit.

E. Reviewing and Updating Stormwater Management Programs

Not applicable to the work of the DRSCW.

PART V. MONITORING, RECORDKEEPING, AND REPORTING

A. Monitoring

The ILR40 permit states that permit holders “must develop and implement a monitoring and assessment program to evaluate the effectiveness of the BMPs being implemented to reduce

pollutant loadings and water quality impacts”. The DRSCW monitoring program meets the following monitoring objectives and requirements outlined in the permit:

- Measuring pollutants over time (Part V. A. 2. b. ii)
- Sediment monitoring (Part V. A. 2. b. iii)
- Assessing physical and habitat characteristics such as stream bank erosion caused by storm water discharges ((Part V. A. 2. b. vi)
- Collaborative watershed-scape monitoring (Part V. A. 2. b. x)
- Ambient monitoring of total suspended solids, total nitrogen, total phosphorus, fecal coliform, chlorides, and oil and grease (Part V. A. 2. c.)

The DRSCW water quality monitoring program is made up of two components: 1) Bioassessment and 2) DO monitoring.

BIOASSESSMENT

Overview and Sampling Plan

A biological and water quality survey, or “biosurvey”, is an interdisciplinary monitoring effort coordinated on a waterbody specific or watershed scale. This may involve a relatively simple setting focusing on one or two small streams, one or two principal stressors, and a handful of sampling sites or a much more complex effort including entire drainage basins, multiple and overlapping stressors, and tens of sites. The DRSCW bioassessment is the latter. The DRSCW bioassessment program began in 2007 with sampling in the West Branch DuPage River, East Branch DuPage River and Salt Creek watersheds. From 2009-2016, each watershed was sampled on a 3-year rotation beginning with the West Branch DuPage River watershed in 2006. Beginning in 2017, watershed will be sampled in a 5-year rotation ensuring that each watershed will be sampled during the effective period of the ILR40 permit. The bioassessment program functions under a quality assurance plan agreed on with the Illinois Environmental Protection Agency (<http://drscw.org/wp/bioassessment/>). Table 1 details the bioassessment sampling dates for each DRSCW watershed.

Table 1. Bioassessment sampling dates for the DRSCW watershed

Watershed	Sampling Completed (year)	Sampling Scheduled (year)
East Branch DuPage River	2007, 2011, 2014, 2019	2023
West Branch DuPage River	2007, 2009, 2012, 2015	2020
Salt Creek	2007, 2010, 2013, 2016	2021

The DRSCW bioassessment program utilizes standardized biological, chemical, and physical monitoring and assessment techniques employed to meet three major objectives:

- 1) determine the extent to which biological assemblages are impaired (using IEPA guidelines);
- 2) determine the categorical stressors and sources that are associated with those impairments; and,

- 3) add to the broader databases for the DuPage River and Salt Creek watersheds to track and understand changes through time in response to abatement actions or other influences.

The data collected as part of the bioassessment is processed, evaluated, and synthesized as a biological and water quality assessment of aquatic life use status. The assessments are directly comparable to previously conducted bioassessments such that trends in status can be examined and causes and sources of impairment can be confirmed, amended, or removed. A final report containing a summary of major findings and recommendations for future monitoring, follow-up investigations, and any immediate actions that are needed to resolve readily diagnosed impairments is prepared following each bioassessment. The bioassessment reports are posted on the DRSCW at <http://drscw.org/wp/bioassessment/>. It is not the role of the bioassessments to identify specific remedial actions on a site specific or watershed basis. However, the baseline data provided by the bioassessments contributes to the Integrated Priority System that was developed to help determine and prioritize remedial projects (<http://drscw.org/wp/project-identification-and-prioritization-system/>).

Sampling sites for the bioassessment were determined systematically using a geometric design supplemented by the bracketing of features likely to exert an influence over stream resource quality, such as CSOs, dams and wastewater outfalls. The geometric site selection process starts at the downstream terminus or “pour point” of the watershed (Level 1 site), then continues by deriving each subsequent “panel” at descending intervals of one-half the drainage area (D.A.) of the preceding level. Thus, the drainage area of each successive level decreases geometrically. This results in seven drainage area levels in each of the three watersheds, starting at the largest (150 sq. mi) and continuing through successive panels of 75, 38, 19, 9, 5 and 2 sq. mi. Targeted sites are then added to fill gaps left by the geometric design and assure complete spatial coverage in order to capture all significant pollution gradients including reaches that are impacted by wastewater treatment plants (WWTPs), major stormwater sources, combined sewer overflows (CSOs) and dams. The number of sampling sites by method/protocol and watershed are listed in Table 2 and illustrated in Map 1.

Representativeness – Reference Sites

Data is collected from selected regional reference sites in northeastern Illinois preferably to include existing Illinois EPA and Illinois DNR reference sites, potentially being supplemented with other sites that meet the Illinois EPA criteria for reference conditions. One purpose of this data will be to index the biological methods used in this study that are different from Illinois EPA and/or DNR to the reference condition and biological index calibration as defined by Illinois EPA. In addition, the current Illinois EPA reference network does not yet include smaller headwater streams, hence reference data is needed to accomplish an assessment of that data. Presently thirteen (13) reference sites have been established.

Table 2. Number of sampling sites in the DRSCW project area.

Method/Protocol	West Branch DuPage River (2015)	East Branch DuPage River (2019)	Salt Creek (2016)	Reference Sites (2006-2019)	Total Sites
Biological sampling					
Fish	44	41	51	13	149
Macroinvertebrates	44	41	51	13	149
QHEI	44	41	51	13	149
Water Column Chemical/Physical Sampling					
Nutrients*	44	38	51	6	139
Water Quality Metals	44	38	51	6	139
Water Quality Organics	18	11	16	6	51
Sediment Sampling	18	15	16	6	55

*Also included indicators of organic enrichment and ionic strength, total suspended solids (TSS), DO, pH and temperature. Also, in 2019, chlorophyll A was included as a nutrient parameter.

The bioassessment sampling includes four (4) sampling methods/protocols: biological sampling, Qualitative Habitat Evaluation Index (QHEI), water column chemical/physical parameter sampling and sediment chemistry. The biological sampling includes two assemblages: fish and macroinvertebrates.

The Fish, Macroinvertebrate, Habitat and Water Chemistry sampling results presented in this report summarize the findings for the mainstem reaches of the East Branch DuPage River including the 2019 data. A map of the 2019 East Branch DuPage River bioassessment sites can be found in Map 2. Detailed analysis of all results for the East Branch DuPage River, the West Branch DuPage River and Salt Creek and their tributaries and can be found at <http://drscw.org/wp/bioassessment/>. Additionally, summaries of the findings for the mainstem West Branch DuPage River and Salt Creek can be found in the 2018 DRSCW MS4 Activities Report.

The fish and macroinvertebrate results are presented as Index of Biotic Integrity (IBI) scores. IBI is an evaluation of a waterbody's biological community in a manner that allows the identification, classification and ranking of water pollution and other stressors. IBIs allow the statistical association of various anthropogenic influences on a water body with the observed biological activity in said water body and in turn the evaluation of management interventions in a process of adaptive management. Chemical testing of water samples produce only a snapshot of chemical concentrations while an IBI allows an evaluation of the net impact of chemical, physical and flow variables on a biological community structure. Dr. James Karr formulated the IBI concept in 1981.

FISH

Methodology

Methods for the collection of fish at wadeable sites was performed using a tow-barge or longline pulsed D.C. electrofishing apparatus (MBI 2006b). A Wisconsin DNR battery powered backpack

electrofishing unit was used as an alternative to the long line in the smallest streams (Ohio EPA 1989). A three-person crew carried out the sampling protocol for each type of wading equipment sampling in an upstream direction. Sampling effort was indexed to linear distance and ranged from 150-200 meters in length. Non-wadeable sites were sampled with a raft-mounted pulsed D.C. electrofishing device in a downstream direction (MBI 2007). Sampling effort was indexed to lineal distance over 0.5 km. Sampling was conducted during a June 15-October 15 seasonal index period.

Samples from each site were processed by enumerating and recording weights by species and by life stage (y-o-y, juvenile, and adult). All captured fish were immediately placed in a live well, bucket, or live net for processing. Water was replaced and/or aerated regularly to maintain adequate D.O. levels in the water and to minimize mortality. Fish not retained for voucher or other purposes were released back into the water after they had been identified to species, examined for external anomalies, and weighed either individually or in batches. While the majority of captured fish were identified to species in the field, any uncertainty about the field identification required their preservation for later laboratory identification. Identification was made to the species level at a minimum and to the sub-specific level if necessary. Vouchers were deposited and verified at The Ohio State University Museum of Biodiversity (OSUMB) in Columbus, OH.

Results

East Branch DuPage River

Fish assemblage conditions throughout the East Branch DuPage River watershed are in the poor and fair ranges (Figure 6).

MACROINVERTEBRATES

Methodology

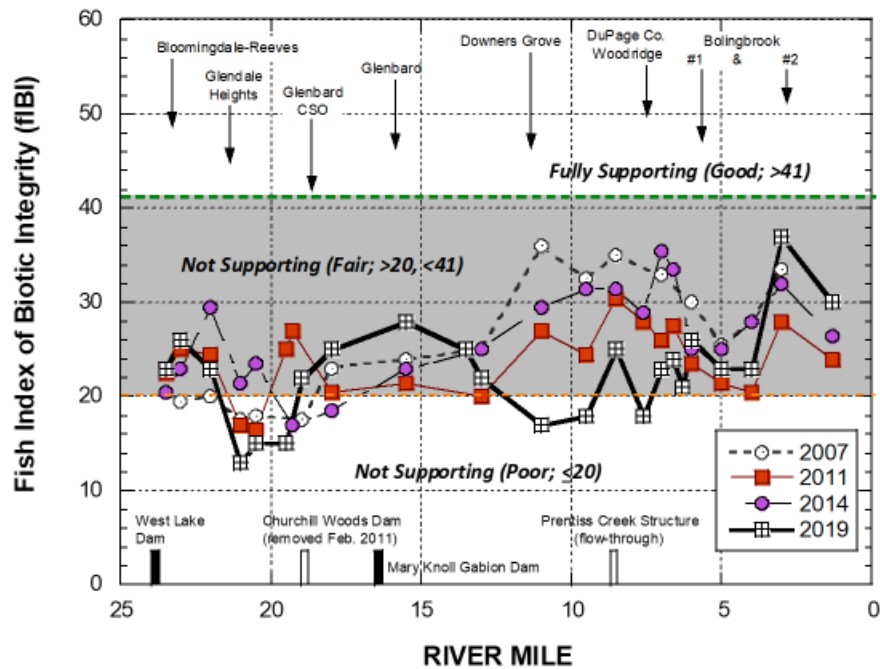
The macroinvertebrate assemblage is sampled using the Illinois EPA (IEPA) multi-habitat method (IEPA 2005). Laboratory procedures followed the IEPA (2005) methodology for processing multi-habitat samples by producing a 300-organism subsample with a scan and pre-pick of large and/or rare taxa from a gridded tray. Taxonomic resolution is performed to the lowest practicable resolution for the common macroinvertebrate assemblage groups such as mayflies, stoneflies, caddisflies, midges, and crustaceans, which goes beyond the genus level requirement of IEPA (2005). However, calculation of the macroinvertebrate IBI followed IEPA methods in using genera as the lowest level of taxonomy for mBI calculation and scoring.

Results

East Branch DuPage River

Macroinvertebrate collections from the 2019 East Branch are still pending and will be provided in the 2020 DRSCW MS4 Activities Report.

Figure 6. Fish IBI scores in the East Branch DuPage River, 2007, 2011, 2014 and 2019 relation to municipal POTW dischargers.



Bars along the x-axis depict mainstem dams or weirs (only black bars impede fish passage).
The shaded area demarcates the “fair” narrative range.

HABITAT

Methodology

Physical habitat was evaluated using the Qualitative Habitat Evaluation Index (QHEI) developed by the Ohio EPA for streams and rivers in Ohio (Rankin 1989, 1995; Ohio EPA 2006b) and as modified by MBI for specific attributes. Attributes of habitat are scored based on the overall importance of each to the maintenance of viable, diverse, and functional aquatic faunas. The type(s) and quality of substrates, amount and quality of instream cover, channel morphology, extent and quality of riparian vegetation, pool, run, and riffle development and quality, and gradient used to determine the QHEI score which generally ranges from 20 to less than 100. QHEI scores and physical habitat attribute were recorded in conjunction with fish collections.

