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 4001443

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

Name: Village of Schaumburg Mailing Address 1: 714 South Plum Grove Road

Mailing Address 2: County Cook

City: Schaumburg State: IL Zip: 60193 Telephone: 847.895.7100

Contact Person: Brian Wagner Email Address: bwagner@ci.schaumburg.il.us
(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 State of Illinois

THE FOLLOWING ITEMS MUST BE ADDRESSED.

A. Changes to best management practices (check appropriate BMP change(s) and attach information regarding change(s) to BMP and measurable goals.)

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

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))

Brian P. Wagner
Owner Signature:

6/1/2020
Date:

Brian Wagner
Printed Name.

Utilities Superintendent
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

Village of Schaumburg
Annual Summary Report of MS4 System
March 2019-March 2020
NPDES Permit # ILR400443

A. Changes to Best Management Practices

- BMP A.5**:** Stormwater Educational Program development with local school
- BMP C.9**:** Insert a PSA in Village newsletter about illicit discharges and reporting

B. Status of Compliance with Permit Conditions

BMP A.1

Summary: Provide EPA Handouts (After the Storm & Protecting Water Quality from Urban Runoff), Climate Change Handouts, and Detention Basin Do's/Don'ts handout to residents

Appropriateness: The handouts are easy to understand for residents and beneficial educational tools.

Measurable Goal: Provide 100 copies throughout the year of the handout materials at Library, Village Hall, EPW Open House.

BMP A.2

Summary: Hold public annual MS4 meetings

Appropriateness: Public meetings allow for residents to voice concern and share new ideas about the policy being discussed.

Measurable Goal: Attempt to boost public participation through increased meeting attendance.

BMP A.3

Summary: Stormwater pollution prevention PSA and MWRD rain barrel videos on the village website.

Appropriateness: Increasing the amount of information available to the public allows greater awareness and increases the likelihood of resident participation.

Measurable Goal: Reduce pollutant loads in known troubled waterways and increase sales of rain barrels through municipal drives.

BMP A.4

Summary: Annual Touch-a-Truck/Public Works Open House

Appropriateness: The Public Works Open House gives the Village an opportunity about the equipment used by the Village and the need for pollution prevention. 459 residents attended the 2019 EPW Open House.

Measurable Goal: Continue annual Public Works Open House/Touch-a-Truck event.

BMP A.6

Summary: Fish Grate standard enforcement and Village Green Corner website

Appropriateness: The fish grate standard is a proven effective tool for notification that the storm sewer drains to a waterway. The Village Green Corner website provides environmental education materials, links to the Comprehensive Green Action Plan and the Biodiversity Plan, and information about Village environmental events.

Measurable Goal: Continue Village standard use requiring fish grates on open lid structures. Continue to update Green Corner website.

BMP B.1

Summary: Village Environmental Committee

Appropriateness: The Environmental Committee provides valuable recommendations to the Village Board to ensure that the environmental protection, including through best management stormwater practices, is a priority in the Village. The Committee also performs environmental educational tasks for residents and schools

Measurable Goal: Maintain Environmental Committee.

BMP B.2

Summary: Annual Village Environmental Fair

Appropriateness: The environmental fair allows for hands-on education about environmental issues, including stormwater and pollution prevention.

Measurable Goal: Held Annual Environmental Fair (May 11, 2018). Scheduled 2019 Environmental fair for May 12, 2020.

BMP B.3

Summary: Met with Homeowners Associations for education and feedback

Appropriateness: HOAs manage maintenance and upkeep of many private-owned stormwater facilities which the Village is not responsible for. This will allow the Village provide feedback on the HOA's maintenance activities and provide updates to latest best management practices, as well as answer questions that the HOAs might have.

Measurable Goal: Meet with 10% of HOAs per year.

BMP B.5

Summary: Adopt-a-Highway, Adopt-a-Bikepath

Appropriateness: These programs provide a dual benefit of removing potential pollutants from streets and paths in order to protect the downstream sewers and waterways and educates the members of participating groups about pollution issues.

Measurable Goal: Promote and increase participation in Adopt-a-Highway and Adopt-a-Bikepath.

BMP B.6

Summary: Annual Village Recycling Event & Village Recycling Boxes

Appropriateness: The annual recycling event provides a dual benefit of removing potential electronic, clothing, paper (documents), eye-glass, CFL light bulb, and household battery waste from entering the environment and educating the public on potential hazards of these wastes. The Village also has CFL light bulb, household battery, and Christmas tree light drop-off sites at major Village buildings.

Measurable Goal: Advertise and hold annual electronics recycling event. Maintain waste drop-off sites at major Village buildings.

BMP C.1

Summary: Update GIS Sewer Maps as necessary and install outfall number markers

Appropriateness: The GIS Sewer Maps are required as part of the ILR40 permit. The maps and the outlet marking provide valuable information to Village staff for outfall monitoring and illicit discharge tracing.

Measurable Goal: The GIS Sewer Map has been fully completed and is available online, but will be updated as storm sewer improvement projects are implemented. 60% of outfalls have been marked thus far. An additional 20% will be marked each year for the next two years.

BMP C.2

Summary: Provide phone number on village website for illicit discharge reporting.

Appropriateness: Reporting discharges increases response time as discharges can be reported faster than waiting for regular inspections by Village staff.

Measurable Goal: Increase number of illicit discharge incident reports.

BMP C.3

Summary: Identify high risk outfalls and develop outfall inspection priority list

Appropriateness: The ILR40 statewide permit requires that priority outfalls be inspected every year. Establishing an inspection priority list will allow the Village to meet this requirement and will protect the most vulnerable water resources.

Measurable Goal: Continue to use high-risk outfall maps to ensure high-risk outfalls are inspected at least once per year.

BMP C.4

Summary: Utilize a flow chart for illicit discharge tracking.

Appropriateness: Using a flow chart will result in reduced spread and damage from illicit discharge due to lack of variables in the discharge identification and clean-up processes.

Measurable Goal: distribute tracking forms to public works staff for easy access and increased availability.

BMP C.5

Summary: Formalize a spill response plan and source removal procedures.

Appropriateness: a formal spill response results in quicker handling of the situation due to step-by-step instructions regarding the spill cleanup processes.

Measurable Goal: Implement a formal spill response process and train staff on the new procedures.

BMP C.6

Summary: DuPage River Salt Creek Workgroup stream monitoring program

Appropriateness: The stream monitoring program allows the participating municipalities to assess the effectiveness of stormwater pollution prevention activities, and allow the DRSCW to revise educational seminars based on sampling results.

Measurable Goal: Assess the effectiveness of stormwater pollution prevention activities.

BMP C.7

Summary: Dry-weather Outfall Inspections

Appropriateness: Annual dry-weather outfall inspections are extremely important towards identifying illicit discharges.

Measurable Goal: Inspect all outfalls during dry weather once annually.

BMP C.8

Summary: Develop field testing procedures of sites where visual inspection causes suspicion for illicit discharge.

Appropriateness: keeping a field kit on hand and having a list or flow chart of visual observation procedures would result in decreased response time versus public works staff having to retrieve or wait for a field test kit.

Measurable Goal: Distribute flow chart of visual observation procedures and a quick-list of observation indicators that could aid in identifying illicit discharges.

BMP D.1

Summary: Village Floodplain, Subdivision Control, and Wetland Protection Village Ordinances and MWRD WMO requirements

Appropriateness: Both the Village Code of Ordinances and MWRD Watershed Management Ordinance meet the minimum requirements of the ILR10 permit, provide protection of natural resources, and provide best management practices for construction activities and post-construction pollution prevention.

Measurable Goal: Enforce ordinance requirements for all applicable developments.

BMP D.2

Summary: Update and enforcement of Village Floodplain, Subdivision Control, and Wetland Protection Village Ordinances erosion control practices and enforcement of MWRD WMO erosion control requirements (Chapters 400, 401, 402, 403)

Appropriateness: Both the Village Code of Ordinances and MWRD Watershed Management Ordinance (WMO) meet the minimum requirements of the ILR10 permit, provide protection of natural resources, and provide best management practices for construction activities and post-construction pollution prevention, specifically soil erosion and sediment control.

Measurable Goal: Enforce soil erosion and sediment control requirements in each Ordinance to all applicable developments.

BMP D.3

Summary: WMO Chapter 403 requires construction waste to be disposed of offsite and prohibits temporary storage of construction materials within the floodplain

Appropriateness: The requirements of Chapter 403 provide protection from pollution even during storm events up to the 100-year event, and keep all construction materials either protected onsite or properly contained at a disposal facility offsite.

Measurable Goal: Enforce MWRD Chapter 403 during design review and during construction site inspections.

BMP D.4

Summary: Land Development Permit Application reviews and MWRD Stormwater Management Reviews

Appropriateness: The site plan review procedures ensure that the pollution prevention designs for each project during construction meet both ordinance requirements.

Measurable Goal: Continue site plan review procedures and update as necessary with any revisions to the Village Ordinance or the WMO.

BMP D.5

Summary: Annual public meeting for MS4 feedback.

Appropriateness: Including Village residents in the feedback and decision-making process is imperative for ensuring public cooperation throughout the MS4 and NPDES process.

Measurable Goal: Include resident attendance in the meeting minute notes and track public participation in such events.

BMP D.6

Summary: Tree protection fencing inspections and erosion control inspections of construction sites and enforcement of project securities for construction

Appropriateness: Construction inspections performed by the Village ensure that the designed pollution prevention elements are utilized properly during construction, and correct any deficiencies.

Measurable Goal: Perform and log erosion control and tree fencing inspections of all construction sites, enforce and log work stoppage requirement for grading violations, and enforce project security

BMP E.1

Summary: Village Biodiversity Plan and Comprehensive Green Action Plan

Appropriateness: Both plans provide guidance to the Village for protecting and restoring valuable environmental resources, utilizing green infrastructure to protect water resources, such as native landscaping and rain barrel installation, and Village-wide recycling programs.

Measurable Goal: Maintain Village Biodiversity Recovery Plan and Comprehensive Green Action Plan on the Village website.

BMP E.2

Summary: Enforcement of MWRD WMO requirements for Best Management Practices (Chapter 503)

Appropriateness: The best management practice ordinance requirements provide valuable first-flush treatment and frequent storm event storage volume to protect the downstream water resources.

Measurable Goal: Review all permit applications for compliance with post construction BMPs according to WMO.

BMP E.3

Summary: Village storm sewer repair and maintenance projects, Operations & Maintenance Manual enforcement, and enforcement of MWRD WMO long term maintenance requirements for BMPs

Appropriateness: The Village sewer repair and maintenance project provides repair of damaged structures to prevent contamination of stormwater from a variety of structures. The Operations & Maintenance manual provides an easily available source for all employees to utilize. MWRD's long-term maintenance requirements ensure that best management practices are maintained in perpetuity.

Measurable Goal: Continue development of 5-year budget plan for storm sewer repair and maintenance and perform budgeted improvements. Train EPW employees on use of the Operations & Maintenance Manual.

BMP E.4

Summary: Village review process for stormwater BMPs and erosion control design prior to permit issuance per Village Ordinance and WMO.

Appropriateness: The site plan review procedures ensure that the pollution prevention designs for post-construction treatment meet both ordinance requirements.

Measurable Goal: Review all permit applications for compliance with post construction BMPs according to WMO and compliance with Village stormwater and erosion control regulations.

BMP E.5

Summary: Village and MWRD inspections of rough grading, drainage, landscaping, BMPs, and detention.

Appropriateness: Village and MWRD inspections during construction ensure that the designed best management practices are installed per plan and will function properly after construction completion.

Measurable Goal: Inspect all applicable sites and document inspections during construction for grading, drainage, landscaping, BMPs, and detention.

BMP E.6

Summary: Village inspections of rough grading, drainage, landscaping, BMP, and detention at completion of construction. MWRD final and post-construction inspections of BMPs.

Appropriateness: Final and post-construction inspections by Village and MWRD verify that all BMPs are operating properly.

Measurable Goal: Inspect all sites and document inspections at substantial completion for grading, drainage, landscaping, BMP, and detention. MWRD will continue final and post-construction inspections of BMPs.

BMP F.1 & F.4

Summary: Training with Engineering & Public Works Good Housekeeping & Pollution Prevention powerpoint and Village attendance at APWA deicing workshop

Appropriateness: Training of employees will ensure that all Village staff are aware of good housekeeping and pollution prevention practices. Attendance at the deicing workshop will keep the Village up to date on latest best practices.

Measurable Goal: Annual Good Housekeeping & Pollution Prevention powerpoint review with EPW staff. Send two EPW employees per year on DRSCW chloride reduction workshop or APWA deicing workshop.

BMP F.2

Summary: MWRD Creek inspection & maintenance program, Street Sweeping, annual catch basins cleaning and cleaning adjacent to construction projects, Hot Spot Patrol and Inlet Cleaning Program, Village Severe Weather Emergency Plan, storm sewer repair and maintenance projects, and partnership with Park District to maintain detention basins with Village inspections

Appropriateness: All of these programs and measures maintain the integrity of the storm sewer system to protect the stormwater resources.

Measurable Goal: Inspect 20% of West Branch annually and perform maintenance. Maintain street sweeping program and schedule. Clean 500 catch basins annually and log cleaning. Utilize and update Hot Spot Patrol & Village Severe Weather Emergency Plan. Continue 5-year budget plan for storm sewer repair and maintenance and perform budgeted improvements. Inspect all Park District and private detention basins once annually and provide inspection reports to Park District.

BMP F.3

Summary: Use of filter bags on pump discharges during utility excavation work, use of catch-all filters, containment and treatment of truck wash water, and proper salt, fertilizer, pesticide, building material, and detergents storage.

Appropriateness: All of the listed practices utilized by the Village protect stormwater quality and limit the likelihood of spill events.

Measurable Goal: Investigate and utilize new technology for pollution prevention for Village operations. Inspect truck wash, salt, fertilizer, pesticide, building material, detergent storage facilities and make repairs as necessary annually and log inspection.

BMP F.5

Summary: Attendance at APWA or DuPage County pollution prevention for MS4 communities' workshop.

Appropriateness: attendance at such an event not only results in a more educated Village staff and policymaking decisions, but also puts Village staff in contact with other municipalities undergoing the same processes.

Measurable goal: Confirm a Village representative or representatives to attend such meetings and workshops

BMP F.6

Summary: Membership in DuPage River Salt Creek Workgroup, Upper Salt Creek Watershed Planning Council, and Poplar Creek Planning Council (*included in missing documents list*)

Appropriateness: Participation in these councils and workgroup allow the Village to collaborate with other municipalities and groups within each watershed to collaborate on improvement projects and best management practices.

Measurable Goal: Continue membership in DuPage River Salt Creek Workgroup, Upper Salt Creek Watershed Planning Council, and Poplar Creek Planning Council

C. Information and Data Collection Results

Please see the attached NPDES Activities document prepared by the DuPage River Salt Creek Workgroup.

D. Summary of Next Reporting Period Stormwater Activities

BMP A.2 & D.5

Summary: Annual public meeting for MS4 feedback

Appropriateness: An annual public meeting will allow the Village to educate residents on the MS4 pollution protection procedures, disseminate educational materials, and receive feedback from residents about pollution prevention practices throughout the Village.

Measurable Goal: Dedicate portion of a Public Meeting towards MS4 discussion and feedback, and continue annually.

BMP A.3

Summary: Stormwater Pollution Prevention PSA and MWRD rain barrel video on Village website

Appropriateness: The PSA and rain barrel video will provide an additional educational resource to supplement the written educational materials.

Measurable Goal: Add PSA and educational video links to Village website, maintain links as website updates are made, and include additional PSAs as they become available.

BMP A.5

Summary: Stormwater Educational Program to be developed with local school

Appropriateness: The educational program will allow the Village to reach younger residents to whom other educational outreaches practices might not typically reach.

Measurable Goal: Implement at least one annual stormwater pollution prevention educational class at a local elementary, middle, or high school.

BMP B.3

Summary: Continue to meet with Homeowners Associations for education and feedback

Appropriateness: HOAs manage maintenance and upkeep of many private-owned stormwater facilities which the Village is not responsible for. This will allow the Village provide feedback on the HOA's maintenance activities and provide updates to latest best management practices, as well as answer questions that the HOAs might have.

Measurable Goal: Meet with 10% of HOAs per year.

BMP C.2

Summary: Provide phone number for illicit discharge reporting on Village website

Appropriateness: Publishing the illicit discharge phone number in a highly visible location will allow the Village to better monitor and correct illicit discharges throughout the Village.

Measurable Goal: The illicit discharge reporting hotline number has been posted to the Village public works web page and will be monitored for reports throughout 2019-2020 and further.

BMP C.3

Summary: Identify high risk outfalls and develop outfall inspection priority list

Appropriateness: The ILR40 statewide permit requires that priority outfalls be inspected every year. Establishing an inspection priority list will allow the Village to meet this requirement and will protect the most vulnerable water resources.

Measurable Goal: Continue to use high-risk outfall maps to ensure high-risk outfalls are inspected at least once per year.

BMP C.4

Summary: Utilize flow chart for illicit discharge source tracing

Appropriateness: Creating and following a set illicit discharge tracing flow chart will allow the Village to consistently trace illicit discharges across all staff.

Measurable Goal: Implement updated illicit discharge tracing procedures in conjunction with inspections in 2019 and on.

BMP C.5

Summary: Formalize a spill response plan and source removal procedures

Appropriateness: Creating and following a set spill response plan will allow the Village to train EPW staff consistently on spill response and source removal.

Measurable Goal: Developed spill response plan and source removal procedure plan, and trained EPW staff on the use of the flow chart March 6, 2019. Continue to implement spill response plan and source removal procedure plan.

BMP C.8

Summary: Develop field testing procedures of sites where visual inspection causes suspicion for illicit discharge

Appropriateness: Development of field testing procedures, or, at a minimum, sample collection procedures for outside analysis, will allow the Village to train EPW staff consistently on testing/sample grabbing.

Measurable Goal: Developed sample grabbing procedures in 2019. Continue to conduct sample grabbing procedures.

BMP C.9

Summary: Insert a Public Service Announcement in Village newsletter about illicit discharges and reporting (*prohibited discharged ordinance included, no PSA/handout*)

Appropriateness: The PSA will inform residents about what are considered illicit discharges and what should be reported to the Village, and will either eliminate confusion or close the knowledge gap about illicit discharges.

Measurable Goal: Include illicit discharge PSA once annually in Village newsletter starting in 2020.

BMP F.5

Summary: Attendance at APWA or DuPage County pollution prevention for MS4 communities workshop

Appropriateness: Each of these pollution prevention courses provide a refresher about current MS4 requirements and updates to MS4 requirements, as well updates to best management practices. These classes allow the Village to update their practices every year.

Measurable Goal: Send two EPW employees annually to one of these MS4 workshops.

E. Notice of Reliance on Another Governmental Entity

The Village is a member of the DuPage River Salt Creek Workgroup. The Workgroup is not a governmental entity in itself but does collaborate with many governmental agencies within the watershed. The DuPage River Salt Creek Workgroup performs sampling within the Salt Creek.

The Metropolitan Water Reclamation District of Greater Chicago performs construction site, final approval, and post-construction best management practice and detention inspections in order to enforce the requirements of the WMO.

F. Village Projects Conducted During the Report Period

F.1 The Storm Sewer Division has completed the following in **March of 2019**:

- Completed three inlet repairs.
- Completed seven manhole / catch basin repairs.
- Cleaned 25 catch basins.
- Performed 296 hot spot inspections.
- Completed 52 inspections of illicit discharge.
- March 2019: Completed 789 requests for J.U.L.I.E. locates.
- March 2018: Completed 1,082 requests for J.U.L.I.E. locates.
- Continued to update GIS system.
- Completed 27 Customer Service Requests.
- Assisted with median protection fence removal, 56 hours.
- Assisted Water Division with repairs.
- Assisted Sanitary Division with repairs.

F.2 The Storm Sewer Division has completed the following in **April of 2019**:

- Completed 26 inlet repairs.
- Completed a manhole / catch basin repair.
- Cleaned eight catch basins.
- Performed 84 hot spot inspections.
- April 2019: Completed 1,959 requests for J.U.L.I.E. locates.
- April 2018: Completed 1,547 requests for J.U.L.I.E. locates.
- Completed ten Customer Service Requests.

F.3 The Storm Sewer Division has completed the following in **May of 2019**:

- Completed seven inlet repairs and two manhole/catch basin repairs
- Completed 641 inlet cleanings
- Cleaned one catch basin
- Performed 641 hot spot inspections.
- Completed 32 Customer Service Requests
- May 2019: Completed 1,514 requests for J.U.L.I.E. locates
- May 2018: Completed 1,239 requests for J.U.L.I.E. locates

F.4 The Storm Sewer Division has completed the following in **June of 2019**:

- JULIE Locates - 1944, 544.25 hours
- Sewer Repairs - 29, 185 hours
- Hot Spot inspections 293, 38 hours

F.5 The Storm Sewer Division has completed the following in **July of 2019**:

- JULIE Locates: 1195 - 551.25 hours
- Sewer Repairs: 17,184 hours
- Hot Spot inspections: 106 - 43 hours

- Large sewer repair at Aldrin School
- Prepared exhibit documenting drainage conditions in Centex area
- Worked with IDOT to complete a ditching project on Higgins Road east of Meacham Road
- Assisted the Street Division with paving operations.

F.6 The Storm Sewer Division has completed the following in **August of 2019**:

- Completed 891 JULIE Requests
- Repaired 12 Storm Sewer Inlets
- Inspected 145 Hot Spots
- Trained an additional staff member to perform JULIE requests.
- Completed a repair on a large sewer behind Aldrin School.
- Assisted with Septemberfest operations.

F.7 The Storm Sewer Division has completed the following in **September of 2019:**

- Completed 891 JULIE requests
- Repaired 12 storm sewer inlets
- Inspected 145 hot spots
- Trained an additional staff member to perform JULIE requests
- Assisted with street paving operations.

F.8 The Storm Sewer Division has completed the following in **October of 2019**:

- JULIE Locates - 1831 requests (562.50 hours)
- Hot Spot Inspections (161.50 hours)
- Inlet Repairs (110 hours)
- Storm Underdrain Installation (38 hours)
- Assisted Street Division with paving operations
- Trained a new employee to perform JULIE locates
- Supervisor attended final year of Illinois Public Service Institute training
- Attended First Aid CPR recertification
- Two employees attended Storm Water Inspector Training

F.9 The Storm Sewer Division has completed the following in **November of 2019**:

- JULIE Requests 1170 Completed - 538.50 hrs.
- Hot Spot Inspections - 161.50 hrs.
- Median Fence Installation - 185.50 hrs.
- Two members of the division recertified for their FAA Drone Certificate
- Completed a walkthrough of the Walnut Lane reconstruction
- Supported the Landscape Division during winter median fence installation

F.10 The Storm Sewer Division has completed the following in **December of 2019**:

- JULIE Locates - 373.25 Hours
- Catch Basin Cleaning - 82.75 Hours

- Storage Area Maintenance - 72 Hours
- Two staff members recertified their Remote Pilot License through the FAA to operate the Department's drone legally
- Continued to make corrections to the GIS
- Repaired and repainted life preserver stations around the Atcher Municipal Center

F.11 The Storm Sewer Division has completed the following in **January of 2020**:

- Snow and Ice Operations - 646.25 hours
- JULIE locates - 234 hours
- Hot Spot Inspections - 137 hours
- Continue to Update GIS
- Rehabilitated life ring boxes around the Atcher Municipal Center

F.12 The Storm Sewer Division has completed the following in **February of 2020**:

- Snow and ice storm event – 538.75 hours
- JULIE locating – 220.50 hours
- Storm sewer televising – 115.5 hours
- Illegal discharge inspections - 95.5 hours
- Catch basin cleaning – 63 hours
- Attended JULIE Seminar
- Attended Water Wastewater Equipment Treatment Transport Show
- Completed Illicit Discharge Program for MS4 Permit Compliance

Appendix A
BMP Section A

PURDUE UNIVERSITY

PURDUE EXTENSION

FNR-426-W
IISG-10-14

Climate Change
How will you manage stormwater runoff?

EXPERT REVIEWED

Robert McCormick, Planning with POWER Project Leader, Illinois-Indiana Sea Grant
Leslie Dorworth, Aquatic Ecologist, Illinois-Indiana Sea Grant

Introduction

Most climate change scientists agree on one thing: we're going to see more frequent and intense storm and rainfall events along with increased flooding, stormwater runoff, and soil erosion. The increased runoff and flooding will force planners and stormwater specialists to develop strategies to deal with the increased volume and velocity of stormwater.

Some of these strategies may include:

1. Plan for more green infrastructure.
2. Use low impact development strategies to reduce stormwater.
3. Minimize impervious surfaces such as parking lots, roads, and rooftops.
4. Use smart growth and sustainable growth strategies that decrease road building and include transportation choices other than automobiles.
5. Encourage riparian buffers along streams, rivers, and waterways and maintain flood plains.
6. Protect and reestablish wetlands to hold runoff and recharge groundwater.
7. Encourage tree planting, especially in urban settings.
8. Promote landscaping with native vegetation to further reduce runoff and the need for irrigation.
9. Accelerate the move to separate, combined sewer overflows to reduce pollution from sewage, bacteria, and *E. coli* entering waters during storm events.
10. Coordinate planning of infrastructure, housing, and transportation under the new climate change regime.

Plan for More Green Infrastructure

The infrastructure that supports a community includes both the gray infrastructure we build (roads, buildings, sewer/water/electrical lines) and the green infrastructure or the natural environment (water, air, natural resources). When developing a plan for the future, think of green infrastructure as a network of interconnected natural areas and open space that provides critical functions such as groundwater recharge, pollution mitigation, reduced

runoff and erosion, and improved air quality for communities. Forests, wetlands, natural areas, riparian buffers, agricultural land, and flood plains are examples of green infrastructure. Communities may also need to develop strategies for upgrading infrastructure in already developed areas.

Use Low Impact Development Strategies

Traditional approaches to stormwater management include use of pipes, curbs, gutters, storm drains, and detention ponds. With more frequent and intense precipitation events, communities will need to use new strategies such as bioretention, vegetated swales, and porous/pervious/permeable paving alternatives to supplement traditional stormwater conveyance systems.

Minimize Impervious Surfaces

Two-thirds of our impervious surfaces today consist of roads, highways, and parking lots. We'll need new ordinances and building/construction design requirements to reduce imperviousness in the future. Many communities are revising parking lot requirements and designs for new buildings. Road construction is under increased scrutiny across the country as community planners ask for complete streets that include space for pedestrians, bicycles, and mass transit. Increasing our transportation choices reduces the need for more pavement.

Use Smart Growth and Sustainable Growth Strategies

Smart growth strategies direct development near existing infrastructure. By locating new houses near offices and entertainment in downtown and town centers, we reduce the need for new infrastructure (roads, streetlights, electric lines, sewers, waterlines, gas lines, etc.). This lowers greenhouse emissions and ultimately lessens the cost of services for all communities. Combining compact, mixed-use development with commercial, residential, and office space leads to reduced water consumption and runoff. At the same time, it reduces greenhouse gas emissions by reducing energy consumption.

Encourage Riparian Buffers and Maintain Flood Plains

Increased precipitation events will dictate how we mitigate runoff from flooded areas. Changes in climate will force us to maintain natural flood plains and to forbid construction and development in those flood plains. Under certain scenarios, flood plains may need to be expanded to encompass more land area that will accommodate the increased rainfall events. In addition, we'll need riparian buffers (vegetated areas) and filter strips along waterways to further slow runoff and filter non-point pollutants. Otherwise, we could face increased erosion and, with it, increased pollution of streams, rivers, and lakes.

Protect and Reestablish Wetlands

Wetlands could become increasingly important both in drier areas and in high-runoff areas under future climate change scenarios. They'll be highly valued, because they have great capacity to hold water, recharge groundwater, and mitigate water pollutant. Constructed wetlands, as well as natural wetlands, will be valued for these vital functions related to a community's water supply.

Encourage Tree Planting

We should plant more trees in our communities. Trees help us manage stormwater by reducing runoff and mitigating erosion along streams and waterways when they are part of riparian buffers. Other critical functions provided by trees include cooling the heat islands in urban areas and shading pedestrians as they travel on streets and roadways.

Promote Landscaping with Native Vegetation

Traditional landscaping includes high-maintenance turfgrass and other nonnative species that require vast amounts of water during dry periods. In addition, turfgrass and nonnative species require excess fertilizer and pesticide applications that contribute to nonpoint pollution and runoff. This further contaminates surface and groundwater resources of local communities. Communities should promote the use of native vegetation in landscaping.

Accelerate the Move to Separate, Combined Sewer Overflows

Increased frequency and intensity of storm events will result in more combined sewer overflows (CSOs) that release additional, untreated sewage into streams and rivers across the country. That sewage carries with it bacteria, particularly *E. coli*. CSOs are regulated and every community should have a mitigation control plan; however, the need to replace this outdated infrastructure with the new climate change forecasts is much more urgent now due to the increased potential for contamination.

Coordinate Planning of Infrastructure, Housing, and Transportation

Finally, coordination in planning becomes essential as the overall system faces increased stress. Land-use planning is closely linked to transportation planning, and both have tremendous effects on the environment and natural resources. We must use our critical resources efficiently as we face potential climate change that could cause scarcity, depletion, and diminished quality of water, land, and air for communities in the future. With planning we can prevent some of these problems.

Additional Resources

Chicago Wilderness

www.chicagowilderness.org

Chicago Wilderness is an alliance of federal, state, and local governments, environmental and non-governmental organizations, and institutions of higher learning working together to improve the quality of life and to protect natural resources for the citizens of the Chicago region. The group has developed the Climate Action Plan for Nature, which addresses biodiversity and climate change in the Chicago region.

Chicago Climate Action Plan

www.chicagoclimateaction.org

The Chicago Climate Action Plan highlights the plans the city of Chicago proposes to take on relative to reducing the city's contribution to climate change.

NOAA Climate Services

www.climate.gov/#climateWatch

NOAA Climate Services site provides a national perspective on the impacts of climate change.

Intergovernmental Panel on Climate Change

www.ipcc.ch

The Intergovernmental Panel on Climate Change is the leading body for the assessment of climate change, established by the United Nations Environment Program (UNEP) and the World Meteorological Organization (WMO) to provide the world with a clear scientific view on the current state of climate change and its potential environmental and socio-economic consequences.

The Midwestern Regional Climate Center

http://mcc.sws.uiuc.edu

The Midwestern Regional Climate Center at the University of Illinois serves the nine-state (Illinois, Indiana, Wisconsin, Michigan, Kentucky, Iowa, Missouri, Minnesota, and Ohio) Midwest region. The center is an excellent source for climate data and research.

Post Carbon Institute

www.postcarbon.org

Post Carbon Institute provides individuals, communities, businesses, and governments with the resources needed to understand and respond to the interrelated economic, energy, and environmental crises that define the 21st century.

For More Information

ID-255 *Protecting Our Water and Environmental Resources*

ID-256 *Nonpoint Source Pollution: A Threat to Our Waters*

ID-257 *Impacts of Development on Waterways*

ID-258 *Strategies for Coping with Runoff*

ID-259 *How to Get Started: Protecting Your Community From Polluted Runoff*

ID-260 *The Relationship Between Land Use Decisions and the Impacts on Our Water and Natural Resources*

FNR-245 *Brownfields: A Rural Community Problem*

FNR-255 *Stormwater Runoff*

FNR-256 *Stormwater and Non-Point Source Pollution*

FNR-257 *Open Space Planning*

FNR-409-W *Smart Growth and Protection of Natural Resources*

FNR-415-W *Sustainable Land Use: Impact on Climate Change and Health*

FNR-425-W *Climate Change: Are you preparing for it?*

FNR-427-W *Climate Change: Where does it fit in your future plans?*

Planning with POWER Presentation module model ordinances also are available.

These publications are available on the *Planning with POWER* website: www.planningwithpower.org

Local Decision Maker, a new Web-based GIS planning tool and decision support system is now available at: www.purdue.edu/ldm

If you are interested in pursuing the Smart Growth Principles, the protection of natural resources, and natural-resources-based planning, contact Robert McCormick at (765) 494-3627 and or rmccormi@purdue.edu.

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PURDUE AGRICULTURE

NEW 1/11

DETENTION BASIN DO'S AND DONT'S

DO'S

- **DO** inspect inlet and outlet facilities initially on a monthly basis until the appropriate timing of maintenance is established; prepare a maintenance schedule that assures proper function.
- **DO** conduct maintenance per schedule, or on an as-needed basis after a storm event.
- **DO** keep screen and/or trash rack free from debris using established maintenance schedule or on an as-needed basis after a storm event.
- **DO** report damage to side slopes, basin banks, inlet pipe, outlet structure; prepare a repair schedule and complete repairs.
- **DO** remove vegetation adjacent to outlet works that may interfere with operation; if noxious weeds are present, schedule treatment and remove.
- **DO** remove debris and trash from the detention basin and surrounding area and dispose properly.
- **DO** collect grass clippings and all other trimmings and take offsite for disposal or dispose in trash on site; do not leave in the basin.
- **DO** notify owner of any hazardous conditions or materials found during inspection.

DON'TS

- **DO NOT** mow detention basin too close to the surface. Height should be 4 to 6 inches to maintain healthy grasses.
- **DO NOT** clean equipment or conduct maintenance on equipment in the detention basin, or near a storm drain or other stormwater conveyance feature.
- **DO NOT** leave grass clippings or trimming residue near basins; collect and dispose of in trash.
- **DO NOT** apply landscaping chemicals in basin area, or in areas where the residue could flow into the basin during a storm event.
- **DO NOT** attempt to clean up any unidentified or possibly hazardous materials found in or around basin during inspections; notify owner immediately upon discovery of hazardous materials.

Village Officials

Village President

Al Larson

Trustees

Marge Connelly

Hank Curcio

George Dunham

Frank Kozak

Mark Madej

Jack Sullivan

Village Clerk

Marilyn Karr

Village Manager

Ken Fritz

VILLAGE OF SCHAUMBURG

101 Schaumburg Court
Schaumburg, IL 60193-1899

847.923.4430
or 311 while in Schaumburg

FAX: 847.923.4474

www.villageofschaumburg.com

VILLAGE OF SCHAUMBURG

DETENTION BASINS

DO YOU HAVE A DETENTION BASIN ON YOUR PROPERTY?

Detention basins are used to:

- reduce peak stormwater runoff rates by providing temporary storage during larger storm events
- improve the quality of urban runoff from roads, parking lots, residential neighborhoods, commercial areas, and industrial sites

If the detention basin on your property was constructed early in the development process, it was probably used to trap sediment from construction activities in the tributary drainage area, a very effective way to collect and remove pollutants. In addition, the basin on your property may provide other benefits such as passive recreation and open space opportunities in addition to reducing peak runoff rates and improving water quality.

WHO'S RESPONSIBLE FOR YOUR BASIN?

Designation of a responsible party is important to assure proper operation of your detention basin feature. In some instances this may be a shared responsibility. In the majority of cases, the commercial property owner or the HOA is responsible for the correct operation and proper maintenance of the basin.

WHY MAINTAIN YOUR BASIN?

Stormwater runoff is a significant source of water pollution in urbanizing areas. In addition, the increased volumes of flow resulting from added impervious areas during urbanization results in increased runoff volumes. Detention facilities mitigate both scenarios in providing a treatment basin for pollutant removal as well as a collection basin to retain the larger flows and thus reduce the peak runoff rates downstream. Properly maintained detention basins can be very effective at removing certain pollutants and providing necessary storage volumes during larger storm events. Improperly maintained basins can increase the discharge of pollutants downstream, increase the risk of flooding downstream, increase the instability of downstream channels, and lead to aesthetic and nuisance problems.

WHY SOME DETENTION BASINS FAIL

Studies show that poor operation and maintenance is the leading cause of basin failure. Poor maintenance can also create unpleasant odors, nuisance insects, algae blooms, and a generally unsightly, unkempt area.

Detention basins may fail due to:

- Poor vegetation maintenance in terms of mowing and weed control,
- Clogged inlets or outlets resulting from trash and debris, sediment accumulation,
- Failed side slopes,
- Inadequate access for routine maintenance activities.

Knowing why this basin was built at your commercial site or in your subdivision community and the importance of all the components working together should reduce the chance of basin failure.

MAINTENANCE CONSIDERATIONS

Routine maintenance, like mowing and debris removal is vital to the proper operation of the detention basin, and needs to be done on a frequent basis. Non-routine maintenance, like slope stabilization and sediment removal may be required on an annual basis.

Routine maintenance shall include:

Inspections: Periodic scheduled inspections with a specified checklist, and inspections after major rainfall events to check for obstructions/drainage and to remove debris/trash.

Vegetation management: Mowing on a regular basis to prevent erosion or aesthetic problems. Limited use of fertilizers and pesticides in and around the basins to minimize entry into the detention feature and subsequent downstream waters.

Trash, debris, and litter removal: Removal of any trash, etc. causing any obstructions at the inlet, outlet, or orifice during periodic inspections and especially after every runoff producing rainfall event. General pickup of trash, in and around the basin during all inspections.

Mechanical equipment check: Inspection of any valves, pumps, fence gates, locks or mechanical components during periodic inspections and appropriate replacement or repair.

Structural component check: Inspection of the outlet works, inlet, orifice, and trash rack, on a regular basis.

DEFINITIONS:

Wet detention basin: a basin designed to have a remaining permanent pool of water after a storm event.

Dry detention basin: a basin designed to NOT have a significant pool of water remaining after a storm event.

Tributary drainage area: the total land area that drains to the basin.

Impervious area: a solid surface that does not allow rain to be absorbed.

Stormwater runoff: runoff that occurs as a result of a rain or storm event hitting an impervious surface and running off.

Inlet: The point where stormwater enters the basin.

Outlet: A structure that controls the rate of release from the basin and the water depth and storage volume in the basin.

Restrictor/orifice: A controlled opening on the outlet structure through which stormwater is discharged from the basin (selected basins).

Emergency spillway: Conveyance feature of a detention basin to discharge excess stormwater flows to maintain the integrity of the basin structure during extreme runoff events.

Easements: An area with various restrictions to provide open access for inspection or repair of drainage features.

After the Storm

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.

The effects of pollution

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.

For more information contact:

or visit
www.epa.gov/npdes/stormwater
www.epa.gov/nps

United States Environmental Protection Agency
EPA

THE YEAR OF CLEAN WATER
Celebrating Achievement

EPA 833-B-03-002

January 2003

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A Citizen's Guide to Understanding Stormwater

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.

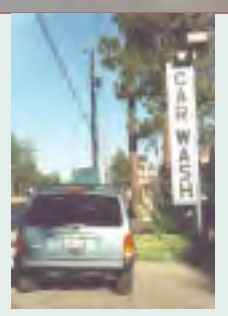
- Don't overwater your lawn. Consider using a soaker hose instead of a sprinkler.
- Use pesticides and fertilizers sparingly. When use is necessary, use these chemicals in the recommended amounts. Use organic mulch or safer pest control methods whenever possible.
- Compost or mulch yard waste. Don't 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.