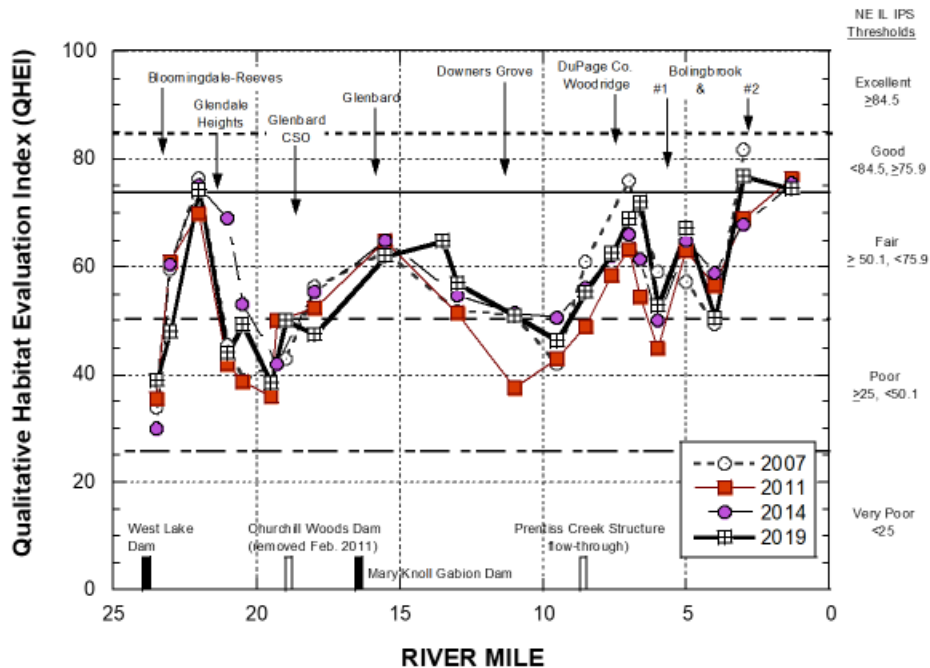
Results

The physical habitat of a stream is a primary determinant of biological quality. Streams in the glaciated Midwest, left in their natural state, typically possess riffle-pool-run sequences, high sinuosity, and well-developed channels with deep pools, heterogeneous substrates and cover in the form of woody debris, glacial tills, and aquatic macrophytes. The QHEI categorically scores the basic components of stream habitat into ranks according to the degree to which those components are found in a natural state, or conversely, in an altered or modified state.

East Branch DuPage River

Based on QHEI scores, mainstem habitat quality fell mostly in the fair to good ranges, but varied by location (Figure 7).

Figure 7. Qualitative Habitat Evaluation Index (QHEI) scores for the E. Branch DuPage River in 2007, 2011, 2014, and 2019 in relation to municipal WWTP discharges.



Bars along the x-axis depict mainstem dams or weirs (black bars are dams that impede fish passage).

WATER QUALITY CHEMISTRY

Methodology

Water column and sediment samples are collected as part of the DRSCW bioassessment programs. The total number of sites sampled is detailed in Table 2. Total number of collected samples by watershed typical for a full assessment by watershed are given in Table 3. The number of samples collected at each site is largely a function of the sites drainage area with the frequency of sampling increasing as drainage size increases (Table 4). Organics sampling is a single sample done at a subset of sites. Sediment sampling is done at a subset of 66 sites using the same procedures as IEPA.

The parameters sampled for are included in Table 5 and can be grouped into demand parameters, nutrients, demand, metals and organics. All sampling occurs between June and October of the sample year with the exception of sediment that occurs October to December. The Standard Operating Procedure for water quality sampling can be found at <http://drscw.org/wp/bioassessment/>.

Table 3. Total number of samples by watershed typical for a full assessment by watershed.

Watershed	Approximate # Sites	Demand Samples	Nutrients Samples	Metals Samples	Organics Samples
Salt Creek (2016)	51	280	280	149	16
West Branch DR (2015)	44	218	218	110	18
East Branch DR (2019)	38	212	212	100	11

Table 4. Approximate distribution of sample numbers by drainage area across the monitoring area.

Drainage Area and site numbers	>100 sq mi (n=12)	>75 sq mi (n=25)	>38 sq mi (n=11)	>19 sq mi (n=11)	>8 sq mi (n=15)	>5 sq mi (n=24)	>2 sq mi (n= 46)
Mean # Samples demand /nutrients	12	9	6	6	4	4	2
Mean # Samples metals	6	6	4	4	2	2	0

Table 5. Water Quality and sediment Parameters sampled as part of the DRSCW Bioassessment Program.

Water Quality Parameters	Sediment Parameters
<p>Demand Parameters 5 Day BOD Chloride Conductivity Dissolved Oxygen pH Temperature Total Dissolved Solids Total Suspended Solids</p> <p>Nutrients Ammonia Nitrogen/Nitrate Nitrogen – Total Kjeldahl Phosphorus, Total Chlorophyll A</p> <p>Metals Cadmium Calcium Copper Iron Lead Magnesium Zinc</p> <p>Organics – Water PCBS Volatile Organics Pesticides Semivolatile Organics</p>	<p>Sediment Metals Arsenic Barium Cadmium Chromium Copper Iron Lead Manganese Nickel Potassium Silver Zinc</p> <p>Sediment Organics Organochlorine Pesticides PCBS Percent Moisture Semivolatile Organics Volatile Organic Compounds</p>

Results

The discussion presented below focuses on the constituents listed in the MS4 permit: total suspended solids, total nitrogen, total phosphorus, fecal coliform, chlorides, and oil and grease. Total nitrogen is presented as ammonia, nitrate, and total kjeldahl nitrogen (TKN). Prior to the 2016 sampling period, fecal coliform and oil and grease sampling was not conducted. Oil and grease sampling was added to the bioassessment sampling for Salt Creek in 2016 and the East Branch DuPage River in 2019. Fecal coliform and oil and grease sampling will be added to all future bioassessment sampling for the West Branch DuPage River (2020) ensuring that each watershed will be sampled for that parameter during the effective period of the ILR40 permit.

East Branch DuPage River

In 2019, samples for Fat, Oil and Grease (FOG) was collected at one (1) sites in the East Branch DuPage River watershed: St. Joseph's Creek (EB07). The results are summarized in Table 6. Results for the FOG sampling in the Salt Creek watershed can be found in the 2018 DRSCW MS4 Activities Report.

Table 6. Concentrations of Fat, Oil and Grease in 2019 in the East Branch DuPage River watershed.

Site Number	Site Location	FOG (mg/L)
EB07	St. Joseph Creek behind Lisle Station Apartments at St. Joseph Road bridge	Non-detect (ND)

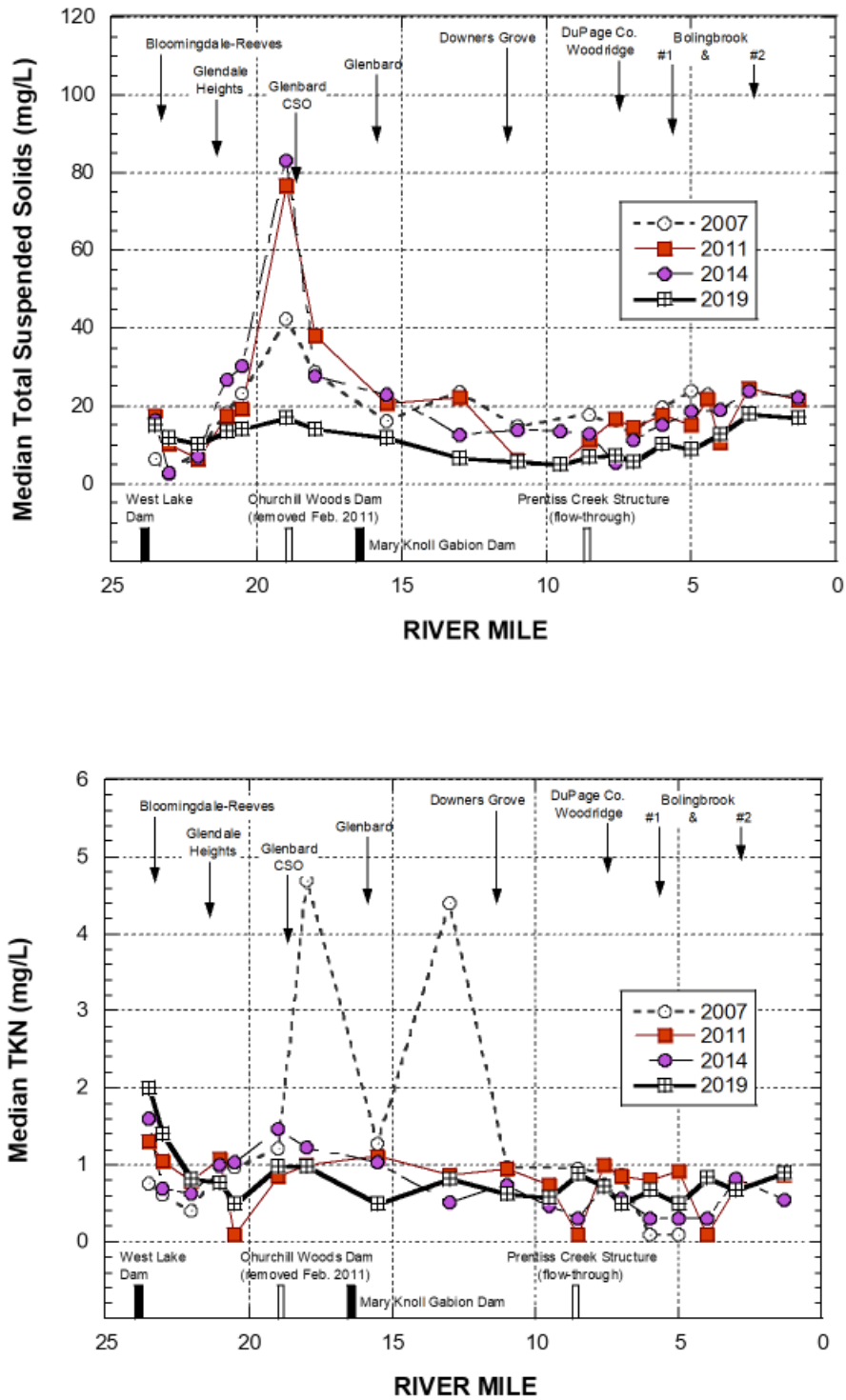
In 2019, samples for fecal coliform samples were collected at five (5) sites on the mainstem East Branch DuPage River and one (1) site on St. Joseph's Creek. Each site was sampled 5 times within a 30-day period beginning on May 15, 2020. The results are summarized below in Table 7.

Table 7. Concentrations of Fecal Coliform in 2019 in the East Branch DuPage River watershed.

Site Number	Site Location	Fecal Coliform cfu/100 mL					Geometric mean Fecal Coliform cfu/100 mL
		5/16/20	5/24/20	5/29/20	6/7/20	6/11/20	
East Branch DuPage River							
EB23	E Branch DuPage at Fullerton Ave	200	350	850	1000	50	312.38
EB30	E Branch DuPage at Westfield Elementary school	50	50	700	800	50	147.57
EB 31	E Branch DuPage at Short St.	50	200	600	450	50	168.29
EB32	E Branch DuPage at Hobson Rd	50	300	3100	1100	50	303.08
EB41	E Branch DuPage at Weber Rd	50	50	950	450	50	139.82
Tributaries							
EB07	St Joseph Creek at St Joseph Rd	50	500	3650	1000	50	340.28

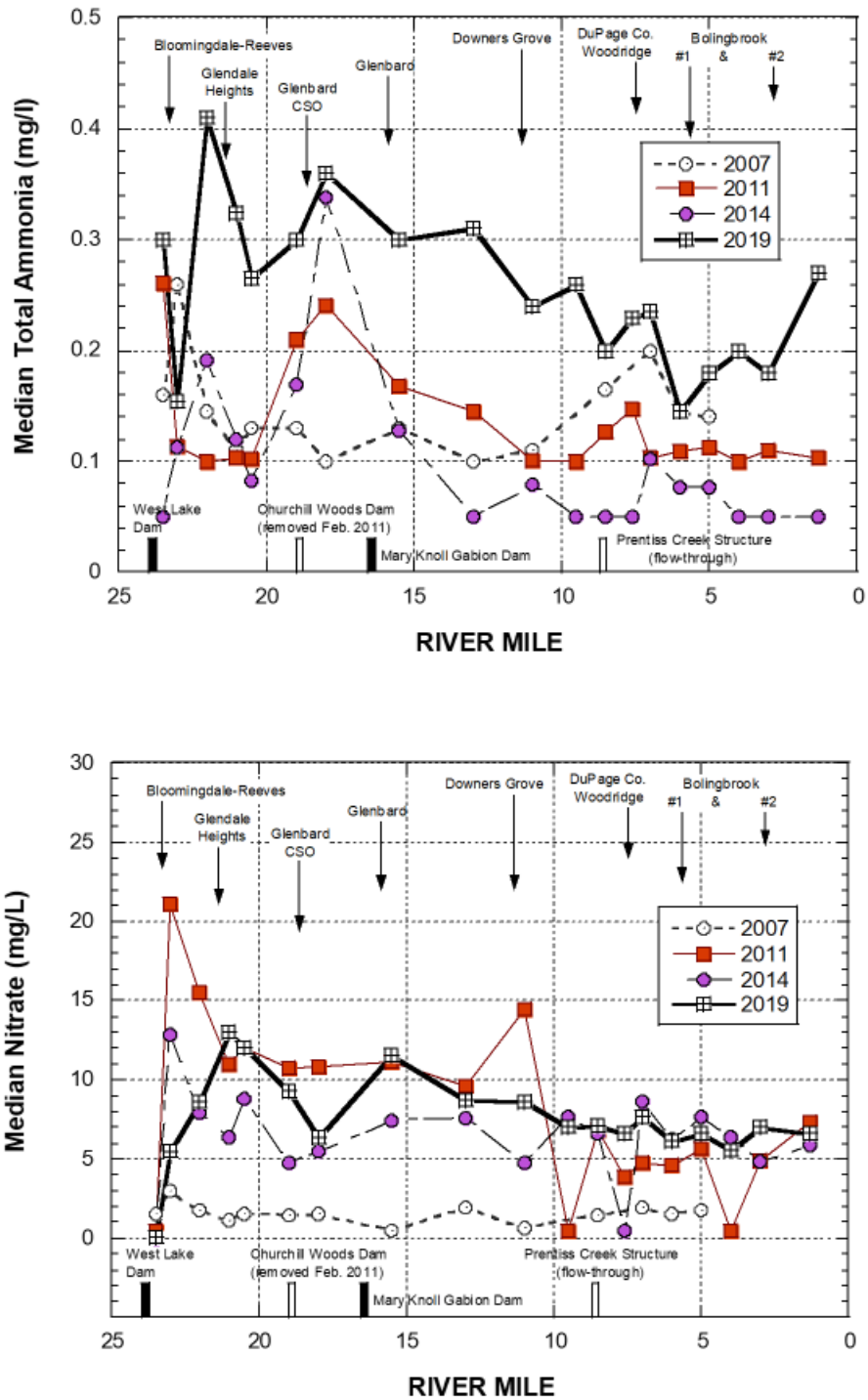
East Branch mainstem flows are effluent dominated during the late summer-early fall months. As such, chemical water quality is highly influenced by the concentration and composition of chemical constituents in WWTP effluents (Figures 8-10).

Figure 8. Median concentrations of total suspended solids (top panel) and TKN (lower panel) from E. Branch DuPage River samples in 2007, 2011, 2014, and 2019 in relation to municipal WWTP discharges.



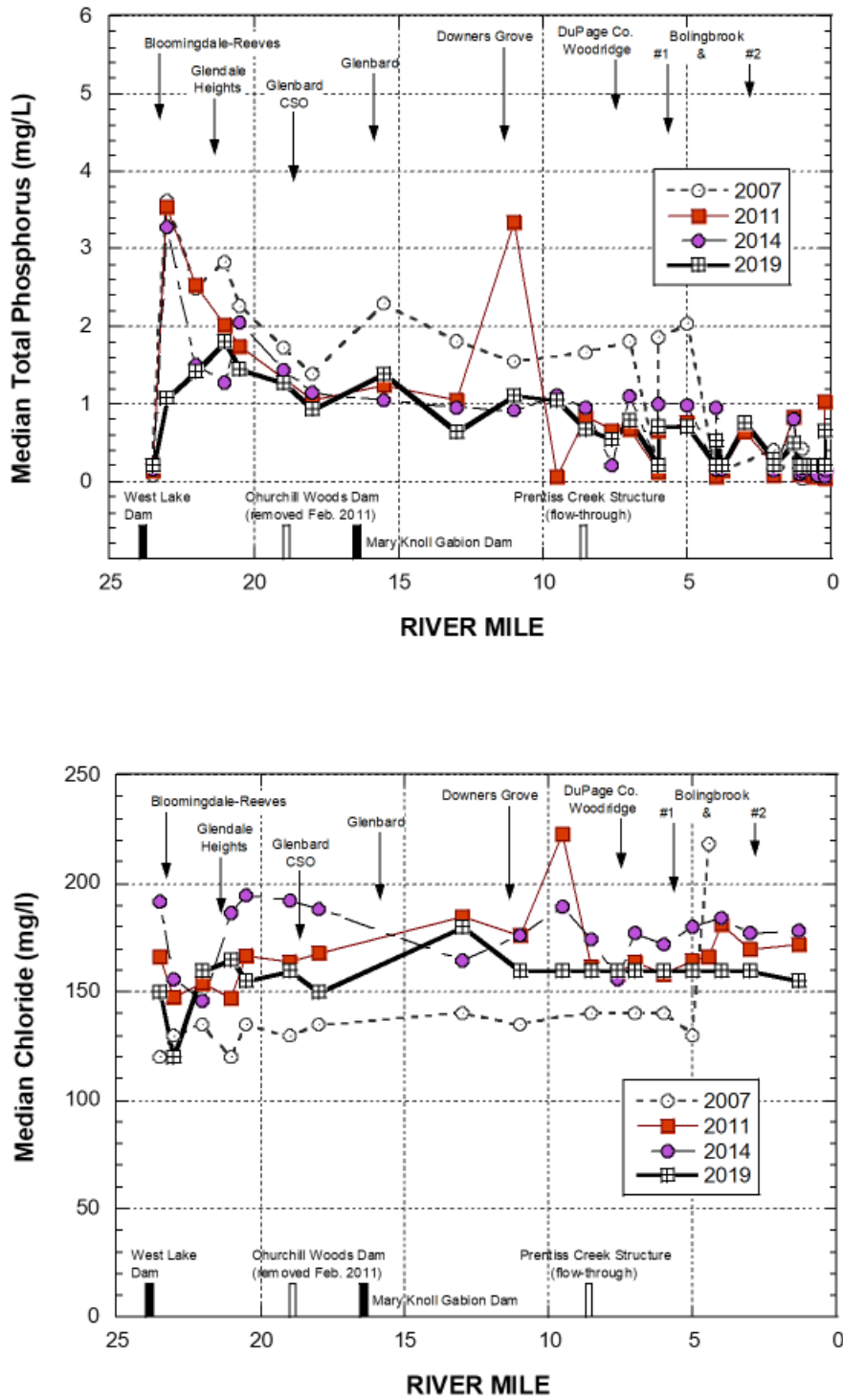
Bars along the x-axis depict mainstem dams or weirs (black bars are dams that impede fish passage).

Figure 9. Median concentrations of ammonia-N (top panel) and nitrate+nitrite-N (lower panel) from E. Branch DuPage River samples in 2007, 2011, 2014, and 2019 in relation to municipal WWTP discharges.



Bars along the x-axis depict mainstem dams or weirs (only black bars for dams that impede fish passage).

Figure 10. Median concentrations total phosphorus (top panel) and chloride (bottom panel) from E. Branch DuPage River samples in 2007, 2011, 2014, and 2019 in relation to municipal WWTP discharges.



Bars along the x-axis depict mainstem dams or weirs (black bars are dams that impede fish passage).

Sediment Chemistry Results

Detailed analysis and results for sediment chemistry is located at <http://drscw.org/wp/bioassessment/>.

DISSOLVED OXYGEN (DO) MONITORING

Background and Methodology

The Illinois Environmental Protection Agency (IEPA) report, Illinois 2004 Section 303(d) List, listed dissolved oxygen (DO) as a potential impairment in Salt Creek, and the East and West Branches of the DuPage River. The report suggested that the DO levels in selected reaches of these waterways might periodically fall to levels below those required by healthy aquatic communities.

All rivers and creeks in DuPage County are classified as General Use Waters. The present water quality standards for dissolved oxygen in General Use Waters is:

1. During the period of March through July
 - a. 5.0 mg/L at any time; and
 - b. 6.0 mg/L as a daily mean averaged over 7 days.

2. During the period of August through February,
 - a. 3.5 mg/L at any time;
 - b. 4.0 mg/L as a daily minimum averaged over 7 days; and
 - c. 5.5 mg/L as a daily mean averaged over 30 days.

Following listing on the 303 (d) list three TMDLs were prepared by the IEPA for Salt Creek and the East Branch of the DuPage River. In response to the TMDLs, the DRSCW committed to develop and manage a continuous long-term DO monitoring plan for the project area in order to assess the nature and extent of the DO impairment and to allow the design of remedial projects. The continuous DO data is also used to assess the impact of DO improvement projects such as the Churchill Woods and Oak Meadow dam removals.

Typically, the DRSCW continuous DO monitoring project includes four (4) sites on the West Branch DuPage River, four to five (4-5) sites of the East Branch DuPage River, and three to four (3-4) sites on Salt Creek. The DRSCW program began in 2006 and data has been collected each year since. Each site is equipped with a HydroLab DS 5X which collects data on DO, pH, conductivity and water temperature. Stations have a sample interval of one hour and collect data from June through to October (the seasonal period recognized as containing the lowest annual levels of stream DO). The continuous DO monitoring program functions under a quality assurance plan agreed on with the IEPA (<http://drscw.org/wp/dissolved-oxygen/>). Additionally, the Metropolitan Water Reclamation District of Greater Chicago (MWRDGC) maintains two sondes on Salt Creek (for a total of five (5) sites on Salt Creek. Details on the site location are included in Table 8 and site locations for 2019 are included on Map 3.

Table 8. Continuous DO monitoring locations in the DRSCW watersheds.

Site ID	Stream Name	River Mile	Latitude	Longitude	Location
WBAD	W. Br. DuPage River	29.9	41.9750	-88.1386	Arlington Drive
WBBR	W. Br. DuPage River	11.7	41.825268	-88.179456	Butterfield Road
WBWD	W. Br. DuPage River	11.1	41.82027	-88.17212	Downstream of former Warrenville Grove Dam
WBMG	W. Br. DuPage River	8.6	41.795928	-88.187263	Upstream of former McDowell Grove Dam
EBAR	E. Br. DuPage River	23.0	41.935171	-88.05843	Army Trail Road
EBCB	E. Br. DuPage River	18.8	41.88510	-88.04110	Crescent Boulevard
EBHL	E. Br. DuPage River	14.0	41.82570	-88.05316	Hidden Lake Preserve
EBHR	E. Br. DuPage River	8.5	41.76800	-88.07160	Hobson Road
EBWL	E. Br. DuPage River	3.8	41.712315	-88.094842	Whalon Lake
SCBW	Salt Creek	29.4	42.01630	-88.00061	Downstream of Busse Woods Dam (MWRDGC)
SCOM	Salt Creek	23.0	41.941279	-87.983363	Upstream of former Oak Meadows Dam
SCBR	Salt Creek	16.1	41.864686	-87.95073	Butterfield Road
SCFW	Salt Creek	11.1	41.825493	-87.93158	Fullersburg Woods impoundment
SCWR	Salt Creek	8.1	41.82576	-87.90045	Wolf Road (MWRDGC)

Results

Results of the continuous DO monitoring conducted in the summer of 2019 is included in Figures 11-17.

Figure 11. Dissolved Oxygen plots for West Branch DuPage River sites at Arlington Drive (WBAD) (top panel) and Butterfield Road (WBBR) (lower panel).