Commercial

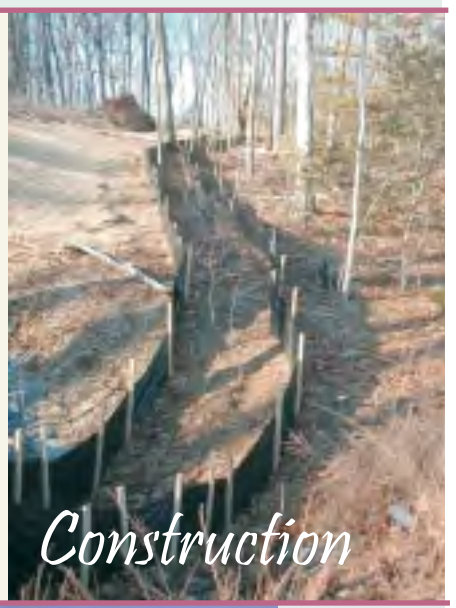
Dirt, oil, and debris that collect in parking lots and paved areas can be washed into the storm sewer system and eventually enter local waterbodies.

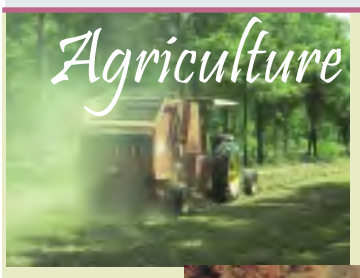
- Sweep up litter and debris from sidewalks, driveways and parking lots, especially around storm drains.
- Cover grease storage and dumpsters and keep them clean to avoid leaks.
- Report any chemical spill to the local hazardous waste cleanup team. They'll know the best way to keep spills from harming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

Construction

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.

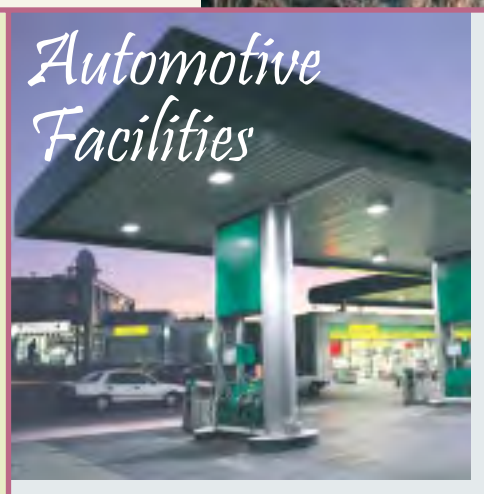




Agriculture

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.



Automotive Facilities

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.

Forestry

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.

EPA
United States Environmental Protection Agency

EPA 841-F-03-003

Protecting Water Quality *from* URBAN RUNOFF

Clean Water Is Everybody's Business

In urban and suburban areas, much of the land surface is covered by buildings and pavement, which do not allow rain and snowmelt to soak into the ground. Instead, most developed areas rely on storm drains to carry large amounts of runoff from roofs and paved areas to nearby waterways. The stormwater runoff carries pollutants such as oil, dirt, chemicals, and lawn fertilizers directly to streams and rivers, where they seriously harm water quality. To protect surface water quality and groundwater resources, development should be designed and built to minimize increases in runoff.

The most recent National Water Quality Inventory reports that runoff from urbanized areas is the leading source of water quality impairments to surveyed estuaries and the third-largest source of impairments to surveyed lakes.

Did you know that because of impervious surfaces like pavement and rooftops, a typical city block generates more than 5 times more runoff than a woodland area of the same size?

How Urbanized Areas Affect Water Quality

Increased Runoff

The porous and varied terrain of natural landscapes like forests, wetlands, and grasslands traps rainwater and snowmelt and allows them to filter slowly into the ground. In contrast, impervious (nonporous) surfaces like roads, parking lots, and rooftops prevent rain and snowmelt from infiltrating, or soaking, into the ground. Most of the rainfall and snowmelt remains above the surface, where it runs off rapidly in unnaturally large amounts.

Storm sewer systems concentrate runoff into smooth, straight conduits. This runoff gathers speed and erosional power as it travels underground. When this runoff leaves the storm drains and empties into a stream, its excessive volume and power blast out streambanks, damaging streamside vegetation and wiping out aquatic habitat. These increased storm flows carry sediment loads from construction sites and other denuded surfaces and eroded streambanks. They often carry higher water temperatures from streets, roof tops, and parking lots, which are harmful to the health and reproduction of aquatic life.

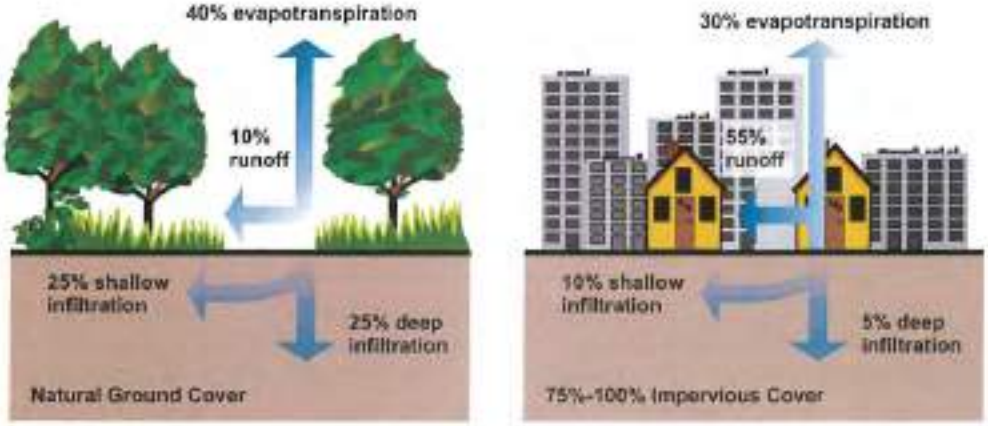
The loss of infiltration from urbanization may also cause profound groundwater changes. Although urbanization leads to great increases in flooding during and immediately after wet weather, in many instances it results in lower stream flows during dry weather. Many native fish and other aquatic life cannot survive when these conditions prevail.

Increased Pollutant Loads

Urbanization increases the variety and amount of pollutants carried into streams, rivers, and lakes. The pollutants include:

- Sediment
- Oil, grease, and toxic chemicals from motor vehicles
- Pesticides and nutrients from lawns and gardens
- Viruses, bacteria, and nutrients from pet waste and failing septic systems
- Road salts
- Heavy metals from roof shingles, motor vehicles, and other sources
- Thermal pollution from dark impervious surfaces such as streets and rooftops

These pollutants can harm fish and wildlife populations, kill native vegetation, foul drinking water supplies, and make recreational areas unsafe and unpleasant.



Relationship between impervious cover and surface runoff. Impervious cover in a watershed results in increased surface runoff. As little as 10 percent impervious cover in a watershed can result in stream degradation.

Managing Urban Runoff

What Homeowners Can Do

To decrease polluted runoff from paved surfaces, households can develop alternatives to areas traditionally covered by impervious surfaces. Porous pavement materials are available for driveways and sidewalks, and native vegetation and mulch can replace high maintenance grass lawns. Homeowners can use fertilizers sparingly and sweep driveways, sidewalks, and roads instead of using a hose. Instead of disposing of yard waste, they can use the materials to start a compost pile. And homeowners can learn to use Integrated Pest Management (IPM) to reduce dependence on harmful pesticides.

In addition, households can prevent polluted runoff by picking up after pets and using, storing, and disposing of chemicals properly. Drivers should check their cars for leaks and recycle their motor oil and antifreeze when these fluids are changed. Drivers can also avoid impacts from car wash runoff (e.g., detergents, grime, etc.) by using car wash facilities that do not generate runoff. Households served by septic systems should have them professionally inspected and pumped every 3 to 5 years. They should also practice water conservation measures to extend the life of their septic systems.

Controlling Impacts from New Development

Developers and city planners should attempt to control the volume of runoff from new development by using low impact development, structural controls, and pollution prevention strategies. Low impact development includes measures that conserve natural areas (particularly sensitive hydrologic areas like riparian buffers and infiltrable soils); reduce development impacts; and reduce site runoff rates by maximizing surface roughness, infiltration opportunities, and flow paths.

Controlling Impacts from Existing Development

Controlling runoff from existing urban areas is often more costly than controlling runoff from new developments. Economic efficiencies are often realized through approaches that target "hot spots" of runoff pollution or have multiple benefits, such as high-efficiency street sweeping (which addresses aesthetics, road safety, and water quality). Urban planners and others responsible for managing urban and suburban areas can first identify and implement pollution prevention strategies and examine source control opportunities. They should seek out priority pollutant reduction opportunities, then protect natural areas that help control runoff, and finally begin ecological restoration and retrofit activities to clean up degraded water bodies. Local governments are encouraged to take lead roles in public education efforts through public signage, storm drain marking, pollution prevention outreach campaigns, and partnerships with citizen groups and businesses. Citizens can help prioritize the clean-up strategies, volunteer to become involved in restoration efforts, and mark storm drains with approved "don't dump" messages.

Related Publications

Turn Your Home into a Stormwater Pollution Solution!
www.epa.gov/nps

This web site links to an EPA homeowner's guide to healthy habits for clean water that provides tips for better vehicle and garage care, lawn and garden techniques, home improvement, pet care, and more.

National Management Measures to Control Nonpoint Source Pollution from Urban Areas
www.epa.gov/owow/nps/urbanmm

This technical guidance and reference document is useful to local, state, and tribal managers in implementing management programs for polluted runoff. Contains information on the best available, economically achievable means of reducing pollution of surface waters and groundwater from urban areas.

Onsite Wastewater Treatment System Resources
www.epa.gov/owm/onsite

This web site contains the latest brochures and other resources from EPA for managing onsite wastewater treatment systems (OWTS) such as conventional septic systems and alternative decentralized systems. These resources provide basic information to help individual homeowners, as well as detailed, up-to-date technical guidance of interest to local and state health departments.

Low Impact Development Center
www.lowimpactdevelopment.org

This center provides information on protecting the environment and water resources through integrated site design techniques that are intended to replicate preexisting hydrologic site conditions.

Stormwater Manager's Resource Center (SMRC)
www.stormwatercenter.net

Created and maintained by the Center for Watershed Protection, this resource center is designed specifically for stormwater practitioners, local government officials, and others that need technical assistance on stormwater management issues.

Strategies: Community Responses to Runoff Pollution
www.nrdc.org/water/pollution/storm/stoinx.asp

The Natural Resources Defense Council developed this interactive web document to explore some of the most effective strategies that communities are using around the nation to control urban runoff pollution. The document is also available in print form and as an interactive CD-ROM.

For More Information

U.S. Environmental Protection Agency
Nonpoint Source Control Branch (4503T)
1200 Pennsylvania Avenue, NW
Washington, DC 20460
www.epa.gov/nps

February 2003

EPA
United States
Environmental Protection
Agency

EPA 841-F-03-003

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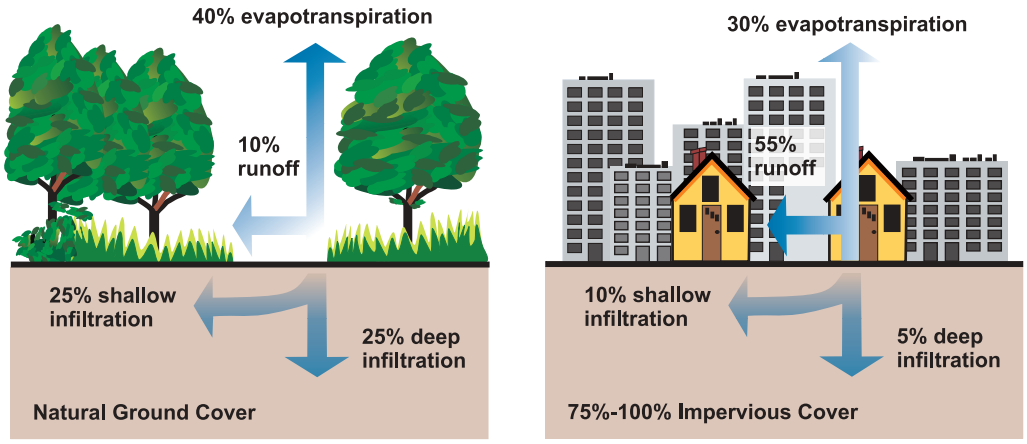

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In addition, households can prevent polluted runoff by picking up after pets and using, storing, and disposing of chemicals properly. Drivers should check their cars for leaks and recycle their motor oil and antifreeze when these fluids are changed. Drivers can also avoid impacts from car wash runoff (e.g., detergents, grime, etc.) by using car wash facilities that do not generate runoff. Households served by septic systems should have them professionally inspected and pumped every 3 to 5 years. They should also practice water conservation measures to extend the life of their septic systems.

Controlling Impacts from New Development

Developers and city planners should attempt to control the volume of runoff from new development by using low impact development, structural controls, and pollution prevention strategies. Low impact development includes measures that conserve natural areas (particularly sensitive hydrologic areas like riparian buffers and infiltrable soils); reduce development impacts; and reduce site runoff rates by maximizing surface roughness, infiltration opportunities, and flow paths.

Controlling Impacts from Existing Development

Controlling runoff from existing urban areas is often more costly than controlling runoff from new developments. Economic efficiencies are often realized through approaches that target "hot spots" of runoff pollution or have multiple benefits, such as high-efficiency street sweeping (which addresses aesthetics, road safety, and water quality). Urban planners and others responsible for managing urban and suburban areas can first identify and implement pollution prevention strategies and examine source control opportunities. They should seek out priority pollutant reduction opportunities, then protect natural areas that help control runoff, and finally begin ecological restoration and retrofit activities to clean up degraded water bodies. Local governments are encouraged to take lead roles in public education efforts through public signage, storm drain marking, pollution prevention outreach campaigns, and partnerships with citizen groups and businesses. Citizens can help prioritize the clean-up strategies, volunteer to become involved in restoration efforts, and mark storm drains with approved "don't dump" messages.

Related Publications

Turn Your Home into a Stormwater Pollution Solution!
www.epa.gov/nps

This web site links to an EPA homeowner's guide to healthy habits for clean water that provides tips for better vehicle and garage care, lawn and garden techniques, home improvement, pet care, and more.

National Management Measures to Control Nonpoint Source Pollution from Urban Areas
www.epa.gov/owow/nps/urbanmm

This technical guidance and reference document is useful to local, state, and tribal managers in implementing management programs for polluted runoff. Contains information on the best available, economically achievable means of reducing pollution of surface waters and groundwater from urban areas.

Onsite Wastewater Treatment System Resources
www.epa.gov/owm/onsite

This web site contains the latest brochures and other resources from EPA for managing onsite wastewater treatment systems (OWTS) such as conventional septic systems and alternative decentralized systems. These resources provide basic information to help individual homeowners, as well as detailed, up-to-date technical guidance of interest to local and state health departments.

Low Impact Development Center
www.lowimpactdevelopment.org

This center provides information on protecting the environment and water resources through integrated site design techniques that are intended to replicate preexisting hydrologic site conditions.

Stormwater Manager's Resource Center (SMRC)
www.stormwatercenter.net

Created and maintained by the Center for Watershed Protection, this resource center is designed specifically for stormwater practitioners, local government officials, and others that need technical assistance on stormwater management issues.

Strategies: Community Responses to Runoff Pollution
www.nrdc.org/water/pollution/storm/stoinx.asp

The Natural Resources Defense Council developed this interactive web document to explore some of the most effective strategies that communities are using around the nation to control urban runoff pollution. The document is also available in print form and as an interactive CD-ROM.

For More Information

U.S. Environmental Protection Agency
Nonpoint Source Control Branch (4503T)
1200 Pennsylvania Avenue, NW
Washington, DC 20460

www.epa.gov/nps

February 2003

NPDES ANNUAL MEETING PRESENTATION:

VILLAGE OF SCHAUMBURG
OCTOBER 4, 2020

Prepared by Engineering Resource Associates, Inc.

In this presentation…

- Define key terms such as; NPDES, MS4, and MCM
- Discuss the need for a stormwater program and storm system permit
- Discuss concepts relative to stormwater runoff and water quality
- Emphasize the benefits of a well-developed Stormwater Management Plan
- Review the Village's current plan and proposed changes
- Respond to any comments or questions

Key Terms: What is NPDES?

- A Program created by USEPA to address water pollution by regulating sources known to discharge into waters of the United States.
- NPDES program defines rules that act to regulate sources of pollution in an effort to protect the Nation's natural waterways.
- Created in 1972 by the Clean Water Act, the USEPA authorized state governments to perform many administrative aspects of the NPDES program such as permitting and enforcement.
- NPDES rules were implemented in phases that targeted different point sources such as wastewater treatment plants and then non-point source contributors like communities such as the Village of Schaumburg.

NPDES: National Pollutant Discharge Elimination System

Key Terms: What is MS4?

MS4: Municipal Separate Storm Sewer System

Key Terms: What is MCM?

- A key element of a MS4 Stormwater management program made of 6 categories that, when combined, are expected to result in significant pollutant discharge reduction in local waterways.
- Each of the 6 categories include Best Management Practices which are made up of regulations, requirements, and activities to be enforced and undertaken by the Village.

MCM: Minimum Control Measure

Why does this matter?

- Precipitation falls on all areas throughout the Village (i.e. industrial and commercial areas, neighborhoods, roadways, parks, etc.)
- This precipitation leads to stormwater runoff.
- Stormwater runoff picks up and carries pollutants to our waterways.

Why does this matter?

- Non-point source pollution
  - Leading cause of water quality problems in the US according to USEPA[1].
  - Combination of small contributors adding up in a large way.
  - Cannot be solved by one individual, group effort is a must!

[1]U.S. Environmental Protection Agency. National Water Quality Inventory: Report to Congress, 2002 Reporting Cycle. Findings, Rivers and Streams, and Lakes, Ponds and Reservoirs. Available at http://www.epa.gov/305b/2002report/report2002pt3.pdf

How can we ensure compliance?

- State level regulator is the Illinois EPA (IEPA) and issues General NPDES Permit No. ILR40
- The Village must:
  - Apply for Coverage (approval) to utilize that permit;
  - Commit to prepare & follow a self-created Stormwater Management Plan;
  - Submit an Annual Facility Inspection Report that describes annual progress and adjustments in the plan.
  - The permit and annual reports are located here:

http://www.villageofschaumburg.com/depts/engg_pw/watersew/cntrl.htm

The Village must implement 6 MCMs

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

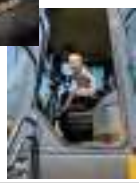
MCM #1: Public Education & Outreach

Current Activities:

- Provide handouts to residents:
  - EPA After the Storm
  - EPA Protecting Water Quality from Urban Runoff
  - Climate Change Handouts
  - Detention Basin Do's/Don'ts handout to residents
- Annual Touch-a-Truck/Public Works Open House
- Fish Grate standard enforcement, and
- Village Green Corner website

2018 Changes:

- Annual public meeting for MS4 feedback (today)
- Stormwater Pollution Prevention PSA and MWRD rain barrel video on Village website
- Stormwater Educational Program curriculum for local schools



MCM #2: Public Participation & Involvement

Current Activities:

- Village Environmental Committee
- Annual Village Environmental Fair
- Adopt-a-Highway, Adopt-a-Bikepath
- Annual Village Recycling Event
- Village Recycling Boxes

2018 Changes:

- Provide HOAs with educational materials and solicit feedback

MCM #3: Illicit Discharge Detection & Elimination

Current Activities:

- Update GIS Sewer Maps as necessary and install outfall number markers
- Enforce Village Code for illicit discharge violations
- Participate in the DuPage River Salt Creek Workgroup stream monitoring program
- Perform dry-weather outfall inspections

2018 changes:

- Provide phone number for illicit discharge reporting on Village website.
  - Call (847) 895-7100 to report
- Identify high risk outfalls and procedures for source tracing and spill response

MCM #4: Construction Site Stormwater Runoff Control

Current Activities

- Enforce various Village ordinances:
  - Village Floodplain, Subdivision Control, and Wetland Protection Ordinance
  - MWRD WMO requirements
- Permit Reviews
- Routine inspections
- Enforcement action
- Citizen complaint process

2018 Changes: None Identified/required



MCM #5: Post Construction Stormwater Management


Current Activities:

- Village Biodiversity Plan and Comprehensive Green Action Plan
- Enforcement of MWRD WMO requirements for Post Construction Best Management Practices

2018 Changes: None Identified/required

MCM #6: Pollution Prevention & Good Housekeeping

Current Activities:

- Training with Engineering & Public Works Good Housekeeping & Pollution Prevention powerpoint;
- MWRD creek inspection & maintenance program;
- Village Street Sweeping, annual catch basins cleaning and cleaning adjacent to construction projects;
- Hot Spot Patrol and Inlet Cleaning Program;
- Village Severe Weather Emergency Plan;
- Storm sewer repair and maintenance projects; and
- Partnership with Park District to maintain detention basins with Village inspections.

2018 Changes: Staff Attendance at pollution prevention for MS4 communities workshop


ENGINEERING RESOURCE ASSOCIATES

Questions?

- 2014 MS4 Annual Report Year 1
- 2015 MS4 Annual Report Year 2
- 2016 MS4 Annual Report Year 3
- 2017 MS4 Annual Report Year 1
- 2018 MS4 Annual Report Year 2
- 2019 MS4 Annual Report Year 3

The Village of Schaumburg Engineering and Public Works Utility Division's continue to meet and exceed the requirements set forth by the Illinois Environmental Protection Agency. Access to the Annual Inspection Report and Notice of Intent is available for view on this webpage to ensure full compliance with the National Pollutant Discharge Elimination System (NPDES).

To report an illicit discharge, please contact 847-895-7100.

For more information, visit the NPDES Website

Watch these videos to learn some simple ways you can help prevent and control water pollution.

Watch these videos to learn some simple ways you can help prevent and control water pollution.

2019 Village of Schaumburg Educational Event
StormWater Management for Home Owners Associations
April 17th 2019 7pm
Prairie Center for the Arts Lecture Hall

Name	Organization	Email(optional)
John Pavlis	Village of Schaumburg	Jpavlis@schaumburg.com
Tony Pietramale	CHERRY HILL HOA	APIETRA@SBCGLOBAL.NET
LUCIANO MORONI	CHERRY HILL HOA	SM11741@AOL.COM
Roy Porter	SHEFFIELD TOWNS ASSOC	PROPERTYMANAGER@SHEFFIELDTOWNS.COM
Alyssa Robinson	Olson Ecological Solutions	alyssa@olsonecosolutions.com
Brian Wagner	Schaumburg	

Engineering and Public Works
Monthly Report- May 2019

VILLAGE OF SCHAUMBURG

KEY ACTIVITIES

The department held its annual Open House, where each division had the opportunity to meet residents, answer questions, and demonstrate the work that each division does for the community. This fifth EPW Open House event was a success despite the weather.

2015 – 350 Attendees
2016 – 446 Attendees
2017 – 373 Attendees
2018 – 538 Attendees
2019 – 459 Attendees

Engineering & Public Works Open House

Saturday, May 11th
10:00am-2:00pm
Engineering & Public Works
714 S. Plum Grove Road

Behind-the-scenes look at what skills, tools and equipment are required to maintain the village's infrastructure. The event will include touch-a-truck, equipment displays, informational booths, demonstrations, free giveaways, snacks and more.

- **"Load the Loader"**
  - Partnering with the Schaumburg Township, we ask those attending the open house to donate nonperishable items.
- **"What Public Works Means to You" Contest**
  - Open to Schaumburg residents, kindergarten through eighth grade.
  - Draw a picture of "What Public Works Means to You"
    - Submit on an 8.5 x 11 sheet of paper.
    - Include the student's name, number, email, age, and school on the back of the submission.
    - No fee to enter.
  - Drawings will be accepted through 5 p.m. on Friday, April 26th.
    - Via mail or drop off at 714 S. Plum Grove Road, Schaumburg, IL, 60193 (EPW Relations Committee)
    - One submission per child.
  - Entries are reviewed and awarded by three separate grade groups:
    (K - 2nd Grade, 3rd - 5th Grade, and 6th Grade)
    - Winners will be notified by Friday, May 3rd.
    - The best drawing will be used to promote the village's upcoming Engineering & Public Works Open House.
    - Winners will also receive a personalized street sign which can be accepted at the open house, a Village Board Meeting, or our front desk.

For more information, call Laurie Walter, 847-923-6612 or LWalter@schaumburg.com

Appendix B
BMP Section B

The meeting was called to order at 7:06 p.m. by Chairperson Panico Atkins.

Members Present: Donna Panico Atkins – Chairperson, Robert Honcoop, Donna Johnson, Christine Krause and Jeffry Huebner

Member(s) Absent: Pratik Patel, Andrea Vollf

Staff Present: Martin Metreger - Logistics Coordinator

Others:

APPROVAL OF MINUTES – January 10, 2019

Mr. Jeffry Huebner made a motion to approve the minutes of the February 7, 2019 meeting as presented, seconded by Mr. Robert Honcoop.

All Ayes. **MOTION CARRIED**

ANNOUNCEMENTS

NEW BUSINESS

1. Spring Recycling Event – Staff Update

Mr. Martin Metreger presented an "unofficial" flyer and stated that there will be new logos on the flyer, which will be available on the website. Mr. Metreger stated that the event will have new hours, 9-2:00 p.m., so committee members should arrive by 8:00 a.m. at Boomer Stadium. Mr. Metreger added that the layout will be the same as last year, with cars on each side and carts, tables and supplies available to tape everything up. Mr. Metreger stated that someone will be assigned from Village of Schaumburg to work with the crew. Mr. Metreger reported that there is one new item added to the event this year, electronics will take metal such as washers/dryers, brake rotors, etc. Mr. Robert Honcoop inquired if they were taking metal because it was more financially profitable and Mr. Metreger confirmed metal has a higher value to it. Mr. Metreger added that they prefer items that do not have a lot of plastic.

Ms. Donna Johnson asked if they will help unload at the event their washers and dryers and Mr. Metreger stated they would be staffing that part of the event. Mr. Honcoop stated that we can also leave a washer and dryer on the curb. Mr. Metreger stated that you can call Republic Services to have them pick it up from the curb for a $35 charge. Mr. Metreger added that often scrappers will pick these items up from your curb first and they recycle them as well.

Mr. Metreger stated that a week prior to the Spring Recycling Event Schaumburg will have the document shredding event which will be from 9-12:00 p.m. Mr. Metreger added that the document shredding event also gets crowded so it's better to come later.

The meeting was called to order at 7:08 p.m. by Ms. Martha Dooley.

Members Present: Robert Honcoop, Donna Johnson, Christine Krause, Pratik Patel and Jeffry Huebner

Member(s) Absent: Donna Panico Atkins – Chairperson and Andrea Vollf

Staff Present: Martha Dooley – Landscape & Sustainability Planner
Martin Metreger – Logistics Coordinator

Others:

APPROVAL OF MINUTES – March 7, 2019

Mr. Jeffry Huebner made a motion to approve the minutes of the March 7, 2019 meeting as presented, seconded by Mr. Pratik Patel.

All Ayes. **MOTION CARRIED**

ANNOUNCEMENTS

Ms. Martha Dooley stated that with Chairperson Donna Panico Atkins absent, the Committee should recommend someone to serve as Acting Chairperson of the Committee tonight.

Mr. Honcoop nominated Ms. Krause as the Acting Chairperson.

All Ayes. **MOTION CARRIED**

UNFINISHED BUSINESS

1. Spring Recycling Event – Staff Update

Ms. Krause stated the first order of business is the Spring Recycling Event. Mr. Metreger handed out sign-in sheets for the members along with waivers. Mr. Patel stated he will be working a full day. Mr. Metreger stated that members should notate on the sign-in sheet if they cannot work the full day.

Mr. Metreger stated the event will work the same as last year, other than the entrance near #6 on the map will be where traffic is split to form 2 lines. The Drop Zone is the first zone, where volunteers and staff will be working the most, and then the Document Shredding, followed by Electronics which is last. Mr. Metreger stated there will be two sides where participants will be dropping off items as in the past. Mr. Metreger added that this event is on Easter weekend and there will be an Easter egg hunt at the ballpark as well. Mr. Metreger stated that he had signs made that will be posted at the event indicating "***Recycling Event-right lane***", "***Metra and Easter Egg Hunt-left lane***" to avoid people going into the incorrect line. Mr. Honcoop

The meeting was called to order at 7:06 p.m. by Chairperson Panico-Atkins.

Members Present: Donna Panico Atkins – Chairperson, Robert Honcoop, Donna Johnson, Pratik Patel and Jeffry Huebner

Member(s) Absent: Andrea Vollf and Christine Krause

Staff Present: Martha Dooley – Landscape & Sustainability Planner

Others:

APPROVAL OF MINUTES – April 4, 2019

Ms. Donna Johnson made a motion to approve the minutes of the April 4, 2019 meeting as presented, seconded by Mr. Pratik Patel.

All Ayes. **MOTION CARRIED**

ANNOUNCEMENTS

UNFINISHED BUSINESS

1. Recommendation to Approve the 2019 Work Plan

Chairperson Panico Atkins stated the first order of business is the Recommendation to Approve the 2019 Work Plan. Ms. Panico Atkins asked for those in favor to approve the 2019 Work Plan as discussed.

Mr. Robert Honcoop made a motion to approve the 2019 Work Plan as presented, seconded by Ms. Donna Johnson.

All Ayes. **MOTION CARRIED**

Ms. Dooley added that there are dates on the 2019 Work Plan for the Recycling Event next year, so everyone should put them on their calendar.

2. Recommendation to Select the 2018 Al Larson Award Nominees

Ms. Panico Atkins announced the next agenda item, the Recommendation to Select the 2018 Al Larson Award Nominees. Ms. Dooley stated that the nominee in the non-residential category is Fairfield Inn and Suites and Townplace Suites at 700 and 750 National Parkway. Ms. Dooley stated this is two hotels that are joined in the center by meeting space and pool area. Ms. Dooley commented that the owner of the hotel, Pratik Trivedi, undertook the installation of a solar program approximately two years ago before the current permit process was in place. Ms. Dooley stated that she went to visit this rooftop solar system and while she was there she noticed

The meeting was called to order at 7:03 p.m. by Chairperson Panico-Atkins.

Members Present:	Donna Panico Atkins – Chairperson, Robert Honcoop, Donna Johnson, Andrea Vollf (via telephone) and Christine Krause	
Member(s) Absent:	Jeffry Huebner and Pratik Patel	
Staff Present:	Martha Dooley – Landscape & Sustainability Planner Martin Metreger – Logistics Coordinator	
Others:	Residents:	Cichowsla Lukos Serhiy Powakyk Lyubor Tleeh

Ms. Panico Atkins addressed the guests and asked if they had a specific question or concern for the Committee. Mr. Lukos came forward and stated he lives at 121 Long Avenue and would like to know what changes are going on in the Village of Schaumburg. Mr. Lukos commented he heard there are development projects taking place in his backyard near Roselle and Rodenburg. Ms. Dooley explained that the Environmental Committee focuses on environmental issues at their meetings, and typically does not discuss development projects. Ms. Dooley stated the Village has reviewed some conceptual layouts for the property in question but no formal plan submittals have been provided to the Village. Ms. Dooley added that the Committee is not prepared to answer his questions and suggested he call the Community Development Department during the day to talk with a Planner who will be able to answer the questions. Ms. Dooley provided Mr. Lukos with the phone number. Ms. Dooley confirmed with Mr. Metreger that the property in question is located in unincorporated Schaumburg.

Mr. Powakyk asked for confirmation that at this Environmental Committee meeting there would not be any discussions related to the Long Avenue development projects; Ms. Dooley confirmed that the project has not reached a level where it would be discussed at any Village of Schaumburg meetings. Ms. Dooley stated that if and when plans for development are submitted to the Village, the project would first be reviewed by staff, after which pubic notification would be completed to properties adjacent to any proposed development, if required. Ms. Tleeh asked if she would have any input into whether it takes place or not, due to this being in their backyard. Ms. Dooley stated if the project has any variations or special uses, it would be reviewed by the Zoning Board of Appeals at a public hearing where anyone can attend and provide their input about the project. Ms. Dooley added that plans would be on file for interested parties to review. The project would then proceed through the entitlement process. Ms. Dooley advised the residents to watch the Village website for the Zoning Board of Appeals meeting agendas as well as Village Board.

Mr. Lukos asked Ms. Dooley if she knows anything about the project; Ms. Dooley responded that she was not certain if the property has been sold, but at the staff level there have been several conceptual plans reviewed for the subject property. Mr. Lukos added he has lived there for three years and it is a flood area. The residents thanked Ms. Dooley and left the meeting.

The meeting was called to order at 7:03 p.m. by Chairperson Panico-Atkins.

Members Present: Donna Panico Atkins – Chairperson, Donna Johnson, Andrea Vollf and Christine Krause

Member(s) Absent: Pratik Patel

Staff Present: Martha Dooley – Landscape & Sustainability Planner

Others:

APPROVAL OF MINUTES – June 6, 2019

Ms. Panico Atkins stated that the minutes of June 6, 2019 might need a correction. On page three, where it states "Ms. Panico Atkins suggested the topic of solar energy..." she does not believe she brought up that topic. Ms. Donna Midlowski will review the voice minutes again and make a revision if need be.

Ms. Panico Atkins asked for a motion to approve the minutes of the June 6, 2019 meeting, with the possible revision mentioned. Ms. Donna Johnson made a motion to approve the June 6, 2019 minutes, seconded by Ms. Andrea Vollf.

All Ayes. **MOTION CARRIED**

ANNOUNCEMENTS

Ms. Panico Atkins announced that Jeffry Huebner has resigned due to health concerns; therefore, a quorum of three Environmental Committee members must be present in order to vote.

Ms. Andrea Vollf announced that tonight will be her last meeting; she is resigning due to several other outside commitments. Ms. Panico Atkins stated our quorum will still remain at three.

UNFINISHED BUSINESS

CONTINUING ITEMS

1. Septemberfest Booth - Discussion

Ms. Panico Atkins asked Ms. Andrea Vollf if she will be able to help with the Septemberfest Booth. Ms. Vollf stated she cannot because she will be working. Ms. Panico Atkins stated the Septemberfest Booth will be from 9:00-4:00p.m. with members working a couple of hours each. Ms. Panico Atkins added that she has family coming into town and would prefer to work the 11:00-1:00p.m. shift. Ms. Panico Atkins then handed out the sign-up sheet and stated she will contact Mr. Patel to determine if he can work a shift.

The meeting was called to order at 7:03 p.m. by Chairperson Panico-Atkins.

Members Present: Donna Panico Atkins – Chairperson, Donna Johnson, and Christine Krause

Member(s) Absent: Pratik Patel

Staff Present: Martha Dooley – Landscape & Sustainability Planner
Martin Metreger - Logistics Coordinator

Others:

APPROVAL OF MINUTES – July 11, 2019

Ms. Donna Johnson made a motion to approve the July 11, 2019 minutes, seconded by Ms. Christine Krause.

All Ayes. **MOTION CARRIED**

NEW BUSINESS

1. Curbside Recycling Program

Mr. Metreger stated the Village of Schaumburg was approached by a company, Simple Recycling, Inc., which offers a curbside collection service for textiles. Mr. Metreger added that collected textiles do not necessarily have to be in useable condition. Mr. Metreger stated that the purpose of the Curbside Textile Recycling Program is to keep the textiles out of the garbage stream, or at least delay it. Mr. Metreger stated by offering this service curbside, it makes it easy for residents to take advantage of the program, and the village would capture a section of recycling that hasn't been captured before. Mr. Metreger explained that this means a resident can still take their clothes and textiles to AMVETS, Good Will, etc. for reuse but this would provide an additional option for them. Mr. Metreger stated the list of acceptable items includes clothing, boots, shoes, bedding, belts, ties, books, coats, jackets, etc. which will keep a lot of items out of the landfill. Mr. Metreger stated there are quite a bit of textiles that typically end up in the landfill; in 2015 alone 10,530 tons of textiles were disposed in landfills. Mr. Metreger referred to a chart in the staff memo outlining that a minimal amount of textiles were recycled or combusted with energy recovery, which is a process where they burn items to create energy.

Mr. Metreger stated the village will send out a packet containing an information card, program instructions and two bags to get residents started with the program. The resident will put their items in the bag(s) and place the bag(s) on the curb near their garbage tote on the same day as their garbage pickup Mr. Metreger added that Simple Recycling provides one van that will drive around for the textile pickup, following the same route and day as the garbage trucks. Mr. Metreger stated that since the bags for the Curbside Recycling Program are bright orange it makes it easy for the truck drivers to see them, even from farther away. Mr. Metreger

The meeting was called to order at 7:05 p.m. by Chairperson Panico-Atkins.

Members Present: Donna Panico Atkins – Chairperson, Donna Johnson, and Christine Krause

Member(s) Absent: Pratik Patel

Staff Present: Martin Metreger - Logistics Coordinator

Others:

APPROVAL OF MINUTES – August 1, 2019

Ms. Donna Johnson made a motion to approve the August 1, 2019 minutes, seconded by Ms. Christine Krause.

All Ayes. **MOTION CARRIED**

NEW BUSINESS

UNFINISHED BUSINESS

1. **Septemberfest – Discussion of the event booth**

Ms. Panico Atkins stated that at Septemberfest there was a lot of interest in the Monarch's; people were taking containers and other items for their yard. Ms. Johnson stated that Carol Johnson came at the end and showed people the critter cages. Ms. Panico Atkins asked if there were enough butterflies to release and Ms. Johnson confirmed there were approximately 50, including some swallowtails were released. Ms. Johnson added that seed packets were only handed out to those who were serious about planting the seed which left extra seed packets at the end of the day..

Ms. Krause stated the flyers for the Recycling Event were handed out as well. Ms. Johnson stated that the weather was perfect. Ms. Krause commented that it was nicer this year with no students crowded in the booth. Ms. Johnson reported that Ned from Spring Valley came and tagged the butterfly wings as they were being released. Ms. Panico Atkins stated Ned reported that there was one butterfly that had been tagged showed up in Mexico, which was interesting because not all of them make that migration.

2. **Curbside Recycling Program – Status Update by Staff**

Mr. Metreger stated that the Curbside Textile Recycling Program went to the Health and Human Services Committee (HHS) meeting, and due to the support of the Environmental Committee it was approved without any issues. The Curbside Textile Recycling Program will be added to the Consent Agenda of the 9/10/19 Village Board Meeting. Mr. Metreger added that at the Village

The meeting was called to order at 7:03 p.m. by Chairperson Panico-Atkins.

Members Present: Donna Panico Atkins – Chairperson, Donna Johnson, Christine Krause and Pratik Patel

Member(s) Absent: N/A

Staff Present: Martha Dooley – Landscape & Sustainability Planner
Martin Metreger - Logistics Coordinator

Others:

APPROVAL OF MINUTES – September 5, 2019

Ms. Christine Krause made a motion to approve the September 5, 2019 minutes, seconded by Ms. Donna Johnson.

All Ayes. **MOTION CARRIED**

NEW BUSINESS

1. Community Solar Clearinghouse Solutions Program

Ms. Dooley stated this program was created by the Metropolitan Mayors Caucus. They partnered with the Illinois Power Bureau to find a way to secure subscriptions to the community solar projects that are being built in Illinois through the Future Energy Jobs Act. Ms. Dooley stated a lottery system was used to choose solar developers for the community solar projects. The lottery is complete, the solar developers have been chosen, and construction of these community solar projects is underway. Ms. Dooley stated that this program will build a pool of municipalities within the metropolitan region so they will have more purchasing power, in hopes of obtaining better pricing to purchase energy from a community solar project. Ms. Dooley added that the village would then purchase a portion of the energy used by municipal facilities from solar resources.

Ms. Dooley stated that this program is asking for communities to sign up to participate in the request for proposals process. Participation in the bidding process does not obligate the village to enter into any contract to purchase community solar. Once the bidding process is complete, the village will be presented with a written agreement and price offer. The village may choose to accept or reject the written agreement and price offer.

Ms. Dooley stated that in no way does this obligate the Village of Schaumburg to move forward with the program at this time; it just provides an opportunity to participate in the bidding process to obtain a price, in order to determine if Schaumburg wants to participate. Ms. Dooley added that typically this would be brought to the Environmental Committee prior to it going before the Health and Human Services Committee (HHS); however, due to the timeline and turnaround

The meeting was called to order at 7:01 p.m. by Chairperson Panico-Atkins.

Members Present: Donna Panico Atkins – Chairperson, Donna Johnson, Christine Krause

Member(s) Absent: Pratik Patel

Staff Present: Martha Dooley – Landscape & Sustainability Planner
Martin Metreger - Logistics Coordinator

Others: Bob Wachsmuth

APPROVAL OF MINUTES – October 3, 2019

Ms. Donna Johnson stated that the October 3, 2019 minutes needed one correction. At the very end of the discussion regarding Fall Recycling, she inadvertently stated the name Kim Peterson; it should be Kim White.

Ms. Christine Krause made a motion to approve the October 3, 2019 minutes, seconded by Ms. Donna Johnson.

All Ayes. **MOTION CARRIED**

ANNOUNCEMENTS

Ms. Panico Atkins introduced Bob Wachsmuth, who is interested in joining the Environmental Committee and will be sitting in on tonight's meeting. Mr. Wachsmuth stated he works as an Environmental Coordinator for Honeywell in Des Plaines for the past 20 years. Mr. Wachsmuth stated he has just recently moved to Schaumburg from Hanover Park, where he was the Chairperson on the Environmental Committee for eight years. Mr. Wachsmuth added that he also was the Coordinator of the Recycling Event there for ten years.

NEW BUSINESS

1. 2019 Landscape Award Program

Ms. Dooley stated that the Annual Landscape Award Program began in 2005 and this is now the thirteenth year of the program. Ms. Dooley stated these awards have been distributed almost every year; the Village of Schaumburg has a Landscape Inspector who provides a list of nominees for the program. Ms. Dooley stated that there are three categories for which the awards are given; "Most Improved", "Best Maintained" and "Best Natural Landscaping".

Ms. Dooley projected photographs of each nominated property on the screen in the conference room and referred to the photographs during the presentation of the nominees. Ms. Dooley introduced the first nominee in the "Most Improved-Commercial (Office/Hotel/Restaurant)" category, ***Schaumburg Corporate Center***. Ms. Dooley stated they have an updated courtyard planting on the west side of the building which includes trees, flowering shrubs, ornamental

The meeting was called to order at 7:00 p.m. by Chairperson Panico-Atkins.

Members Present: Donna Panico Atkins – Chairperson, Donna Johnson, Christine Krause, Pratik Patel

Member(s) Absent: None

Staff Present: Martha Dooley – Landscape & Sustainability Planner

Others: Bob Wachsmuth

APPROVAL OF MINUTES – November 7, 2019

Ms. Donna Johnson made a motion to approve the November 7, 2019 minutes, seconded by Ms. Christine Krause.

All Ayes. **MOTION CARRIED**

ANNOUNCEMENTS

Ms. Panico Atkins announced that Bob Wachsmuth has submitted a letter to Mayor Dailly expressing his interest to join the Environmental Committee.

NEW BUSINESS

1. Discussion of January meeting

Ms. Panico Atkins stated a motion was needed to cancel the January 2, 2020 meeting. Ms. Johnson made a motion to cancel the January 2, 2020 Environmental Committee meeting, seconded by Mr. Patel.

All Ayes. **MOTION CARRIED**

UNFINISHED BUSINESS

1. Environmental Fair – Verbal Update by Committee

Ms. Dooley asked Ms. Johnson to update the Environmental Committee on what she has been working on. Ms. Johnson stated that Jeff Reader, the honey bee exhibitor, has confirmed he will be at the Environmental Fair. Mr. Klima, the mason bee exhibitor, will present at the Environmental Fair; however, in the event that it conflicts with his son's graduation, Dave Brooks at Spring Valley Nature Center will get Mr. Klima's mason bee literature/kits and present this himself. Ms. Johnson stated that we will also have the monarch butterfly ladies there to present on that topic. Ms. Johnson stated that the Environmental Committee needs to discuss whether we want people to freely roam from one area to another, or have presentations in the

The meeting was called to order at 7:03 p.m. by Chairperson Panico-Atkins.

Members Present: Donna Panico Atkins – Chairperson, Christine Krause, Pratik Patel

Member(s) Absent: Donna Johnson

Staff Present: Martha Dooley – Landscape & Sustainability Planner

Others: Bob Wachsmuth
Elizabeth Wimmer

APPROVAL OF MINUTES – December 5, 2019

Ms. Christine Krause made a motion to approve the December 5, 2019 minutes, seconded by Mr. Pratik Patel.

All Ayes. **MOTION CARRIED**

ANNOUNCEMENTS

Ms. Panico Atkins announced that Mr. Bob Wachsmuth is in attendance tonight as well as Ms. Elizabeth Wimmer. Ms. Wimmer stated that she has been a resident of Schaumburg for over a year and works for the Illinois Green Alliance. Ms. Wimmer stated she has worked on many initiatives as well as green school activities, and is looking to see how she can get engaged in local initiatives.

Ms. Dooley announced she will not be in attendance for the March and April, 2020 meetings due to prior engagements. Ms. Dooley stated that for May, 2020 the Environmental Committee may be considering information about the overuse of plastic straws, their environmental impact and what other alternatives there are. Ms. Dooley will be conducting research on this topic over the next two months. Ms. Dooley added that in conjunction with the topic of plastic straws, she will be researching the possibility of having restaurants serve water only if a customer requests it.

Ms. Panico Atkins commented that she has mixed thoughts on the topic of the plastic straws. Ms. Krause stated that some restaurants have them but you have to request them.

NEW BUSINESS

1. Reaffirmation of Rules of Procedure

Ms. Panico Atkins stated each year we need to review the Rules of Procedure and have a formal vote on them. Ms. Dooley stated there are no changes proposed in the Rules of Procedure this year; staff is recommending that the Environmental Committee approve the Rules of Procedure which will then be signed by the Environmental Committee Chairperson, the Director of Community Development and the Recording Secretary.

ENVIRONMENTAL FAIR

Saturday, May 12
12:00pm - 3:00pm
Add to Calendar

Central Library

All ages can experience fun demos, workshops and programs about protecting our environment. See how rain affects pollutants with the interactive Watershed Model, create power with the Energy Bike, build a birdhouse or meet the Tomato Lady. This event will also include special collections for recyclables, so bring in your unwanted keys, cell phones and eyeglasses to the fair. The collections will take place only for the day of the Environmental Fair.

Co-sponsored by the Library and the Village of Schaumburg's Environmental Committee.

Complete your Environmental Fair experience with these hands-on programs:

- Help Conserve the Monarch
- Build a Monarch-Rearing Cage
- Microburst or Thunderstorm
- Build a Birdhouse

TAGS: | *Special Event* | *Education & Learning* |

VILLAGE OF SCHAUMBURG

ENGINEERING & PUBLIC WORKS DEPARTMENT / 714 S. PLUM GROVE ROAD / SCHAUMBURG, IL 60193-4329
847.895.7100 / FAX 847.895.6086 / WWW.VILLAGEOFSCHAUMBURG.COM

March 18, 2019

TRAVIS INC
920 STATE PKY
SCHAUMBURG, IL, 60194

Phone: 847-843-1313

Subject: April 17, 2019 Educational Event for the Management of Stormwater Facilities

To Whom It May Concern;

The Village of Schaumburg is pleased to extend an invitation to you, or a representative of your Home Owners Association or property management group, to attend to attend an educational event for the management of stormwater facilities on properties you maintain.

The event will be held on April 17, 2019 at 7:00 PM at:
The Prairie Center for the Arts Lecture Hall
201 Schaumburg Court
Schaumburg, IL 60193

As part of their National Pollutant Discharge Elimination System (NPDES) permit program the Village of Schaumburg is required to provide public outreach to residents and other stakeholders (such as property management groups) to educate them on ways that every-day practices impact local water quality. Post Construction Best Management Practices (PCBMPs) such as detention basins, swales, rain gardens are constructed to improve water quality over long periods of time. These measures are usually implemented by site developers and are managed long term by Home Owners Associations or property management groups. We will be discussing how to properly inspect, maintain and retrofitting these systems.

If you have any questions regarding the event or topics of discussion, please contact Erin Pande at epande@eraconsultants.com or John Pavlis at jpavlis@villageofschaumburg.com.

Respectfully,

Erin Pande, PWS, CFM
Ecological Services Director

CONTACT	MAIL NAME	MAIL ADDR1	MAIL ADDR 2	MAIL CITY	MAIL STATE	MAIL ZIP	BUS PHONE	FAX	EMAIL
AMERICAN PROPERTY MANAGEMENT	TOWN HOMES OF COLLEGE HILL CONDO ASSOC	1251 N PLUM GROVE RD STE 140		SCHAUMBURG	IL	60173	847-397-3131	847-985-5308	SONJA@APMOFIL.COM
VILLA MANAGEMENT	600 EAST CONDOMINIUM ASSOCIATION	7370 N LINCOLN	UNIT A	LINCOLNWOOD	IL	60712	847-367-4808	847.362.0828	VILLA@VILLAMGT.COM
LIEBERMAN MANAGEMENT SERVICES	HEATHERWOOD WEST CONDO ASSOCIATION	25 NORTHWEST POINT BLVD STE 330		ELK GROVE VILLAGE	IL	60007	847-459-0000	847-459-3003	KKOELER@LMGNET.COM
AMERICAN PROPERTY MANAGEMENT	WEATHERSFIELD LAKE ASSOC	1251 N PLUM GROVE RD.		SCHAUMBURG	IL	60173	847-985-6464	847-985-5038	MAIL@APMOFIL.COM
LIEBERMAN MANAGEMENT SERVICES	WEATHERSFIELD SOUTH ASSOCIATION	25 NORTHWEST POINT BLVD	SUITE 330	ELK GROVE VILLAGE	IL	60007	847-517-4400		WEASOUTH@CiraMail.com
ACM COMMUNITY MANAGEMENT	ACM COMMUNITY MANAGEMENT	3041 WOODCREEK DRIVE - SUITE 100		DOWNERS GROVE	IL	60515	630-963-5189		KAITLYNN@ACMWEB.COM
ROWELL, INC.	NANTUCKET COVE CONDO ASSOCIATION	P O BOX 702348		DALLAS	TX	75370-2348	847-991-6000	847-991-6122	KARA@ROWELLMANAGEMENT.COM
JOANNE MAMO	LAKEWOOD CONDO	700 WATERFORD RD		SCHAUMBURG	IL	60193	847-895-3153	847-895-4488	MARY.CARPENTER@ASSOCIA.US
KARA CERMAK @ MGD PROPERTY	HIDDEN POND CONDO ASSOC	2600 PIRATES COVE		SCHAUMBURG	IL	60173	847-891-9794	847-991-6122	
PEDRO CUERVA/CLEARVIEW MANAGEM	12 OAKS AT SCHAUMBURG CONDO ASSOCIATION	120 KRISTIN CIR		SCHAUMBURG	IL	60195	847-885-8030	847-885-0301	pedro.c@clearviewmanaged.com
AMERICAN PROPERTY MANAGEMENT	AMERICAN PROPERTY MANAGEMENT	1251 N PLUM GROVE RD STE 140		SCHAUMBURG	IL	60173	847-985-6464	847-985-5038	SEAN@APMOFIL.COM
AMERICAN PROPERTY MANAGEMENT	APM	1251 N PLUM GROVE RD UNIT 140		SCHAUMBURG	IL	60173	847-985-6464	847-985-5038	SEAN@APMOFIL.COM
ABC PROPERTY MANAGEMENT	TOWN SQUARE CONDOMINIUMS	1732 W WISE RD		SCHAUMBURG	IL	60193	847-985-8461	847-985-5894	PMGRS@AOL.COM
MCGILL MANAGEMENT/AMANDA LOGAN	COUNTRY LANE PARK CONDOMINIUM ASSN	1460 FAIRLANE DR		SCHAUMBURG	IL	60193	847-985-9040	847-985-4242	amanda.logan@countrylanepark.com
ABC PROPERTY MANAGEMENT	LAKESIDE AT WALDEN CONDOS	1732 W WISE RD		SCHAUMBURG	IL	60193	847-985-4044	847-985-5894	PAMPMGRS@AOL.COM
AMERICAN PROPERTY MANAGEMENT	WALDEN CONDO	1251 N PLUM GROVE RD UNIT 140		SCHAUMBURG	IL	60193	847/806-6121 X 143	847-985-5038	MAIL@APMOFIL.COM
PROPERTY SPECIALISTS INC	HAWTHORNE ESTATES CONDO ASSOCIATION	5999 S NEW WILKE RD UNIT 108		ROLLING MEADOWS	IL	60008	847-806-6121	847-806-6154	JPAYNE@PSIMANAGEMENT.NET
VISTA PROPERTY MANAGEMENT INC.	PICKWICK PLACE/VISTA PROPERTY MGMT	138 W HOME AVE		VILLA PARK	IL	60181	630-530-1122	630-530-7714	karen@vistapm.com
ACM COMMUNITY MANAGEMENT	DUNBAR LAKES COMMUNITY ASSOCIATION	PO BOX 97738		LAS VEGAS	NV	89193	630-620-1133	630-963-5189	
SCHAUMBURG TERRACE CONDO ASSOC	SCHAUMBURG TERRACE CONDO ASSOCIATION	2370 JOHN SMITH DR		SCHAUMBURG	IL	60194	847-843-2151	847-884-3997	CLUBHOUSE6@COMCAST.NET
SHEFFIELD TOWNE ASSOCIATION	SHEFFIELD TOWN ASSOCIATION	1000 N WALNUT LN		SCHAUMBURG	IL	60194	847-885-3444	847-885-7561	PROPERTYMANAGER@SHEFFIELDTOWNE.COM
SHEFFIELD TOWNE ASSOCIATION	SHEFFIELD TOWN ASSOCIATION	1000 N WALNUT LN		SCHAUMBURG	IL	60194	847-885-3444	847-885-7561	PROPERTYMANAGER@SHEFFIELDTOWNE.COM
LIEBERMANN MANAGEMENT	TOWNE PLACE EAST CONDO ASSOCIATION	25 NORTHWEST POINT BLVD	UNIT 330	ELK GROVE VILLAGE	IL	60007	847-459-0000		
SHARON BRAUER	WEATHERSFIELD COMMONS QUADRO ASSOCIATION	108 CARVER LN		SCHAUMBURG	IL	60193	847-895-4084	847-895-3115	OFFICE@WCQHA.COM
ALMA PROPERTY MANAGEMENT	LIONS GATE ASSOCIATION	890 E HIGGINS RD UNIT 154		SCHAUMBURG	IL	60173	847-517-4400 EXT 326	847-517-4402	ada@almapropertymanagement.com
ASSOCIA CHICAGOLAND	RED ROCK CONDOMINIUM ASSOCIATION	50 E COMMERCE DR SUITE 110		SCHAUMBURG	IL	60173	847-490-3833		DARLA.NAJARRIAN@ASSOCIA.US
CIONE PROPERTY MANAGEMENT CO	CLOISTERS TOWN HOME ASSOCIATION INC	768 SOUTHCROSS DR WEST		BURNSVILLE	MN	55306	847-439-6202	847-439-6295	MAIL@CIONEPMC.COM
ROWELL PROPERTY MANAGEMENT	WEATHERSFIELD CONDO ASSOC	P O BOX 702348		DALLAS	TX	75370	847-991-6000		
ASSOCIA CHICAGOLAND	XXI KRISTIN CONDOMINIUM ASSOCIATION	21 KRISTIN DR		SCHAUMBURG	IL	60195	847-884-1500	847-490-9807	CMDAN@VANGUARDCOMMUNITY.COM
LIEBERMAN MANAGEMENT SERVICES	WYNDHAM COVE TOWNHOMES OWNERS ASSOC.	PO BOX 36525		CHARLOTTE	NC	28236	847-459-0000	847-459-3003	
McGILL MANAGEMENT	MCGILL MANAGEMENT	1314 N RAND RD		ARLINGTON HEIGHTS	IL	60004	847-259-1331	847-259-6862	HRPETA@MCGILLMANAGEMENT.COM
AMERICAN PROPERTY MANAGEMENT	AUTUMN RIDGE TOWNHOME ASSOCIATION	1251 N PLUM GROVE RD UNIT 140		SCHAUMBURG	IL	60173	847-985-6464	847-985-5038	MAIL@APMOFIL.COM
AMERICAN PROPERTY MANAGEMENT	BRIGHT RIDGE ASSOCIATION	1251 N PLUM GROVE RD STE 140		SCHAUMBURG	IL	60173	847-985-6464	847.985.5038	CAROLYN@APMOFIL.COM
AMERICAN PROPERTY MANAGEMENT	CARLISLE COVE HOMEOWNERS ASSOCIATION	1251 PLUM GROVE	UNIT 140	SCHAUMBURG	IL	60193	847-985-6464	847-985-5038	MAIL@APMOFIL.COM
AMERICAN PROPERTY MANAGEMENT	PIETRAMALE, ANTHONY M	509 CHERRY HILL CT		SCHAUMBURG	IL	60193	847-985-6464	847-985-5038	ROCKI@APMOFIL.COM
ALMA PROPERTY MANAGEMENT	ESSEX CLUB LLC	P O BOX 702348		DALLAS	TX	75370	847-517-4400	847-517-4402	
MCGILL MANAGEMENT	MCGILL MANAGEMENT	1314 N RAND RD		ARLINGTON HEIGHTS	IL	60004	847-577-5600	847-259-1331	
WILLIAMSON MANAGEMENT, INC.	THE GLENS OF SCHAUMBURG	215 WILLIAM ST		BENSENVILLE	IL	60106	630-787-0305	630-787-0336	ARUNNION@WILLIAMSONMANAGEMENT.COM
AMERICAN PROPERTY MANAGEMENT	HAVERFORD COLONY CONDO ASSOCIATION	1251 N PLUM GROVE STE 140		SCHAUMBURG	IL	60173	847-985-6464	847-985-5038	
ALMA PROPERTY MANAGEMENT	KINGSPORT ESTATES CONDO ASSOC	P O BOX 402348		DALLAS	TX	75370-3555	847-517-4400 X317	847-517-4402	
LEXINGTON FIELDS ESTATES ASSOC	LEXINGTON FIELDS ESTATES ASSOCIATION	417 LEXINGTON CT		SCHAUMBURG	IL	60173			
LIEBERMAN MANAGEMENT	LEXINGTON GREEN CONDO ASSOCIATION	1517 SEVEN PINES RD C1		SCHAUMBURG	IL	60193	847-459-0000	847-459-0000	MMORSE@LMSNET.COM
DAVE DEFABIO/MGD PROPERTY SPEC	LEXINGTON GREEN II	1276 WILLIAMSBURG DR		SCHAUMBURG	IL	60193-5241	847-891-9794	847-891-9874	
McGILL MANAGEMENT INC	LEXINGTON LANE ASSOCIATION	1314 N RAND RD		ARLINGTON HEIGHTS	IL	60004	847-259-1331		HREPETA@MCGILLMANAGEMENT.COM
AMERICAN PROPERTY MANAGEMENT	LEXINGTON VILLAGE ASSOCIATION	1251 N PLUM GROVE RD - SUITE 140		SCHAUMBURG	IL	60193	847-985-6464	847-985-6464	MAIL@APMOFIL.COM
ASSOCIA CHICAGOLAND	ASSOCIA CHICAGOLAND	50 COMMERCE DR #110		SCHAUMBURG	IL	60173	847-490-3833		
LIEBERMAN MANAGEMENT SERVICES	TOWNE PLACE WEST CONDO	2841 MEADOW LN		SCHAUMBURG	IL	60193	847-798-9574	847-798-9575	llange@lmsnet.com; JROMAN@LMSNET.COM
AMERICAN PROPERTY MANAGEMENT	TUSCANY HOMEOWNERS ASSOC	7 PRESIDENTIAL DR		ROSELLE	IL	60172	847-985-6464	847-985-5038	PMGRS@AOL.COM
ABC PROPERTY MANAGEMENT	WELLINGTON COURT ASSOCIATION	1732 W WISE RD		SCHAUMBURG	IL	60193	847-985-4044	847-985-5894	Pmgrs@aol.com
AMERICAN PROPERTY MANAGEMENT	BAR HARBOUR AT WINDMILL LAKE MASTER	1251 N PLUM GROVE RD STE 140		SCHAUMBURG	IL	60173	847-985-6464		
LIEBERMAN MANAGEMENT SERVICES	CARRIAGE HOMES OF WINDSONG CONDO ASSOC	25 NORTHWEST POINT BLVD STE 330		ELK GROVE VILLAGE	IL	60007	847-459-0000	847-459-3003	SERVICE@LMSNET.COM
AMERICAN PROPERTY MANAGEMENT	AMERICAN PROPERTY MANAGEMENT	1251 N PLUM GROVE RD STE 140		SCHAUMBURG	IL	60173	847-985-6464	847-985-5038	SEAN@APMPFIL.COM
AMERICAN PROPERTY MANAGEMENT	WEATHERSFIELD NORTH TOWNHOME ASSOC	1251 N PLUM GROVE	SUITE 140	SCHAUMBURG	IL	60173	847-985-6464	847-985-5038	MAIL@APMOFIL.COM
ALMA PROPERTY MANAGEMENT	SARAH'S GROVE HOMEOWNERS ASSOCIATION	890 E HIGGINS RD STE 154		SCHAUMBURG	IL	60173	847-517-4400	847-517-4402	ADA@ALMAPROPERTYMANAGEMENT.COM
CARE PROPERTY MANAGEMENT	DEL LAGO VILLAS II CONDO ASSOCIATION	1985 E DEVON		HANOVER PARK	IL	60133	630-855-2279	630-855-6388	joan@caseprop.com
ALMA PROPERTY MANAGEMENT	ARBOR GLEN HOMEOWNERS ASSOCIATION	890 E HIGGINS RD UNIT 154		SCHAUMBURG	IL	60195	847-517-4400	847-517-4402	arbglenn@ciramail.com
ACM COMMUNITY MANAGEMENT	OLDE SCHAUMBURG HOMEOWNERS ASSOCIATION	3041 WOODCREEK DRIVE - SUITE 101		DOWNERS GROVE	IL	60515	847-301-1133	630-963-5189	CYNDI@ACMWEB.COM
AMERICAN PROPERTY MANAGEMENT	SHEFFIELD MANOR CONDOMINIUM ASSOC	123 E LAKE ST	SUITE 302	BLOOMINGDALE	IL	60108	847-985-6464	847-985-6464	MAIL@APMOFIL.COM
ALMA PROPERTY MANAGEMENT SERVI	BROOKSTONE CONDO ASSOCIATION	P O BOX 702348		DALLAS	TX	75370-2348	847-517-4435 (LOCAL)	847.517.4402	ADA@ALMAPROPERTYMANAGEMENT.COM
MCGILL MANAGEMENT-HALEY FLOTO	BRIAR POINTE HOMEOWNERS ASSOCIATION	1314 N RAND RD		ARLINGTON HEIGHTS	IL	60004	847-259-1331	847-259-6862	HFLOTO@MCGILLMANAGEMENT.COM

ROBERT KAYE	BROOKHILL ASSOCIATION	105 E BEECH DR		SCHAUMBURG	IL	60193	847-895-1149			
ALMA PROPERTY MANAGEMENT	GATEWOOD CONDO ASSOCIATION	P O BOX 36525		CHARLOTTE	NC	28237	847-517-4400	847.517.4402	DIANA@ALMAPROPERTYMANAGEMENT.COM	
AMERICAN PROPERTY MANAGEMENT	HEATHERWOOD NORTH CONDO ASSOC	1251 N PLUM GROVE RD STE 140		SCHAUMBURG	IL	60173	847-985-6464 STEVE W	847-985-5038	ROCKI@APMOFIL.COM	
LIEBERMAN MANAGEMENT	CARRIAGE HOMES OF SUMMIT PLACE	25 NORTHWEST POINT STE 330		ELK GROVE VILLAGE	IL	60007	(847)459-0000	(847)459-3003	0496@LMSNET.COM	
	WILLOW POND CONDO ASSOCIATION	1251 N PLUM GROVE RD		SCHAUMBURG	IL	60173				
PROPERTY SPECIALISTS INC	PLEASANT SQUARE COMMUNITY ASSOCIATION	5999 S NEW WILKE RD	SUITE 108	ROLLING MEADOWS	IL	60008	847-806-6121	847-806-6154	MKNOLLMAN@PSIMANAGEMENT.NET	
LIEBERMAN MANAGEMENTS SERVICES	HEATHERWOOD ESTATES CONDO ASSOCIATION	25 NORTHWEST POINT BLVD STE 330		ELK GROVE VILLAGE	IL	60007-1033	847-459-0000	847-459-3003		

LOC DESCRIPTION	MAIL NAME	MAIL ADDR1	MAIL ADDR 2	MAIL CITY	MAIL STATE	MAIL ZIP	BUS PHONE
	TRAVIS INC	920 STATE PKY		SCHAUMBURG	IL	60194	847-843-1313
	ARKAD REALTY LLC	650 E ALGONQUIN RD	SUITE 106	SCHAUMBURG	IL	60173	847-204-1993
	WOODFIELD PRESERVE PROPERTY LLC	401 N MICHIGAN AVE STE 1300		CHICAGO	IL	60611	312-229-8842
KINGSPORT PLAZA	S D & S PROPERTIES INC	P O BOX 768		GLENVIEW	IL	60025	847-483-0100
ALGONQUIN PLAZA	PANAGAKOS, DEMETRIOS	1831 W PALM DR		MOUNT PROSPECT	IL	60056	847-806-6847
	HEIDNER PROPERTY MANAGEMENT	5277 TRILLIUM BLVD		HOFFMAN ESTATES	IL	60192	630-894-0099 X7011
COLONY LAKE PLAZA 1 & 2	A W GREEN MANAGEMENT	1410 S CLINTON ST		CHICAGO	IL	60607	773-227-6500
GOLF POINT ANNEX	RMS PROPERTIES	1111 PLAZA DR UNIT 200		SCHAUMBURG	IL	60173	630-909-1600
BODE ROAD SHOPPING CENTER	PATEL, HEMAL KUMAR	2333 BODE RD		SCHAUMBURG	IL	60194	224-323-2014
CARSON'S FURNITURE (MC SPORTIN	GARY SOLOMON	3139 N LINCOLN AVE STE 212		CHICAGO	IL	60657	312-248-4700
WEATHERWAY PLAZA	ROSELLE WEATHERSFIELD ASSOCIATION	500 N DEARBORN ST STE 1016		CHICAGO	IL	60610	312-464-0100
SHOPS AT SCHAUMBURG COURT	SHINER MANAGEMENT GROUP INC	3201 OLD GLENVIEW RD STE 301		WILMETTE	IL	60091	847-559-8882
SHEFFIELD COMMONS PLAZA	SHEFFIELD COMMONS SHOPPING CENTER	442 KENSINGTON CT		PALATINE	IL	60067	847-991-5141
FARMGATE SHOPPING CENTER	ARC PROPERTIES	P O BOX 3313		BARRINGTON	IL	60011	847-426-0426
FOUR WOODFIELD LAKE	ARCP OFC SCHAUMBURG IL	P O BOX 32504		CHARLOTTE	NC	28232	847-227-6073
	RESOURCE GRAPHIC INC	739 ESTES AVE		SCHAUMBURG	IL	60193-4404	847-524-0400
915-935-955 NATIONAL PARKWAY	PARKWAY CORPORATE CENTER SPE LLC	600 E DIEHL RD UNIT 120		NAPERVILLE	IL	60563	630-729-7963
CENTENNIAL CENTER I	WOODFIELD GREEN LLC	1375 E WOODFIELD RD STE C50		SCHAUMBURG	IL	60173	847-299-7900
	HILLCREST COMMONS OFFICE ASSN	110 W HILLCREST BLVD # 107		SCHAUMBURG	IL	60195	847-805-9940
SCHAUMBURG ATRIUM CENTER	R M S PROPERTIES INC	1491 W SCHAUMBURG RD		SCHAUMBURG	IL	60193	847-891-1800
	WOODFIELD PRESERVE PROPERTY LLC	401 N MICHIGAN AVE STE 1300		CHICAGO	IL	60611	312-229-8842
	CHICAGOLAND COMMERCIAL REAL ESTATE	4811 EMERSON AVE UNIT 112		PALATINE	IL	60067	847.438.4300
469 - 489 W WISE RD	EDDIE DINKHA	P O BOX 59283		CHICAGO	IL	60659	773-407-9300
HARVEST PLAZA	GIANNIKOULIS, PETER	156 S WHITEHALL CT		PALATINE	IL	60067	847-359-4549
SCHARRINGTON SQUARE	SCHARRINGTON BELMONT LLC	ONE PARKVIEW PLAZA	9TH FLOOR	OAKBROOK TERRACE	IL	60181	630-954-7300
POPLAR CREEK PLAZA	POPLAR CREEK PLAZA LLC	1010 HILLSIDE DR		NORTHBROOK	IL	60062	708-354-0329
WOODFIELD LAKES OFFICE COURT	CHODY REAL ESTATE CORP	401 N MICHIGAN AVE	24TH FLOOR	CHICAGO	IL	60611	847-884-8000
MB FINANCIAL BANK	CONCIERGE INTERNATIONAL PROPERTIES LLC	200 W HIGGINS RD STE 214		SCHAUMBURG	IL	60195	847-303-2080
	PALMER LLC	2233 PALMER DR	BULD C	SCHAUMBURG	IL	60173	847-303-9326
	ALA CARTE ENTERTAINMENT	2330 HAMMOND DR UNIT G		SCHAUMBURG	IL	60195	847-303-4426
	MIJEN FAMILY LTD PARTNERSHIP	2221 HAMMOND DR		SCHAUMBURG	IL	60173-3813	312-925-1673
	PARIS REALTY LLC	5 S MEADOW CT		BARRINGTON	IL	60010	847-836-2100
SPRING VALLEY PLAZA	SPRING VALLEY PLAZA PARTNERSHIP	968 W LAKE ST	SUITE A	ROSELLE	IL	60172	630-894-1277
WOODFIELD CORPORATE CENTER	MARTINGALE ROAD LLC	425 N MARTINGALE RD STE 50		SCHAUMBURG	IL	60173	847-585-5878
	NAT SCLAFANI	1513 S WRIGHT BLVD		SCHAUMBURG	IL	60193	847-985-9780
	AMERICAN FOUNDRY SOCIETY, INC.	1695 N PENNY LANE		SCHAUMBURG	IL	60173	847-824-0181
	WOODFIELD MALL MANAGEMENT LLC	5 WOODFIELD MALL		SCHAUMBURG	IL	60173	847-330-0220
	FIRST AMERICAN PROPERTIES	1540 E DUNDEE RD STE 210		PALATINE	IL	60074	847-481-1824
	GRIST GREENS CO INC	801 MORSE AVE		SCHAUMBURG	IL	60193-4535	847-524-3039
TREE LAKES BUSINESS PARK	WOODFIELD PROFESSIONAL SUITES LLC	1345 TELEGRAPH RD		LAKE FOREST	IL	60045	847-602-6277
CENTENNIAL CENTER	CENTENNIAL CENTER LLC	1900 E GOLF RD STE L125		SCHAUMBURG	IL	60173	847-706-9306
WOODFIELD FINANCIAL CENTER I	HELIOS PROPERTY MANAGEMENT LLC	1375 E WOODFIELD RD UNIT C50		SCHAUMBURG	IL	60173	847-299-7900
	MARC REALTY	3701 ALGONQUIN RD	SUITE330	ROLLING MEADOWS	IL	60008	847-330-1300
ONE CENTURY CENTRE	BOXER PROPERTY MANAGEMENT CORP	720 N POST OAK RD STE 500		HOUSTON	TX	77024	847-240-0707
	CHICAGOLAND COMMERCIAL	4811 EMERSON AVE SUITE 112		PALATINE	IL	60067	847-246-9610
	VERSAILLES VILLAGE CENTER	715 E GOLF RD UNIT 203		SCHAUMBURG	IL	60173	847-884-6840
	SACADA REAL ESTATE	1222 N ROSELLE RD		SCHAUMBURG	IL	60193	847-303-2135
	JANKO ASSET MANAGEMENT	1325 REMINGTON RD STE I		SCHAUMBURG	IL	60173	708-843-7575
	1101 PERIMETER DRIVE LLC	300 PARK BLVD		ITASCA	IL	60143	
MARKET SQUARE	MARKET SQUARE SCHAUMBURG LLC	2604 DEMPSTER UNIT 100		PARK RIDGE	IL	60068	847-297-3800
	NAT SCLAFANI	1513 S WRIGHT BLVD		SCHAUMBURG	IL	60193	847.985.9780
	REMINGTON GROUP LIMITED	1300 REMINGTON RD UNIT G		SCHAUMBURG	IL	60173	847-995-7056

	SHOPS OF SCHAUMBURG	3201 OLD GLENVIEW RD UNIT 301		WILMETTE	IL	60091	847-256-8800
PARKWAY PLAZA	GOWDAS LLC	2615 HOMESTEAD DR		NAPERVILLE	IL	60564	630-389-2473
829 - 867 W WISE	WISE COMMERCIAL CORP	5214 MULFORD CT		SKOKIE	IL	60077	224-558-7324
	JOSEPH MOLOCZYJ	65 ROYAL COURT		BLOOMINGDALE	IL	60108	847-345-6652
	SKA PROPERTY LLC	7207 BLACKSTONE AVE		JUSTICE	IL	60458	708-218-3631
	GIANNINI, JOHN	525 W WISE RD UNIT B		SCHAUMBURG	IL	60193	630-890-3878
CORINIUM PLAZA	CORINIUM PLAZA PARTNERSHIP 3	968 W LAKE ST	SUITE A	ROSELLE	IL	60172	1-630-894-1277
	KRAMER, JEANNE	190 W JOHNSON ST UNIT 408		PALATINE	IL	60067	262.745.2980
	LOSURDO & PANZECA	1684 WRIGHT BLVD		SCHAUMBURG	IL	60193	847-352-0097
	NOVEL BUSINESS SOLUTIONS INC	1635 W WISE RD		SCHAUMBURG	IL	60193	847-524-0001
GOLFWOOD SQUARE 600-644 E GOLF	GOLFWOOD SQUARE	1834 WALDEN OFFICE SQUARE STE 350		SCHAUMBURG	IL	60173	630-523-0189
SALEM PLAZA I & II	BRIAN PROPERTIES	PO BOX 1146		HICKSVILLE	NY	11802	847-640-1500
SCHAUMBURG TOWNCENTER	TORGO LIMITED PARTNERSHIP	5231 HARLEM AVE		CHICAGO	IL	60656	773-774-7777
	FULAND LLC	P O BOX 193		ITASCA	IL	60143	630-289-8888
	IRC RETAIL CENTERS	814 COMMERCE DR UNIT 300		OAK BROOK	IL	60523	877 206 5656
CYNTEX	LOUIS PACINI	419 E STONE		ADDISON	IL	60101	
	DANIEL HARRIS	P O BOX 761		ITASCA	IL	60143	630-690-0037
	KORMAN/LEDERER MGMT CO	3100 DUNDEE STE 116		NORTHBROOK	IL	60062	498-1000
	SUSAN AMATO	970 N OAKLAWN STE 300		ELMHURST	IL	60126	630-782-9530 X3830
SCHAUMBURG PLAZA	RMS PROPERTIES	1111 PLAZA DR UNIT 200		SCHAUMBURG	IL	60173	847-891-1800
	SANDERS COMMERCIAL REAL ESTATE	20 DANADA SQUARE WEST #274		WHEATON	IL	60189	630-480-4080
FIRST UNITED CENTER	BENEDETTO, LOUIS	2720 DUNDEE RD STE 152		NORTHBROOK	IL	60062	847-971-1083
WATERBURY PLACE	AL MANZARDO	11827 BORHART DR		HUNTLEY	IL	60142	847-606-2000
	FINCH & BARRY PROPERTIES LLC	1305 WILEY RD STE 106		SCHAUMBURG	IL	60173	847/839-4600
VALLEY LAKE PLAZA	BROWN FOUNDATION INC	1417 VALLEY LAKE DR		SCHAUMBURG	IL	60195	847-882-4220
	LLOYD BERRY	1707 N RANDALL RD STE 153		ELGIN	IL	60123	847-289-0002
	BRIAN PROPERTIES	PO BOX 1146		HICKSVILLE	NY	11802	847-640-1500
	RMS PROPERTIES LLC	1111 N PLAZA DR STE 200		SCHAUMBURG	IL	60173	847-891-1800
	CHRACA, STANLEY	P O BOX 280		STREAMWOOD	IL	60107	
	CORE COPLEY LLC	P O BOX 1243		NORTHBROOK	IL	60065	847-277-9930
	SCHAUMBURG MARKET PLACE	830 S BUFFALO GROVE SUITE106 R		BUFFALO GROVE	IL	60089	847-482-0000
	BRE DDR WOODFIELD VILLAGE GREEN LLC	3300 ENTERPRISE PARKWAY		BEACHWOOD	OH	44122	216-755-5500
	REMINGTON PLUM GROVE LLC	125 N HALSTED ST STE 203		CHICAGO	IL	60661	312-879-0880
	STOREK, RICK	357 W CHICAGO AVE		CHICAGO	IL	60654	847-963-9449 X 301
	WOODFIELD GREEN LLC	1375 E WOODFIELD RD STE C50		SCHAUMBURG	IL	60173	847-299-7900
TWO CENTURY CENTRE	TWO CENTURY LLC	1900 E GOLF RD STE L125		SCHAUMBURG	IL	60173	847.706.9306
	PARM SHOPPES ON MEACHAM LLC	1901 N ROSELLE RD STE 650		SCHAUMBURG	IL	60195	847-882-0471
WOODFIELD BUSINESS CENTER	J EMIL ANDERSON & SON INC	1400 E TOUHY AVE STE 400		DES PLAINES	IL	60018	847-297-7710
	105 ROSELLE BUTTERY LLC	160 BRAYMORE CT		INVERNESS	IL	60010	773-459-4986
1414-1426	SHOPPES AT PRIME VILLAGE	240 WAUKEGAN RD	UNIT #200	GLENVIEW	IL	60025	847-372-3347
	1300 WOODFIELD LLC	1300 E WOODFIELD RD UNIT 150		SCHAUMBURG	IL	60173	847-239-7511
	PATEL, HARI	2330 N 17TH ST		FRANKLIN PARK	IL	60131	847-455-5446
	PATEL, HARI	2330 N 17TH ST		FRANKLIN PARK	IL	60131	847-455-5446
	CBRE, INC	2100 ROSS AVE SUITE 1500		DALLAS	TX	75201	847-706-4993
	CAMPUS PROPERTY MANAGEMENT	P O BOX 59481		SCHAUMBURG	IL	60159	847-755-9600
	NORTHWEST COMMUNITY HEALTHCARE	3060 W SALT CREEK LN		ARLINGTON HEIGHTS	IL	60005	847-618-7521
	PIEDMONT OFFICE REALTY TRUST	1500 E MCCONNOR PKWY STE 250		SCHAUMBURG	IL	60173	847-995-0162
	GC REALTY & DEVELOPMENT LLC	796 W BARTLETT RD		BARTLETT	IL	60103	630-587-7400
	1300 BASSWOOD LLC	1300 BASSWOOD RD STE 100		SCHAUMBURG	IL	60173	847-310-3713
	BRE STREETS OF WOODFIELD LLC	P O BOX 27324		SAN DIEGO	CA	92198-1324	630-954-7378
	WOODFIELD PRESERVE PROPERTY LLC	401 N MICHIGAN AVE STE 1300		CHICAGO	IL	60611	312-229-8842
	STAMBOLIC RE LLC	300 N MARTINGALE RD SUITE 750		SCHAUMBURG	IL	60173	847-884-1781 X18
SCHAUMBURG CORNERS	CBRE	700 COMMERCE DR SUITE 450		OAK BROOK	IL	60523	847/283-9200 EXT.111