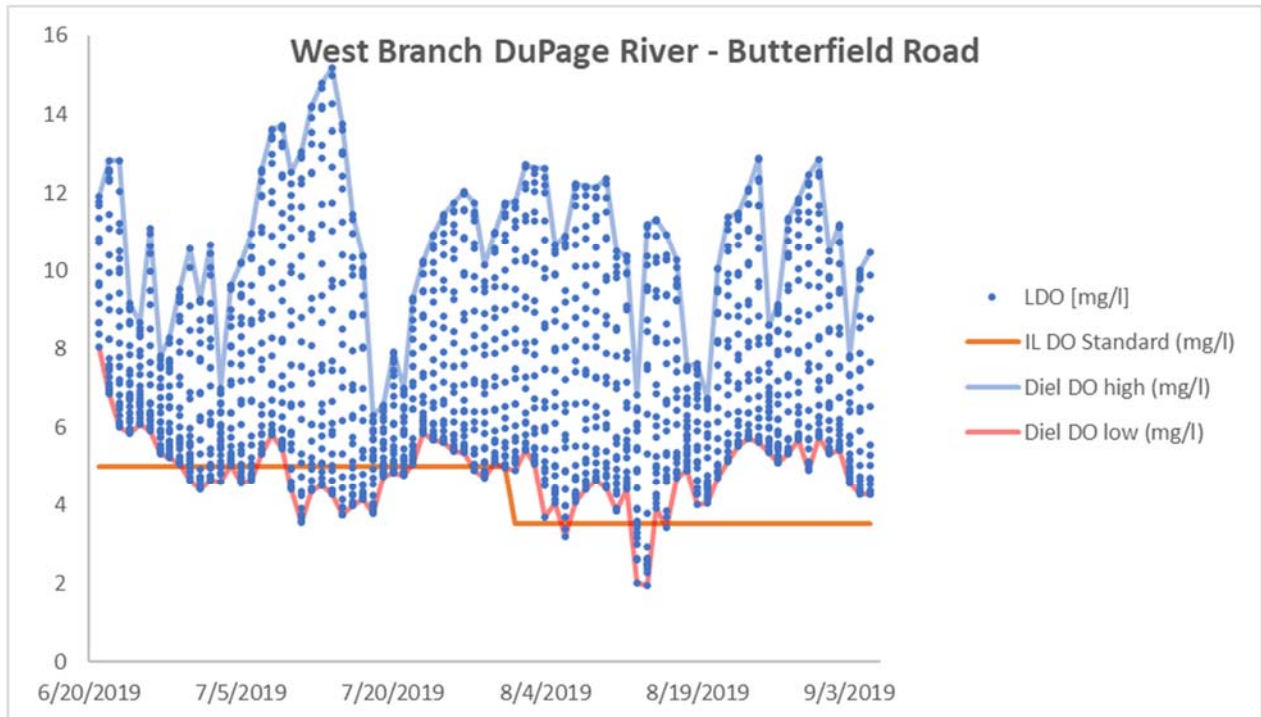
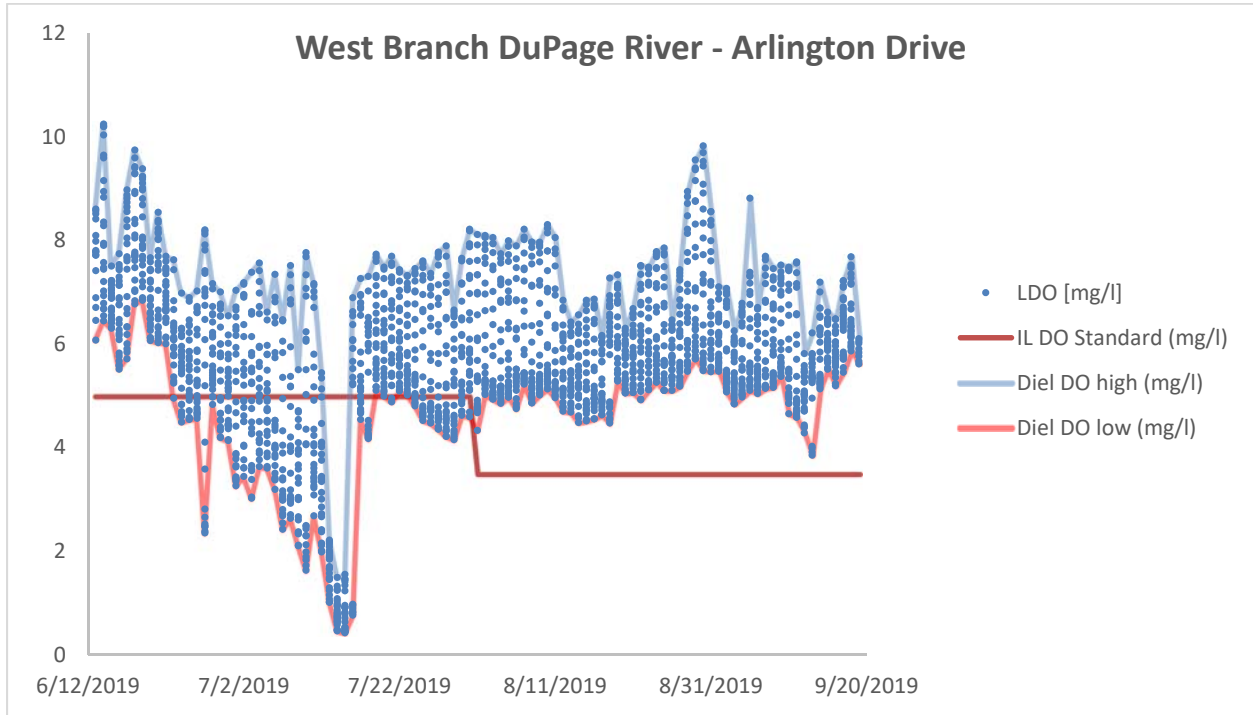


Figure 12. Dissolved Oxygen plots for West Branch DuPage River sites at Warrenville Grove (WBWD) (top panel) and McDowell Grove Forest Preserve (WBMG) (lower panel).

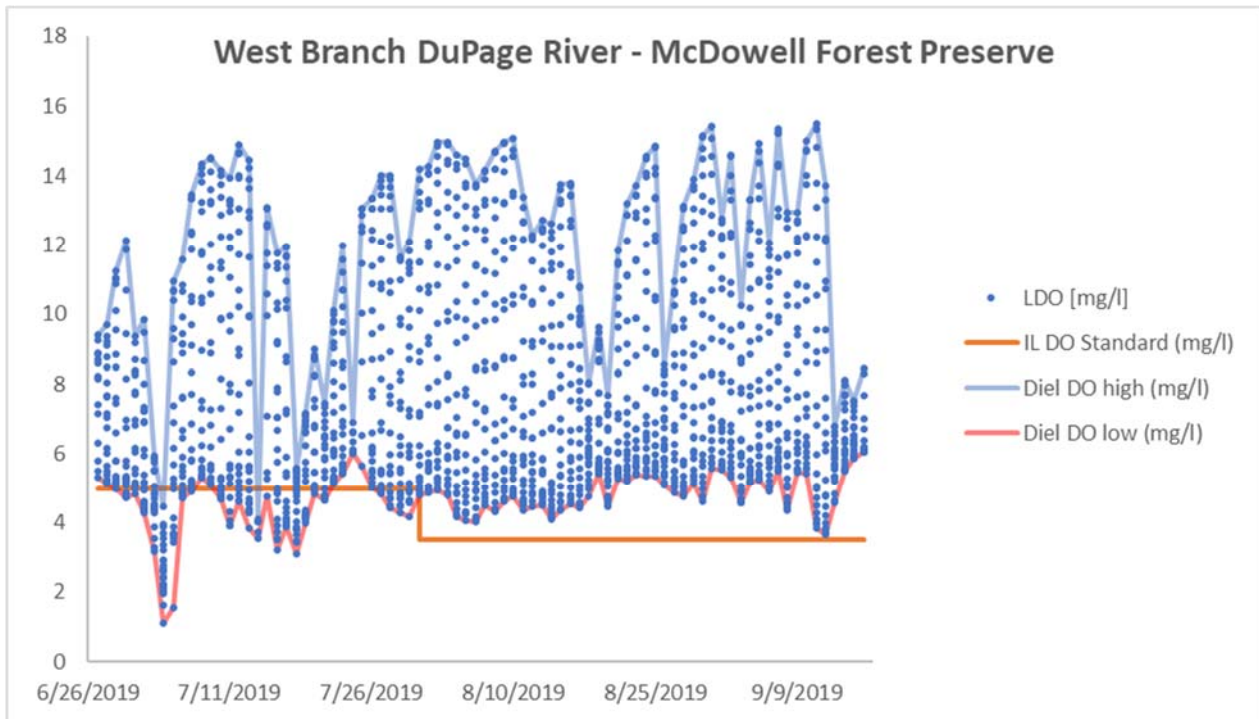
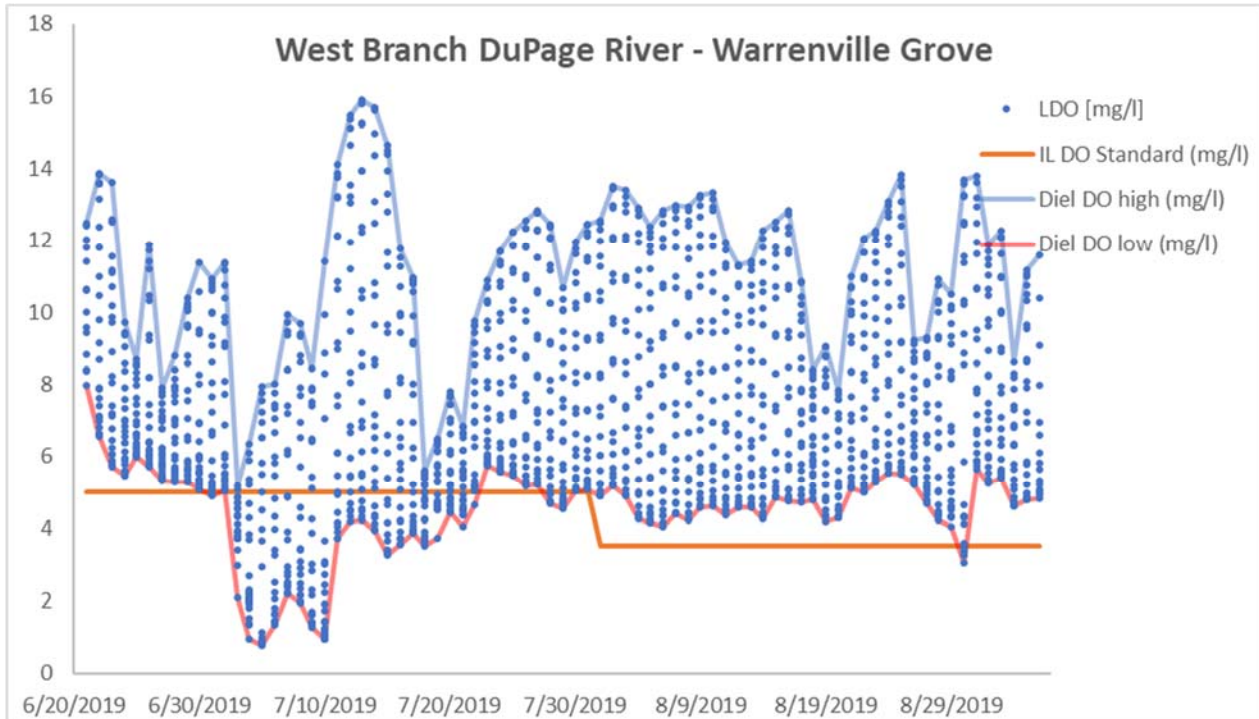


Figure 13. Dissolved Oxygen plots for East Branch DuPage River sites at Army Trail Road (EBAR) (top panel) and Crescent Boulevard (EBCB) (lower panel).

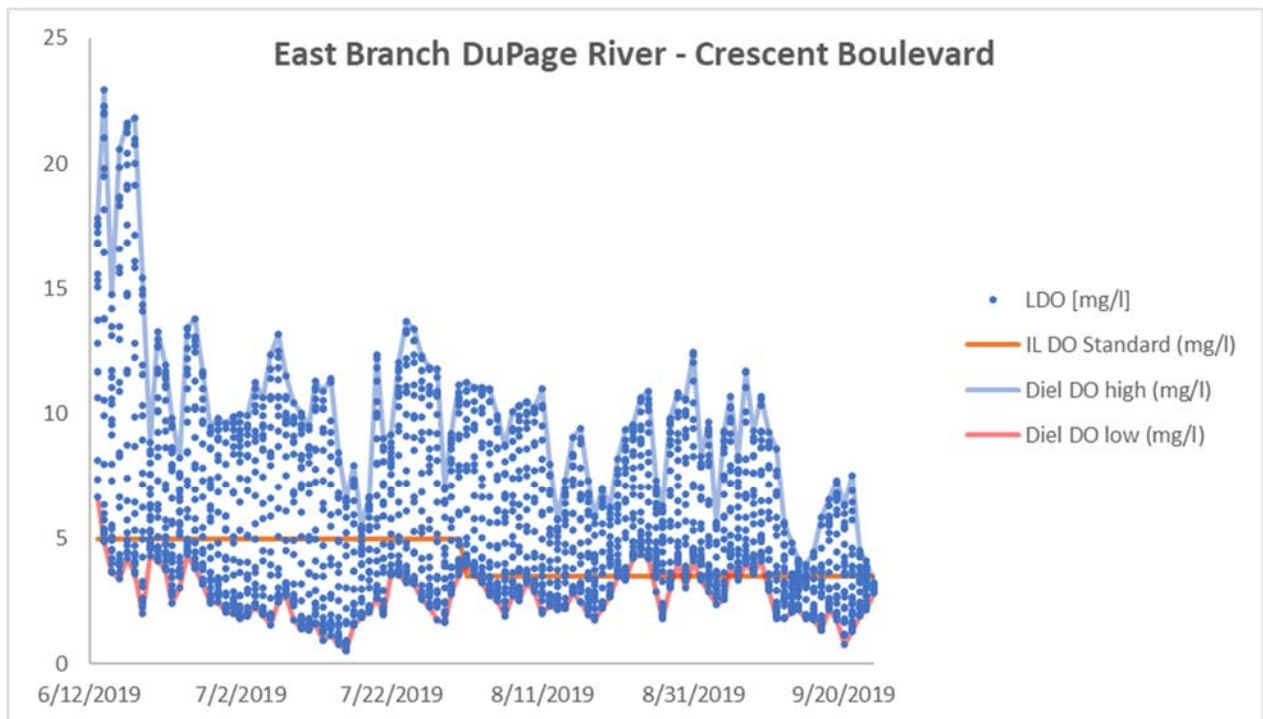
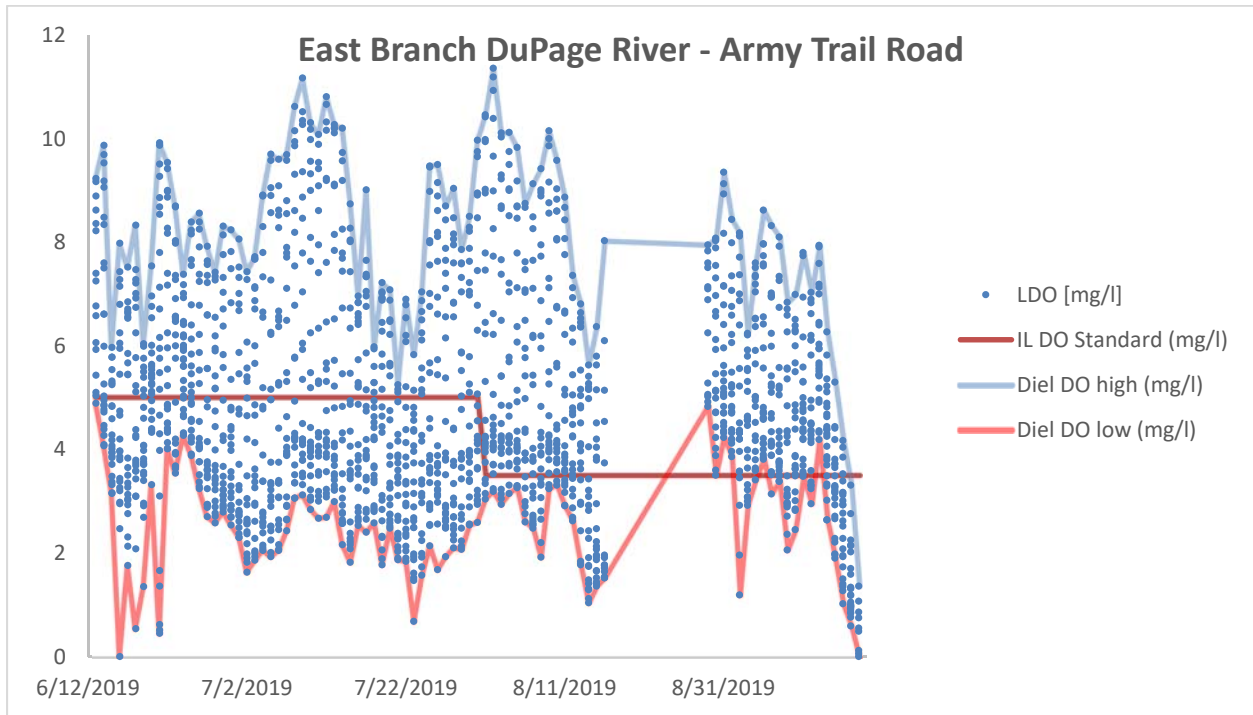