	COLLIERS INTERNATIONAL ASSET & PROPERTY	1707 N RANDALL RD SUITE 153		ELGIN	IL	60123	847/267-0050
WEAHERSFIELD COMMONS	RMS PROPERTIES	1111 PLAZA DR UNIT 200		SCHAUMBURG	IL	60173	847.891.1800
PRAIRIE TOWN CENTER	SAMI PRAIRIE TOWN LLC	3415 W DIVERSEY AVE		CHICAGO	IL	60647	773-384-1125 JOHN
	EDGEWOOD CONSTRUCTION COMPANY LLC	1724 FAIRWAY DR		SHERMAN	TX	75090	903-771-4002
STREETS OF WOODFIELD ANNEX	BRE STREETS OF WOODFIELD LLC	P O BOX 27324		SAN DIEGO	CA	92198-1324	630-954-7378
	ARMINI CENTRAL LLC	115 W CENTRAL RD		SCHAUMBURG	IL	60195	847-681-3801
	FISCHER COMMERCIAL PROPERTIES LLC	955 N PLUM GROVE RD UNIT E		SCHAUMBURG	IL	60173	847-884-1940
SPECTRUM INDUSTRIAL PARK	PFC VENTURE/DARWIN ASSET MGMT	970 N OAK LAWN AVE STE 100		ELMHURST	IL	60126	630-782-9530
	PFC VENTURE/DARWIN ASSET MGMT	970 N OAK LAWN AVE STE 100		ELMHURST	IL	60126	630-782-9530
	COLE CP SCHAUMBURG IL LLC	2325 E CAMELBACK RD STE 1100		PHOENIX	AZ	85016	602-778-8700
	HEIDNER PROPERTY MGMT	5277 TRILLIUM BLVD		HOFFMAN ESTATES	IL	60192	708-878-9537 ERIC
	HEIDNER PROPERTY MGMT	5277 TRILLIUM BLVD		HOFFMAN ESTATES	IL	60192	708-878-9537 ERIC
	HUNT COMMERCIAL GROUP	200 W MADISON ST	STE 2620	CHICAGO	IL	60606	847-620-5770
	CHESTER CV HOLDINGS LLC	135 JERICHO TURNPIKE		OLD WESTBURY	NY	11568	
	FREY, ERNEST	7912 W GRAND AVE		ELMWOOD PARK	IL	60635	847-309-3100
	NATIONAL RETAIL PROPERTIES, LP	450 S ORGANGE AVE UNIT 900		ORLANDO	FL	32801	407-650-1156
	SCHAUMBURG COMMERCE CENTER LLC	P O BOX 1189		PALATINE	IL	60078	847-359-2121 BRYAN
	JSR HOLDINGS LLC	1501 E WOODFIELD RD STE 110E		SCHAUMBURG	IL	60173	847-413-1300
PALMER INDUSTRIAL	PALMER LLC	2233 N PALMER DR BLDG C		SCHAUMBURG	IL	60173	847-303-9326
	MURPHY BUILDING	107 E. BRITTANY		ARLINGTON HEIGHTS	IL	60004	
	GATEWAY WALDEN LLC	3701 ALGONQUIN RD	SUITE 330	ROLLING MEADOWS	IL	60008	847-330-1300
CHATHAM CENTER	COLLIERS INTERNATIONAL	1901 N ROSELLE RD	SUITE 30	SCHAUMBURG	IL	60195	847-310-0800
	IRC RETAIL CENTERS	814 COMMERCE DR UNIT 300		OAK BROOK	IL	60523	877 206 5656
	1105 REMINGTON LLC	1105 REMINGTON RD UNIT A		SCHAUMBURG	IL	60173	847-297-1700
	HUSSAIN, AHMED	P O BOX 367		BERWYN	IL	60403	224-639-6395
	PATEL, AVNI	53 W JACKSON BLVD		CHICAGO	IL	60604	
	20 SOUTH ROSELLE ASSETS LLC	200 E 69TH ST 8B		NEW YORK	NY	10021	917-565-4804
	PRECISION MCGILL LLC	638 - 642 LUNT		SCHAUMBURG	IL	60193	847-301-8000
	ICON MARS C/O CUSHMAN & WAKEFIELD	9500 W BRYN MAWR AVE	UNIT 600	ROSEMONT	IL	60018	847-518-3245
	SCHAUM COMPANY TRUST	28833 TELEGRAPH RD		SOUTHFIELD	MI	48034	248-353-8914
	COOPER COURT PROPERTIES LLC	700 COOPER CT STE A		SCHAUMBURG	IL	60173	847-342-9100
	BERHE, TSEGHAI	629 W RUHL RD		PALATINE	IL	60074	630-267-1577
	CH RETAIL FUND I/SCHAUMBURG	ONE PARKVIEW PLAZA FLR 9		OAKBROOK TERRACE	IL	60181	847-256-8800 X116
	K J F LLC	115 BRANCHWOOD DRIVE		SCHAUMBURG	IL	60193	847-891-2485
	UNCUS LLC	117 S COOK ST	UNIT 206	BARRINGTON	IL	60010	847-303-1200
	1880 PARTNERS LLC	80 HILLCREST BLVD STE 212		SCHAUMBURG	IL	60195	847-882-3683
	SCHAUMBURG REAL ESTATE INVESTMENTS LLC	110 PELICAN BAY		ROSELLE	IL	60172	847-977-7859 SAM
	SAVVY INFOSYSTEMS INC	120 W GOLF RD UNIT 200		SCHAUMBURG	IL	60195	630-936-9623
	SD & S PROPERTIES INC	P O BOX 221		MOUNT PROSPECT	IL	60056	847-483-0100
	JONES LANG LASALLE	211 N BROADWAY	SUITE 2075	ST LOUIS	MO	63102	312-386-8104
	CAC GROUP PARTNERS LLC	110 W HILLCREST BLVD UNIT 406		SCHAUMBURG	IL	60195	847-805-9800
	GIERKE, GLENN	W3618 MAPLE LANE		LAKE GENEVA	WI	53147	847-833-5324
	HNH PROPERTY MANAGEMENT	635 COOPER CT SUITE A		SCHAUMBURG	IL	60173	847-815-6771
	FREP REMINGTON LLC	477 ELM PL		HIGHLAND PARK	IL	60035	847-770-6264
	WOODFIELD CORPORATE CENTER SPE LLC	200 N MARTINGALE RD	SUITE 100	SCHAUMBURG	IL	60193	847-585-5920
	1125 REMINGTON LLC	1125 REMINGTON RD		SCHAUMBURG	IL	60173	847-884-5969
	300 N MARTINGALE LLC	5959 TOPANGA CANYON BLVD	SUITE 200	WOODLAND HILLS	CA	91367	224-353-6185
	GILLESPIE FAMILY LTD PARTNERSHIP	701 WARRENVILLE RD	SUITE 300	LISLE	IL	60532	630-925-1830
	NARE GOLF CENTER LLC	1901 N ROSELLE RD UNIT 650		SCHAUMBURG	IL	60195	847-882-0471
	RMS PROPERTIES	1111 N PLAZA DR	STE 200	SCHAUMBURG	IL	60173	847-891-1800
	RMS PROPERTIES	1111 PLAZA DR UNIT 200		SCHAUMBURG	IL	60173	847-891-1800
	RMS PROPERTIES	1111 PLAZA DR UNIT 200		SCHAUMBURG	IL	60173	847-891-1800
	SCHLOSSER, RAY	4 N 675 TURNMILL LN		WEST CHICAGO	IL	60185	847-352-4900 X 233

	NISAN FAMILY TRUST / DAVID NISAN	1306 BLAIR LN		HOFFMAN ESTATES	IL	60169	(847) 296-6560
WOODFIELD VILLAGE GREEN	DDR CORPORATION	3300 ENTERPRISE PKWY		BEACHWOOD	OH	44122	216-755-5500
	TOMA, LEONARD	758 KATELAND WAY		SOUTH ELGIN	IL	60177	773-405-1911
	WEATHERSFIELD PLAZA II	399 WALL ST UNIT H		GLENDALE HEIGHTS	IL	60139	630-894-0099
	GOLF HIGGINS PLAZA LLC	837 W HIGGINS RD		SCHAUMBURG	IL	60195	847-675-4455
	C M & Z HOLDINGS	P O BOX 41		PARK RIDGE	IL	60068	847-813-9402
	GUEY CHANG	2824 W LUNT AVE		CHICAGO	IL	60645	773-541-0297
	HIGH POINT RETAIL CENTER	1129 THATCHER LN		ADDISON	IL	60101	630-628-1249
	LINCOLN PROPERTY COMPANY	2800 W HIGGINS RD UNIT 170		HOFFMAN ESTATES	IL	60169	847-884-2803 MARLIES
	PATEL, AVNI	53 W JACKSON BLVD UNIT 1256		CHICAGO	IL	60604	630-247-6024
	SPARROWHAWK CHICAGO INDUSTRIAL LP	700 COMMERCE DR STE 450		OAK BROOK	IL	60523	713-722-7222
	HORIZON MANAGEMENT	1130 LAKE COOK RD UNIT 280		BUFFALO GROVE	IL	60089	847.870.8585
	GLOBAL COMMERCE II LLC	P O BOX 1189		PALATINE	IL	60078	847-359-2121
	AMERICAN INSURANCE ACQUISITION INC	953 AMERICAN LN	3RD FLOOR	SCHAUMBURG	IL	60173	
	TRIARCHY LLC	388 JOHNSON WOODS DR		BATAVIA	IL	60510	847-525-6050
	PREMIUM ELECTRIC SERVICES	655 LUNT AVE		SCHAUMBURG	IL	60193-4418	847-524-1507
	INITIAL ASCENT LLC	1012 LUNT AVE		SCHAUMBURG	IL	60193	630-973-9232
	812 WOODFIELD ROAD LAND TRUST	501 SILVERSIDE RD STE 87NS		WILMINGTON	DE	19809	224-770-0303
	808 WOODFIELD ROAD LAND TRUST	501 SILVERSIDE RD STE 87NS		WILMINGTON	DE	19809	224-770-0303
	804 WOODFIELD ROAD LAND TRUST	501 SILVERSIDE RD STE 87NS		WILMINGTON	DE	19809	224-770-0303
	V-LAND SCHAUMBURG LLC	1005 W WISE RD	UNIT 201	SCHAUMBURG	IL	60193	847-524-0052
	SHEIKH, ANEEQA	3155 W WALLEN AVE		CHICAGO	IL	60645	847-414-9670
	AHRENS REALTY LLC	P O BOX 6384		BLOOMINGDALE	IL	60108	630-894-8828
	VK 900 ESTES LLC	9500 BRYN MAWR STE 340		ROSEMONT	IL	60018	847-812-7547
	MERIDIAN LAKEWOODS LLC	650 E ALGONQUIN RD STE 106		SCHAUMBURG	IL	60173	847-650-6474
	NARE MEACHAM SQUARE LLC	1901 N ROSELLE RD STE 650		SCHAUMBURG	IL	60195	847-882-0471
	SHIVA ESTATE INC	15-79 SCULLY DR		SCHAUMBURG	IL	60193	630-484-7447
	ZEV G LLC	3721 PAPPYS WAY		AUSTIN	TX	78730	630-357-6210
	KORMAN/LEDERER	3100 DUNDEE RD UNIT 116		NORTHBROOK	IL	60062	847-498-1000
	BRE STREETS OF WOODFIELD LLC	P O BOX 27324		SAN DIEGO	CA	92198-1324	630-954-7378
	NORTHERN BUILDERS INC	5060 RIVER RD		SCHILLER PARK	IL	60176	847/678-5060 X229
	GW PROPERTY GROUP LLC- SERIES 16	2211 N ELSTON AVE STE 304		CHICAGO	IL	60614	773-382-0592
	IG CAPITAL LLC	1200 BRYN MAWR AVE		ITASCA	IL	60143	630-735-8133
	LEGEND INVESTMENTS LLC	1251 PLUM GROVE RD UNIT 120		SCHAUMBURG	IL	60173	847-910-0168
	NEXT GRAVITY INC	101 E BELLEVUE PL		CHICAGO	IL	60611	847-800-7100
	ELSHAFEI, RAMSEY	P O BOX 5598		WOODRIDGE	IL	60517	630-707-0209
	SCHAUMBURG RANGER LLC	6801 SPRING CREEK RD		ROCKFORD	IL	61114	815-229-3000
	PRAIIRE MANAGEMENT CORP	225 W WASHINGTON ST STE 1450		CHICAGO	IL	60606	312-332-7164
	COLLIERS INTERNATIONAL ASSET & PROPERTY	1707 N RANDALL RD SUITE 153		ELGIN	IL	60123	847/267-0050
	GUPTA, RAVINDER K	667 BURDETTE AVE		GLENDALE HEIGHTS	IL	60139	630-534-6177 (CELL)
	CAREPOINT HOLDINGS LLC	9 W COMMERCE DR		SCHAUMBURG	IL	60173	847-209-7447
	HIGGINS GROVE PLAZA LLC	501 S ARTHUR AVE		ARLINGTON HEIGHTS	IL	60005	847-394-0696
	SCHAUMBURG MGMT GROUP LLC	2385 HAMMOND DR UNIT 8		SCHAUMBURG	IL	60173	630-988-7860
	GREER AND KIRBY CO INC	809 ALBION AVE		SCHAUMBURG	IL	60193	847-352-5515
MCDONALDS	FPR HOLDINGS INC	423 95TH ST		BROOKLYN	NY	11209	718-745-7920
	BLACKBURN DEVELOPMENT LLC	PO BOX 681429		SCHAUMBURG	IL	60168	847-278-5270
	KRIEGER KIDDIE CORP	1228 N ROSELLE RD		SCHAUMBURG	IL	60195	815-729-1668
	KRMR PROPERTIES LLC	1567 CALKINS DR		GAYLORD	MI	49735	
	DISTINCTIVE IMPORTS LLC	11581 ROBERTSON DR		MANASSAS	VA	20109	703-392-7073
SPECTRUM INDUSTRIAL PARK	CSI PROPERTIES LLC	800 LUNT AVE		SCHAUMBURG	IL	60193	844-279-6778
SCHAUMBURG INDUSTRIAL PARK	LATIMER, CHARLES F	38W668 EVANSWOOD LN		SAINT CHARLES	IL	60175	630-880-5844
WOODFIELD CORNERS	NARE WOODFIELD CORNERS LLC	1901 N ROSELLE RD STE 650		SCHAUMBURG	IL	60195	847-882-0471
MOTOROLA TOWER & ANNEX	MOTOROLA SOLUTIONS INC	500 W MONROE	TAX DEPT 44TH FLOOR	CHICAGO	IL	60661	312-448-7836

	MR 1051 LLC	1051 PERIMETER DR UNIT 320		SCHAUMBURG	IL	60173	630-932-1234
ROBERT MORRIS SCHOOL	VINAYAKA HOLDINGS CORP	860 REMINGTON RD		SCHAUMBURG	IL	60173	847-882-8200KETU
DISH NETWORK	WISE HOLDINGS LLC	63 HILLTOP DR		LAKE IN THE HILLS	IL	60156	847-293-8556
	WELBIC 1V SCHAUMBURG 2095 LLC	970 N OAK LAWN AVE STE 100		ELMHURST	IL	60126	630-782-9530
	CR 9 INC.	P O BOX 338		ITASCA	IL	60143	630-539-2295
	SEILER, RANDALL	634 PRATT AVE		SCHAUMBURG	IL	60193	847-534-2244
	TRI PROPERTIES LLC	803 ALBION AVE		SCHAUMBURG	IL	60193	847-417-5026
	L MOATS LLC	P O BOX 1189		PALATINE	IL	60078	847-963-0091
	LEXINGTON RETAIL LLC	205 E BUTTERFIELD	SUITE 426	ELMHURST	IL	60126	773-930-1080
	CHP PAYNE LLC	520 W ERIE 220		CHICAGO	IL	60654	312-248-7021
	BALDER, CHET	1375 WOODFIELD RD C50		SCHAUMBURG	IL	60173	847-863-2785
	EXPERT ADVANTAGE SCHAUMBURG	1101 CARRIAGE LN		SCHAUMBURG	IL	60193	224-315-7025 EXPRT
	979-981 LUNT LLC	981 LUNT AVE		SCHAUMBURG	IL	60193	844-847-8400
	FRONTLINE REAL ESTATE PARTNERS	477 ELM PL		HIGHLAND PARK	IL	60035	847.780.8065
	HORIZON REALTY SERVICE	1130 LAKE COOK RD 280		BUFFALO GROVE	IL	60089	312-217-4655
	ASHYANA LLC	P O BOX 959122		HOFFMAN ESTATES	IL	60195	773-230-1951
	REALTY INCOME ILL PROPERTIES 4 LLC	11995 EL CAMINO REAL		SAN DIEGO	CA	92130	858-284-5000
	REALTY INCOME ILL PROPERTIES 4 LLC	11995 EL CAMINO REAL		SAN DIEGO	CA	92130	858-284-5000
	DIRECTIIONS INC	145 COMMERCE DR		SCHAUMBURG	IL	60173	847-963-8500
	NORTHFIELD INDUSTRIES, LLC	700 WILEY FARM CT		SCHAUMBURG	IL	60194	847-951-8170
	STORE CAPITAL CORPORATION	8377 E HARTFORD DR	UNIT 100	SCOTTSDALE	AZ	85255	480-256-1100
	E & K LAND ACQUISITION 2 LLC	10505 CORPORATE DR STE 101		PLEASANT PRAIRIE	WI	53158	262-857-1156 X1131
	GLEN STAR ASSET MANAGEMENT	1501 E. WOODFIELD ROAD, SUITE 115E		SCHAUMBURG	IL	60173	847-605-8550
	SCHAUMBURG ASSOCIATES LLC	5215 OLD ORCHARD RD 880		SKOKIE	IL	60077	847-881-2029
	VSD SUB 1 LLC	932 W GRACE ST		CHICAGO	IL	60613	773.327-9300
	CAPITAL ASSET MANAGEMENT SERVICES LLC	385 AIRPORT RD	SUITE 100	ELGIN	IL	60123	847-841-7696
	HUNT REALTY GROUP LLC	200 W MADISON	SUITE 2620	CHICAGO	IL	60606	312-781-9835
	GW PROPERTY GROUP LLC SERIES 1	2211 N ELSTON AVE STE 304		CHICAGO	IL	60614	
	KEVIN A KINCAID	63 HILLTOP DR		LAKE IN THE HILLS	IL	60156	847-293-8556
	REALWISE CHICAGO LLC	845 OAKTON	SUITE 200	ELK GROVE VILLAGE	IL	60007	847-956-1040 GERRY
	SUNLIFE INSURANCE CO OF CANADA	1 OAKBROOK TERRACE	SUITE 400	OAKBROOK TERRACE	IL	60181	630-693-0680
	RD HOLDINGS LLC	5193 N MORELAND AVE		NORRIDGE	IL	60706	773-865-2830
	PLUM GROVE REALTY LLC	5260 SHOTKOSKI DR		HOFFMAN ESTATES	IL	60192	847-340-8778
	AUTOMATIC FEEDER COMPANY INC	921 ALBION AVE		SCHAUMBURG	IL	60193-4550	847-534-2300
	502 MORSE AVENUE LLC	53 W JACKSON BLVD 1256		CHICAGO	IL	60604	630-247-6024
	SKA PROPERTY LLC	7207 BLACKSTONE AVE		JUSTICE	IL	60458	708-218-3631
	CENTERLINE GROUP SCHAUMBURG	10 MECHANIC ST		SANDWICH	IL	60548	630-742-6100
	FOXFIELD PROPERTIES LLC	1245 HUMBRACHT CR	SUITE D	BARTLETT	IL	60103	630-213-0777
	TRANSFORM CONSTRUCTION LLC	1724 FAIRWAY DR		SHERMAN	TX	75090	903-771-4002
	1365 MITCHELL LLC	6000 SHEILA ST		COMMERCE	CA	90040	310-717-6234
	G C REALTY & DEVELOPMENT LLC	796 W BARTLETT RD		BARTLETT	IL	60103	630-587-7400 X100
	MEDIA SYSTEMS GLOBAL LLC	869 E SCHAUMBURG RD STE 274		SCHAUMBURG	IL	60194	847-877-4370
	RAYTEK DEVELOPMENT CORP	4505 FARMINGTON LN		JOHNSBURG	IL	60051	847-995-055
	CERTIFIED REALTY GROUP	507 N ASHLAND AVE		LA GRANGE PARK	IL	60526	312-493-6181
	631 MORSE LLC	1324 W HURON ST UNIT 3R		CHICAGO	IL	60642	847-673-8383
	THE 1435 PLUM GROVE CORP	401 N MICHIGAN AVE	24TH FLOOR	CHICAGO	IL	60611	312-494-2128
	RPAI SCHAUMBURG LANE, LLC	2021 SPRING RD	SUITE 200	OAK BROOK	IL	60523	630-634-4291
	RELLEUM HOLDINGS LLC	509 STATE PKY		SCHAUMBURG	IL	60173	847-769-1959
WOODFIELD LAKES	V H WOODFIELD II INC	1100 E WOODFIELD RD UNIT 120		SCHAUMBURG	IL	60173	847-240-9330
	SEQUOIA REALTY GROUP	1900 S HIGHLAND AVE STE 104		LOMBARD	IL	60142	630-424-8902
	CIG REALTY LLC	19342 BOULDER RIDGE DR		MOKENA	IL	60448	708-415-2371
	ROBERTSON, HAROLD S	1640 CROWFOOT CIRCLE S		HOFFMAN ESTATES	IL	60194	847-301-1686
	AMERICAN LANDMARK PROPERTIES MANAGEMENT	1400 AMERICAN LN	SUITE 100	SCHAUMBURG	IL	60173	630-828-8150

BRIDGE COMMERCIAL REAL ESTATE	1500 MCCONNOR PKWY	UNIT 250	SCHAUMBURG	IL	60173	847-995-0234
AMITA HEALTH	25 E SCHAUMBURG RD		SCHAUMBURG	IL	60193	224-522-8144
REALTY INCOME ILLINOIS PROPERTIES 1 LLC	11995 EL CAMINO REAL		SAN DIEGO	CA	92130	858-284-5000
1128 TOWER RD LLC	5 REVERE DR SUITE 200		NORTHBROOK	IL	60062	307-228-4919
LOCK ONE INVESTMENTS LLC	102 S WASHINGTON ST		NEW BREMEN	OH	45869	419-629-4121
800 MORSE AVE LLC	53 W JACKSON BLVD	STE 1256	CHICAGO	IL	60604	773-281-8400
JED WAREHOUSE LLC	620 ESTES AVE		SCHAUMBURG	IL	60193	888-520-1768
WU, JACKIE XIAOBEI	350 ALBION AVE		ROSELLE	IL	60172	847-882-5658
PUBLIC STORAGE	701 WESTERN AVE		GLENDALE	CA	91201	678-567-5971

MANAGEMENT OF STORMWATER FACILITIES:

VILLAGE OF SCHAUMBURG
APRIL 17, 2019

Prepared by Engineering Resource Associates, Inc.

In This Presentation

- Discuss the purpose and need of stormwater detention facilities
- Discuss what Home Owners Associations and Property Management Companies should be doing to inspect their basins their basins.
- If issues are discovered, determine what maintenance should be done.
- Describe the benefits of incorporating naturalized vegetation in a basin.
- Question & Answer

Detention Facilities

- Are required by Ordinance at the development stage of most projects;
- Hold a volume of water and release it slowly after precipitation events;
- Can be dry-bottom, wet-bottom, or a combination of both;
- Upon completion of construction and acceptance of the as-built and performance criteria, are turned over to the Home Owners Association for long-term management;
- Can be a valuable and beautiful natural feature.

Lake Elliot in Wheaton

Why Do We Need Detention?

- Precipitation falls on all areas throughout the Village (i.e. industrial and commercial areas, neighborhoods, roadways, parks, etc.)
- Increased impermeable surfaces leads to stormwater runoff.
- Increased runoff volumes from development lead to rapid water level rises in connected water bodies and cause flooding;
- Stormwater runoff picks up and carries pollutants to our waterways.
- Detention basins store increased run off to alleviate flooding and treat pollutants in the runoff prior to releasing stormwater into receiving streams.

Basic Basin Components

- Inlets
- Erosion Control
- Sediment Forebay
- Safety Ledge
- Storage/Detention Area
- Overflow
- Side Slopes/Buffer Zones
- Vegetative Communities

Types of Basins

turf grass

- May be wet or dry bottom;
- Requires continual mowing and aeration after establishment;
- Needs to be fertilized to grow healthy and dense, which causes algal blooms and contributes to water pollution and degradation of local waterways;
- Attracts unwanted geese populations;
- Root system is shallow and does not withstand inundation well.

Types of Basins

naturalized

- May include includes a permanent pool of water
- Reduce pollutant rates in runoff
- Absorb and evapotranspirate more water due to higher biomass
- Prevent erosion due to deeper root systems
- Benefits local wildlife with food and habitat
- Improves soil conditions like drainage and organic material
- Reduce prevalence of invasive species
- Attracts songbirds, butterflies, hummingbirds, and other desirable wildlife

Inspecting Your Basin

Proper and routine inspections are the simplest and cheapest way to ensure short and long-term success of your stormwater storage facility.

Inspecting Your Basin

frequency & timing

- Conduct thorough, twice-yearly inspections of the basin to monitor known problem areas and to watch for new issues
- Spring and fall inspections allow for best visibility due to reduced vegetation
- More frequent inspections may be needed to control known issues
- Common areas of concern are the outfalls/inlets, low-flow channels, and basin bottom

Inspecting Your Basin

inspection form

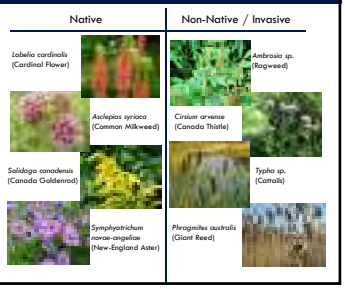
Stormwater Detention Basin Inspection Checklist

Inspector:		Basin:	
Previous Inspection Date:		Date of inspection:	
Corrective Actions Required (from previous visit)? Y / N		Corrective Actions Completed? Y / N	
Inspection Item	**Yes**	**No**	**Notes/Follow-up Remarks**
General Observations			
1) Received reports/complaints about basin?			
2) Does stormwater remain in the basin for greater than 72 hours following a storm?			
3) Is vegetation in the basin dominated by non-native or invasive species? (cattail, phragmites, etc.)			
4) Is water "Short-Circuiting" the basin by entering and exiting without coming into contact with vegetated areas or is inlet directly adjacent to outlet?			

Inspecting Your Basin

inspection form

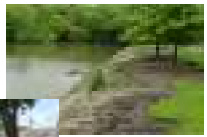
- Vegetation inspections should be carried out by an individual knowledgeable in native plants
- Often, detention basins will have minimum performance standards that require a level of diversity and quality in the selected plant species as a part of the permitting process.
- Use these inspections to watch for undesirable, aggressive, and non-native species that may appear in your basin and buffer, and lower the quality of the plant community.



Inspecting Your Basin

inspection form

Basin Inlets (structures conveying water into the basin)			
1) Signs of breakage, damage, or corrosion?			
2) Excess debris or sediment accumulation around the inlet?			
3) Signs of erosion, scour, or gullies, undercut embankments, washed out or bare soil around or relative to inlet structure?			
4) Tree roots or woody vegetation growing near or through inlet structure?			
5) If the inlet has a pretreatment structure (trash rack/forebay), is it filled with debris or sediment?			



Inspecting Your Basin

inspection form

Basin (Includes side slopes, both interior and exterior, as well as basin bottom and rock or berms)			
1) Accumulation of litter or debris in the basin?			
2) Exposed earth visible or bare areas of dead vegetation?			
3) Excess sediment accumulation?			
4) Basin walls/embankment eroded, slumping, or caving in?			

Inspecting Your Basin

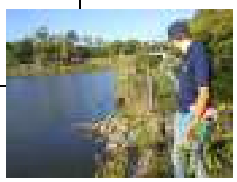
inspection form

Outlet (Conveys water out of the basin)			
1) Breakage, damage, or corrosion apparent?			
2) Evidence of erosion present? Scour, gullies, stripped soil, or undercut?			
3) Debris or sediment accumulation around pipe?			
4) Tree roots or woody vegetation growing near or through outlet structure?			

Inspecting Your Basin

inspection form

Inspection Item	Yes	No	Notes/Follow-up Remarks
Emergency Overflow			
1) Are pipes, conduits, or conveyances free from debris and clogs?			
2) Large trees or woody shrubs growing in proximity of conveyance with potential to crack structure or disrupt flow?			
3) Erosion, scour, or gullies, undermined or undercut earth embankments; exposed dirt, worn vegetation, soil washout, or disturbance around the spillway?			



Inspecting Your Basin

inspection form

Basin Outfall Area (location outside the basin where stormwater exits, may include receiving waterwa			
1) Signs of stormwater exiting the basin in an uncontrolled manner? (over berms or through outside walls)			
2) Erosion, scour, or gullies, undermined or undercut earth embankments; exposed dirt, worn vegetation, soil washout, or disturbance around or downslope of the outfall?			

Erosion around outfalls can lead to structural failure and costly repairs.

Maintaining Your Basin

proper care strategies and long term management

- Proper care of detention/volume control facilities is vital to their long-term success, prevention of flooding and improving local water quality
- While maintenance activity may be outsourced, it is the responsibility of the landowner to follow up and confirm completion of maintenance activities
- Once maintenance has been completed it should continue to be inspected

Maintaining Your Basin

erosion

Inlets/Outlets

- Stone riprap prevents undercut and scour surrounding these structures.
- Slow flow of water to prevent erosion in areas of concentrated flow.
- Vegetation Prevents erosion of basin bottom and low flow channels.

A properly stabilized outfall utilizing limestone riprap

Maintaining Your Basin

erosion

Bank/slope stabilization

- Banks exposed to changes in water level, waves and ice will erode naturally over time. Proper stabilization will ensure this does not happen.
- Erosion control can be approached with biological means such as erosion control blanket and vegetation.
- A more structural approach may be necessary in some instances.

Maintaining Your Basin

algae

- Reduce the use of fertilizer;
- Remove sediment that may have a large quantity of nutrients adhered to the particles;
- Plant vegetation that will filter nutrients from runoff;
- Improve aeration;
- Apply algicide.

Maintaining Your Basin

sediment removal

- Conventional dredging
  - A pond is mostly dried out first.
  - Then heavy equipment removes sediment;
  - Sediment is hauled offsite or can be spread onto the land;
  - Equipment can easily damage the surrounding area.
- Hydraulic dredging
  - High volume suction pumps to remove the sediment from the bottom of the pond;
  - Sediment is sent to a geotextile container, or spread onto the land.
  - The geotextile container allows the water to slowly drain away. The remaining sediment can thenm be hauled away as a much lighter, and much more inexpensive load.

Maintaining Your Basin

vegetation

- Can consist of mechanical and chemical control of non-desirable species, both native and non-native
  - Mechanical control generally will consist of mowing, weed whipping, prescribed burns, and hand pulling.
  - Chemical control consists of herbicide application through backpack sprayers, hand wicking, or broad spraying.

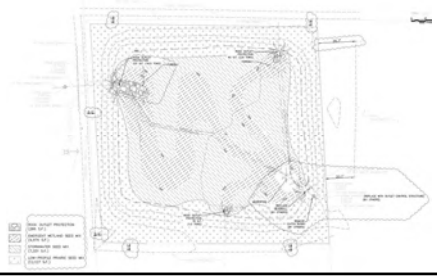
Maintaining Your Basin

the right crew for the job

- Select a contractor familiar with native plantings and a range of experience in the various methods of control and management.
  - All persons applying herbicide must be licensed by the Illinois department of agriculture to spray herbicide in public areas and for commercial purposes.
- Hear offers from multiple companies to find what works right for you.
- Set a maintenance schedule that includes monitoring visits to collect information on how the maintenance is affecting the basin and plant communities.
- Proper maintenance is vital in ensuring the long term success of a basin.

Retrofitting Your Basin

Retrofitting Your Basin



Questions?

Erin R. Pande, PWS, CFM
Ecological Services Director

3s701 West Avenue, Suite 150
Warrenville, IL 60555
(630) 393-3060 x41 **office** (630) 918-1966 **mobile**
www.eraconsultants.com

VILLAGE OF SCHAUMBURG

ADOPT – A – HIGHWAY ROADWAY SECTIONS

	STREET NAME	FROM / TO	MILES
1✓	West Frontage Rd IDOT	Golf/Woodfield	.45 mi
2✓	West Frontage Rd.	Woodfield/Higgins	.45 mi.
3✓	Higgins Rd. IDOT	West Frontage/Plum Grove Rd.	1.6 mi.
4✓	Golf Rd. IDOT	Rte. 53/Plum Grove Rd.	1.5 mi.
5✓	Golf Rd. IDOT	Plum Grove Rd / Roselle Rd	1.1 mi.
6	Golf Rd IDOT	Roselle Rd / Gannon Rd	1.5 mi.
7	Algonquin Rd IDOT	Rt 53 / Meacham Rd	.92 mi.
8✓	Algonquin Rd. IDOT	Meacham Rd / College Dr	1.3 mi.
9	Irving Park Rd IDOT	East Village Limit / Rodenburg Rd	1.15 mi.
10	Irving Park Rd IDOT	Rodenburg Rd / Wise Rd	1.1 mi.
11✓	Schaumburg Rd CCHD	Martingale Rd / Plum Grove Rd	1.56 mi.
12✓	Schaumburg Rd CCHD	Plum Grove Rd / Roselle Rd	1.1 mi.
13	Schaumburg Rd CCHD	Roselle Rd / Braintree Dr	1.5 mi.
14✓	Schaumburg Rd CCHD	Springinsguth Rd / Barrington	1.1 mi.
15	Schaumburg Rd. CCHD	Barrington / Village Limits	.85 mi.
16✓	Wise Rd CCHD	Roselle Rd / Salem Drive	1.2 mi.
17	Wise Rd. CCHD	Salem Dr / Irving Park Rd	1.35 mi.
18	Meacham Rd CCHD	Rte. 72 / S Village Limit	1.6 mi.
19	Plum Grove Rd CCHD	Rte. 72 / Weathersfield	1.63 mi.
20✓	Plum Grove Rd CCHD	Weathersfield / S Village Limit	1.07 mi.
21	Roselle Rd CCHD	Central Rd / Golf Rd	1.3 mi.
22	Roselle Rd. CCHD	N. Schaumburg Rd / S Village Limit	2.48 mi.
23	Springinsguth / Bode Rd CCHD	Schaumburg Rd / W Village Limit	1.0 mi

#✓ Indicates roads presently assigned.

Adopt a Hwy 2020 Active Participants

Organization	Contact name Phone number	Assigned Streets	
Boy Scout Troop 193	Jim Arient 224-558-4907	Wise Road	
		Roselle Rd	Salem Drive
Boy Scout Troop 496	Karen Schau 847 287-8187	Plum Grove Road	
		Weathersfield	South Limits
Schaumburg/Hoffman Rotary	Brian Townsend 847-923-4700	Golf Road	
		Plum Grove	Roselle
Schaumburg Environmental Committee	Tom Walsh 847 922-9556	Schaumburg Rd	
		Plum Grove	Roselle
Friends of the Bahai Faith	Mehan Sadman 847 409-9648	Algonquin Rd	
		College Dr	Meacham
Schaumburg Jaycee's	Scott Flegenhauer 847-507-2727	Schaumburg Rd	
		Plum Grove	Martingale

Organization	Contact name Phone number	Assigned Streets	
Benefitexpress	Laura Zimmermann 224-698-2336	Frontage Road	
		Golf Rd	Woodfield Rd
		Springinsguth	Barrington
Knights of Columbus	Tim Figel 847-274-1034	Higgins	
		Plum Grove	West Frontage
Kayhan	Tamara Howell 847-843-5066	West Frontage	
		Higgins	Woodfield

VILLAGE OF SCHAUMBURG

1	**benefitexpress**
2	**Kayhan**
3	**Knights of Columbus**
4	**Woodfield Lexus**
5	**Rotary (Schaumburg/Hoffman)**
8	**Bahai Faith, Friends of the**
11	**Jaycees (Schaumburg)**
12	**Environmental Committee**
14	**Girl Scout 40144**
16	**Boy Scout 193**
20	**Boy Scout 496**

Community Recycling Event

2019

Saturday, April 20
9AM–2PM
NEW HOURS

Boomers Stadium West Lot
1999 S. Springinsguth Rd.
Schaumburg, IL

For more information,
visit www.schaumburg.com
or call (847) 895-7100
or 311 in Schaumburg

Many of the vendors donate their services, and members from the following groups volunteer their time: School District 54, Village of Schaumburg Environmental Committee, Schaumburg Township District Library, and the Citizens Police Academy Alumni Association of Schaumburg.

VILLAGE OF SCHAUMBURG
PROGRESS THROUGH THOUGHTFUL PLANNING

SCHAUMBURG TOWNSHIP DISTRICT LIBRARY

SCHOOL DISTRICT 54
Ensuring Student Success

Paint, paint thinner, gas, and other hazardous waste will not be accepted.

ELECTRONICS RECYCLING

Televisions & Monitors CHARGES APPLY
Tube TV/Monitor
Flat Panel TVs: LCD, Plasma, LED

Under 21"	**$25**
21" and above	**$35**
LCD Monitor Any Size	**$15**

CASH OR CREDIT ON SITE

Other NO COST
Small appliances
Microwaves
Computers
Keyboards & mice
Radios
Video cassette recorders
Telephones
Fax machines
UPS systems
+ more

SPONSORED BY
ELGIN RECYCLING INC.

DOCUMENT DESTRUCTION

Allowed
Paper clips
Staples
Envelopes
TWO BOX LIMIT

Not allowed
CDs
Plastic Bags

SPONSORED BY
DOCU-SHRED (630) 986-5411

Schaumburg residents may also attend an earlier Document Destruction Event:

Saturday, April 13
9AM—12PM
Engineering & Public Works Building
714 S. Plum Grove Rd.

NEW HOLIDAY LIGHT STRANDS, COPPER & METAL RECYCLING

Light strands
Extension cords
Copper wiring
Computer wiring
Copper
Brass
Aluminum
Lead
Zinc
Silver
Molybdenum
+ more

NO TANKS OR FREON
Visit elginrecycling.com for a full list.

SPONSORED BY
ELGIN RECYCLING INC.

VEGETABLE OIL

Vegetable oil needs to be free of lard, fat, grease and grit.

SPONSORED BY
GREEN GREASE ENVIRONMENTAL

BATTERIES

Automotive, household alkaline, and rechargeable batteries

SPONSORED BY
INTERSTATE BATTERY

BOOK RECYCLING

Any used and abused books accepted.

SPONSORED BY
S.C.A.R.C.E.

CLOTHING, SHOES & HOUSEHOLD TEXTILES

Clothing
Shoes
Purses
Belts
Hats
Backpacks
Towels
Linens
+ more

SPONSORED BY
USAGAIN

CELL PHONES

Cellular and other wireless devices.

SPONSORED BY
TGA WIRELESS RECYCLING

MOTOR OIL AND ANTIFREEZE

For larger quantities, please call (847) 297-0255.

SPONSORED BY
ILLINOIS RECOVERY GROUP, INC.

BICYCLES

Bikes collected are sent to international development projects.

SPONSORED BY
WORKING BIKES COOPERATIVE

COMPACT FLUORESCENT LIGHT BULBS (CFL)

SPONSORED BY
REPUBLIC SERVICES/ARC DISPOSAL

AMERICAN FLAGS

SPONSORED BY
ELLSWORTH MEINEKE AMERICAN LEGION POST #1983

EYE GLASSES

SPONSORED BY
LIONS CLUB

FIRE EXTINGUISHERS

VILLAGE OF SCHAUMBURG
ENGINEERING & PUBLIC WORKS DEPARTMENT / 714 S. PLUM GROVE ROAD / SCHAUMBURG, IL 60193-4329
847.895.7100 / FAX 847.895.6086 / WWW.VILLAGEOFSCHAUMBURG.COM

MEMORANDUM

Date:

To: Michael Hall

From: Martin Metreger, Logistics Coordinator

Subject: 2019 Recycling Event Recap

For: Information Only

Introduction

The Village of Schaumburg, Schaumburg Environmental Committee, Schaumburg Township District Library, and School District 54 hosted the thirteenth annual Spring Recycling Event. The Spring Event held on Saturday April 20, 2019 at the Boomer's West parking lot included many recycling opportunities such as electronics, car batteries, clothes, document destruction and the like. The spring event attended by 1,341 participants, operated smoothly.

Discussion

Preparation for the 2019 Recycling Event began in November. Feedback from vendors and volunteers at that 2018 Recycling Event suggest starting the event earlier and possibly shorten the event. Village staff reviewed historic data from previous events and decided to start and end the event 1 hour early (9:00 a.m. – 2:00 p.m.). Village personal emailed out a RFQ (Request for Quote) to five local electronic recycling vendors. The village received a quote from Elgin Recycling with no cost to the village. The village received one other reply from eWorks who declined due to scheduling conflict. Additional vendors such as document destruction, oil and antifreeze, battery, textiles, and other collection services were reserved for the April 20th, 2019 Recycling Event.

Village staff continues with preparing for the event including the preparation of signage, ordering supplies, scheduling employees and seeking out volunteers. Village staff ordered 100 cones for designating a traffic flow throughout the event. Village Staff prepared a map of the routing throughout the event, Minimal Changes were made to the map to insure consistency of a proven route that provides ample buffer area along with simplicity to minimize confusion to attendees. Attendees enter at the north entrance of the Boomers Stadium West Lot and drive around the outside perimeter all the way to the south end of the lot. The single file lane splits off

into two routes the can access all collection services offered. The "Drop Zone" is the first stop where volunteers collect items such as textiles, batteries, fire extinguishers, eye glasses, oil, antifreeze, books, flags, bicycles, fluorescent bulbs, and cell phones from the participants. Volunteers count, sort, and box up the collected items. Document Destruction and Electronics Recycling are the next to stops before exiting at the north entrance at the Boomers West Lot.

The village held a Document Destruction Event decticated for Schaumburg residents only on Saturday April 13th at the Engineering & Public Works Building. This is the third year that the village provided the event and it designed to alleviate the heavily attended document destruction portion of the full recycling event. The event received 335 participants and collected over 14,000 lbs. of paper.

EPW (Engineering and Public Works) began setup for the event on Friday April 19th starting at 8:00 a.m. Barricades and the new cones were setup with signage. EPW employees moved the garbage containers to various locations. Utility carts, tables, chairs, and other miscellaneous items were strategically placed in preparation for quick setup on the day of the event. Saturday April 20th, EPW employees set up tables, chairs, and assembled boxes. Volunteers from Schaumburg Environmental Committee and C.P.A.A.A.S. (Citizen Police Academy Alumni Association of Schaumburg) began to show up at 8:00 a.m. Volunteers were asked to check in and sign a "hold harmless" form. Instruction was giving to all volunteers prior to opening the event.

Participants started lining up for the event as early as 7:30. By 8:30 the lot was full and the line spilled out onto Springinsguth road. The event started receiving participants at 8:35 a.m. There was a continuous line that backed up to Irvin Park Road however, the line moved quickly. By 9:30, the line reduced to within the parking lot. The heavy rush ended around 10:00 a.m. and the rest of the day was steady. See chart below:

Traffic Flow 2019	
Time	Cars
8:00 - 9:00	185
10:00	362
11:00	306
12:00	183
1:00	175
2:00	130
Total	1341

The Drop Zone accepted all items other than document destruction and electronics worked like a well-oiled machine. The volunteers settled into the routine almost immediately. Volunteers assigned to removing items from the cars used carts to transport to the different sorting sites within the Drop Zone. Other volunteers separated, counted and boxed the recyclables. Many volunteers have worked multiple years at the event and their experience was beneficial to the operation.

EPW employees and a few volunteers assigned to Document Destruction provided assistance in collecting the document bags and boxes and emptying into the carts that tip into the shredder. Some of the boxed documents were loaded on a truck that provided offsite destruction. The process is able to handle the sizable demand for document destruction during the busiest times.

Elgin Recycling provided enough personnel to handle the electronics collection on their own. Several cahiers collected money for the television recycling while other employees collected, sorted, and loaded the electronics. Elgin Recycling has provided electronics recycling for the recycling event since 2014.

Totals from the event slightly vary from the 2018 Recycling Event however pretty close compared to the last three years. Document Destruction only collected 15,430 as compared to 23,930 the previous year however, by including the Document Destruction Event held on April 13th collected 29,932 lbs. of paper. See Chart Below:

2019 Schaumburg Recycling Event (Spring)					
Material Collected	**Measurement**	**2017**	**2018**	**2019**	**Total since 2007**
Attendance	Number of cars	925	1,354	**1,341**	15,503
Electronics/Plastics	Weight in pounds	38,305	46,165	**47,045**	911,355
Document Shredding	Weight in pounds	21,683	23,930	**15,430**	185,543
Batteries - household	Weight in pounds	N/A	1,507	**2,481**	15,723
Batteries (lead acid - automotive)	Each	48	78	**65**	1,111
CFL bulbs	Weight in pounds	129	245	**203**	2,094
American Flags	Each	114	102	**74**	1,298
Eyeglasses	Pairs - Each	379	473	**465**	3,910
Fluorescent tubes	Each	249	455	**446**	3,026
Bikes	Each	23	40	**26**	372
Motor Oil/Antifreeze (gallons)	Gallons	230	275	**320**	4,633
Clothes/Textiles	Weight in pounds	2,587	2,507	**2,686**	26,048
Cell Phones	Each	116	609	**385**	2,813
Fire Extinguishers	Number of units	55	105	**74**	937
Books	Each	1,804	2,750	**2,775**	16,275
Vegetable Oil	Gallons	30	45	**25**	100

Elgin Recycling provided their services at no cost to the village because of the popularity of the event ensure high number of electronics collected at the event. Other vendors provide competitive pricing if not lower. See overall cost:

Cost Summary 2019		April 13th Shred Event
Oil & Antifreeze	$23	
Food & Drink	$232	
Paper Shredding	$1,540	$820
Porta Potty	$155	
Supplies	$1,923	
Police Labor	$1,466	$514
EPW Labor	$6,266	$1,551
Total	$11,605	$2,885

The Recycling Event minimizes labor cost by utilizing hard working volunteers from Schaumburg Environmental Committee, C.P.A.A.A.S, individual residents, and family members. See Chart Below:

Item Recycled	**Vendor**	**Vendor Staff**	**Volunteers**	**Employees**
Electronics	Elgin Recycling	25	0	0
Document Destruction	Docu Shred (Limit 2 boxes)	3	4	7
Clothing, Shoes and Textiles	Usagain	1	31	2
Batteries	Interstate Battery	2		
Motor Oil and Anti-Freeze	Illinois Recovery Group, Inc.	1		
Bicycles	Working Bikes Cooperative	1		
Compact Fluorescent Bulbs	Republic Services/ARC Disposal			
Bulb Eater	EPW			
Cell Phones	TGA Wireless			
Eyeglasses	Lions Club			
American Flags	Ellsworth Meineke American Legion Post #1983			
Fire Extinguishers	American Emergency	2		
Books	S.C.A.R.C.E.			
Volunteer Tent	Schaumburg		2	1
	Total	35	37	9

The overall 2019 Recycling Event is well received by residents and provides much needed recycling opportunities. Staff will prepare for the Fall Recycling event the offers Paint & Electronics recycling as well as Document Destruction.

Recommendation

CFL BULB, CELL PHONE & BATTERY DROP-OFF

The Village of Schaumburg is now sponsoring a CFL bulb, Cell Phone and Household Battery drop off program.

Residents should avoid the disposal of Compact Fluorescent Light bulbs and household batteries in the garbage for environmental reasons. Mercury from the CFL bulbs and toxic chemicals from the batteries can leach into the ground contaminating our water supplies. Because of this hazard, the Village of Schaumburg has arranged for drop off sites limited to village residents only. See below for the locations of the drop boxes:

Robert O. Atcher Municipal Center
101 Schaumburg Court
Schaumburg, IL 60193

Engineering and Public Works
714 S. Plum Grove Road
Schaumburg, IL 60193

The Prairie Center for the Arts
201 Schaumburg Court
Schaumburg, IL 60193

DISPOSAL OF MEDICATIONS, SYRINGES AND NEEDLES

The RxBOX is located in the lobby of the Police Department at 1000 W. Schaumburg Road and can be accessed at any time.

The RxBOX Program started in June 2009 as Schaumburg's solution to disposing of medications that may otherwise pollute the environment if disposed of in the trash or in the water supply.

- Schaumburg residents can bring medications including over-the-counter, prescription medications, ointments and liquid medications that are expired or unused to this location.
- These items should be placed in a zip locked plastic bag to be deposited in the RxBOX. Also, asthma inhalers can be deposited in a separate zip locked plastic bag.
- The medications will then be incinerated in collaboration with the Illinois Environmental Protection Agency using state-of-the-art technology.
- The **RxBox is available 24 hours a day, seven days a week**.

Items NOT Accepted in the RxBox - Sharps, needles, syringes and thermometers - see below

---

The Solution is Simple...

Syringe and Needle Disposal

Residents can bring used sharps, syringes and pen needles that have been placed in a **RED approved syringe disposal box** to the Village of Schaumburg Nursing building located at 521 E. Schaumburg Road.

- Drop off on the 2nd Monday of the month from 4-5pm
- Maximum number of containers accepted is 2 per visit
- Must be a Village of Schaumburg resident

COPPER WIRING RECYCLING

Drop off Christmas lights and extension cords at 714 South Plum Grove Road.

Provided by the Village of Schaumburg with Elgin Recycling

Residents can drop off:

- Christmas Light Strands
- Extension Cords
- Copper Wire
- Insulated Wire
- Copper Tubing
- House Wire
- Phone Wire
- Cat V/Coax
- Copper

Where

Engineering & Public Works Building
Monday thru Friday 8am to 4pm
714 S. Plum Grove Road
In the lobby next to the CFL Bulb and Household Battery Recycling Receptacle

Robert O. Atcher Municipal Center

December and January Only
Monday thru Friday 8am to 6pm
101 Schaumburg Court
Schaumburg, IL 60193

ELECTRONICS BANNED IN LANDFILLS

Beginning January 1, it is illegal for individuals to dispose of electronics in their regular trash. The Illinois **Electronic Products Recycling and Reuse Act**, which took effect in 2008 bans the disposal of electronics into landfills.

Electronics will be Tagged

It is illegal for the refuse collection contractor to knowingly collect electronics. Route drivers will tag electronics left out for collection. It is the responsibility of the resident to properly recycle electronic waste. **Click here** for recycling locations.

List of Banned Electronics

- computers
- computer monitors
- televisions, printers
- electronic keyboards
- fax machines
- video cassette recorders
- portable digital music players
- digital video disc players,
- video game consoles
- electronic mice
- scanners
- digital converter boxes
- cable receivers
- satellite receivers
- digital video disc recorders
- small-scale servers

HOUSEHOLD HAZARDOUS WASTE

Household hazardous waste is found in each and every home. Most of these items are products that are used for cleaning, controlling insects, improving plants and grass or for various other home improvement and repair projects. The labels on these products often contain words such as flammable, corrosive, reactive and even toxic. Household hazardous waste cannot be disposed of in regular refuse; they must be handled safely and disposed of in a manner that will not result in environmental exposure. It is strongly suggested that consumers take the time to read labels to better understand how to properly dispose household hazardous waste. When using a hazardous material, purchase only the amount needed to complete a job.

See listing below for local disposal locations or visit **Earth911.com**.

Household Hazardous Waste Disposal Facilities:

Naperville Household Hazardous Waste Facility
156 Fort Hill Drive
Naperville, IL
9am - 2pm
Saturday and Sunday
Call for details
630.420.6095

Rockford Rock River Reclamation District

3333 Kishwaukee
Rockford, IL
8am - 4pm Sat
12pm - 4pm
Call for details
815.387.7400

Goose Island Facility

1150 N. North Branch on Goose Island
Chicago, IL
Tuesdays:7am to 12pm
Thursdays:2pm to 7pm
On the first Saturday of month: 8am to 3pm
Call for details: 312.744.7672

Local Drop Off Centers:

Location	Paint	Oil	Antifreeze	Gas	Household Batteries	Automotive Batteries	CFL Bulbs

RECYCLING OPPORTUNITIES

Millions of tons of recyclables end up in the landfill each year taking up valuable space while wasting time and money. In addition, household hazardous waste continues to contaminate the land and water.

Please review the links below to to find answers to many common questions about recycling and recycling opportunities.

CFL, Cell Phones, Batteries
The Village of Schaumburg is now sponsoring a CFL bulb, Cell Phone and Household Battery drop off program. **Learn More...**

Electronics
Millions of tons of residential electronic waste generated each year can be recycled.The recycling process separates the metals, plastics and glass then sorts the reusable materials thus reducing the need for landfill space. **Learn More...**

Household Hazardous Waste
Household hazardous waste is found in each and every home. Most of these items are products that are used for cleaning, controlling insects, improving plants and grass, or for various other home improvement and repair projects. **Learn More...**

Prescription Drugs
TheRxBOX Program started June 2009 as Schaumburg's solution to disposing of medications that may otherwise pollute our environment if disposed of in the trash or in our water supply. **Learn More....**

Curb Side Recycling - Referred to as Single Stream Recycling
Single Stream recycling is a system in which all kinds of recyclables are mixed together. There is no need to separate the recyclables in a recycling bin prior to pickup by the refuse contractor. **Learn More...**

Annual Recycling Event Totals Collected by Year

Material Collected	Measurement	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	Totals
Attendance	Number of cars			575	950	1,600	1,631	1,660	1,835	1,697	1,935	925	**1,354**	**1,341**	15,503
Electronics/Plastics	Weight in pounds	9,272	23,439	40,481	63,173	100,000	105,317	105,320	110,697	95,254	126,887	38,305	**46,165**	**47,045**	911,355
Document Shredding	Weight in pounds	3,190	6,160	6,100	7,000	10,000	16,000	17,100	18,740	19,030	21,180	21,683	**23,930**	**15,430**	185,543
Batteries - household	Weight in pounds			712	1,100	Electronics	Electronics	2,302	3,536	2,055	2,030	N/A	**1,507**	**2,481**	15,723
Batteries (lead acid - automotive)	Each					185	170	172	158	128	107	48	**78**	**65**	1,111
CFL bulbs	Weight in pounds			60	60	118	241	235	235	283	285	129	**245**	**203**	2,094
American Flags	Each				81	165	174	108	147	159	174	114	**102**	**74**	1,298
Eyeglasses	Pairs - Each				158	412	324	247	494	444	514	379	**473**	**465**	3,910
Fluorescent tubes	Each					334	Unknown	560	451	233	298	249	**455**	**446**	3,026
Bikes	Each					80	47	28	32	50	46	23	**40**	**26**	372
Wheelchairs	Each					15	5	1	1	0	0	0	**0**	**0**	22
Motor Oil/Antifreeze (gallons)	Gallons					490	1,030	870	510	458	450	230	**275**	**320**	4,633
Clothes/Textiles	Weight in pounds						3,700	3,475	3,146	3,885	4,062	2,587	**2,507**	**2,686**	26,048
Cell Phones	Each					5	434	257	314	329	364	116	**609**	**385**	2,813
Fire Extinguishers	Number of units							100	314	108	181	55	**105**	**74**	937
Books	Each									3,423	5,523	1,804	**2,750**	**2,775**	16,275
Vegetable Oil	Gallons											30	**45**	**25**	100

Note: Household batteries were collected by electronics recycler in 2011 & 2012

Item Recycled	Vendor	Vendor Staff
Electronics	Elgin Recycling	25
Document Destruction	Docu Shred (Limit 2 boxes)	3
Clothing, Shoes and Textiles	Usagain	1
Batteries	Interstate Battery	2
Motor Oil and Anti-Freeze	Illinois Recovery Group, Inc.	1
Bicycles	Working Bikes Cooperative	1
Compact Fluorescent Bulbs	Republic Services/ARC Disposal	
Bulb Eater	EPW	
Cell Phones	TGA Wireless	
Eyeglasses	Lions Club	
American Flags	Ellsworth Meineke American Legion Post #1983	
Fire Extinguishers	American Emergency	2
Books	S.C.A.R.C.E.	
Volunteer Tent	Schaumburg	
	Total	35

Volunteers	Employees	
0	0	
4	7	
31	2	
2	1	
37	9	81

Traffic Flow 2012		
8:30-9:00	15 cars	15 cars were stacked up waiting for event to open
9:00-10:00	150 cars	
10:00-11:00	296 cars	2 readings -it took 15 minutes to cycle through event
11:00-12:00	346 cars	1 reading - it took 20 minutes to cycle through event
12:00-1:00	270 cars	Still taking about 20 minutes to cycle through
1:00-2:00	311 cars	
2:00-3:00	258 cars	Cones set out to close event at 3:05

Traffic Flow 2013		
9:00 - 9:30	44 cars	44 cars lined up so the event opened at 9:30
9:00 - 10:00	188 cars	1 reading - it took 15 minutes to cycle through
10:00 - 11:00	295 cars	1 reading - it took 15 minutes to cycle through
11:00-12:00	267 cars	1 reading - it took 15 minutes to cycle through
12:00-1:00	305 cars	5 readings - it took 10-15 minutes to cycle through
1:00-2:00	297 cars	10 readings - it took 13-15 minutes to cycle through
2:00-3:00	308 cars	Cones set out to close event at 3:10

Traffic Flow 2015				
Time	**Cars**	**Cycle Time (Minutes)**		
8:30 - 9:30	68			
9:30 - 10:00	110	9	8	
10:00 - 11:00	340	7	8.5	11
11:00-12:00	370	15.5	8.5	
12:00-1:00	232	9	6	
1:00-2:00	275	7	7	10
2:00-3:00	281	6	3.6	5.5
Total	1676	Cones set out to close event at 3:10		
		Average Cycle Time		8.10666667

Traffic Flow 2016				
Time	**Cars**	**Cycle Time (Minutes)**		
8:30 - 9:30	25			
9:30 - 10:00	198	9	12	
10:00 - 11:00	377	16	10	14
11:00-12:00	351	16	20	13
12:00-1:00	305	10	11	18
1:00-2:00	353	13	13	22
2:00-3:00	326	19	25	25
Total	1935	Cones set out to close event at 3:10		
		Average Cycle Time		15.6470588

Traffic Flow 2017				
Time	**Cars**	**Cycle Time (Minutes)**		
8:30 - 9:30	39			
9:30 - 10:00	85			

10:00 - 11:00	290			
11:00-12:00	160			
12:00-1:00	142			
1:00-2:00	132			
2:00-3:00	77			
Total	925	Cones set out to close event at 3:10		
		Average Cycle Time		#DIV/0!

Traffic Flow 2018				
Time	**Cars**	**Cycle Time (Minutes)**		
8:30 - 9:30	62			
9:30 - 10:00	143	16	15	13
10:00 - 11:00	378	12	12	11
11:00-12:00	254	10	9	7
12:00-1:00	217	3	5	4
1:00-2:00	178	4	5	5
2:00-3:00	122	5	4	7
Total	1354	Cones set out to close event at 3:10		
		Average Cycle Time		8.16666667

Traffic Flow 2019				
Time	**Cars**	**Cycle Time (Minutes)**		
8:00 - 9:00	185			
9:30	180	13	22	15
10:00	182	16	16	
10:30	151	12		
11:00	155	9	6	
11:30	108	6		
12:00	75	10	4	
12:30	90	6		
1:00	85			
1:30	75			
2:00	55			
Total	1341	Cones set out to close event at		
		Average Cycle Time		11.25

Traffic Flow 2018		
Time	**Cars**	**Cycle Time (Minutes)**
8:30 - 9:00	15	
9:00 - 10:00	190	15
10:00 - 11:00	378	12
11:00 - 12:00	254	9
12:00 - 1:00	217	4
1:00 - 2:00	178	5
2:00 - 3:00	122	5
Total	**1354**	Close event at 3:10
Average Cycle Time		**8**

Traffic Flow 2019	
Time	Cars
8:00 - 9:00	185
10:00	362
11:00	306
12:00	183
1:00	175
2:00	130
Total	1341

Budget Summary		
	2015 Budg	2015 Spent
Printing Flyers	$50	$0
Food & Drink	$400	$403
Sign Materials	$150	$0
Paper Shredding	$800	$585
Fire Extinguishers	$500	$0
Bulb Eater Can	$500	$0
Electronics Recycler	$0	$1,000
Total	$2,400	$1,988

Cost Summary 2017	
Oil & Antifreeze	$270
Food & Drink	$349
Paper Shredding	$1,022
Police Labor	
EPW Labor	$6,012
Total	$7,653

Cost Summary 2018	
Oil & Antifreeze	$280
Food & Drink	$342
Paper Shredding	$1,880
Porta Potty	$290
Supplies	$1,060
Police Labor	$1,665
EPW Labor	$8,014
Total	$13,531

Cost Summary 2019		April 13th Shred Event
Oil & Antifreeze	$23	
Food & Drink	$232	
Paper Shredding	$1,540	$820
Porta Potty	$155	
Supplies	$1,923	
Police Labor	$1,466	$514
EPW Labor	$6,266	$1,551
Total	$11,605	$2,885

Year	Cars	Shred in #
2017	320	9,700
2018	300	8540
2019	335	14,502

2019 Schaumburg Recycling Event (Spring)					
Material Collected	**Measurement**	**2017**	**2018**	**2019**	**Total since 2007**
Attendance	Number of cars	925	1,354	**1,341**	15,503
Electronics/Plastics	Weight in pounds	38,305	46,165	**47,045**	911,355
Document Shredding	Weight in pounds	21,683	23,930	**15,430**	185,543
Batteries - household	Weight in pounds	N/A	1,507	**2,481**	15,723
Batteries (lead acid - automotive)	Each	48	78	**65**	1,111
CFL bulbs	Weight in pounds	129	245	**203**	2,094
American Flags	Each	114	102	**74**	1,298
Eyeglasses	Pairs - Each	379	473	**465**	3,910
Fluorescent tubes	Each	249	455	**446**	3,026
Bikes	Each	23	40	**26**	372
Motor Oil/Antifreeze (gallons)	Gallons	230	275	**320**	4,633
Clothes/Textiles	Weight in pounds	2,587	2,507	**2,686**	26,048
Cell Phones	Each	116	609	**385**	2,813
Fire Extinguishers	Number of units	55	105	**74**	937
Books	Each	1,804	2,750	**2,775**	16,275
Vegetable Oil	Gallons	30	45	**25**	100

VILLAGE OF SCHAUMBURG

Fall Recycling Event

Saturday, Oct. 5
9AM–12PM

Boomer Stadium
West parking lot
1999 S. Springinsguth Rd.

ONSITE DOCUMENT DESCTRUCTION

Provided by DocuShred

- Schaumburg residents can bring up to two banker boxes per vehicle.
- Documents can be as is, no need to remove paper clips or staples.
- Spiral bound notebooks or binders will not be accepted.
- Document destruction will be available until the truck reaches capacity.

ELECTRONICS RECYCLING

Provided by Elgin Recycling

Items accepted include computers, small appliances, cell phones,electronic toys, copper wire and more.

Televisions and monitors will be recycled at the following prices. Cash or credit accepted onsite.

SIZE	RECYCLE FEE
TV/monitor under 21"	$25.00 each
TV/monitor over 21"	$35.00 each
LCD monitor	$15.00 each

LATEX AND OIL-BASED PAINT RECYCLING

Provided by Epaint Recycling Solutions

Latex and oil-based paints will be recycled at the following prices. Charges will be based on the type of can that is disposed, not on the amount of material in the can. Cash or credit accepted onsite.

SIZE	LATEX	OIL-BASED
1 quart	$1.00	$4.00
1 gallon can	$3.00	$8.00
5 gallon pail	$10.00	$20.00

For more information, visit www.schaumburg.com

VILLAGE OF SCHAUMBURG

PROGRESS THROUGH THOUGHTFUL PLANNING

AAC Auto Clinic 435 W. Wise Road Schaumburg IL 847-891-8700 **www.aacautoclinic.com**	*No*	*Yes*	*Yes*	*Yes*	*No*	*Yes*	*No*
Village of Schaumburg Engineering & Public Works 714 S. Plum Grove Rd Schaumburg, IL 60193	*No*	*No*	*No*	*No*	*Yes*	*No*	*Yes*
Napa Auto Parts 570 S Roselle Rd Schaumburg, IL 60193 (847) 352-2299	*No*	*No*	*No*	*No*	*No*	*Yes*	*No*
AutoZone 660 South Roselle Rd Schaumburg, IL 60193 (847) 891-6090	*No*	*Yes*	*No*	*No*	*No*	*No*	*No*
Firestone Complete Auto Care (847) 882-0020 1050 North Roselle Rd Schaumburg, IL 60195	*No*	*Yes*	*Yes*	*No*	*No*	*No*	*No*

May incur Charges, Call for Details

Fall Recycling Event Totals 2019							
	2014	**2015**	**2016**	**2017**	**2018**	**2019**	**Totals**
Paper							
Lbs of Paper	6,400	5,180	6,000	12,200	8,000	**11,900**	49,680
Paint							
Gallons of Latex Paint	0	1,321	1,998	899	1,013	**1,107**	6,338
Gallons of Oil-Based Paint	0	188	249	227	308	**N/A**	972
Total Gallons Collected	0	1,509	2,247	1,126	1,321	**1,107**	7,310
Electronics in lbs.	0	0	9,488	17,608	16,437	**15,994**	59,527
Total # of Cars	198	234	456	551	594	**539**	2,572

Car Make and Color	**In**	**Out**	**Time**
	9:00	9:19	18
	9:20	9:36	16
	9:30	9:45	15
	9:47	9:54	7
	10:00	10:04	4
	10:15	10:19	4
	10:30	10:40	10
	10:45	10:53	8
	11:00	11:03	3
	11:15	11:18	3
	11:30	11:35	5
	11:45	11:52	7
	12:00	12:02	2
		Avarage	8

Traffic Flow					
	2015	2016	2017	2018	2019
8:30					19
8:45		41		75	24
9:00	26	4		27	20
9:15		26		44	79
9:30	35	37		31	33
9:45		47		50	41
10:00	62	45		64	36
10:15		54		29	37
10:30		37		23	30
10:45		31		24	48
11:00	45	37		63	35
11:15		20		51	25
11:30	37	31		58	51
11:45		28		31	39
12:00	29	18		24	22
Total	234	456		594	539

2019 Fall Recycling Event

Car Attendance		Cycle Time		
8:30				
8:45				
9:00				
9:15				
9:30				
9:45				
10:00				
10:15				
10:30				
10:45				
11:00				
11:15				
11:30				
11:45				
12:00				
Total				

Car Make and Color	In	Out	Time
	9:00	9:19	18
	9:20	9:36	16
	9:30	9:45	15
	9:47	9:54	7
	10:00	10:04	4
	10:15	10:19	4
	10:30	10:40	10
	10:45	10:53	8
	11:00	11:03	3
	11:15	11:18	3
	11:30	11:35	5
	11:45	11:52	7
	12:00	12:02	2
		Avarage	8

Car Make and Color	In	Out	Time

Appendix C
BMP Section C

- 2014 MS4 Annual Report Year 1
- 2015 MS4 Annual Report Year 2
- 2016 MS4 Annual Report Year 3
- 2017 MS4 Annual Report Year 1
- 2018 MS4 Annual Report Year 2
- 2019 MS4 Annual Report Year 3

The Village of Schaumburg Engineering and Public Works Utility Division's continue to meet and exceed the requirements set forth by the Illinois Environmental Protection Agency. Access to the Annual Inspection Report and Notice of Intent is available for view on this webpage to ensure full compliance with the National Pollutant Discharge Elimination System (NPDES).

To report an illicit discharge, please contact 847-895-7100.

For more information, visit the NPDES Website

Watch these videos to learn some simple ways you can help prevent and control water pollution.

EXHIBIT COVER
HIGH RISK WATERSHEDS AND OUTFALL LOCATIONS
SCHAUMBURG, IL

A1 B1 C1 D1
A2 B2 C2 D2
A3 B3 C3 D3
A4 B4 C4 D4
A5 B5 C5 D5

Legend

Municipalities

- Other Municipalities
- Schaumburg

Subwatersheds

Zone (Risk)

- Business (Moderate Risk)
- Manufacturing (High Risk)
- Mixed-Use Multi-Modal (Moderate Risk)
- Residence (Low Risk)
- Drainage From Other Municipality (Not Applicable)

N
W E
S

ENGINEERING
RESOURCE ASSOCIATES

1 inch = 1,500 feet

0 750 1,500 3,000 4,500 6,000 Feet

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EXHIBIT A2
HIGH RISK WATERSHEDS AND OUTFALL LOCATIONS
SCHAUMBURG, IL

Legend

Municipalities
- Other Municipalities
- Schaumburg

Subwatersheds
Zone (Risk)
- Business (Moderate Risk)
- Manufacturing (High Risk)
- Mixed-Use Multi-Modal (Moderate Risk)
- Residence (Low Risk)
- Drainage From Other Municipality (Not Applicable)

Storm Sewer Network
- Storm Sewer
- Inlet
- Catch Basin
- Manhole
- Outfall

A1	B1	C1	D1
A2	B2	C2	D2
A3	B3	C3	D3
A4	B4	C4	D4
A5	B5	C5	D5

N
W E
S

ENGINEERING
RESOURCE ASSOCIATES

1 inch = 300 feet

0 150 300 600 900 1,200 Feet

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EXHIBIT A3
HIGH RISK WATERSHEDS AND OUTFALL LOCATIONS
SCHAUMBURG, IL

Legend

Municipalities
- Other Municipalities
- Schaumburg

Subwatersheds
Zone (Risk)
- Business (Moderate Risk)
- Manufacturing (High Risk)
- Mixed-Use Multi-Modal (Moderate Risk)
- Residence (Low Risk)
- Drainage From Other Municipality (Not Applicable)

Storm Sewer Network
- Storm Sewer
- Inlet
- Catch Basin
- Manhole
- Outfall

A1 B1 C1 D1
A2 B2 C2 D2
A3 B3 C3 D3
A4 B4 C4 D4
A5 B5 C5 D5

N
W E
S

ENGINEERING
RESOURCE ASSOCIATES

1 inch = 300 feet

0 150 300 600 900 1,200 Feet

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EXHIBIT A4
HIGH RISK WATERSHEDS AND OUTFALL LOCATIONS
SCHAUMBURG, IL

Legend

Municipalities
- Other Municipalities
- Schaumburg

Subwatersheds
Zone (Risk)
- Business (Moderate Risk)
- Manufacturing (High Risk)
- Mixed-Use Multi-Modal (Moderate Risk)
- Residence (Low Risk)
- Drainage From Other Municipality (Not Applicable)

Storm Sewer Network
- Storm Sewer
- Inlet
- Catch Basin
- Manhole
- Outfall

A1	B1	C1	D1
A2	B2	C2	D2
A3	B3	C3	D3
A4	B4	C4	D4
A5	B5	C5	D5

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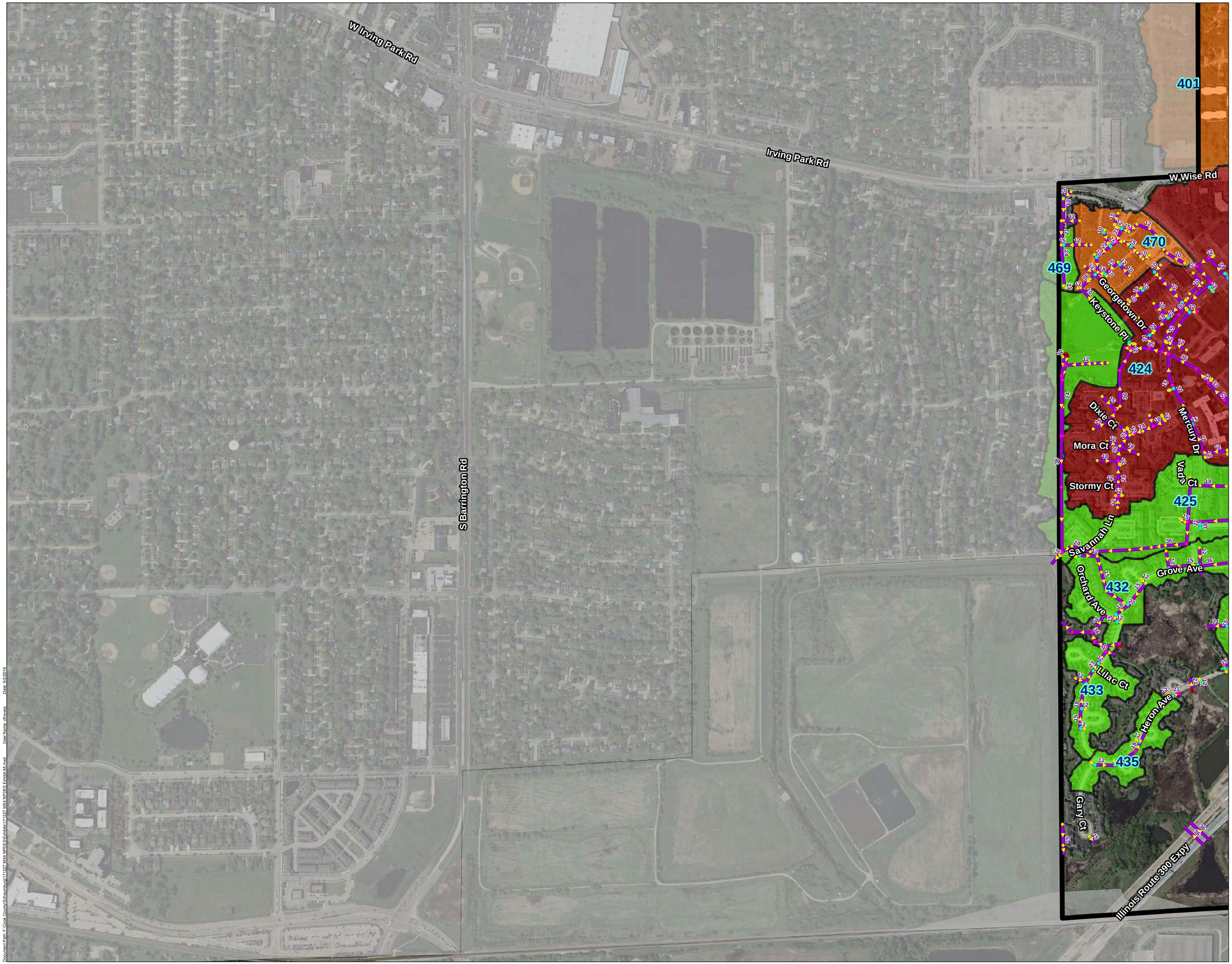
ENGINEERING RESOURCE ASSOCIATES

1 inch = 300 feet

0 150 300 600 900 1,200 Feet

Document Path: F:\Cook County\Schaumburg\17227 MS4 NPDES\Exhibits\17227 MS4 NPDES Exhibit A4.mxd User Name: dhoverp Date: 5/2/2019

EXHIBIT A5
HIGH RISK WATERSHEDS AND OUTFALL LOCATIONS
SCHAUMBURG, IL

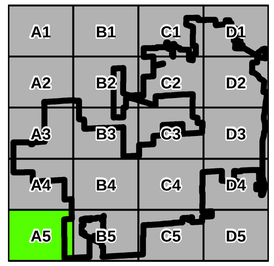


Legend

Municipalities
- Other Municipalities
- Schaumburg

Subwatersheds
Zone (Risk)
- Business (Moderate Risk)
- Manufacturing (High Risk)
- Mixed-Use Multi-Modal (Moderate Risk)
- Residence (Low Risk)
- Drainage From Other Municipality (Not Applicable)

Storm Sewer Network
- Storm Sewer
- Inlet
- Catch Basin
- Manhole
- Outfall



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ENGINEERING
RESOURCE ASSOCIATES