Figure 14. Dissolved Oxygen plots for East Branch DuPage River sites at Hidden Lake (EBHL) (top panel) and Hobson Road (EBHR) (lower panel).

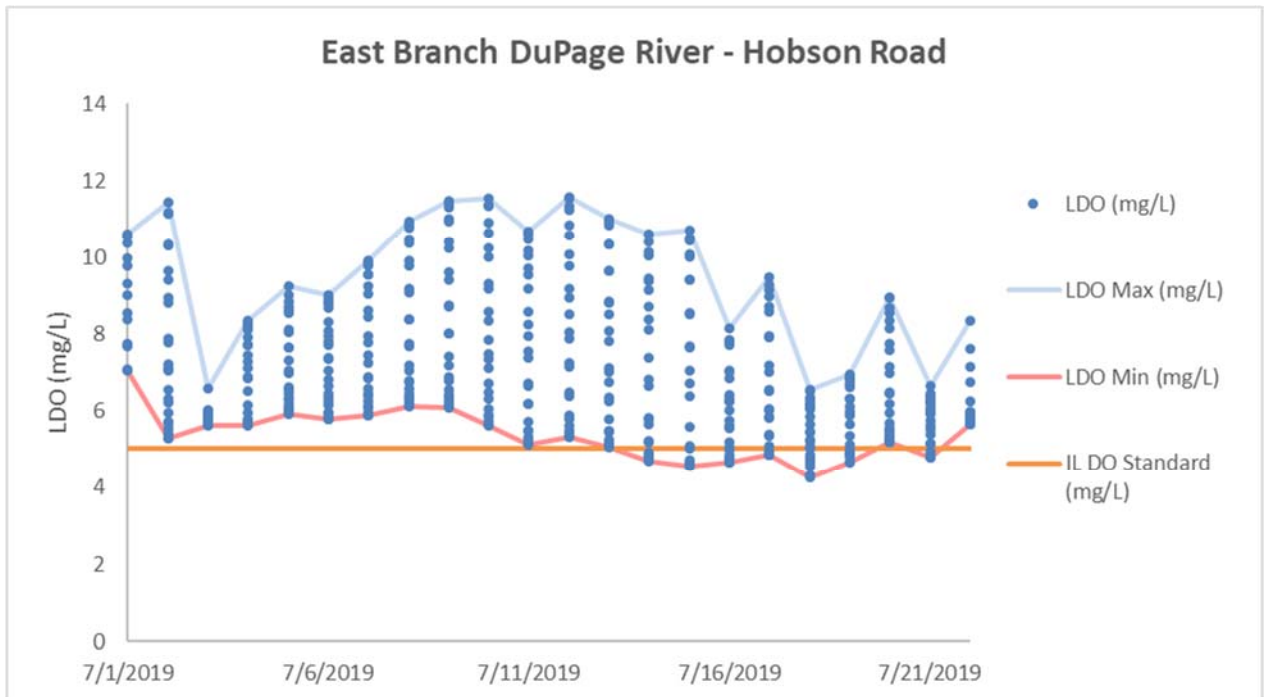
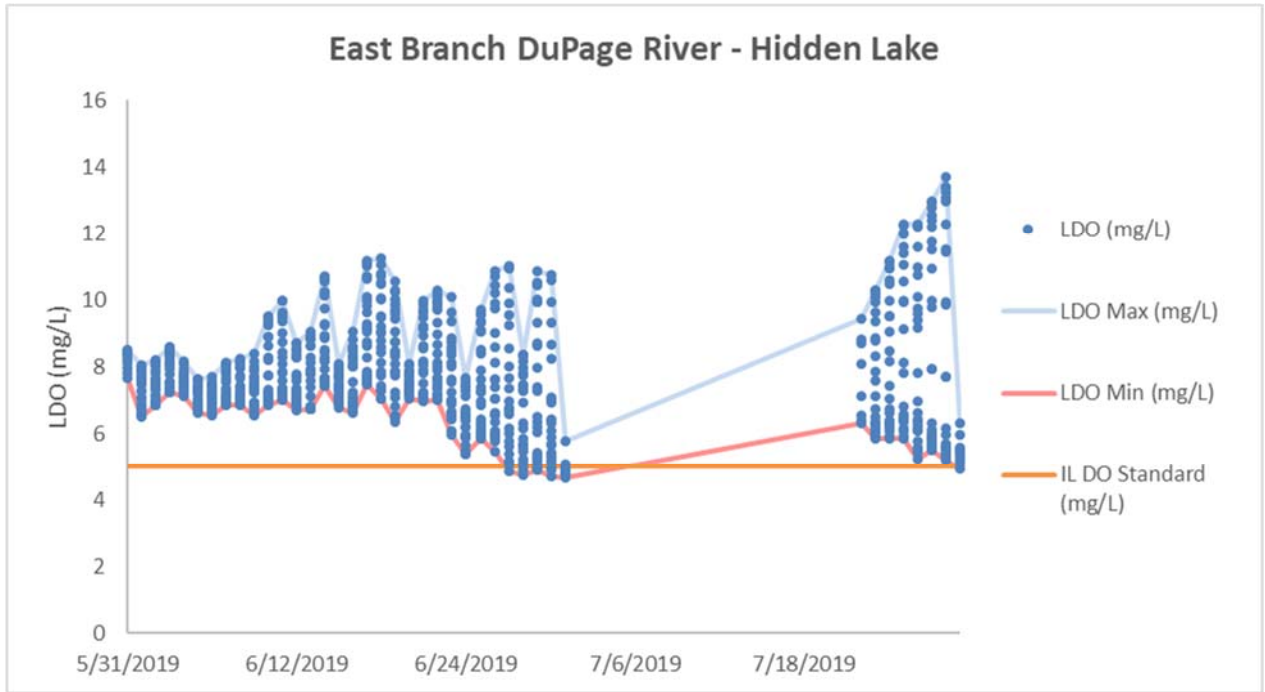


Figure 15. Dissolved Oxygen plot for East Branch site at Whalon Lake (EBWL) (top panel) and Salt Creek site at Busse Woods (SCBW) (bottom panel).

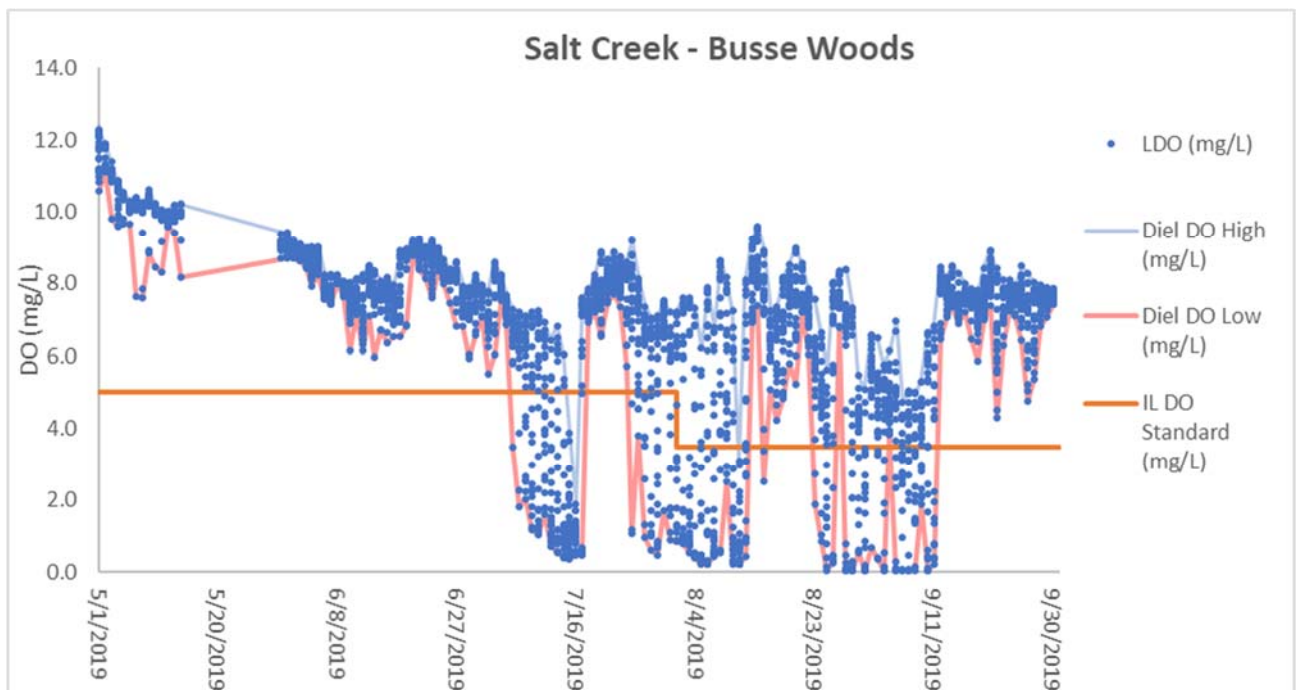
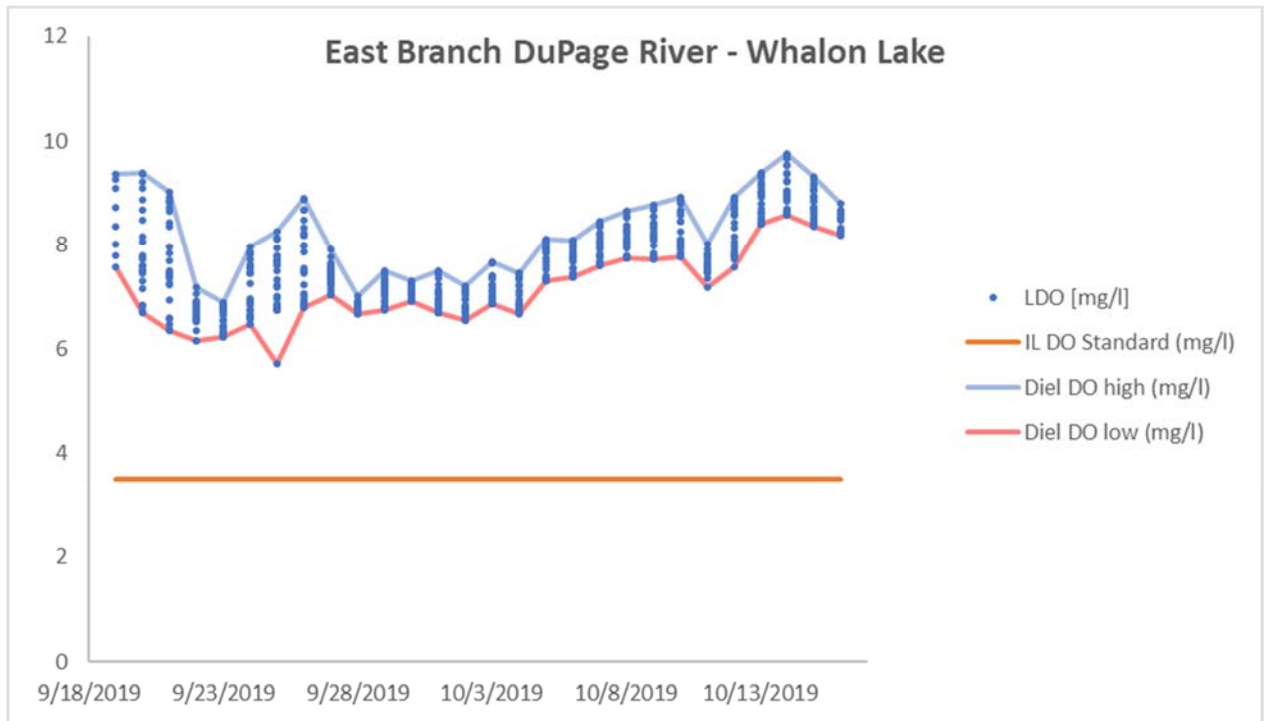


Figure 16. Dissolved Oxygen plots for Salt Creek sites at Oak Meadows (SCOM) (top panel) and Butterfield Road (SCBR) (bottom panel).