1 inch = 300 feet

0 150 300 600 900 1,200 Feet

Document Path: F:\Cook County\Schaumburg\171227 MS4 NPDES\Exhibits\171227 MS4 NPDES Exhibit A5.mxd User Name: dfrovarp Date: 5/2/2019

EXHIBIT B2
HIGH RISK WATERSHEDS AND OUTFALL LOCATIONS
SCHAUMBURG, IL

Legend

Municipalities

- Other Municipalities
- Schaumburg

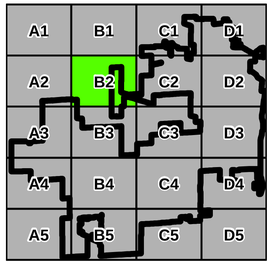
Subwatersheds

Zone (Risk)

- Business (Moderate Risk)
- Manufacturing (High Risk)
- Mixed-Use Multi-Modal (Moderate Risk)
- Residence (Low Risk)
- Drainage From Other Municipality (Not Applicable)

Storm Sewer Network

- Storm Sewer
- Inlet
- Catch Basin
- Manhole
- Outfall



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ENGINEERING
RESOURCE ASSOCIATES

1 inch = 300 feet

0 150 300 600 900 1,200 Feet

Document Path: F:\Cook County\Schaumburg\171227 MS4 NPDES\Exhibits\171227 MS4 NPDES Exhibit B2.mxd User Name: dhowarp Date: 9/2/2019

EXHIBIT B3
HIGH RISK WATERSHEDS AND OUTFALL LOCATIONS
SCHAUMBURG, IL

Legend

Municipalities

- Other Municipalities
- Schaumburg

Subwatersheds

Zone (Risk)

- Business (Moderate Risk)
- Manufacturing (High Risk)
- Mixed-Use Multi-Modal (Moderate Risk)
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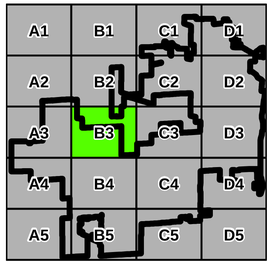
- Drainage From Other Municipality (Not Applicable)

Storm Sewer Network

- Storm Sewer
- Inlet
- Catch Basin
- Manhole
- Outfall



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ENGINEERING
RESOURCE ASSOCIATES

1 inch = 300 feet

0 150 300 600 900 1,200 Feet

Date: 9/2/2019
User Name: cfowarp
Document Path: F:\Cook County\Schaumburg\17-227 MS4 NPDES Exhibits\17-227 MS4 NPDES Exhibit B3.mxd

EXHIBIT B4
HIGH RISK WATERSHEDS AND OUTFALL LOCATIONS
SCHAUMBURG, IL

Legend

Municipalities

- Other Municipalities
- Schaumburg

Subwatersheds

Zone (Risk)

- Business (Moderate Risk)
- Manufacturing (High Risk)
- Mixed-Use Multi-Modal (Moderate Risk)
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A1	B1	C1	D1
A2	B2	C2	D2
A3	B3	C3	D3
A4	B4	C4	D4
A5	B5	C5	D5

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ENGINEERING
RESOURCE ASSOCIATES

1 inch = 300 feet

0 150 300 600 900 1,200 Feet

Date: 5/2/2019
User Name: dtrowp
Document Path: F:\Cook County\Schaumburg\17-1227 MS4 NPDES\Exhibits\17-1227 MS4 NPDES Exhibit B4.mxd

EXHIBIT B5
HIGH RISK WATERSHEDS AND OUTFALL LOCATIONS
SCHAUMBURG, IL

Legend

Municipalities
- Other Municipalities
- Schaumburg

Subwatersheds
Zone (Risk)
- Business (Moderate Risk)
- Manufacturing (High Risk)
- Mixed-Use Multi-Modal (Moderate Risk)
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- Outfall

A1	B1	C1	D1
A2	B2	C2	D2
A3	B3	C3	D3
A4	B4	C4	D4
A5	B5	C5	D5

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ENGINEERING
RESOURCE ASSOCIATES

1 inch = 300 feet

0 150 300 600 900 1,200 Feet

Document Path: F:\Cook County\Schaumburg\17-1227 MS4 NPDES\Exhibits\17-1227 MS4 NPDES Exhibit B5.mxd
User Name: dfrowrp
Date: 5/2/2019

EXHIBIT C1
HIGH RISK WATERSHEDS AND OUTFALL LOCATIONS
SCHAUMBURG, IL

Legend

Municipalities

- Other Municipalities
- Schaumburg

Subwatersheds

Zone (Risk)

- Business (Moderate Risk)
- Manufacturing (High Risk)
- Mixed-Use Multi-Modal (Moderate Risk)
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- Outfall

A1	B1	C1	D1
A2	B2	C2	D2
A3	B3	C3	D3
A4	B4	C4	D4
A5	B5	C5	D5

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ENGINEERING RESOURCE ASSOCIATES

1 inch = 300 feet

0 150 300 600 900 1,200 Feet

Document Path: F:\Cook County\Schaumburg\171227 MS4 NPDES\Exhibits\171227 MS4 NPDES Exhibit C1.mxd User Name: dhoxarp Date: 5/2/2019

EXHIBIT C2
HIGH RISK WATERSHEDS AND OUTFALL LOCATIONS
SCHAUMBURG, IL

Legend

Municipalities
- Other Municipalities
- Schaumburg

Subwatersheds
Zone (Risk)
- Business (Moderate Risk)
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- Manhole
- Outfall

A1 B1 C1 D1
A2 B2 C2 D2
A3 B3 C3 D3
A4 B4 C4 D4
A5 B5 C5 D5

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ENGINEERING
RESOURCE ASSOCIATES

1 inch = 300 feet

0 150 300 600 900 1,200 Feet

Document Path: F:\Cook County\Schaumburg\171227 MS4 NPDES\Exhibits\171227 MS4 NPDES Exhibit C2.mxd User Name: dhoang Date: 5/2/2019

EXHIBIT C3
HIGH RISK WATERSHEDS AND OUTFALL LOCATIONS
SCHAUMBURG, IL

Legend

Municipalities
- Other Municipalities
- Schaumburg

Subwatersheds
Zone (Risk)
- Business (Moderate Risk)
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A1	B1	C1	D1
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A3	B3	C3	D3
A4	B4	C4	D4
A5	B5	C5	D5

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ENGINEERING
RESOURCE ASSOCIATES

1 inch = 300 feet

0 150 300 600 900 1,200 Feet

Document Path: F:\Cook County\Schaumburg\17-1227 MS4 NPDES\Exhibits\17-1227 MS4 NPDES Exhibit C3.mxd User Name: dhnarp Date: 5/2/2019

EXHIBIT C4
HIGH RISK WATERSHEDS AND OUTFALL LOCATIONS
SCHAUMBURG, IL

Legend

Municipalities

- Other Municipalities
- Schaumburg

Subwatersheds

Zone (Risk)

- Business (Moderate Risk)
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A2	B2	C2	D2
A3	B3	C3	D3
A4	B4	C4	D4
A5	B5	C5	D5

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ENGINEERING RESOURCE ASSOCIATES

1 inch = 300 feet

0 150 300 600 900 1,200 Feet

Date: 5/2/2019

User Name: dhowarp

Document Path: F:\Cook County\Schaumburg\171227 MS4 NPDES\Exhibits\171227 MS4 NPDES Exhibit C4.mxd

EXHIBIT C5
HIGH RISK WATERSHEDS AND OUTFALL LOCATIONS
SCHAUMBURG, IL

Legend

Municipalities

- Other Municipalities
- Schaumburg

Subwatersheds

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- Manhole
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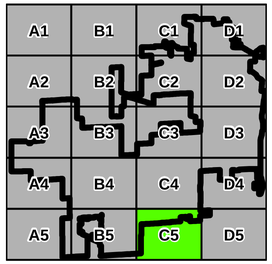

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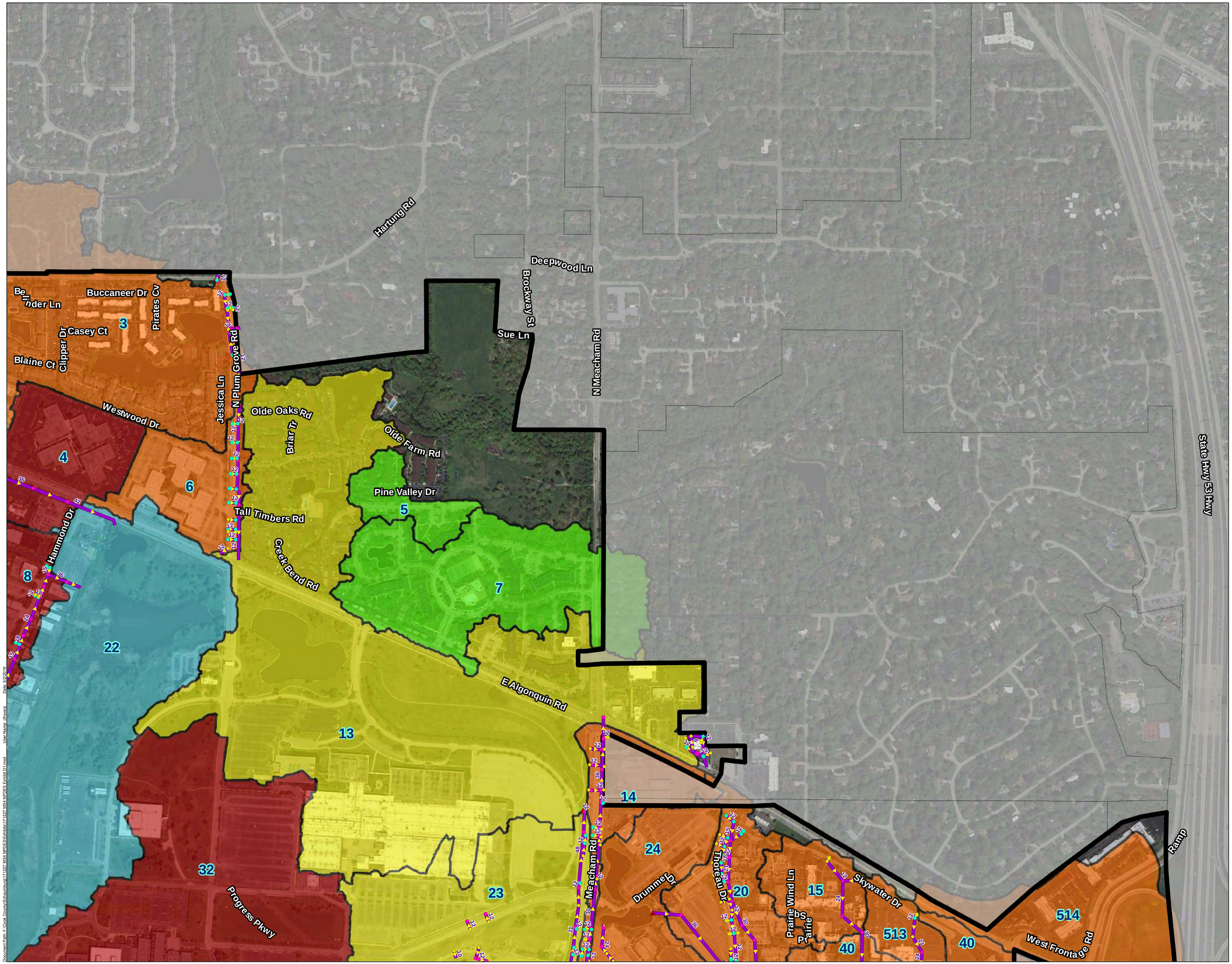
ENGINEERING
RESOURCE ASSOCIATES

1 inch = 300 feet

0 150 300 600 900 1,200 Feet

Document Path: F:\Cook County\Schaumburg\171227 MS4 NPDES\Exhibits\171227 MS4 NPDES Exhibit C5.mxd User Name: dhovarp Date: 5/2/2019

EXHIBIT D1
HIGH RISK WATERSHEDS AND OUTFALL LOCATIONS
SCHAUMBURG, IL



Legend

Municipalities

- Other Municipalities
- Schaumburg

Subwatersheds

Zone (Risk)

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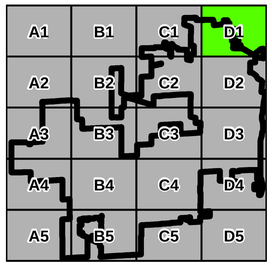

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ENGINEERING
RESOURCE ASSOCIATES

1 inch = 300 feet

0 150 300 600 900 1,200 Feet

Document Path: F:\Civil\ County\Schaumburg\171227 MS4 NPDES\Exhibits\171227 MS4 NPDES Exhibit D1.mxd User Name: dhovarp Date: 5/2/2019

EXHIBIT D2
HIGH RISK WATERSHEDS AND OUTFALL LOCATIONS
SCHAUMBURG, IL

Legend

Municipalities

- Other Municipalities
- Schaumburg

Subwatersheds

Zone (Risk)

- Business (Moderate Risk)
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A1	B1	C1	D1
A2	B2	C2	D2
A3	B3	C3	D3
A4	B4	C4	D4
A5	B5	C5	D5

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ENGINEERING
RESOURCE ASSOCIATES

1 inch = 300 feet

0 150 300 600 900 1,200 Feet

Date: 5/2/2019
User Name: dfroehlich
Document Path: F:\Cook County\Schaumburg\171227 MS4 NPDES\Exhibits\171227 MS4 NPDES Exhibit D2.mxd

EXHIBIT D3
HIGH RISK WATERSHEDS AND OUTFALL LOCATIONS
SCHAUMBURG, IL

Legend

Municipalities

- Other Municipalities
- Schaumburg

Subwatersheds

Zone (Risk)

- Business (Moderate Risk)
- Manufacturing (High Risk)
- Mixed-Use Multi-Modal (Moderate Risk)
- Residence (Low Risk)
- Drainage From Other Municipality (Not Applicable)

Storm Sewer Network

- Storm Sewer
- Inlet
- Catch Basin
- Manhole
- Outfall

A1	B1	C1	D1
A2	B2	C2	D2
A3	B3	C3	D3
A4	B4	C4	D4
A5	B5	C5	D5

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ENGINEERING
RESOURCE ASSOCIATES

1 inch = 300 feet

0 150 300 600 900 1,200 Feet

Date: 5/2/2019

User Name: dhovarp

Document Path: F:\Cook County\Schaumburg\171227 MS4 NPDES\Exhibits\171227 MS4 NPDES Exhibit D3.mxd

EXHIBIT D4
HIGH RISK WATERSHEDS AND OUTFALL LOCATIONS
SCHAUMBURG, IL

Legend

Municipalities

- Other Municipalities
- Schaumburg

Subwatersheds

Zone (Risk)

- Business (Moderate Risk)
- Manufacturing (High Risk)
- Mixed-Use Multi-Modal (Moderate Risk)
- Residence (Low Risk)
- Drainage From Other Municipality (Not Applicable)

Storm Sewer Network

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- Inlet
- Catch Basin
- Manhole
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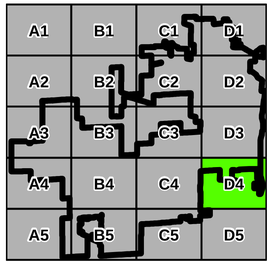

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ENGINEERING
RESOURCE ASSOCIATES

1 inch = 300 feet

0 150 300 600 900 1,200 Feet

Document Path: F:\Cook County\Schaumburg\17-1227 MS4 NPDES\Exhibits\17-1227 MS4 NPDES Exhibit D4.mxd User Name: dRovarp Date: 5/2/2019

EXHIBIT D5
HIGH RISK WATERSHEDS AND OUTFALL LOCATIONS
SCHAUMBURG, IL

412

Legend

Municipalities

- Other Municipalities
- Schaumburg

Subwatersheds

Zone (Risk)

- Business (Moderate Risk)
- Manufacturing (High Risk)
- Mixed-Use Multi-Modal (Moderate Risk)
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Storm Sewer Network

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A1	B1	C1	D1
A2	B2	C2	D2
A3	B3	C3	D3
A4	B4	C4	D4
A5	B5	C5	D5

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ENGINEERING
RESOURCE ASSOCIATES

1 inch = 300 feet

0 150 300 600 900 1,200 Feet

Document Path: F:\Cook County\Schaumburg\17-1227 MS4 NPDES\Exhibits\17-1227 MS4 NPDES Exhibit D5.mxd User Name: dfrowrp Date: 5/2/2019

Village of Schaumburg

Illicit Discharge Investigation Tracking Sheet

Responder information:

Call taken by:	Call date:
Call time:	48 Hour precipitation: . Inches

Reporter information:

Incident time:	Incident date:
Caller contact information (if available):	

Incident Location:

Lattitude/Longitude:			
Stream mile marker or outfall number:			
Nearest address or intersection:			
Landmark or other identifier:			
Discharge location:	Other location information:		
☐ Stream corridor	☐ Outfall	☐ In-stream	☐ On banks
☐ Upland area	☐ Near storm drain	☐ Other water resource (wetland, detention basin, pond, etc.)	
Description of location:			

Upland area problem indicator description:

☐ Trash/Waste	☐ Oil/Solvents/Chem.	☐ Organic (food/grease/etc.)
☐ Suds/Detergents	☐ Sewage	☐ Other:

Stream corridor problem indicator description:

Odor	☐ None	☐ Sewage	☐ Oil/Gas/Petroleum
	☐ Sulfur/Rotten Eggs	☐ Rancid/Sour	☐ Chemical/Astringent
	☐ Fragrant/Detergent	☐ Other:	
Appearance	☐ "Normal"	☐ Oil sheen	☐ Cloudy/Milky
	☐ Sudsy	☐ Other:	
Floatables	☐ None	☐ Sewage/Toilet paper	☐ Algae
	☐ Dead Animals	☐ Other:	
Narrative description of problem indicators:			
Suspected violator (name, personal or vehicle description, license plate#, address, etc.):			

Investigation Notes:	
Initial investigation date:	Investigators:
☐ No investigation performed	Reason:
☐ Referred to other agency/department	Agency/department:
☐ Investigated: no action necessary	Reason:
☐ Investigated: requires action	Decription of actions:
Hours between call and investigation:	
Hours to close incident:	Date case closed:

Tracking information:	
Map(s)/other visual information used (GIS, GPS, map panel):	
Sample collection locations:	Number of samples collected:
Upstream extent of discharge:	Change in discharge (consistency/concentration):
☐ Photos taken	☐ Mark ups saved to map
Methods of investigation used to track suspected illicit discharge (Smoke test, dye, visual, camera, etc.):	
Source identified? Y / N	
If yes:	Source address or other location:
	Describe source of discharge:
If no:	Explain

Follow up information:	
☐ Notify zoning/planning official	☐ Schedule reinspection pending repairs
Y / N Has discharge been eliminated?	Explain methods used to confirm discharge elimination:
Follow up actions taken (fines, injunction, etc.):	
Staff performing follow up:	Date of follow up inspection:

Containment:
Distance between clean sample and outfall (indicate units):
Time between arrival on scene and containment (in hours):
Probable source of discharge (accidental/intentional):

ANNUAL PUBLIC WORKS EMPLOYEE MS4 TRAINING:

VILLAGE OF SCHAUMBURG
MARCH 6, 2019

Prepared by Engineering Resource Associates, Inc.

In this presentation…

- Define key terms such as; NPDES, MS4, MCM, and BMP;
- Discuss the MCM components relating to Public Works;
- Discuss concepts relative to stormwater runoff and water quality;
- Identify aspects of the MCMs that Public Works may be responsible for;
- Discuss the plans and procedures associated with these elements.

Key Terms: What is NPDES?

- A Program created by USEPA to address water pollution by regulating sources known to discharge into waters of the United States;
- NPDES program defines rules that act to regulate sources of pollution in an effort to protect the Nation's natural waterways;
- Created in 1972 by the Clean Water Act, the USEPA authorized state governments to perform many administrative aspects of the NPDES program such as permitting and enforcement;
- NPDES rules were implemented in phases that targeted different point sources such as wastewater treatment plants and then non-point source contributors like communities such as the Village of Schaumburg.

NPDES: National, Pollutant, Discharge, Elimination, System

Key Terms: What is MS4?

MS4: Municipal, Separate, Storm, Sewer, System

Key Terms: What is MCM?

- A key element of a MS4 Stormwater management program made of 6 categories that, when combined, are expected to result in significant pollutant discharge reduction in local waterways;
- Each of the 6 categories include Best Management Practices which are made up of regulations, requirements, and activities to be enforced and undertaken by the Village.

MCM: Minimum, Control, Measure

Key Terms: What is a BMP?

- Schedule of activities, prohibitions of practices, maintenance procedures, and other management practices to prevent or reduce pollution in wetlands and Waters of the United States
- Can be incorporated into almost any part of the stormwater cycle;
- Fit well into any green infrastructure narratives and Village Master Plans;
- Can be structural like a hydrodynamic separator, biological such as vegetated detention basins, or ideological like Public Outreach and training employees;
- In the long term, they are much less expensive than additional water treatment plants and can be incorporated into existing open space and development projects.

BMP: Best, Management, Practice

Why does this matter?

- Precipitation falls on all areas throughout the Village (i.e. industrial and commercial areas, neighborhoods, roadways, parks, etc.)
- This precipitation leads to stormwater runoff.
- Stormwater runoff picks up and carries pollutants to our waterways.

Why does this matter?

- Non-point source pollution
  - Leading cause of water quality problems in the US according to USEPA[1].
  - A combination of small contributors adds up in a large way.
  - Cannot be solved by one individual, group effort is a must!

[1]U.S. Environmental Protection Agency. National Water Quality Inventory: Report to Congress, 2002 Reporting Cycle: Findings, Rivers and Streams, and Lakes, Ponds and Reservoirs. Available at http://www.epa.gov/305b/2002report/report2002pt3.pdf

The Village must implement 6 MCMs

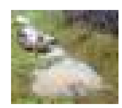
MCM 1:	Outreach & Public Education
MCM 2:	Public Participation & Involvement
MCM 3:	Illicit Discharge Detection & Elimination
MCM 4:	Construction Site Runoff & Control
MCM 5:	Post-Construction Runoff Control
MCM 6:	Pollution Prevention & Good Housekeeping

= These areas are most relevant to Public Works employees

MCM #3: Illicit Discharge Detection & Elimination

Current Activities:

- Update GIS Sewer Maps as necessary and install outfall number markers
- Enforce Village Code for illicit discharge violations
- Participate in the DuPage River Salt Creek Workgroup stream monitoring program
- Perform dry-weather outfall inspections
- Provide phone number for illicit discharge reporting on Village website.
  - Call (847) 895-7100 to report
- Identify high risk outfalls and procedures for source tracing and spill response
  - To be recorded on the new Illicit Discharge Tracking Sheet



Tracking & Recording Illicit Discharges

Step 1: Seeking out illicit discharges in the field.

- Detection by reporting hotline or from regular inspections;
- Perform outfall inspection;
- Record all relative information onto the discharge tracking sheet.

Illicit Discharge Tracking Sheet

Illicit Discharge Investigation Tracking Sheet

Responder information:	
Call taken by:	Call date:
Call time:	48 Hour precipitation: . Inches
Reporter information:	
Incident time:	Incident date:
Caller contact information (if available):	
Incident Location:	
Lattitude/Longitude:	
Stream mile marker or outfall number:	
Nearest address or intersection:	
Landmark or other identifier:	
Discharge location:	Other location information:
☐ Stream corridor	☐ Outfall ☐ In-stream ☐ On banks
☐ Upland area	☐ Near storm drain ☐ Other water resource (wetland, detention basin, pond, etc.)
Description of location:	

Upland area problem indicator description:			
	☐ Trash/Waste	☐ Oil/Solvents/Chem.	☐ Organic (food/grease/etc.)
	☐ Suds/Detergents	☐ Sewage	☐ Other:
Stream corridor problem indicator description:			
Odor	☐ None	☐ Sewage	☐ Oil/Gas/Petroleum
	☐ Sulfur/Rotten Eggs	☐ Rancid/Sour	☐ Chemical/Astringent
	☐ Fragrant/Detergent	☐ Other:	
Appearance	☐ "Normal"	☐ Oil sheen	☐ Cloudy/Milky
	☐ Sudsy	☐ Other:	
Floatables	☐ None	☐ Sewage/Toilet paper	☐ Algae
	☐ Dead Animals	☐ Other:	
Narrative description of problem indicators:			
Suspected violator (name, personal or vehicle description, license plate#, address, etc.):			

Tracking & Recording Illicit Discharges

Step 2: Isolating and correcting individual discharges.

- Utilize five basic tools to correct illicit discharges:
  - Drainage Area Investigation
  - Trunk Investigations
  - On-Site Discharge Investigations
  - Correction and Enforcement

Illicit Discharge Tracking Sheet

Investigation Notes:	
Initial investigation date:	Investigators:
☐ No investigation performed	Reason:
☐ Referred to other agency/department	Agency/department:
☐ Investigated: no action necessary	Reason:
☐ Investigated: requires action	Description of actions:
Hours between call and investigation:	
Hours to close incident:	Date case closed:
Tracking information:	
Map(s)/other visual information used (GIS, GPS, map panel):	
Sample collection locations:	Number of samples collected:
Upstream extent of discharge:	Change in discharge (consistency/concentration):
☐ Photos taken	☐ Mark ups saved to map
Methods of investigation used to track suspected illicit discharge (smoke test, dye, visual, camera, etc.):	
Source identified? Y / N	
If yes:	Source address or other location:
	Describe source of discharge:
If no:	Explain:

Follow up information:	
☐ Notify zoning/planning official	☐ Schedule reinspection pending repairs
Y / N (Has discharge been eliminated?	Explain methods used to confirm discharge elimination:
Follow-up actions taken (fines, injunction, etc.):	
Staff performing follow-up:	Date of follow-up inspection:
Containment:	
Distance between chain sample and outfall (indicate units):	
Time between arrival on scene and containment (in hours):	
Probable source of discharge (accidental/intentional):	

Tracking & Recording Illicit Discharges

Step 3: Preventing Illicit Discharges

- Proactive collection of HHW (household hazardous waste) such as batteries, used oil, paint, or other solvents and cleaners. Collected through organized drives in Schaumburg.
- Conduct outreach to local businesses who may be discharging without knowing. Instances can include leaky dumpsters, poorly sealed swimming pools, excessive landscape fertilizer, etc.
- Increased prevention and response efforts and training to improve reaction time and effectiveness.

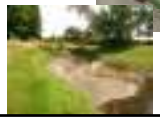
MCM #4: Construction Site Stormwater Runoff Control

Current Activities

- Enforce various Village ordinances:
  - Village Floodplain, Subdivision Control, and Wetland Protection Ordinance
  - MWRD WMO requirements
- Permit Reviews
- Routine inspections
- Enforcement action
- Citizen complaint process
- Village Projects

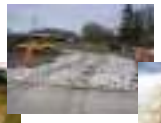
MCM #4 Concepts

- Erosion, Sediment, and Sedimentation. Know the difference;
  - Erosion (Cause): The process of soil particle detachment from the land surface, by the forces of wind, water, or gravity.
  - Sediment: After the soil particles have been detached (eroded), the suspended soil particles in transport are referred to as Sediment.
  - Sedimentation (Effect): Occurs when the velocity of wind or water is slowed sufficiently enough to allow the suspended sediment to settle out.



MCM #4: Construction Site Stormwater Runoff Control Practices

- Some aspects unique to construction sites require specific responses: Stabilized temporary entrances, vehicle washout stations, temporary erosion control measures designed for short-term use, etc.



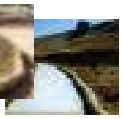
Entrance/Exit Controls

- Temporary Stabilized Construction Access
  - Used when road access through paved or stabilized surface is unavailable;
  - Removed upon final stabilization;
  - Is primarily a sediment control practice.
- Tire Wash Station & Concrete Washout
  - Secondary measure to stabilized temporary entrance used to prevent contamination of work site and areas adjacent to work sites.
  - A designated concrete washout contains concrete from washing out following paving.

Perimeter Controls

- Silt Fence
  - Is primarily a sediment control practice
  - Used to prevent sediment from leaving the site;
  - Must be trenched in to function properly;
  - Removed upon final stabilization.

- Rolled Barriers
  - Secondary measure to Silt Fence;
  - Can be used along slopes to prevent erosion;
  - Often used where it is difficult to install silt fence.



Inlet Protection

- Primarily a sediment control practice;
- First line of defense against sediment leaving the construction site;
- Generally consist of physical barriers and are not designed to capture suspended solvents, grease, or oil.

Ditch Checks

- Used to slow surface runoff in areas of concentrated flow to prevent rill and gully formation, and disrupt sheet flow across open bare areas;
- Slowing water in instances of concentrated flow also allows suspended sediment to settle out.
- Generally a temporary measure until the area can be permanently stabilized.

Can be made of fiber rolls, stone, or other non-erodible material and is useful for sediment and erosion control

Permanent Stabilization

- The final step in completing a project:
  - Completed within 14 days of final grade;
  - Can be achieved through combination of erosion control blanket and seed or sod.

MCM #5: Post Construction Stormwater Management

Current Activities:

- Village Biodiversity Plan and Comprehensive Green Action Plan
- Enforcement of MWRD WMO requirements for Post Construction Best Management Practices

Post-Construction Stormwater Management

- Basin Maintenance
  - Lesser maintenance, such as debris removal and control structure monitoring is performed by public works staff annually;
  - Vegetative maintenance (weed spraying, mowing, burning) and other intensive work (erosion mitigation) is performed by a landscape contractor.

Detention Basins Inspected

Project Name	Storm Water Detention Project 2017		Type Of Storage						Restrictor Type and Size				
MWRD 1981-1989	Address	Contact	Runoff	Surface	Dry Basin	Wet Basin	Storm Vault	Open Cells	Water Quality	Restrictor Pipe	Restrictor Plate	Other	MWRD Permit No	Last Inspected
Children&Teens Medical Ctr	1701 Wiese Rd. Schaumburg, 60193	Michael R. O'Donell			X					2"			81-202	8/18/12 8/1/17
Sellstrom Manufacturing Co.	2650 Hammond Dr. Schaumburg, 60173	Nicole Hrebel John Hancock Real Estate 1475 E. Woodfield Rd. Suite100 Schaumburg, 60173				X				2"			81-235	6/5/12 10/3/17
Vinakom Communication	880 Remington Rd. Schaumburg, 60173	Kelu Amin								2.5"			81-246	5/21/12 7/13/17
Days Inn & Suites	1720 E. Higgins Rd. Schaumburg, 60173	Mark Chlopek								4"			81-339	5/9/12 7/12/17
Deerfield's Bakery	25 S. Roselle Rd. Schaumburg,60193	Kurt Schmitt								2"			81-340	6/2/12 8/15/17
Hilltop Professional Plaza	630 E. Higgins Rd. Schaumburg, 60173	Nancy Savard								4"			81-448	5/29/12 8/8/17
Close Robotic Welding Inc.	911 Albion Ave. Schaumburg, 60193	Vanto Payne								3"			82-205	5/1/12 8/8/17
Quality Inn	630 Meringale Rd. Schaumburg, 60173	Jack Cone								4"			82-313	5/9/12 7/20/17
Rad Lobster	800 E. Golf Rd. Schaumburg, 60173	Wally Anderson								4"			82-321	5/9/12 7/18/17
Patrick Cadillac	525 Mall Dr. Schaumburg, 60173	Harley Clawson								3"			82-324	6/18/12 7/13/17
Blaco Dental Products	1100 W. Irving Park Rd. Schaumburg, IL 60193	Andrew Swanicki	X		X								81-352	6/2/12 10/2/2017
College Hill Association	2756 College Hill Dr. Schaumburg, 60173	Mr. Charles Bean				X				7.5"			82-382	5/7/12 8/31/17
Gatewood Condos	Alma Property Mgmt 890 E. Higgins Rd. Schaumburg,I 60173 Suite 154	Lillian Blankenburg				X				15"			83-520	5/7/12 8/18/17
United Woodworking Inc.	729 Lunt Ave. Schaumburg, 60193	Stanley Chraca								2.5"			84-169	5/1/12 8/9/17

Detention Basin Inspection Form

Stormwater Detention Basin Inspection Checklist

Inspector:	Basin:
Previous Inspection Date:	Date of inspection:
Corrective Actions Required (from previous visit)? Y / N	Corrective Actions Completed? Y / N

Inspection Item	Yes	No	Notes/Follow-up Remarks
General Observations			
1) Received reports/complaints about basin?			
2) Does stormwater remain in the basin for greater than 72 hours following a storm?			
3) Is vegetation in the basin dominated by non-native or invasive species? (cattail, phragmites,			
4) Is water "Short-Circuiting" the basin by entering and exiting without coming into contact with vegetated areas or is inlet directly adjacent to outlet?			
Basin Inlets (structures conveying water into the basin)			
1) Signs of breakage, damage, or corrosion?			
2) Excess debris or sediment accumulation around the inlet?			
3) Signs of erosion, scour, or gullies, undercut embankments, washed out or bare soil around or relative to inlet structure?			
4) Tree roots or woody vegetation growing near or through inlet structure?			
5) If the inlet has a pretreatment structure (trash rack/forebay), is it filled with debris or sediment?			

Basin (Includes side slopes, both interior and exterior, as well as basin bottom and rock or berms)			
1) Accumulation of litter or debris in the basin?			
2) Exposed earth visible or bare areas of dead vegetation?			
3) Excess sediment accumulation?			
4) Basin walls/embankment eroded, slumping, or easing in?			
Outlet (Conveys water out of the basin)			
1) Breakage, damage, or corrosion apparent?			
2) Evidence of erosion present? Scour, gullies, dripped soil, or undercut?			
3) Debris or sediment accumulation around pipe?			
4) Tree roots or woody vegetation growing near or through outlet structure?			

Detention Basin Inspection Form

Inspection Item	Yes	No	Notes/Follow-up Remarks
Emergency Overflow			
1) Are pipes, conduits, or conveyances free from debris and clogs?			
2) Large trees or woody shrubs growing in proximity of conveyance with potential to crack structure or disrupt flow?			
3) Erosion, scour, or gullies, undermined or undercut earth embankments; exposed dirt, worn vegetation, soil washout, or disturbance around the spillway?			
Basin Outfall Area (location outside the basin where stormwater exits, may include receiving waterway			
1) Signs of stormwater exiting the basin in an uncontrolled manner? (over berms or through outside walls)			
2) Erosion, scour, or gullies, undermined or undercut earth embankments; exposed dirt, worn vegetation, soil washout, or disturbance around or downslope of the outfall?			

Corrective Actions	
Inspection Item/Deficiency	Corrective Action(s) Taken
Corrected by:	Date of Correction:

MCM #6: Pollution Prevention & Good Housekeeping

Current Activities:

- Training with Engineering & Public Works Good Housekeeping & Pollution Prevention powerpoint;
- MWRD creek inspection & maintenance program;
- Village Street Sweeping, annual catch basins cleaning and cleaning adjacent to construction projects;
- Hot Spot Patrol and Inlet Cleaning Program;
- Village Severe Weather Emergency Plan;
- Storm sewer repair and maintenance projects;
- Partnership with Park District to maintain detention basins with Village inspections; and
- Staff Attendance at pollution prevention for MS4 communities workshop.

Good Housekeeping

- Proper storage of chemicals:
  - Keep cleanup kits nearby and know how to use them
  - Know where safety sheets are stored;
  - Routine cleanout of chemical storage and inspection of old materials to check for corrosion and expiration.

Good Housekeeping

- Road Salt: Can contribute to polluted waterways and impact local wildlife/flora, and is naturally corrosive on infrastructure
  - Store away from exposure to the elements and out of the floodplain;
  - Can be substituted with other .

Good Housekeeping

- Vehicle Maintenance: Can result in spilled chemicals, release of aerosols, and leftover sediment consisting of rusted metal and corrosive chemicals
  - Maintain all vehicles in designated maintenance areas
  - Used Oil:
    - Appropriate oils can be re-refined and recycled. Store in drums until ready for transport to approved recycling centers.
    - Not fit for recycling – Waste Oil, Vegetable and animal based oils, Antifreeze and Kerosene, Petroleum Distillate.
- Vehicle Washing: Similar to vehicle maintenance, but often pollutants are washed into storm sewers as part of cleanup procedures
  - Wash all vehicles in designated wash stations.

Good Housekeeping

- Parking Lots: Can act as a catch-all for anything that may fall off of or out of a vehicle. Includes leaking chemicals like oil and gas, sediment like dirt or salt, and trash like fast food packaging or plastic waste, as well as the above-mentioned pollutants. Parking lots generally connect directly to storm sewers and can contribute greatly to sediment loading and waterway contamination.
  - Pre-treatment options such as rain garden or vegetated swales will allow for removal of large particulate and some suspended chemicals through pre-treatment;
  - Lots should be swept regularly to prevent sediment and debris from washing into storm drains.

Good Housekeeping

- Coal Tar: used to seal asphalt, specifically driveways and parking lots.
  - Can be replaced with an asphalt-based sealer for instances where price is a limiting factor; or
  - Replaced completely by using alternative paving options like concrete or permeable pavers.

Good Housekeeping

Proper Materials Disposal

- Cell Phones:
  - Consider donating working phones;
  - Are prone to fire and explosion when crushed due to lithium batteries.
  - Dispose of phones in accepting tech shops or accredited recycling locations.
- Batteries:
  - Alkaline & Carbon Zinc – can be disposed of in normal bins in small amounts. Be sure to cover 9 volt leads with tape to prevent hazards. Large amounts should be taken to a disposal center.
  - Lead-Acid & Nickel-Cadmium – Can often be returned to retailer, must be disposed of at a proper waste disposal site otherwise.
  - Lithium & Lithium-Ion – Found in phones, laptops, and other small appliances. Must be disposed of in battery recycling centers.
- Light Bulbs:
  - Fluorescent bulbs can be recycled. Be sure to repackage in original containers to prevent breakage and release of chemicals from broken bulbs.

Good Housekeeping

- Street Sweeping (completed by contractor)
  - Reduce strain on existing stormwater infrastructure;
  - Proactive measure reduces work load in the future due to reduced sediment loading;
  - Keep track of repeatedly troubled areas, also known as a "hot spot";
  - Increase street sweeping operations near construction sites;
  - Store in proper location in yard and dispose of properly.

Good Housekeeping

- Storm Sewer Maintenance:
  - Regular maintenance activities can include:
    - Cleaning out catch basins following storm events or large volume snowmelt;
    - Routine inspection during dry weather for illicit dumping as well as structural concerns.

Good Housekeeping

- Facility Inspection

Good Housekeeping

- Facility Inspection

ENGINEERING
RESOURCE ASSOCIATES

Questions?

§ 51.032 - PROHIBITED DISCHARGES.

No person shall discharge or cause to be discharged any of the following described waters or wastes to any public sewers:

(A) Any gasoline, benzene, naphtha, fuel oil, or any other flammable or explosive liquid, solid, or gas.

(B) Any waters or wastes containing toxic or poisonous solids, liquids, or gases in sufficient quantity, either singly or by interaction with other wastes, to injure or interfere with any sewage treatment process, constitute a hazard to humans or animals, create a public nuisance, or create any hazard in the receiving waters of the sewage treatment plant.