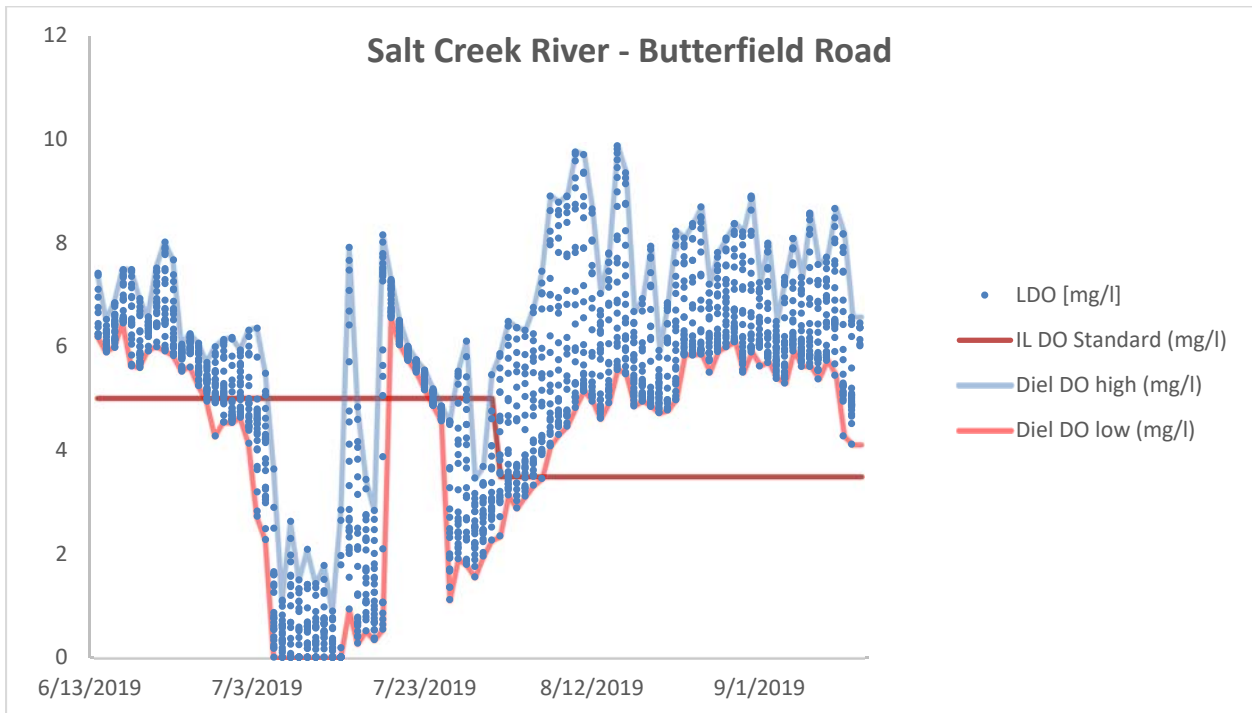
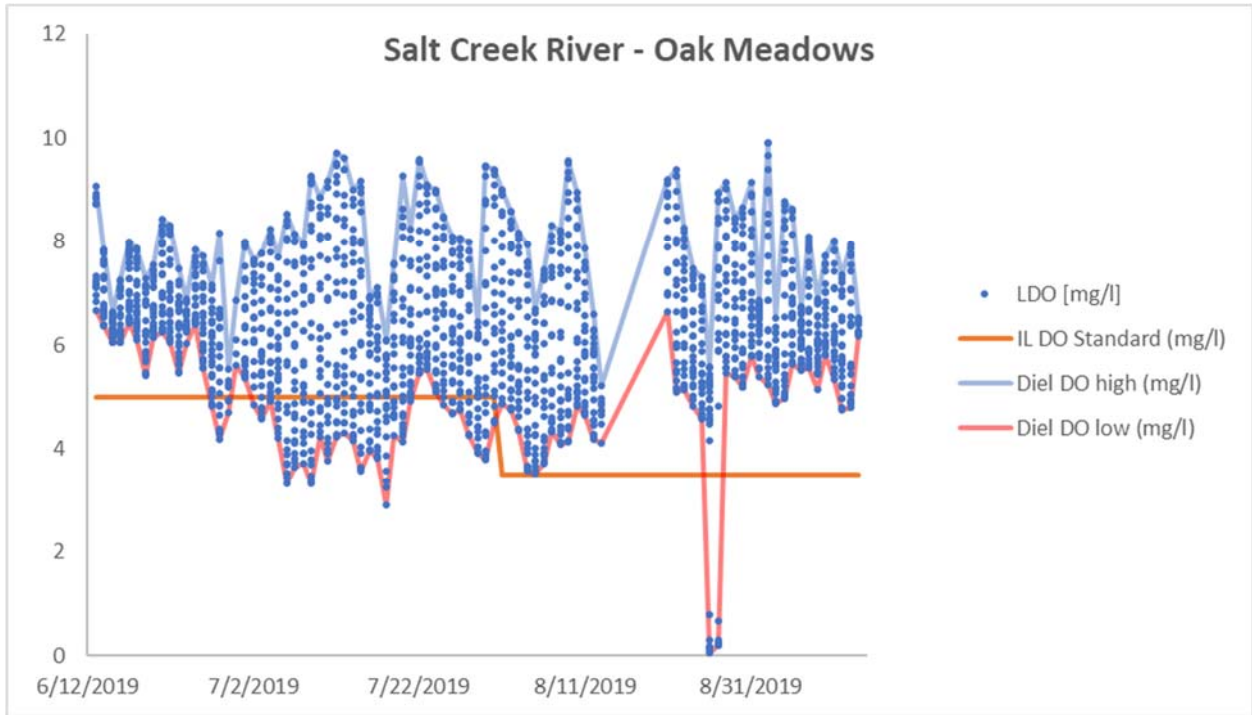
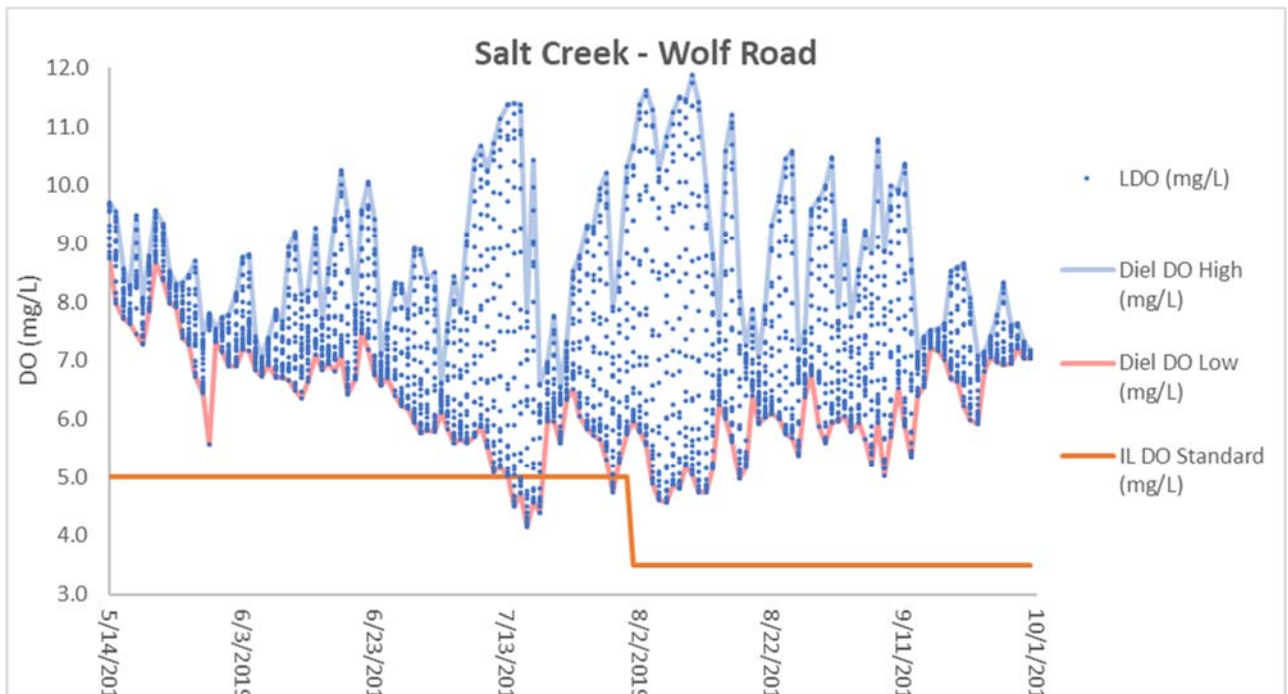
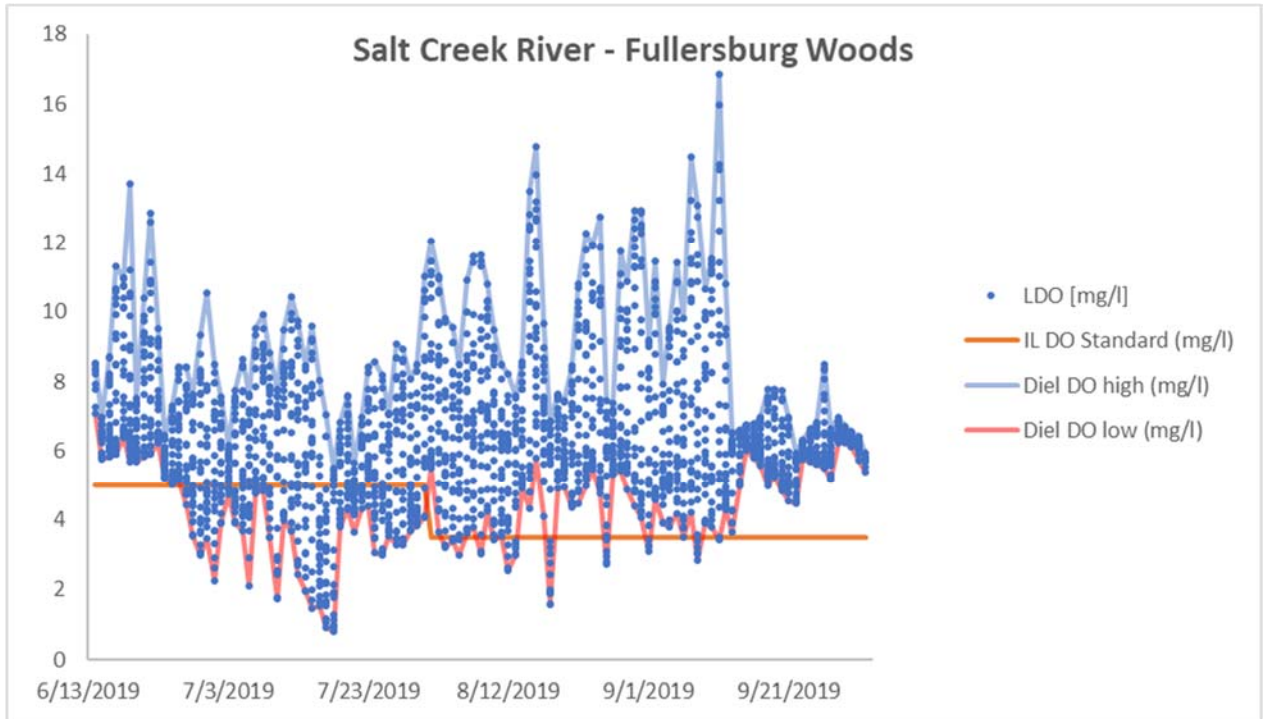


Figure 17. Dissolved Oxygen plots for Salt Creek sites at Fullersburg Woods (SBFW) (top panel) and Wolf Road (SCWR) (bottom panel).