(C) Any waters or wastes having a pH lower than 5.5 or having any other corrosive property capable of causing damage or hazard to structures, equipment, and personnel of the sewage works.

(D) Solid or viscous substances in quantities or of such size capable of causing obstruction to the flow in sewers, or other interference with the proper operation of the sewage works such as, but not limited to, ashes, cinders, sand, mud, straw, shavings, metal, glass, rags, feathers, tar, plastics, wood, unground garbage, whole blood, paunch manure, hair and fleshings, entrails and paper dishes, cups, milk containers, and the like, either whole or ground by garbage grinders.

(Ord. 2360, passed 4-24-1984)

§ 51.033 - SUBSTANCES WHICH MAY BE PROHIBITED AT OPTION OF VILLAGE.

No person shall discharge or cause to be discharged the following described substances, materials, waters, or wastes if it appears likely in the opinion of the village that such wastes can harm either the sewer's sewage treatment process or equipment; have an adverse effect on the receiving stream; or can otherwise endanger life, limb, public property, or constitute a nuisance. In forming the opinion as to the acceptability of these wastes, the village will give consideration to such factors as the quantities of subject wastes in relation to flows and velocities in the sewers, materials of construction of the sewer, nature of the sewage treatment process, capacity of the sewage treatment plant, degree of treatability of wastes in the sewage treatment plant, and maximum limits established by regulatory agencies. The substances prohibited are:

(A) Any liquid or vapor having a temperature higher than one hundred fifty degrees Fahrenheit (150°F) (65°C).

(B) Any waters or wastes containing toxic or poisonous materials, or oils, whether emulsified or not, in excess of one hundred milligrams per liter (100 mg/l) or containing substances which may solidify or become viscous at temperatures between thirty two degrees Fahrenheit (32°F) and one hundred fifty degrees Fahrenheit (150°F) (0°C and 65°C).

(C) Any garbage that has not been properly shredded. The installation and operation of any garbage grinder equipped with a motor of three-fourths ($^{3}/_{4}$) horsepower (0.76 hp metric) or greater shall be subject to the review and approval of the village.

(D) Any waters or wastes containing strong acid, iron pickling wastes, or concentrated plating solution whether neutralized or not.

(E) Any waters or wastes containing iron, chromium, copper, zinc, or similar objectionable or toxic substances, or wastes exerting an excessive chlorine requirement, to such degree that any such material received in the composite sewage at the sewage treatment works exceeds the limits established by the village for such materials.

(F) Any waters or wastes containing phenols or other taste or odor producing substances, in such concentrations exceeding limits which may be established by the village as necessary after treatment of the composite sewage, to meet the requirements of the state, federal, or other public agencies or jurisdiction for such discharge to the receiving waters.

(G) Any radioactive wastes or isotopes of such half-life or concentration as may exceed limits established by the village in compliance with applicable state or federal regulations.

(H) Any wastes or waters having a pH in excess of 9.5.

(I) Any mercury or any of its compounds in excess of 0.0005 milligrams per liter as Hg at any time except as permitted by the village in compliance with applicable state and federal regulations.

(J) Any cyanide in excess of 2.0 milligrams per liter at any time except as permitted by the village in compliance with applicable state and federal regulations.

(K) Materials which exert or cause:

(1) Unusual concentrations of inert suspended solids (such as, but not limited to, fuller's earth, lime slurries, and lime residues) or of dissolved solids (such as, but not limited to, sodium chloride and sodium sulfate);

(2) Excessive discoloration (such as, but not limited to, dye wastes and vegetable tanning solutions);

(3) Unusual BOD, chemical oxygen demand, or chlorine requirements in such quantities as to constitute a significant load on the sewage treatment works;

(4) Unusual volume of flow or concentrations of wastes constituting "slugs" as defined herein.

(L) Waters or wastes containing substances which are not amenable to treatment or reduction by the sewage treatment processes employed, or are amenable to treatment only to such degree that the sewage treatment plant effluent cannot meet the requirements of agencies having jurisdiction over discharge to the receiving waters.

(Ord. 2360, passed 4-24-1984)

§ 51.034 - AUTHORITY OF VILLAGE TO REJECT CERTAIN DISCHARGES, REQUIRE PRETREATMENT OR THE LIKE.

(A) If any waters or wastes are discharged or are proposed to be discharged to the public sewers, which waters contain the substances or possess the characteristics enumerated in section 51.033 of this chapter, and/or which are in violation of the standards for pretreatment provided in 40 CFR 403, January 28, 1981, and any amendments thereto, and which in the judgment of the village may have a deleterious effect upon the sewage works, processes, equipment, or receiving waters, or which otherwise create a hazard to life or constitute a public nuisance, the village may:

(1) Reject the wastes;

(2) Require pretreatment to an acceptable condition for discharge to the public sewers;

(3) Require control over the quantities and rates of discharge; and/or

(4) Require payment to cover the added costs of handling and treating the wastes not covered by existing taxes or sewer charges, under the provisions of subsection 51.041(C) of this chapter.

(B) If the village permits the pretreatment or equalization of waste flows, the design and installation of the plants and equipment shall be subject to the review and approval of the village and subject to the requirements of all applicable codes, ordinances, and laws.

(Ord. 2360, passed 4-24-1984; Am. Ord. 2381, passed 7-10-1984)

BUSINESS ID	LOC NO	LOC STREET	LOC APT	LOC CITY	LOC STATE	LOC ZIP	BUS NAME	DBA	INSPECTION DATE	RESULTS
100709	940	LUNT AVE		SCHAUMBURG	IL	60193-4417	LINDERMAN, DEL	TWR SERVICE CORPORATION	7/17/2018	PASS
105417	1121	TOWER RD		SCHAUMBURG	IL	60173	GOURDIE, BARRETT	ULTRA POOL	7/30/2018	PASS
105522	1900	MITCHELL BLVD		SCHAUMBURG	IL	60193	RELIANCE STEEL & ALUMINUM CO	EARLE M JORGENSEN CO	1/3/2020	PASS
106276	1651	MITCHELL BLVD		SCHAUMBURG	IL	60193-4526	VAGHASIYA, DALSUKH	ELECTRO-CIRCUITS INC	7/17/2018	PASS
106631	1735	MITCHELL BLVD		SCHAUMBURG	IL	60193-4528	KALARIA, MIKE	EAGLE ELECTRONICS, INC	7/17/2018	PASS
125980	1228	TOWER RD		SCHAUMBURG	IL	60173	BERRY PLASTICS CORP.	BERRY PLASTICS CORPORATION	8/30/2018	PASS
126249	933	REMINGTON RD		SCHAUMBURG	IL	60173	E I S INC	E I S INC/ELECTROWIRE	9/10/2019	PASS
130491	301	E CENTRAL RD		SCHAUMBURG	IL	60195	MCMAHON, RICK	SUNSTAR AMERICAS INC	3/3/2020	PASS
132052	707	REMINGTON RD	7	SCHAUMBURG	IL	60173	HALLIER, STEPHEN	WET SOLUTIONS INC	8/28/2019	FAIL
133686	1001	MORSE AVE		SCHAUMBURG	IL	60193	KWAK, YUN CHON	LASER CENTER CORP	2/17/2020	PASS

Cityworks

Search...

Inbox | New WO | New Insp | Digsmart Search | Reports | Storeroom | Crew Mana

Inspection | Email | Print

Inspection | Details

Id: 17257

Location:

Status: Closed

Resolution:

Insp. Date: 01/28/2020 10:08 AM

Inspected By: cmaentan

Observations

Discharge to

○ Detention ◉ Retention ○ Creek ○ Other

Estimated Flow (GPM)

Discharge Characteristics

Odor

○ Yes ◉ No

Color

◉ Clear ○ Cloudy

Temperature 35.4

PH 34.3

DO 12.36

Does discharge appear to have non-storm water flow?

○ Yes ◉ No

Reset

Comments

Observation:

Repairs:

Recommendation:

Cond. Score: 0

Insp Id	Inspection Type	Date Inspected	Insp By	Status	Finish Date	Dist	Entity Type	Entity Uid	Feat Type	Feat Uid	Feat Id	InspTempId
17527	Illicit Discharge Detection	01/15/2020 02:32	mgascon	CLOSED	01/15/2020 03:02	T	INFLOW	IFT006	INFLOW	IFT006	175	8
17528	Illicit Discharge Detection	01/15/2020 02:36	mgascon	CLOSED	01/15/2020 03:02	T	INFLOW	IFT007	INFLOW	IFT007	174	8
17526	Illicit Discharge Detection	01/15/2020 02:40	mgascon	CLOSED	01/15/2020 03:02	T	INFLOW	IFT001	INFLOW	IFT001	176	8
17531	Illicit Discharge Detection	01/15/2020 02:43	mgascon	CLOSED	01/15/2020 03:02	T	INFLOW	IFT003	INFLOW	IFT003	89	8
17530	Illicit Discharge Detection	01/15/2020 02:45	mgascon	CLOSED	01/15/2020 03:02	T	INFLOW	IFT002	INFLOW	IFT002	90	8
17532	Illicit Discharge Detection	01/15/2020 02:47	mgascon	CLOSED	01/15/2020 03:02	T	INFLOW	IFT004	INFLOW	IFT004	88	8
17533	Illicit Discharge Detection	01/15/2020 02:49	mgascon	CLOSED	01/15/2020 03:02	T	INFLOW	IFT005	INFLOW	IFT005	87	8
17474	Illicit Discharge Detection	01/15/2020 02:52	mgascon	CLOSED	01/15/2020 03:02	N	INFLOW	IFN003	INFLOW	IFN003	248	8
17460	Illicit Discharge Detection	01/15/2020 02:54	mgascon	CLOSED	01/15/2020 03:02	N	INFLOW	IFN002	INFLOW	IFN002	262	8
17473	Illicit Discharge Detection	01/15/2020 02:56	mgascon	CLOSED	01/15/2020 03:02	N	INFLOW	IFN001	INFLOW	IFN001	249	8
17398	Illicit Discharge Detection	01/15/2020 02:58	mgascon	CLOSED	01/15/2020 03:02	N	INFLOW	IFN004	INFLOW	IFN004	380	8
17265	Illicit Discharge Detection	01/16/2020 09:04	rkeats	CLOSED	01/16/2020 09:04	V	INFLOW	IFV002	INFLOW	IFV002	725	8
17304	Illicit Discharge Detection	01/16/2020 09:19	rkeats	CLOSED	01/16/2020 09:19	V	INFLOW	IFV001	INFLOW	IFV001	590	8
17259	Illicit Discharge Detection	01/21/2020 09:20	rkeats	CLOSED	01/21/2020 09:20	W	INFLOW	IFW068	INFLOW	IFW068	732	8
17263	Illicit Discharge Detection	01/21/2020 09:21	rkeats	CLOSED	01/21/2020 09:21	W	INFLOW	IFW067	INFLOW	IFW067	729	8
17264	Illicit Discharge Detection	01/21/2020 09:22	rkeats	CLOSED	01/21/2020 09:22	W	INFLOW	IFW066	INFLOW	IFW066	730	8
17260	Illicit Discharge Detection	01/21/2020 09:23	rkeats	CLOSED	01/21/2020 09:23	W	INFLOW	IFW065	INFLOW	IFW065	731	8
17261	Illicit Discharge Detection	01/21/2020 09:26	rkeats	CLOSED	01/21/2020 09:26	W	INFLOW	IFW064	INFLOW	IFW064	733	8
17258	Illicit Discharge Detection	01/21/2020 09:28	rkeats	CLOSED	01/21/2020 09:28	W	INFLOW	IFW063	INFLOW	IFW063	734	8
17599	Illicit Discharge Detection	01/21/2020 09:48	rkeats	CLOSED	01/21/2020 09:48	X	INFLOW	IFX001	INFLOW	IFX001	21	8
17598	Illicit Discharge Detection	01/21/2020 09:56	rkeats	CLOSED	01/21/2020 09:56	X	INFLOW	IFX002	INFLOW	IFX002	22	8
17588	Illicit Discharge Detection	01/21/2020 10:13	rkeats	CLOSED	01/21/2020 10:13	X	INFLOW	IFX008	INFLOW	IFX008	32	8
17589	Illicit Discharge Detection	01/21/2020 10:14	rkeats	CLOSED	01/21/2020 10:14	X	INFLOW	IFX007	INFLOW	IFX007	31	8
17587	Illicit Discharge Detection	01/21/2020 10:21	rkeats	CLOSED	01/21/2020 10:21	X	INFLOW	IFX012	INFLOW	IFX012	33	8
17597	Illicit Discharge Detection	01/21/2020 10:31	rkeats	CLOSED	01/21/2020 10:31	X	INFLOW	IFX003	INFLOW	IFX003	23	8
17586	Illicit Discharge Detection	01/21/2020 10:55	rkeats	CLOSED	01/21/2020 10:55	X	INFLOW	IFX009	INFLOW	IFX009	34	8
17270	Illicit Discharge Detection	01/21/2020 10:56	rkeats	CLOSED	01/21/2020 10:56	X	INFLOW	IFX013	INFLOW	IFX013	710	8
17585	Illicit Discharge Detection	01/21/2020 11:08	rkeats	CLOSED	01/21/2020 11:08	X	INFLOW	IFX006	INFLOW	IFX006	35	8
17583	Illicit Discharge Detection	01/21/2020 12:25	rkeats	CLOSED	01/21/2020 12:25	X	INFLOW	IFX004	INFLOW	IFX004	37	8
17584	Illicit Discharge Detection	01/21/2020 12:27	rkeats	CLOSED	01/21/2020 12:27	X	INFLOW	IFX005	INFLOW	IFX005	36	8
17576	Illicit Discharge Detection	01/21/2020 12:50	rkeats	CLOSED	01/21/2020 12:50	W	INFLOW	IFW012	INFLOW	IFW012	44	8
17580	Illicit Discharge Detection	01/21/2020 12:52	rkeats	CLOSED	01/21/2020 12:52	W	INFLOW	IFW011	INFLOW	IFW011	40	8
17591	Illicit Discharge Detection	01/21/2020 01:02	rkeats	CLOSED	01/21/2020 01:02	W	INFLOW	IFW055	INFLOW	IFW055	29	8
17590	Illicit Discharge Detection	01/21/2020 01:03	rkeats	CLOSED	01/21/2020 01:03	W	INFLOW	IFW054	INFLOW	IFW054	30	8
17593	Illicit Discharge Detection	01/21/2020 01:16	rkeats	CLOSED	01/21/2020 01:16	W	INFLOW	IFW056	INFLOW	IFW056	27	8
17592	Illicit Discharge Detection	01/21/2020 01:37	rkeats	CLOSED	01/21/2020 01:37	W	INFLOW	IFW057	INFLOW	IFW057	28	8
17595	Illicit Discharge Detection	01/21/2020 01:45	rkeats	CLOSED	01/21/2020 01:45	W	INFLOW	IFW058	INFLOW	IFW058	25	8
17596	Illicit Discharge Detection	01/21/2020 01:53	rkeats	CLOSED	01/21/2020 01:53	W	INFLOW	IFW059	INFLOW	IFW059	24	8
17594	Illicit Discharge Detection	01/21/2020 02:01	rkeats	CLOSED	01/21/2020 02:01	W	INFLOW	IFW060	INFLOW	IFW060	26	8
17557	Illicit Discharge Detection	01/21/2020 02:22	rkeats	CLOSED	01/21/2020 02:22	W	INFLOW	IFW016	INFLOW	IFW016	63	8
17556	Illicit Discharge Detection	01/21/2020 02:23	rkeats	CLOSED	01/21/2020 02:23	W	INFLOW	IFW017	INFLOW	IFW017	64	8
17555	Illicit Discharge Detection	01/21/2020 02:24	rkeats	CLOSED	01/21/2020 02:24	W	INFLOW	IFW015	INFLOW	IFW015	65	8
17559	Illicit Discharge Detection	01/21/2020 02:36	rkeats	CLOSED	01/21/2020 02:36	W	INFLOW	IFW019	INFLOW	IFW019	61	8
17560	Illicit Discharge Detection	01/21/2020 02:39	rkeats	CLOSED	01/21/2020 02:39	W	INFLOW	IFW020	INFLOW	IFW020	60	8
17558	Illicit Discharge Detection	01/21/2020 02:40	rkeats	CLOSED	01/21/2020 02:40	W	INFLOW	IFW018	INFLOW	IFW018	62	8
17561	Illicit Discharge Detection	01/21/2020 02:50	rkeats	CLOSED	01/21/2020 02:50	W	INFLOW	IFW021	INFLOW	IFW021	59	8
17257	Illicit Discharge Detection	01/28/2020 10:08	cmaentan	CLOSED	01/28/2020 10:08	R	INFLOW	IFR035	INFLOW	IFR035	741	8
17499	Illicit Discharge Detection	01/28/2020 10:08	cmaentan	CLOSED	01/28/2020 10:08	R	INFLOW	IFR027	INFLOW	IFR027	203	8
17500	Illicit Discharge Detection	01/28/2020 10:08	cmaentan	CLOSED	01/28/2020 10:08	R	INFLOW	IFR020	INFLOW	IFR020	202	8
17501	Illicit Discharge Detection	01/28/2020 10:08	cmaentan	CLOSED	01/28/2020 10:08	R	INFLOW	IFR025	INFLOW	IFR025	201	8

17502	Illicit Discharge Detection	01/28/2020 10:08	cmaentan	CLOSED	01/28/2020 10:08	R	INFLOW	IFR024	INFLOW	IFR024	200	8
17503	Illicit Discharge Detection	01/28/2020 10:08	cmaentan	CLOSED	01/28/2020 10:08	R	INFLOW	IFR026	INFLOW	IFR026	199	8
17504	Illicit Discharge Detection	01/28/2020 10:08	cmaentan	CLOSED	01/28/2020 10:08	R	INFLOW	IFR028	INFLOW	IFR028	198	8
17534	Illicit Discharge Detection	01/28/2020 10:08	cmaentan	CLOSED	01/28/2020 10:08	R	INFLOW	IFW034	INFLOW	IFW034	86	8
17538	Illicit Discharge Detection	01/28/2020 10:08	cmaentan	CLOSED	01/28/2020 10:08	R	INFLOW	IFW033	INFLOW	IFW033	82	8
17539	Illicit Discharge Detection	01/28/2020 10:08	cmaentan	CLOSED	01/28/2020 10:08	R	INFLOW	IFW032	INFLOW	IFW032	81	8
17540	Illicit Discharge Detection	01/28/2020 10:08	cmaentan	CLOSED	01/28/2020 10:08	R	INFLOW	IFW030	INFLOW	IFW030	80	8
17541	Illicit Discharge Detection	01/28/2020 10:08	cmaentan	CLOSED	01/28/2020 10:08	R	INFLOW	IFW045	INFLOW	IFW045	78	8
17542	Illicit Discharge Detection	01/28/2020 10:08	cmaentan	CLOSED	01/28/2020 10:08	R	INFLOW	IFW031	INFLOW	IFW031	79	8
17543	Illicit Discharge Detection	01/28/2020 10:08	cmaentan	CLOSED	01/28/2020 10:08	R	INFLOW	IFW043	INFLOW	IFW043	77	8
17544	Illicit Discharge Detection	01/28/2020 10:08	cmaentan	CLOSED	01/28/2020 10:08	R	INFLOW	IFW044	INFLOW	IFW044	76	8
17545	Illicit Discharge Detection	01/28/2020 10:08	cmaentan	CLOSED	01/28/2020 10:08	R	INFLOW	IFW062	INFLOW	IFW062	74	8
17546	Illicit Discharge Detection	01/28/2020 10:08	cmaentan	CLOSED	01/28/2020 10:08	R	INFLOW	IFW046	INFLOW	IFW046	75	8
17547	Illicit Discharge Detection	01/28/2020 10:08	cmaentan	CLOSED	01/28/2020 10:08	R	INFLOW	IFW042	INFLOW	IFW042	73	8
17548	Illicit Discharge Detection	01/28/2020 10:08	cmaentan	CLOSED	01/28/2020 10:08	R	INFLOW	IFW040	INFLOW	IFW040	72	8
17549	Illicit Discharge Detection	01/28/2020 10:08	cmaentan	CLOSED	01/28/2020 10:08	R	INFLOW	IFW041	INFLOW	IFW041	71	8
17550	Illicit Discharge Detection	01/28/2020 10:08	cmaentan	CLOSED	01/28/2020 10:08	R	INFLOW	IFW039	INFLOW	IFW039	70	8
17551	Illicit Discharge Detection	01/28/2020 10:08	cmaentan	CLOSED	01/28/2020 10:08	R	INFLOW	IFW038	INFLOW	IFW038	69	8
17552	Illicit Discharge Detection	01/28/2020 10:08	cmaentan	CLOSED	01/28/2020 10:08	R	INFLOW	IFW037	INFLOW	IFW037	68	8
17553	Illicit Discharge Detection	01/28/2020 10:08	cmaentan	CLOSED	01/28/2020 10:08	R	INFLOW	IFW036	INFLOW	IFW036	67	8
17554	Illicit Discharge Detection	01/28/2020 10:08	cmaentan	CLOSED	01/28/2020 10:08	R	INFLOW	IFW035	INFLOW	IFW035	66	8
17562	Illicit Discharge Detection	01/28/2020 10:08	cmaentan	CLOSED	01/28/2020 10:08	R	INFLOW	IFW022	INFLOW	IFW022	58	8
17577	Illicit Discharge Detection	01/28/2020 10:08	cmaentan	CLOSED	01/28/2020 10:08	R	INFLOW	IFW014	INFLOW	IFW014	43	8
17578	Illicit Discharge Detection	01/28/2020 10:08	cmaentan	CLOSED	01/28/2020 10:08	R	INFLOW	IFW009	INFLOW	IFW009	42	8
17579	Illicit Discharge Detection	01/28/2020 10:08	cmaentan	CLOSED	01/28/2020 10:08	R	INFLOW	IFW013	INFLOW	IFW013	41	8
17574	Illicit Discharge Detection	02/4/2020 08:38	mgascon	CLOSED	02/4/2020 08:38	X	INFLOW	IFX010	INFLOW	IFX010	46	8
17575	Illicit Discharge Detection	02/4/2020 08:40	mgascon	CLOSED	02/4/2020 08:40	X	INFLOW	IFX011	INFLOW	IFX011	45	8
17581	Illicit Discharge Detection	02/4/2020 08:57	mgascon	CLOSED	02/4/2020 08:57	W	INFLOW	IFW010	INFLOW	IFW010	39	8
17582	Illicit Discharge Detection	02/4/2020 09:13	mgascon	CLOSED	02/4/2020 09:13	W	INFLOW	IFW061	INFLOW	IFW061	38	8
17537	Illicit Discharge Detection	02/4/2020 09:28	mgascon	CLOSED	02/4/2020 09:28	W	INFLOW	IFW027	INFLOW	IFW027	83	8
17536	Illicit Discharge Detection	02/4/2020 09:29	mgascon	CLOSED	02/4/2020 09:29	W	INFLOW	IFW028	INFLOW	IFW028	84	8
17535	Illicit Discharge Detection	02/4/2020 09:31	mgascon	CLOSED	02/4/2020 09:31	W	INFLOW	IFW029	INFLOW	IFW029	85	8
17564	Illicit Discharge Detection	02/4/2020 09:49	mgascon	CLOSED	02/4/2020 09:49	W	INFLOW	IFW023	INFLOW	IFW023	56	8
17563	Illicit Discharge Detection	02/4/2020 09:54	mgascon	CLOSED	02/4/2020 09:54	W	INFLOW	IFW024	INFLOW	IFW024	57	8
17565	Illicit Discharge Detection	02/4/2020 10:03	mgascon	CLOSED	02/4/2020 10:03	W	INFLOW	IFW025	INFLOW	IFW025	55	8
17571	Illicit Discharge Detection	02/4/2020 10:11	mgascon	CLOSED	02/4/2020 10:11	W	INFLOW	IFW047	INFLOW	IFW047	49	8
17570	Illicit Discharge Detection	02/4/2020 10:17	mgascon	CLOSED	02/4/2020 10:17	W	INFLOW	IFW048	INFLOW	IFW048	50	8
17569	Illicit Discharge Detection	02/4/2020 10:18	mgascon	CLOSED	02/4/2020 10:18	W	INFLOW	IFW049	INFLOW	IFW049	51	8
17568	Illicit Discharge Detection	02/4/2020 10:21	mgascon	CLOSED	02/4/2020 10:21	W	INFLOW	IFW050	INFLOW	IFW050	52	8
17604	Illicit Discharge Detection	02/4/2020 10:30	mgascon	CLOSED	02/4/2020 10:30	W	INFLOW	IFW008	INFLOW	IFW008	16	8
17603	Illicit Discharge Detection	02/4/2020 10:34	mgascon	CLOSED	02/4/2020 10:34	W	INFLOW	IFW007	INFLOW	IFW007	17	8
17602	Illicit Discharge Detection	02/4/2020 10:34	mgascon	CLOSED	02/4/2020 10:34	W	INFLOW	IFW006	INFLOW	IFW006	18	8
17601	Illicit Discharge Detection	02/4/2020 10:38	mgascon	CLOSED	02/4/2020 10:38	W	INFLOW	IFW005	INFLOW	IFW005	19	8
17600	Illicit Discharge Detection	02/4/2020 10:41	mgascon	CLOSED	02/4/2020 10:41	W	INFLOW	IFW003	INFLOW	IFW003	20	8
17529	Illicit Discharge Detection	02/4/2020 10:42	mgascon	CLOSED	02/4/2020 10:42	W	INFLOW	IFW004	INFLOW	IFW004	173	8
17514	Illicit Discharge Detection	02/4/2020 10:44	mgascon	CLOSED	02/4/2020 10:44	W	INFLOW	IFW001	INFLOW	IFW001	188	8
17515	Illicit Discharge Detection	02/4/2020 10:50	mgascon	CLOSED	02/4/2020 10:50	W	INFLOW	IFW002	INFLOW	IFW002	187	8
17518	Illicit Discharge Detection	02/4/2020 11:19	mgascon	CLOSED	02/4/2020 11:19	S	INFLOW	IFS016	INFLOW	IFS016	185	8
17516	Illicit Discharge Detection	02/4/2020 12:15	mgascon	CLOSED	02/4/2020 12:15	S	INFLOW	IFS003	INFLOW	IFS003	184	8
17517	Illicit Discharge Detection	02/4/2020 12:16	mgascon	CLOSED	02/4/2020 12:16	S	INFLOW	IFS004	INFLOW	IFS004	183	8
17567	Illicit Discharge Detection	02/4/2020 12:23	mgascon	CLOSED	02/4/2020 12:23	W	INFLOW	IFW053	INFLOW	IFW053	53	8

17572	Illicit Discharge Detection	02/4/2020 12:33	mgascon	CLOSED	02/4/2020 12:33	W	INFLOW	IFW051	INFLOW	IFW051	48	8
17573	Illicit Discharge Detection	02/4/2020 12:41	mgascon	CLOSED	02/4/2020 12:41	W	INFLOW	IFW052	INFLOW	IFW052	47	8
17566	Illicit Discharge Detection	02/4/2020 12:52	mgascon	CLOSED	02/4/2020 12:52	W	INFLOW	IFW026	INFLOW	IFW026	54	8
17485	Illicit Discharge Detection	02/4/2020 01:28	mgascon	CLOSED	02/4/2020 01:28	R	INFLOW	IFR011	INFLOW	IFR011	217	8
17482	Illicit Discharge Detection	02/4/2020 01:28	mgascon	CLOSED	02/4/2020 01:28	R	INFLOW	IFR014	INFLOW	IFR014	220	8
17484	Illicit Discharge Detection	02/4/2020 01:30	mgascon	CLOSED	02/4/2020 01:30	R	INFLOW	IFR012	INFLOW	IFR012	218	8
17483	Illicit Discharge Detection	02/4/2020 01:31	mgascon	CLOSED	02/4/2020 01:31	R	INFLOW	IFR013	INFLOW	IFR013	219	8
17498	Illicit Discharge Detection	02/4/2020 01:49	mgascon	CLOSED	02/4/2020 01:49	R	INFLOW	IFR019	INFLOW	IFR019	204	8
17497	Illicit Discharge Detection	02/4/2020 01:51	mgascon	CLOSED	02/4/2020 01:51	R	INFLOW	IFR018	INFLOW	IFR018	205	8
17496	Illicit Discharge Detection	02/4/2020 01:52	mgascon	CLOSED	02/4/2020 01:52	R	INFLOW	IFR017	INFLOW	IFR017	206	8
17495	Illicit Discharge Detection	02/4/2020 01:56	mgascon	CLOSED	02/4/2020 01:56	R	INFLOW	IFR016	INFLOW	IFR016	207	8
17479	Illicit Discharge Detection	02/4/2020 02:25	mgascon	CLOSED	02/4/2020 02:25	R	INFLOW	IFR010	INFLOW	IFR010	223	8
17475	Illicit Discharge Detection	02/4/2020 02:30	mgascon	CLOSED	02/4/2020 02:30	R	INFLOW	IFR004	INFLOW	IFR004	227	8
17494	Illicit Discharge Detection	02/4/2020 02:45	mgascon	CLOSED	02/4/2020 02:45	R	INFLOW	IFR029	INFLOW	IFR029	208	8
17269	Illicit Discharge Detection	02/5/2020 09:12	mpalomo	CLOSED	02/5/2020 09:12	N	INFLOW	IFN058	INFLOW	IFN058	713	8
17268	Illicit Discharge Detection	02/5/2020 09:19	mpalomo	CLOSED	02/5/2020 09:19	N	INFLOW	IFN059	INFLOW	IFN059	712	8
17266	Illicit Discharge Detection	02/5/2020 09:29	mpalomo	CLOSED	02/5/2020 09:29	N	INFLOW	IFN473	INFLOW	IFN473	715	8
17267	Illicit Discharge Detection	02/5/2020 09:42	mpalomo	CLOSED	02/5/2020 09:42	N	INFLOW	IFN060	INFLOW	IFN060	714	8
17400	Illicit Discharge Detection	02/5/2020 10:06	mpalomo	CLOSED	02/5/2020 10:06	P	INFLOW	IFP041	INFLOW	IFP041	367	8
17399	Illicit Discharge Detection	02/5/2020 10:22	mpalomo	CLOSED	02/5/2020 10:22	P	INFLOW	IFP040	INFLOW	IFP040	368	8
17401	Illicit Discharge Detection	02/5/2020 11:10	mpalomo	CLOSED	02/5/2020 11:10	P	INFLOW	IFP001	INFLOW	IFP001	366	8
17402	Illicit Discharge Detection	02/5/2020 11:11	mpalomo	CLOSED	02/5/2020 11:11	P	INFLOW	IFP002	INFLOW	IFP002	365	8
17403	Illicit Discharge Detection	02/5/2020 11:12	mpalomo	CLOSED	02/5/2020 11:12	P	INFLOW	IFP003	INFLOW	IFP003	364	8
17404	Illicit Discharge Detection	02/5/2020 11:39	mpalomo	CLOSED	02/5/2020 11:39	P	INFLOW	IFP004	INFLOW	IFP004	363	8
17405	Illicit Discharge Detection	02/5/2020 11:40	mpalomo	CLOSED	02/5/2020 11:40	P	INFLOW	IFP005	INFLOW	IFP005	362	8
17406	Illicit Discharge Detection	02/5/2020 12:47	mpalomo	CLOSED	02/5/2020 12:47	P	INFLOW	IFP006	INFLOW	IFP006	325	8
17456	Illicit Discharge Detection	02/5/2020 12:49	mpalomo	CLOSED	02/5/2020 12:49	P	INFLOW	IFP007	INFLOW	IFP007	268	8
17455	Illicit Discharge Detection	02/5/2020 01:04	mpalomo	CLOSED	02/5/2020 01:04	P	INFLOW	IFP008	INFLOW	IFP008	269	8
17432	Illicit Discharge Detection	02/5/2020 01:29	mpalomo	CLOSED	02/5/2020 01:29	O	INFLOW	IFO006	INFLOW	IFO006	292	8
17436	Illicit Discharge Detection	02/5/2020 01:42	mpalomo	CLOSED	02/5/2020 01:42	O	INFLOW	IFO012	INFLOW	IFO012	288	8
17437	Illicit Discharge Detection	02/5/2020 01:44	mpalomo	CLOSED	02/5/2020 01:44	O	INFLOW	IFO026	INFLOW	IFO026	287	8
17435	Illicit Discharge Detection	02/5/2020 01:58	mpalomo	CLOSED	02/5/2020 01:58	O	INFLOW	IFO011	INFLOW	IFO011	289	8
17433	Illicit Discharge Detection	02/5/2020 01:59	mpalomo	CLOSED	02/5/2020 01:59	O	INFLOW	IFO010	INFLOW	IFO010	291	8
17440	Illicit Discharge Detection	02/5/2020 02:17	mpalomo	CLOSED	02/5/2020 02:17	O	INFLOW	IFO013	INFLOW	IFO013	284	8
17441	Illicit Discharge Detection	02/5/2020 02:18	mpalomo	CLOSED	02/5/2020 02:18	O	INFLOW	IFO065	INFLOW	IFO065	283	8
17469	Illicit Discharge Detection	02/5/2020 02:36	mpalomo	CLOSED	02/5/2020 02:36	N	INFLOW	IFN008	INFLOW	IFN008	253	8
17470	Illicit Discharge Detection	02/5/2020 02:37	mpalomo	CLOSED	02/5/2020 02:37	N	INFLOW	IFN007	INFLOW	IFN007	252	8
17471	Illicit Discharge Detection	02/5/2020 02:52	mpalomo	CLOSED	02/5/2020 02:52	N	INFLOW	IFN006	INFLOW	IFN006	251	8
17472	Illicit Discharge Detection	02/10/2020 01:56	jgiovenco	CLOSED	02/10/2020 01:56	N	INFLOW	IFN005	INFLOW	IFN005	250	8
17421	Illicit Discharge Detection	02/10/2020 02:16	jgiovenco	CLOSED	02/10/2020 02:16	N	INFLOW	IFN056	INFLOW	IFN056	303	8
17420	Illicit Discharge Detection	02/10/2020 02:26	jgiovenco	CLOSED	02/10/2020 02:26	O	INFLOW	IFO018	INFLOW	IFO018	304	8
17419	Illicit Discharge Detection	02/10/2020 02:26	jgiovenco	CLOSED	02/10/2020 02:26	O	INFLOW	IFO019	INFLOW	IFO019	305	8
17424	Illicit Discharge Detection	02/10/2020 02:36	jgiovenco	CLOSED	02/10/2020 02:36	O	INFLOW	IFO015	INFLOW	IFO015	301	8
17319	Illicit Discharge Detection	02/11/2020 08:42	jgiovenco	CLOSED	02/11/2020 08:42	N	INFLOW	IFN020	INFLOW	IFN020	521	8
17320	Illicit Discharge Detection	02/11/2020 08:53	jgiovenco	CLOSED	02/11/2020 08:53	N	INFLOW	IFN019	INFLOW	IFN019	520	8
17321	Illicit Discharge Detection	02/11/2020 09:02	jgiovenco	CLOSED	02/11/2020 09:02	N	INFLOW	IFN021	INFLOW	IFN021	519	8
17457	Illicit Discharge Detection	02/11/2020 09:43	jgiovenco	CLOSED	02/11/2020 09:43	N	INFLOW	IFN009	INFLOW	IFN009	265	8
17458	Illicit Discharge Detection	02/11/2020 09:45	jgiovenco	CLOSED	02/11/2020 09:45	N	INFLOW	IFN010	INFLOW	IFN010	264	8
17463	Illicit Discharge Detection	02/11/2020 09:54	jgiovenco	CLOSED	02/11/2020 09:54	N	INFLOW	IFN012	INFLOW	IFN012	259	8
17462	Illicit Discharge Detection	02/11/2020 10:00	jgiovenco	CLOSED	02/11/2020 10:00	N	INFLOW	IFN013	INFLOW	IFN013	260	8
17461	Illicit Discharge Detection	02/11/2020 10:01	jgiovenco	CLOSED	02/11/2020 10:01	N	INFLOW	IFN043	INFLOW	IFN043	261	8