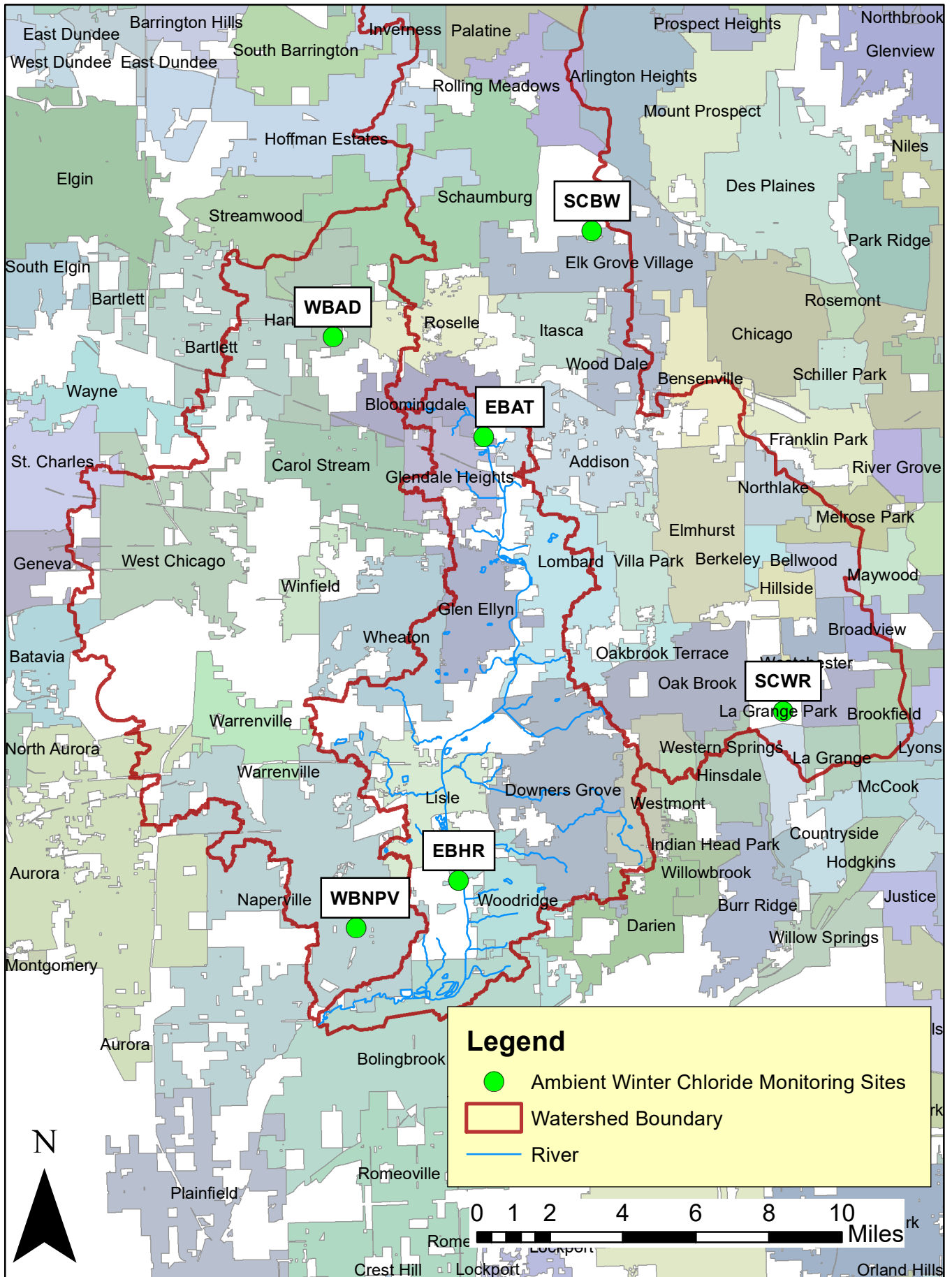
B. Recordkeeping

All monitoring data including but not limited to laboratory results, chain of custody (COCs), and quality assurance protection plans (QAPP) will be maintained by the DRSCW for a minimum of 5 years after the expiration of the ILR40 (effective on 03/01/2016). The records are maintained at the DRSCW office located at The Conservation Foundation, 105404 Knock Knolls Road, Naperville, Illinois 60656 and are accessible to the IEPA for review.

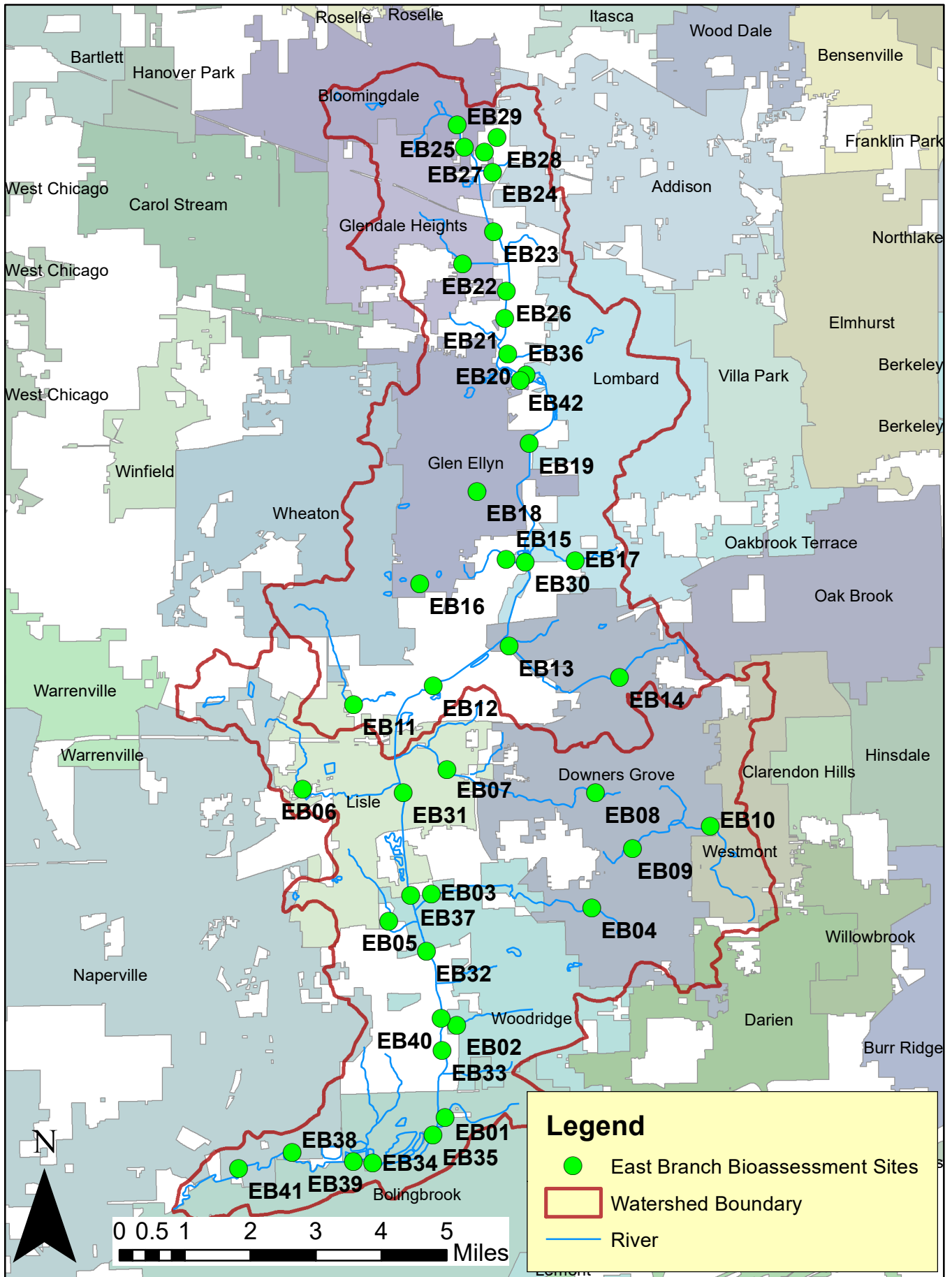
C. Reporting

The DRSCW is not responsible for preparing and submitting an Annual Report to the IEPA by the first day of June for each year that the permit is in effect. It is the responsibility of the individual ILR40 permit holders to utilize the information provided in this report to fulfill the reporting requirements outlined in the permit.

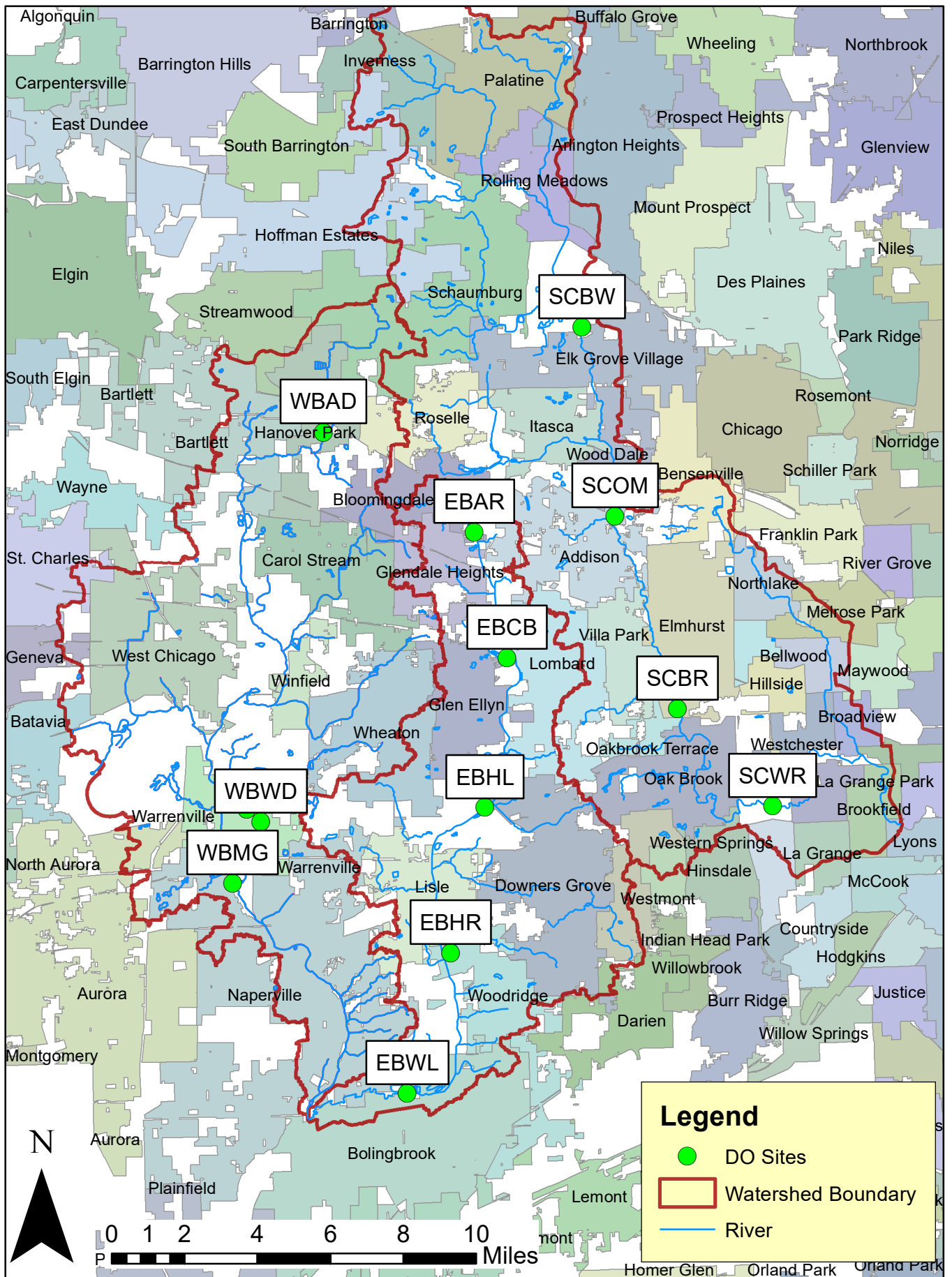
Maps



Map 1. 2019 Ambient winter chloride monitoring sites.



Map 2. 2019 East Branch DuPage River bioassessment sampling sites.



Map 3. 2019 Continuous dissolved oxygen (DO) monitoring sites.

Attachment A

List of Registrants at the 2019 Public Roads Deicing Workshop

DUPAGE COUNTY ROADS WORKSHOP October 24, 2019

Agency	First Name	Last Name
Village of Addison	Mike	Hundley
Village of Addison	Alex	Melani
Addison Township Highway Department	Joe	Bellino
Addison Township Highway Department	Michael	Capizzano
Addison Township Highway Department	Michael	D'Souza
Addison Township Highway Department	Donald R.	Holod
Addison Township Highway Department	Tim	Mrazek
Addison Township Highway Department	Rocky	Saianto
Village of Bartlett	Chris	Church
Village of Bartlett	Octavio	Garcia
Village of Bartlett	Erik	Kumlin
Village of Bartlett	Bill	Schnecke
Village of Bloomingdale	Paul	Dublin
Village of Bloomingdale	Jim	Johnson
Village of Bloomingdale	Ed	Lewen
Forest Preserve District of Cook County	Alma	Arias
Forest Preserve District of Cook County	Lisa	Buczko
Forest Preserve District of Cook County	Lindsay	Ivanyi
Forest Preserve District of Cook County	Thomas	Lyons
Forest Preserve District of Cook County	Derrick	Woods
DeKalb Township Road District	Craig	Smith
Village of Downers Grove	Justin	Dickey
Village of Downers Grove	Jordan	Daliego
Village of Downers Grove	Austin	Grossi
Village of Downers Grove	Joe	Guertler

DUPAGE COUNTY ROADS WORKSHOP October 24, 2019

Agency	First Name	Last Name
Village of Downers Grove	Ryan	Zeuske
Downers Grove Township Highway Department	Andy	Anderson
Downers Grove Township Highway Department	Tim	Anderson
Downers Grove Township Highway Department	Dan	Baker
Downers Grove Township Highway Department	Jim	Heiden
Downers Grove Township Highway Department	Nick	Heiden
Downers Grove Township Highway Department	Robert	Minniti
Downers Grove Township Highway Department	Kyle	Petras
Downers Grove Township Highway Department	Dave	Smith
DePage County Division of Transportation	Christopher	Aguliar
DePage County Division of Transportation	Brandon	Brach
DePage County Division of Transportation	Sean	Corwin
DePage County Division of Transportation	Brandon	Kutilek
DePage County Division of Transportation	Jenny	Schlueter
DePage County Division of Transportation	Antonio	Solis
Village of Glen Ellyn	Greg	Garcia
Village of Glen Ellyn	Julius	Hansen
Village of Glen Ellyn	John	Hubsky
Village of Glen Ellyn	Chris	Larem
Village of Glen Ellyn	Mike	Manning
Village of Glen Ellyn	Mike	Marston
Village of Glen Ellyn	Jeremy	Menchaca
Village of Glen Ellyn	Mike	Nickels
Village of Glen Ellyn	Zach	Ochromowicz
Village of Glen Ellyn	John	Sparagna

DUPAGE COUNTY ROADS WORKSHOP October 24, 2019

Agency	First Name	Last Name
Village of Glen Ellyn	Emma	Sprau
Village of Glen Ellyn	Cody	Weigand
Village of Glendale Heights	Rocco	Barbanente
Village of Glendale Heights	Jonathan	Brennan
Village of Glendale Heights	Joe	Giannelli
Village of Glendale Heights	John	Kaval
Village of Glendale Heights	Alex	Marchan
Village of Glendale Heights	Oscar	Marmolejo
Village of Glendale Heights	Jeff	Mrozinski
Village of Glendale Heights	Ed	Murphy
Village of Glendale Heights	Eric	Schmidt
Village of Glendale Heights	Phil	Williamson
Village of Glendale Heights	Mike	Zoellner
Village of Hinsdale	Griffin	Driscoll
Village of Hinsdale	Tom	Gallagher
Village of Hinsdale	Vernon	Gliot
Village of Hinsdale	Shawn	Johnson
Village of Hinsdale	Juan	Marin
Village of Hinsdale	Eric	Kasperski
Village of Hinsdale	Wes	Phenegar
Village of Hinsdale	Jim	Sedlacek
Village of Hinsdale	Dan	Williams
Illinois State Toll Highway Authority	Phil	Cassman
Illinois State Toll Highway Authority	Kevin	Sweeney
Village of La Grange Park	Tony	DeSanto

DUPAGE COUNTY ROADS WORKSHOP October 24, 2019

Agency	First Name	Last Name
Village of La Grange Park	Pat	Hurley
Village of La Grange Park	Gary	Moore
Village of La Grange Park	Casey	Schuenemann
Lisle Township Road District	Andrew	Bark
Lisle Township Road District	Mike	Dow
Lisle Township Road District	Brad	Pich
Lisle Township Road District	John	Quinn
Lisle Township Road District	Chris	Reeder
Lisle Township Road District	Randy	Tomsovic
Village of Lombard	Dylan	Brown
Village of Lombard	Colin	Gaerlan
Village of Lombard	Bill	Harvey
Village of Lombard	Josh	Leonard
Village of Lombard	Adam	McGown
Village of Lombard	Zach	McKamey
Village of Lombard	Scott	Neerz
Village of Lombard	Nick	Tuttle
Village of Lombard	Tom	Vokac
Milton Township Highway Department	Brandon	Bielik
Milton Township Highway Department	Mike	Britton
Milton Township Highway Department	Jim	Mauerman
Milton Township Highway Department	Gary	Muehlfelt
Milton Township Highway Department	Joe	Ocasio
Milton Township Highway Department	John	Scott
Milton Township Highway Department	Cliff	Williams

DUPAGE COUNTY ROADS WORKSHOP October 24, 2019

Agency	First Name	Last Name
Naperville Township Road District	David	Marshall
Naperville Township Road District	Adrian	Quinones
Naperville Township Road District	Pat	Testin
Naperville Township Road District	Larry	Wehner
Village of Riverside	Edward	Bailey
Robinson Engineering	Melanie	Arnold
Village of Streamwood	Matthew	Mann
Village of Streamwood	Brian	Spaid
City of Warrenville	Jamie	Clark
City of Warrenville	Rob	Ingram
City of Warrenville	Jamie	Leonard
City of Warrenville	Dave	Neal
City of Warrenville	Jeff	Simmons
Wayne Township Road District	Phil	Coconato
Wayne Township Road District	Rick	Deeke
Wayne Township Road District	Chad	Dumont
Wayne Township Road District	Gavin	Phillips
City of West Chicago	Adam	Barney
City of West Chicago	Kyle	Bartels
City of West Chicago	Kiel	Day
City of West Chicago	Don	Feld
City of West Chicago	Don	Gates
City of West Chicago	Tyler	Hoffman
City of West Chicago	Jim	Lambert
City of West Chicago	Ron	Milam

DUPAGE COUNTY ROADS WORKSHOP October 24, 2019

Agency	First Name	Last Name
City of West Chicago	Ryan	Miller
City of West Chicago	Jordan	Shook
Village of Westmont	Zach	Chorney
Village of Westmont	Randy	Tuchow
Village of Westmont	Patrick	Vath
Winfield Township Road District	John	Dusza
Winfield Township Road District	Philip	Bergman
Winfield Township Road District	Bradley	Kinley
Winfield Township Road District	Christo	Petzer
Winfield Township Road District	Brian	Welch
York Township Highway Department	Nick	Berkshire
York Township Highway Department	Dan	Lindeen

Attachment B

List of Registrants at the 2019 Parking Lots and Sidewalks Deicing Workshop

DUPAGE PARKING LOTS & SIDEWALKS WORKSHOP October 17, 2019

Agency	First Name	Last Name
Community Consolidated School District 93	George	Baunach
Community Consolidated School District 93	Steve	Drwal
Community Consolidated School District 93	Carlos	Hernandez
Community Consolidated School District 93	Elda	Juarez
Community Consolidated School District 93	Art	Juarez
Cook County Forest Preserve District	Alma	Arias
Cook County Forest Preserve District	Lisa	Buzcko
Cook County Forest Preserve District	Andres	Canedo
Cook County Forest Preserve District	Thurman	DeMills
Cook County Forest Preserve District	William	Deutscher
Cook County Forest Preserve District	Timothy	Fadden
Cook County Forest Preserve District	David	Ferguson
Cook County Forest Preserve District	Aristidis	Giatras
Cook County Forest Preserve District	Freddie	Gordils
Cook County Forest Preserve District	Lindsay	Ivanyi
Cook County Forest Preserve District	AJ	Jackson
Cook County Forest Preserve District	Mark	Jaeger
Cook County Forest Preserve District	Kenneth	Jones
Forest Preserve District of Cook County	Timothy	Keane
Forest Preserve District of Cook County	Jake	Mahoney
Forest Preserve District of Cook County	Pedro	Mendez
Forest Preserve District of Cook County	Frank	Ruscitti
Forest Preserve District of Cook County	Elgin	Willis
Forest Preserve District of Cook County	Joseph	Wilmes
Forest Preserve District of Cook County	Richard	Wonogas

DUPAGE PARKING LOTS & SIDEWALKS WORKSHOP October 17, 2019

Agency	First Name	Last Name
Forest Preserve District of Cook County	Derrick	Woods
Diocese of Joliet	Neil	Harris
Diocese of Joliet	Chris	Nye
Downers Grove Park District	Mike	Stelter
DuPage County DOT	Rogelio R.	Hernandez
DuPage County DOT	Jose	Romero
DuPage County DOT	Romero	Vargas
DuPage County Public Works	Tim	Harbaugh
DuPage County Stormwater Management	Jen	Boyer
Forest Preserve District of DuPage County	Jordan	Murison
Forest Preserve District of DuPage County	Michael	Sances
City of Elgin	Rob	Berg
City of Elgin	Rich	Ciaffarafa
City of Elgin	Tom	Corbett
City of Elgin	Clay	Rasmussen
Elk Grove Village	Brian	Misiak
Elk Grove Village	Tony	Potucek
Fermi National Accelerator Laboratory	Paul	Heckelberg
Fox Valley Park District	Steve	Cluchey
Fox Valley Park District	Stuart	Hansen-Daly
Fox Valley Park District	Tom	Juline
Fox Valley Park District	Kevin	Kraabel
Fox Valley Park District	Doug	Quigley
Fox Valley Park District	Richard	Williams
Village of Glen Ellyn	Ben	Atkinson

DUPAGE PARKING LOTS & SIDEWALKS WORKSHOP October 17, 2019

Agency	First Name	Last Name
Village of Glen Ellyn	Julius	Hansen
Village of Glen Ellyn	Steve	Hughes
Glenbard Wastewater Authority	Henry	Altott
Glenbard Wastewater Authority	Bob	Chejlava
Village of Hinsdale	Logan	Albanese
Village of Hinsdale	Derek	Danylevsky
Village of Hinsdale	Juan	Marin
Village of Hinsdale	Ryan	McCarthy
Village of Hinsdale	Don	Miller
Village of Hinsdale	Jordan	Ruban
Village of Hinsdale	Dave	Wisniowicz
Village of Hoffman Estates	Marc	Marcelo
Village of La Grange Park	John	Jandak
Village of La Grange Park	Larry	Leonard
The Morton Arboretum	Casey	Roth
MWRDGC	Mark	D'Ambrosia
MWRDGC	John	D'Ambrosia
MWRDGC	Marc	Jones
MWRDGC	Kathy	Lal
MWRDGC	Melvin	Mendez
MWRDGC	Dennys	Mendez
MWRDGC	Joe	Meyer
MWRDGC	Brian	Moritz
MWRDGC	Chaz	Payne
MWRDGC	Elon	Roland

DUPAGE PARKING LOTS & SIDEWALKS WORKSHOP October 17, 2019

Agency	First Name	Last Name
MWRDGC	Kimberly	Tatro
MWRDGC	Elias	Torres
MWRDGC	Lucy	Wilson
MWRDGC	Keith	Zirbes
Naperville Park District	Drew	Hogue
Skokie Park District	Steve	Ames
Skokie Park District	John	Gacki
Skokie Park District	Corrie	Guynn
Skokie Park District	Peter	Haben
Skokie Park District	Jeff	Hacker
Skokie Park District	Jim	Hallm
Skokie Park District	Lee	Hansen
Skokie Park District	Mark	Pasignajen
Skokie Park District	Anthony	Szmergalski
Skokie Park District	Ralph	Thillet
The University of Illinois at Chicago	Frances	Ritchie
Valley View School District	Jim	Burns
Valley View School District	Levi	Ellexson
Valley View School District	Mike	Singleton
Waubonsee Community College	Riley	Betz
Waubonsee Community College	Jose	Gomez
Waubonsee Community College	David	McReynolds
Waubonsee Community College	Bobby	Waszak
Waubonsee Community College	Gene	Wojtal
Waubonsee Community College	Joe	Zappia

DUPAGE PARKING LOTS & SIDEWALKS WORKSHOP October 17, 2019

Agency	First Name	Last Name
Village of Westmont	Eric	Borys
Village of Westmont	Kyle	Buschman
Village of Westmont	Noriel	Noriega
Village of Westmont	Randy	Tuchow
Wheaton Sanitary District	Zach	Billings
Wheaton Sanitary District	Zack	Bond