17459	Illicit Discharge Detection	02/11/2020 10:03	jgiovenco	CLOSED	02/11/2020 10:03	N	INFLOW	IFN011	INFLOW	IFN011	263	8
17467	Illicit Discharge Detection	02/11/2020 10:17	jgiovenco	CLOSED	02/11/2020 10:17	N	INFLOW	IFN014	INFLOW	IFN014	255	8
17466	Illicit Discharge Detection	02/11/2020 10:29	jgiovenco	CLOSED	02/11/2020 10:29	N	INFLOW	IFN015	INFLOW	IFN015	256	8
17464	Illicit Discharge Detection	02/11/2020 10:29	jgiovenco	CLOSED	02/11/2020 10:29	N	INFLOW	IFN016	INFLOW	IFN016	258	8
17465	Illicit Discharge Detection	02/11/2020 10:30	jgiovenco	CLOSED	02/11/2020 10:30	N	INFLOW	IFN017	INFLOW	IFN017	257	8
17468	Illicit Discharge Detection	02/11/2020 10:47	jgiovenco	CLOSED	02/11/2020 10:47	N	INFLOW	IFN018	INFLOW	IFN018	254	8
17439	Illicit Discharge Detection	02/11/2020 11:03	jgiovenco	CLOSED	02/11/2020 11:03	O	INFLOW	IFO016	INFLOW	IFO016	285	8
17438	Illicit Discharge Detection	02/11/2020 11:04	jgiovenco	CLOSED	02/11/2020 11:04	O	INFLOW	IFO017	INFLOW	IFO017	286	8
17428	Illicit Discharge Detection	02/11/2020 12:32	jgiovenco	CLOSED	02/11/2020 12:32	O	INFLOW	IFO005	INFLOW	IFO005	296	8
17427	Illicit Discharge Detection	02/11/2020 12:33	jgiovenco	CLOSED	02/11/2020 12:33	O	INFLOW	IFO004	INFLOW	IFO004	297	8
17430	Illicit Discharge Detection	02/11/2020 12:34	jgiovenco	CLOSED	02/11/2020 12:34	O	INFLOW	IFO002	INFLOW	IFO002	294	8
17429	Illicit Discharge Detection	02/11/2020 12:34	jgiovenco	CLOSED	02/11/2020 12:34	O	INFLOW	IFO003	INFLOW	IFO003	295	8
17431	Illicit Discharge Detection	02/11/2020 12:35	jgiovenco	CLOSED	02/11/2020 12:35	O	INFLOW	IFO030	INFLOW	IFO030	293	8
17434	Illicit Discharge Detection	02/11/2020 12:47	jgiovenco	CLOSED	02/11/2020 12:47	O	INFLOW	IFO001	INFLOW	IFO001	290	8
17452	Illicit Discharge Detection	02/11/2020 01:11	jgiovenco	CLOSED	02/11/2020 01:11	P	INFLOW	IFP017	INFLOW	IFP017	272	8
17451	Illicit Discharge Detection	02/11/2020 01:19	jgiovenco	CLOSED	02/11/2020 01:19	P	INFLOW	IFP016	INFLOW	IFP016	273	8
17449	Illicit Discharge Detection	02/11/2020 01:33	jgiovenco	CLOSED	02/11/2020 01:33	P	INFLOW	IFP011	INFLOW	IFP011	275	8
17450	Illicit Discharge Detection	02/11/2020 01:34	jgiovenco	CLOSED	02/11/2020 01:34	P	INFLOW	IFP012	INFLOW	IFP012	274	8
17447	Illicit Discharge Detection	02/11/2020 01:36	jgiovenco	CLOSED	02/11/2020 01:36	P	INFLOW	IFP013	INFLOW	IFP013	277	8
17448	Illicit Discharge Detection	02/11/2020 01:42	jgiovenco	CLOSED	02/11/2020 01:42	P	INFLOW	IFP010	INFLOW	IFP010	276	8
17445	Illicit Discharge Detection	02/11/2020 01:51	jgiovenco	CLOSED	02/11/2020 01:51	P	INFLOW	IFP014	INFLOW	IFP014	279	8
17446	Illicit Discharge Detection	02/11/2020 01:51	jgiovenco	CLOSED	02/11/2020 01:51	P	INFLOW	IFP015	INFLOW	IFP015	278	8
17444	Illicit Discharge Detection	02/11/2020 01:58	jgiovenco	CLOSED	02/11/2020 01:58	P	INFLOW	IFP018	INFLOW	IFP018	280	8
17454	Illicit Discharge Detection	02/12/2020 12:41	jgiovenco	CLOSED	02/12/2020 12:41	P	INFLOW	IFP009	INFLOW	IFP009	270	8
17453	Illicit Discharge Detection	02/12/2020 12:42	jgiovenco	CLOSED	02/12/2020 12:42	P	INFLOW	IFP042	INFLOW	IFP042	271	8
17426	Illicit Discharge Detection	02/12/2020 12:47	jgiovenco	CLOSED	02/12/2020 12:47	O	INFLOW	IFO009	INFLOW	IFO009	298	8
17423	Illicit Discharge Detection	02/12/2020 12:48	jgiovenco	CLOSED	02/12/2020 12:48	O	INFLOW	IFO007	INFLOW	IFO007	300	8
17425	Illicit Discharge Detection	02/12/2020 12:48	jgiovenco	CLOSED	02/12/2020 12:48	O	INFLOW	IFO008	INFLOW	IFO008	299	8
17332	Illicit Discharge Detection	02/12/2020 01:05	jgiovenco	CLOSED	02/12/2020 01:05	N	INFLOW	IFN022	INFLOW	IFN022	508	8
17322	Illicit Discharge Detection	02/12/2020 01:31	jgiovenco	CLOSED	02/12/2020 01:31	N	INFLOW	IFN027	INFLOW	IFN027	518	8
17323	Illicit Discharge Detection	02/12/2020 01:32	jgiovenco	CLOSED	02/12/2020 01:32	N	INFLOW	IFN026	INFLOW	IFN026	517	8
17324	Illicit Discharge Detection	02/12/2020 01:32	jgiovenco	CLOSED	02/12/2020 01:32	N	INFLOW	IFN025	INFLOW	IFN025	516	8
17393	Illicit Discharge Detection	02/12/2020 02:02	jgiovenco	CLOSED	02/12/2020 02:02	N	INFLOW	IFN036	INFLOW	IFN036	386	8
17392	Illicit Discharge Detection	02/12/2020 02:03	jgiovenco	CLOSED	02/12/2020 02:03	N	INFLOW	IFN037	INFLOW	IFN037	387	8
17394	Illicit Discharge Detection	02/12/2020 02:04	jgiovenco	CLOSED	02/12/2020 02:04	N	INFLOW	IFN038	INFLOW	IFN038	385	8
17395	Illicit Discharge Detection	02/12/2020 02:04	jgiovenco	CLOSED	02/12/2020 02:04	N	INFLOW	IFN041	INFLOW	IFN041	384	8
17397	Illicit Discharge Detection	02/12/2020 02:05	jgiovenco	CLOSED	02/12/2020 02:05	N	INFLOW	IFN040	INFLOW	IFN040	382	8
17396	Illicit Discharge Detection	02/12/2020 02:05	jgiovenco	CLOSED	02/12/2020 02:05	N	INFLOW	IFN039	INFLOW	IFN039	383	8
17339	Illicit Discharge Detection	02/12/2020 02:20	jgiovenco	CLOSED	02/12/2020 02:20	O	INFLOW	IFO040	INFLOW	IFO040	500	8
17422	Illicit Discharge Detection	02/14/2020 01:27	jgiovenco	CLOSED	02/14/2020 01:27	O	INFLOW	IFO014	INFLOW	IFO014	302	8
17443	Illicit Discharge Detection	02/14/2020 01:36	jgiovenco	CLOSED	02/14/2020 01:36	Q	INFLOW	IFQ037	INFLOW	IFQ037	281	8
17442	Illicit Discharge Detection	02/14/2020 01:38	jgiovenco	CLOSED	02/14/2020 01:38	Q	INFLOW	IFQ038	INFLOW	IFQ038	282	8
17369	Illicit Discharge Detection	02/14/2020 01:45	jgiovenco	CLOSED	02/14/2020 01:45	Q	INFLOW	IFQ004	INFLOW	IFQ004	471	8
17370	Illicit Discharge Detection	02/14/2020 01:49	jgiovenco	CLOSED	02/14/2020 01:49	Q	INFLOW	IFQ003	INFLOW	IFQ003	470	8
17378	Illicit Discharge Detection	02/14/2020 01:49	jgiovenco	CLOSED	02/14/2020 01:49	Q	INFLOW	IFQ002	INFLOW	IFQ002	469	8
17371	Illicit Discharge Detection	02/14/2020 01:49	jgiovenco	CLOSED	02/14/2020 01:49	Q	INFLOW	IFQ001	INFLOW	IFQ001	468	8
17374	Illicit Discharge Detection	02/14/2020 01:57	jgiovenco	CLOSED	02/14/2020 01:57	Q	INFLOW	IFQ012	INFLOW	IFQ012	465	8
17372	Illicit Discharge Detection	02/14/2020 01:57	jgiovenco	CLOSED	02/14/2020 01:57	Q	INFLOW	IFQ011	INFLOW	IFQ011	467	8
17373	Illicit Discharge Detection	02/14/2020 01:58	jgiovenco	CLOSED	02/14/2020 01:58	Q	INFLOW	IFQ010	INFLOW	IFQ010	466	8
17364	Illicit Discharge Detection	02/14/2020 02:04	jgiovenco	CLOSED	02/14/2020 02:04	Q	INFLOW	IFQ009	INFLOW	IFQ009	476	8
17365	Illicit Discharge Detection	02/14/2020 02:04	jgiovenco	CLOSED	02/14/2020 02:04	Q	INFLOW	IFQ008	INFLOW	IFQ008	475	8

17366	Illicit Discharge Detection	02/14/2020 02:05	jgiovenco	CLOSED	02/14/2020 02:05	Q	INFLOW	IFQ007	INFLOW	IFQ007	474	8
17262	Illicit Discharge Detection	02/18/2020 01:51	jgiovenco	CLOSED	02/18/2020 01:51	S	INFLOW	IFS009	INFLOW	IFS009	554	8
17309	Illicit Discharge Detection	02/18/2020 01:51	jgiovenco	CLOSED	02/18/2020 01:51	S	INFLOW	IFS008	INFLOW	IFS008	553	8
17310	Illicit Discharge Detection	02/18/2020 01:51	jgiovenco	CLOSED	02/18/2020 01:51	S	INFLOW	IFS007	INFLOW	IFS007	552	8
17311	Illicit Discharge Detection	02/18/2020 01:51	jgiovenco	CLOSED	02/18/2020 01:51	S	INFLOW	IFS006	INFLOW	IFS006	551	8
17416	Illicit Discharge Detection	02/18/2020 01:51	jgiovenco	CLOSED	02/18/2020 01:51	S	INFLOW	IFP020	INFLOW	IFP020	315	8
17417	Illicit Discharge Detection	02/18/2020 01:51	jgiovenco	CLOSED	02/18/2020 01:51	S	INFLOW	IFP019	INFLOW	IFP019	314	8
17476	Illicit Discharge Detection	02/18/2020 01:51	jgiovenco	CLOSED	02/18/2020 01:51	S	INFLOW	IFR003	INFLOW	IFR003	226	8
17477	Illicit Discharge Detection	02/18/2020 01:51	jgiovenco	CLOSED	02/18/2020 01:51	S	INFLOW	IFR002	INFLOW	IFR002	225	8
17478	Illicit Discharge Detection	02/18/2020 01:51	jgiovenco	CLOSED	02/18/2020 01:51	S	INFLOW	IFR001	INFLOW	IFR001	224	8
17480	Illicit Discharge Detection	02/18/2020 01:51	jgiovenco	CLOSED	02/18/2020 01:51	S	INFLOW	IFR009	INFLOW	IFR009	222	8
17481	Illicit Discharge Detection	02/18/2020 01:51	jgiovenco	CLOSED	02/18/2020 01:51	S	INFLOW	IFR008	INFLOW	IFR008	221	8
17486	Illicit Discharge Detection	02/18/2020 01:51	jgiovenco	CLOSED	02/18/2020 01:51	S	INFLOW	IFR005	INFLOW	IFR005	216	8
17487	Illicit Discharge Detection	02/18/2020 01:51	jgiovenco	CLOSED	02/18/2020 01:51	S	INFLOW	IFP035	INFLOW	IFP035	215	8
17488	Illicit Discharge Detection	02/18/2020 01:51	jgiovenco	CLOSED	02/18/2020 01:51	S	INFLOW	IFP033	INFLOW	IFP033	214	8
17489	Illicit Discharge Detection	02/18/2020 01:51	jgiovenco	CLOSED	02/18/2020 01:51	S	INFLOW	IFP036	INFLOW	IFP036	213	8
17490	Illicit Discharge Detection	02/18/2020 01:51	jgiovenco	CLOSED	02/18/2020 01:51	S	INFLOW	IFP038	INFLOW	IFP038	212	8
17491	Illicit Discharge Detection	02/18/2020 01:51	jgiovenco	CLOSED	02/18/2020 01:51	S	INFLOW	IFP037	INFLOW	IFP037	211	8
17492	Illicit Discharge Detection	02/18/2020 01:51	jgiovenco	CLOSED	02/18/2020 01:51	S	INFLOW	IFP034	INFLOW	IFP034	210	8
17493	Illicit Discharge Detection	02/18/2020 01:51	jgiovenco	CLOSED	02/18/2020 01:51	S	INFLOW	IFR007	INFLOW	IFR007	209	8
17505	Illicit Discharge Detection	02/18/2020 01:51	jgiovenco	CLOSED	02/18/2020 01:51	S	INFLOW	IFR034	INFLOW	IFR034	197	8
17507	Illicit Discharge Detection	02/18/2020 01:51	jgiovenco	CLOSED	02/18/2020 01:51	S	INFLOW	IFR032	INFLOW	IFR032	194	8
17511	Illicit Discharge Detection	02/18/2020 01:51	jgiovenco	CLOSED	02/18/2020 01:51	S	INFLOW	IFR030	INFLOW	IFR030	196	8
17512	Illicit Discharge Detection	02/18/2020 01:51	jgiovenco	CLOSED	02/18/2020 01:51	S	INFLOW	IFR033	INFLOW	IFR033	193	8
17513	Illicit Discharge Detection	02/18/2020 01:51	jgiovenco	CLOSED	02/18/2020 01:51	S	INFLOW	IFR031	INFLOW	IFR031	195	8
17519	Illicit Discharge Detection	02/18/2020 01:51	jgiovenco	CLOSED	02/18/2020 01:51	S	INFLOW	IFS011	INFLOW	IFS011	181	8
17520	Illicit Discharge Detection	02/18/2020 01:51	jgiovenco	CLOSED	02/18/2020 01:51	S	INFLOW	IFS010	INFLOW	IFS010	182	8
17521	Illicit Discharge Detection	02/18/2020 01:51	jgiovenco	CLOSED	02/18/2020 01:51	S	INFLOW	IFS005	INFLOW	IFS005	186	8
17525	Illicit Discharge Detection	02/18/2020 01:51	jgiovenco	CLOSED	02/18/2020 01:51	S	INFLOW	IFS014	INFLOW	IFS014	177	8
17318	Illicit Discharge Detection	02/19/2020 08:23	dlarson	CLOSED	02/19/2020 08:23	N	INFLOW	IFN055	INFLOW	IFN055	542	8
17317	Illicit Discharge Detection	02/19/2020 08:28	dlarson	CLOSED	02/19/2020 08:28	N	INFLOW	IFN045	INFLOW	IFN045	543	8
17316	Illicit Discharge Detection	02/19/2020 08:42	dlarson	CLOSED	02/19/2020 08:42	N	INFLOW	IFN047	INFLOW	IFN047	544	8
17315	Illicit Discharge Detection	02/19/2020 08:53	dlarson	CLOSED	02/19/2020 08:53	N	INFLOW	IFN049	INFLOW	IFN049	545	8
17314	Illicit Discharge Detection	02/19/2020 09:01	dlarson	CLOSED	02/19/2020 09:01	N	INFLOW	IFN046	INFLOW	IFN046	546	8
17313	Illicit Discharge Detection	02/19/2020 09:09	dlarson	CLOSED	02/19/2020 09:09	N	INFLOW	IFN044	INFLOW	IFN044	547	8
17306	Illicit Discharge Detection	02/19/2020 09:41	dlarson	CLOSED	02/19/2020 09:41	N	INFLOW	IFN052	INFLOW	IFN052	588	8
17312	Illicit Discharge Detection	02/19/2020 09:46	dlarson	CLOSED	02/19/2020 09:46	N	INFLOW	IFN053	INFLOW	IFN053	548	8
17294	Illicit Discharge Detection	02/19/2020 09:54	dlarson	CLOSED	02/19/2020 09:54	O	INFLOW	IFO050	INFLOW	IFO050	600	8
17293	Illicit Discharge Detection	02/19/2020 09:58	dlarson	CLOSED	02/19/2020 09:58	O	INFLOW	IFO052	INFLOW	IFO052	601	8
17292	Illicit Discharge Detection	02/19/2020 09:59	dlarson	CLOSED	02/19/2020 09:59	O	INFLOW	IFO051	INFLOW	IFO051	602	8
17291	Illicit Discharge Detection	02/19/2020 10:04	dlarson	CLOSED	02/19/2020 10:04	O	INFLOW	IFO053	INFLOW	IFO053	603	8
17333	Illicit Discharge Detection	02/19/2020 10:07	dlarson	CLOSED	02/19/2020 10:07	O	INFLOW	IFO043	INFLOW	IFO043	507	8
17340	Illicit Discharge Detection	02/19/2020 10:08	dlarson	CLOSED	02/19/2020 10:08	O	INFLOW	IFO041	INFLOW	IFO041	501	8
17334	Illicit Discharge Detection	02/19/2020 10:08	dlarson	CLOSED	02/19/2020 10:08	O	INFLOW	IFO042	INFLOW	IFO042	506	8
17335	Illicit Discharge Detection	02/19/2020 10:08	dlarson	CLOSED	02/19/2020 10:08	O	INFLOW	IFO044	INFLOW	IFO044	505	8
17337	Illicit Discharge Detection	02/19/2020 10:09	dlarson	CLOSED	02/19/2020 10:09	O	INFLOW	IFO045	INFLOW	IFO045	503	8
17338	Illicit Discharge Detection	02/19/2020 10:09	dlarson	CLOSED	02/19/2020 10:09	O	INFLOW	IFO046	INFLOW	IFO046	502	8
17336	Illicit Discharge Detection	02/19/2020 10:09	dlarson	CLOSED	02/19/2020 10:09	O	INFLOW	IFO047	INFLOW	IFO047	504	8
17391	Illicit Discharge Detection	02/19/2020 10:21	dlarson	CLOSED	02/19/2020 10:21	N	INFLOW	IFN042	INFLOW	IFN042	388	8
17297	Illicit Discharge Detection	02/19/2020 11:05	dlarson	CLOSED	02/19/2020 11:05	O	INFLOW	IFO056	INFLOW	IFO056	597	8
17298	Illicit Discharge Detection	02/19/2020 11:06	dlarson	CLOSED	02/19/2020 11:06	O	INFLOW	IFO055	INFLOW	IFO055	596	8

17296	Illicit Discharge Detection	02/19/2020 11:07	dlarson	CLOSED	02/19/2020 11:07	O	INFLOW	IFO058	INFLOW	IFO058	598	8	
17295	Illicit Discharge Detection	02/19/2020 11:08	dlarson	CLOSED	02/19/2020 11:08	O	INFLOW	IFO057	INFLOW	IFO057	599	8	
17290	Illicit Discharge Detection	02/19/2020 11:09	dlarson	CLOSED	02/19/2020 11:09	O	INFLOW	IFO054	INFLOW	IFO054	604	8	
17305	Illicit Discharge Detection	02/19/2020 01:06	dlarson	CLOSED	02/19/2020 01:06	O	INFLOW	IFO059	INFLOW	IFO059	572	8	
17299	Illicit Discharge Detection	02/19/2020 01:07	dlarson	CLOSED	02/19/2020 01:07		INFLOW	IFO062	INFLOW	IFO062	595	8	
17303	Illicit Discharge Detection	02/19/2020 01:27	dlarson	CLOSED	02/19/2020 01:27		INFLOW	IFO060	INFLOW	IFO060	591	8	
17302	Illicit Discharge Detection	02/19/2020 01:27	dlarson	CLOSED	02/19/2020 01:27		INFLOW	IFO061	INFLOW	IFO061	592	8	
17301	Illicit Discharge Detection	02/19/2020 01:28	dlarson	CLOSED	02/19/2020 01:28		INFLOW	IFO064	INFLOW	IFO064	593	8	
17300	Illicit Discharge Detection	02/19/2020 01:29	dlarson	CLOSED	02/19/2020 01:29		INFLOW	IFO063	INFLOW	IFO063	594	8	
17341	Illicit Discharge Detection	02/19/2020 01:49	dlarson	CLOSED	02/19/2020 01:49	O	INFLOW	IFO049	INFLOW	IFO049	499	8	
17342	Illicit Discharge Detection	02/19/2020 01:50	dlarson	CLOSED	02/19/2020 01:50	O	INFLOW	IFO048	INFLOW	IFO048	498	8	
17390	Illicit Discharge Detection	02/19/2020 02:09	dlarson	CLOSED	02/19/2020 02:09	N	INFLOW	IFN035	INFLOW	IFN035	389	8	
17389	Illicit Discharge Detection	02/19/2020 02:09	dlarson	CLOSED	02/19/2020 02:09	N	INFLOW	IFN034	INFLOW	IFN034	390	8	
17328	Illicit Discharge Detection	02/20/2020 09:46	rkeats	CLOSED	02/20/2020 09:46	N	INFLOW	IFN029	INFLOW	IFN029	512	8	
17331	Illicit Discharge Detection	02/20/2020 09:49	rkeats	CLOSED	02/20/2020 09:49	N	INFLOW	IFN030	INFLOW	IFN030	509	8	
17329	Illicit Discharge Detection	02/20/2020 09:55	rkeats	CLOSED	02/20/2020 09:55	N	INFLOW	IFN032	INFLOW	IFN032	511	8	
17330	Illicit Discharge Detection	02/20/2020 09:55	rkeats	CLOSED	02/20/2020 09:55	N	INFLOW	IFN031	INFLOW	IFN031	510	8	
17325	Illicit Discharge Detection	02/20/2020 10:17	rkeats	CLOSED	02/20/2020 10:17	N	INFLOW	IFN033	INFLOW	IFN033	515	8	
17327	Illicit Discharge Detection	02/20/2020 10:19	rkeats	CLOSED	02/20/2020 10:19	N	INFLOW	IFN024	INFLOW	IFN024	513	8	
17326	Illicit Discharge Detection	02/20/2020 10:20	rkeats	CLOSED	02/20/2020 10:20	N	INFLOW	IFN023	INFLOW	IFN023	514	8	
17277	Illicit Discharge Detection	02/20/2020 11:04	rkeats	CLOSED	02/20/2020 11:04	O	INFLOW	IFO020	INFLOW	IFO020	676	8	
17276	Illicit Discharge Detection	02/20/2020 11:05	rkeats	CLOSED	02/20/2020 11:05	O	INFLOW	IFO021	INFLOW	IFO021	677	8	
17289	Illicit Discharge Detection	02/20/2020 11:08	rkeats	CLOSED	02/20/2020 11:08	O	INFLOW	IFO023	INFLOW	IFO023	664	8	
17275	Illicit Discharge Detection	02/20/2020 11:11	rkeats	CLOSED	02/20/2020 11:11	O	INFLOW	IFO025	INFLOW	IFO025	678	8	
17280	Illicit Discharge Detection	02/20/2020 12:37	rkeats	CLOSED	02/20/2020 12:37	O	INFLOW	IFO029	INFLOW	IFO029	673	8	
17285	Illicit Discharge Detection	02/20/2020 12:38	rkeats	CLOSED	02/20/2020 12:38	O	INFLOW	IFO068	INFLOW	IFO068	668	8	
17281	Illicit Discharge Detection	02/20/2020 12:39	rkeats	CLOSED	02/20/2020 12:39	O	INFLOW	IFO028	INFLOW	IFO028	672	8	
17282	Illicit Discharge Detection	02/20/2020 12:39	rkeats	CLOSED	02/20/2020 12:39	O	INFLOW	IFO066	INFLOW	IFO066	671	8	
17284	Illicit Discharge Detection	02/20/2020 12:40	rkeats	CLOSED	02/20/2020 12:40	O	INFLOW	IFO069	INFLOW	IFO069	669	8	
17283	Illicit Discharge Detection	02/20/2020 12:40	rkeats	CLOSED	02/20/2020 12:40	O	INFLOW	IFO070	INFLOW	IFO070	670	8	
17279	Illicit Discharge Detection	02/20/2020 12:49	rkeats	CLOSED	02/20/2020 12:49	O	INFLOW	IFO022	INFLOW	IFO022	674	8	
17278	Illicit Discharge Detection	02/20/2020 12:52	rkeats	CLOSED	02/20/2020 12:52	O	INFLOW	IFO024	INFLOW	IFO024	675	8	
17272	Illicit Discharge Detection	02/20/2020 02:06	rkeats	CLOSED	02/20/2020 02:06	O	INFLOW	IFO071	INFLOW	IFO071	688	8	
17288	Illicit Discharge Detection	02/20/2020 02:08	rkeats	CLOSED	02/20/2020 02:08	O	INFLOW	IFO034	INFLOW	IFO034	665	8	
17287	Illicit Discharge Detection	02/20/2020 02:12	rkeats	CLOSED	02/20/2020 02:12	O	INFLOW	IFO035	INFLOW	IFO035	666	8	
17286	Illicit Discharge Detection	02/20/2020 02:12	rkeats	CLOSED	02/20/2020 02:12	O	INFLOW	IFO033	INFLOW	IFO033	667	8	
17362	Illicit Discharge Detection	02/20/2020 02:26	rkeats	CLOSED	02/20/2020 02:26	Q	INFLOW	IFQ023	INFLOW	IFQ023	477	8	
17361	Illicit Discharge Detection	02/20/2020 02:26	rkeats	CLOSED	02/20/2020 02:26	Q	INFLOW	IFQ024	INFLOW	IFQ024	478	8	
17360	Illicit Discharge Detection	02/20/2020 02:26	rkeats	CLOSED	02/20/2020 02:26	Q	INFLOW	IFQ025	INFLOW	IFQ025	479	8	
17359	Illicit Discharge Detection	02/20/2020 02:26	rkeats	CLOSED	02/20/2020 02:26	Q	INFLOW	IFQ026	INFLOW	IFQ026	480	8	
17358	Illicit Discharge Detection	02/20/2020 02:27	rkeats	CLOSED	02/20/2020 02:27	Q	INFLOW	IFQ027	INFLOW	IFQ027	481	8	
17357	Illicit Discharge Detection	02/20/2020 02:27	rkeats	CLOSED	02/20/2020 02:27	Q	INFLOW	IFQ028	INFLOW	IFQ028	482	8	
17356	Illicit Discharge Detection	02/20/2020 02:27	rkeats	CLOSED	02/20/2020 02:27	Q	INFLOW	IFQ029	INFLOW	IFQ029	483	8	
17355	Illicit Discharge Detection	02/20/2020 02:27	rkeats	CLOSED	02/20/2020 02:27	Q	INFLOW	IFQ030	INFLOW	IFQ030	484	8	
17354	Illicit Discharge Detection	02/20/2020 02:28	rkeats	CLOSED	02/20/2020 02:28	Q	INFLOW	IFQ031	INFLOW	IFQ031	485	8	
17353	Illicit Discharge Detection	02/20/2020 02:28	rkeats	CLOSED	02/20/2020 02:28	Q	INFLOW	IFQ032	INFLOW	IFQ032	486	8	
17352	Illicit Discharge Detection	02/20/2020 02:28	rkeats	CLOSED	02/20/2020 02:28	Q	INFLOW	IFQ049	INFLOW	IFQ049	487	8	
17308	Illicit Discharge Detection	02/20/2020 02:29	rkeats	CLOSED	02/20/2020 02:29	Q	INFLOW	IFQ033	INFLOW	IFQ033	555	8	
17307	Illicit Discharge Detection	02/20/2020 02:29	rkeats	CLOSED	02/20/2020 02:29	Q	INFLOW	IFQ034	INFLOW	IFQ034	556	8	
17408	Illicit Discharge Detection	02/21/2020 08:04	jgiovenco	CLOSED	02/21/2020 08:04	P	INFLOW	IFP028	INFLOW	IFP028	323	8	
17409	Illicit Discharge Detection	02/21/2020 08:18	jgiovenco	CLOSED	02/21/2020 08:18	P	INFLOW	IFP025	INFLOW	IFP025	322	8	

17407	Illicit Discharge Detection	02/21/2020 08:21	jgiovenco	CLOSED	02/21/2020 08:21	P	INFLOW	IFP026	INFLOW	IFP026	324	8
17410	Illicit Discharge Detection	02/21/2020 08:32	jgiovenco	CLOSED	02/21/2020 08:32	P	INFLOW	IFP024	INFLOW	IFP024	321	8
17411	Illicit Discharge Detection	02/21/2020 08:41	jgiovenco	CLOSED	02/21/2020 08:41	P	INFLOW	IFP021	INFLOW	IFP021	320	8
17413	Illicit Discharge Detection	02/21/2020 08:49	jgiovenco	CLOSED	02/21/2020 08:49	P	INFLOW	IFP022	INFLOW	IFP022	318	8
17412	Illicit Discharge Detection	02/21/2020 08:50	jgiovenco	CLOSED	02/21/2020 08:50	P	INFLOW	IFP043	INFLOW	IFP043	319	8
17414	Illicit Discharge Detection	02/21/2020 08:54	jgiovenco	CLOSED	02/21/2020 08:54	P	INFLOW	IFP023	INFLOW	IFP023	317	8
17418	Illicit Discharge Detection	02/21/2020 09:10	jgiovenco	CLOSED	02/21/2020 09:10	P	INFLOW	IFP027	INFLOW	IFP027	313	8
17415	Illicit Discharge Detection	02/21/2020 09:27	jgiovenco	CLOSED	02/21/2020 09:27	P	INFLOW	IFP029	INFLOW	IFP029	316	8
17368	Illicit Discharge Detection	02/21/2020 10:21	jgiovenco	CLOSED	02/21/2020 10:21	Q	INFLOW	IFQ005	INFLOW	IFQ005	472	8
17367	Illicit Discharge Detection	02/21/2020 10:22	jgiovenco	CLOSED	02/21/2020 10:22	Q	INFLOW	IFQ006	INFLOW	IFQ006	473	8
17344	Illicit Discharge Detection	02/21/2020 10:41	jgiovenco	CLOSED	02/21/2020 10:41	Q	INFLOW	IFQ048	INFLOW	IFQ048	495	8
17345	Illicit Discharge Detection	02/21/2020 10:42	jgiovenco	CLOSED	02/21/2020 10:42	Q	INFLOW	IFQ047	INFLOW	IFQ047	494	8
17363	Illicit Discharge Detection	02/21/2020 10:42	jgiovenco	CLOSED	02/21/2020 10:42	Q	INFLOW	IFQ046	INFLOW	IFQ046	496	8
17350	Illicit Discharge Detection	02/21/2020 10:42	jgiovenco	CLOSED	02/21/2020 10:42	Q	INFLOW	IFQ039	INFLOW	IFQ039	489	8
17349	Illicit Discharge Detection	02/21/2020 10:43	jgiovenco	CLOSED	02/21/2020 10:43	Q	INFLOW	IFQ040	INFLOW	IFQ040	490	8
17351	Illicit Discharge Detection	02/21/2020 10:43	jgiovenco	CLOSED	02/21/2020 10:43	Q	INFLOW	IFQ041	INFLOW	IFQ041	488	8
17348	Illicit Discharge Detection	02/21/2020 10:43	jgiovenco	CLOSED	02/21/2020 10:43	Q	INFLOW	IFQ042	INFLOW	IFQ042	491	8
17347	Illicit Discharge Detection	02/21/2020 10:43	jgiovenco	CLOSED	02/21/2020 10:43	Q	INFLOW	IFQ043	INFLOW	IFQ043	492	8
17343	Illicit Discharge Detection	02/21/2020 10:44	jgiovenco	CLOSED	02/21/2020 10:44	Q	INFLOW	IFQ045	INFLOW	IFQ045	497	8
17346	Illicit Discharge Detection	02/21/2020 10:44	jgiovenco	CLOSED	02/21/2020 10:44	Q	INFLOW	IFQ044	INFLOW	IFQ044	493	8
17376	Illicit Discharge Detection	02/21/2020 10:57	jgiovenco	CLOSED	02/21/2020 10:57	P	INFLOW	IFP032	INFLOW	IFP032	463	8
17377	Illicit Discharge Detection	02/21/2020 10:57	jgiovenco	CLOSED	02/21/2020 10:57	P	INFLOW	IFP031	INFLOW	IFP031	462	8
17379	Illicit Discharge Detection	02/21/2020 10:57	jgiovenco	CLOSED	02/21/2020 10:57	P	INFLOW	IFP030	INFLOW	IFP030	461	8
17510	Illicit Discharge Detection	02/21/2020 12:24	jgiovenco	CLOSED	02/21/2020 12:24	S	INFLOW	IFS002	INFLOW	IFS002	189	8
17509	Illicit Discharge Detection	02/21/2020 12:32	jgiovenco	CLOSED	02/21/2020 12:32	S	INFLOW	IFS001	INFLOW	IFS001	192	8
17271	Illicit Discharge Detection	02/21/2020 12:41	jgiovenco	CLOSED	02/21/2020 12:41	Q	INFLOW	IFQ050	INFLOW	IFQ050	696	8
17506	Illicit Discharge Detection	02/21/2020 12:49	jgiovenco	CLOSED	02/21/2020 12:49	Q	INFLOW	IFQ035	INFLOW	IFQ035	190	8
17388	Illicit Discharge Detection	02/21/2020 12:51	jgiovenco	CLOSED	02/21/2020 12:51	Q	INFLOW	IFQ021	INFLOW	IFQ021	452	8
17508	Illicit Discharge Detection	02/21/2020 12:53	jgiovenco	CLOSED	02/21/2020 12:53	Q	INFLOW	IFQ036	INFLOW	IFQ036	191	8
17384	Illicit Discharge Detection	02/21/2020 12:56	jgiovenco	CLOSED	02/21/2020 12:56	Q	INFLOW	IFQ019	INFLOW	IFQ019	456	8
17382	Illicit Discharge Detection	02/21/2020 01:07	jgiovenco	CLOSED	02/21/2020 01:07	Q	INFLOW	IFQ016	INFLOW	IFQ016	458	8
17381	Illicit Discharge Detection	02/21/2020 01:07	jgiovenco	CLOSED	02/21/2020 01:07	Q	INFLOW	IFQ017	INFLOW	IFQ017	459	8
17385	Illicit Discharge Detection	02/21/2020 01:07	jgiovenco	CLOSED	02/21/2020 01:07	Q	INFLOW	IFQ018	INFLOW	IFQ018	455	8
17383	Illicit Discharge Detection	02/21/2020 01:25	jgiovenco	CLOSED	02/21/2020 01:25	Q	INFLOW	IFQ015	INFLOW	IFQ015	457	8
17380	Illicit Discharge Detection	02/21/2020 01:35	jgiovenco	CLOSED	02/21/2020 01:35	Q	INFLOW	IFQ020	INFLOW	IFQ020	460	8
17375	Illicit Discharge Detection	02/21/2020 01:54	jgiovenco	CLOSED	02/21/2020 01:54	Q	INFLOW	IFQ022	INFLOW	IFQ022	464	8
17387	Illicit Discharge Detection	02/21/2020 02:13	jgiovenco	CLOSED	02/21/2020 02:13	Q	INFLOW	IFQ014	INFLOW	IFQ014	453	8
17386	Illicit Discharge Detection	02/21/2020 02:19	jgiovenco	CLOSED	02/21/2020 02:19	Q	INFLOW	IFQ013	INFLOW	IFQ013	454	8

Appendix D
BMP Section D

§ 154.196 - WETLANDS, STREAMS, AND AQUATIC RESOURCES PROTECTION OVERLAY DISTRICT.

(A) General Purpose: The purpose of this wetlands, streams, and aquatic resources protection ordinance shall be to protect persons and property within and adjacent to wetlands from potentially hazardous geological and hydrological conditions; prevent environmental degradation of the land and water, and ensure that development enhances rather than detracts from or ignores the natural topography, resources, amenities, and fragile environment of wetlands within the village.

All development proposals adjacent to or within the designated areas shall take into account and be judged by the application of current understanding of land use planning, soil mechanics, engineering geology, hydrology, civil engineering, environmental and civil design architecture and landscape architecture in wetland areas. Such current understanding is hereby found to include, but is not limited to:

(1) Planning of development adjacent to wetlands to fit the topography, soils, geology, hydrology and other conditions existing on the proposed site.

(2) Orienting development so that grading, excavation, landscaping and other site preparation is kept to an absolute minimum impact on the wetlands area.

(3) Minimizing disruption of existing land and animal life.

(4) Minimizing disruption of alteration of natural drainageways.

(5) Timing of development activities so as to minimize impact on wetland areas.

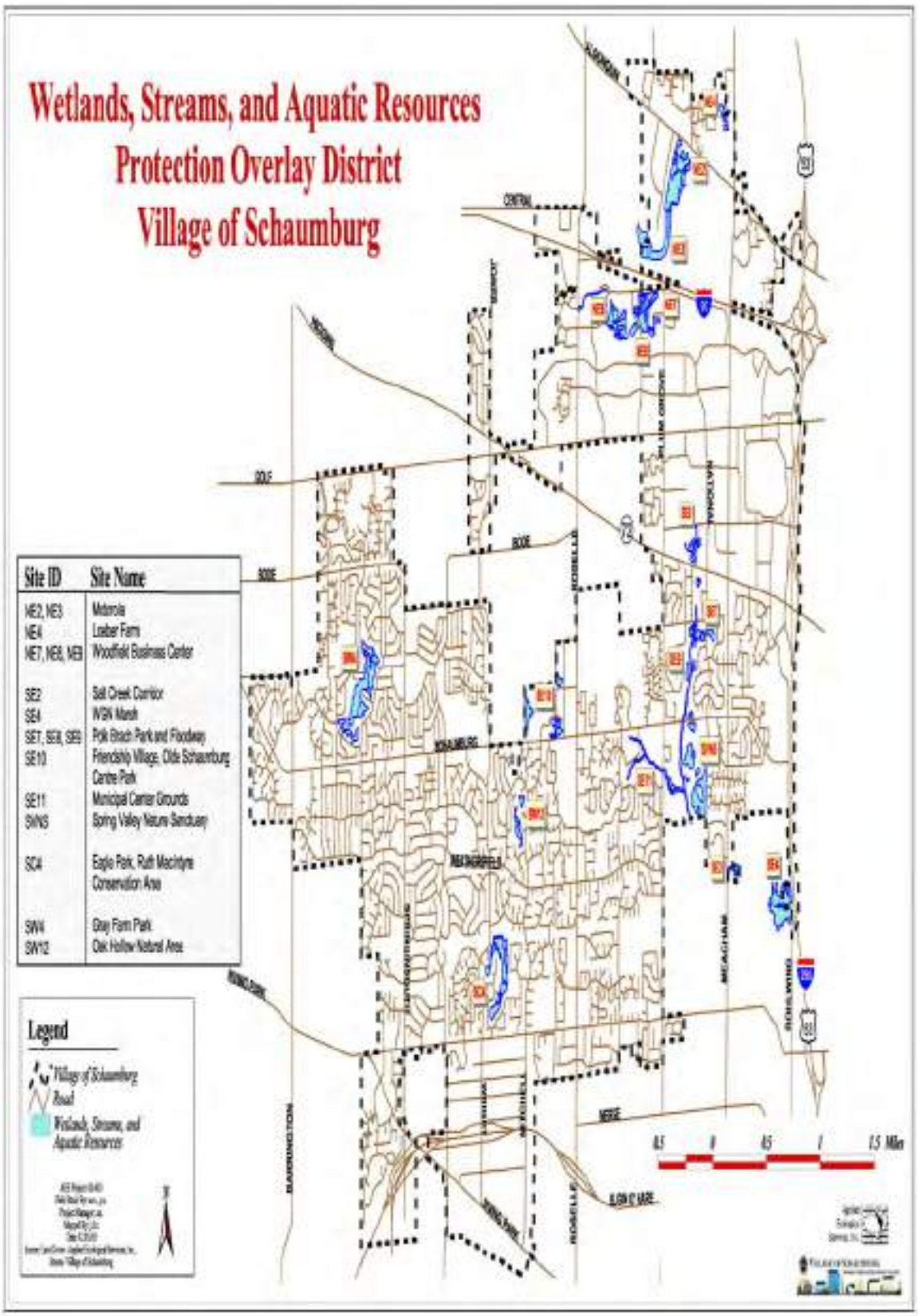
(6) Landscaping areas around structures to blend with natural landscapes.

(7) Demonstrating a concern for the view of, as well as from, wetland areas.

(B) Protected Sites: The procedures, standards and requirements contained in this section shall apply to all lots immediately adjacent to and within the areas designated on a map labeled wetlands, streams, and aquatic resources protection overlay district, which is made to be part of this chapter and have the same force and effect as if all the notations, references and descriptions shown thereon were set forth or described herein. Designated areas are shown on Exhibit A below, and areas that may be approved from time to time and be made exhibits hereto.

Exhibit A

Wetlands, Streams, and Aquatic Resources Protection Overlay District Village of Schaumburg



(C) Special Use Permit for Construction: No building, wall, dam or structure intended for permanent use shall be erected, constructed, altered, enlarged or otherwise created or moved for any purpose unless a special use permit from the village board is granted. Dumping, filling, excavating or transferring of any earth material within the district is prohibited unless a special use permit is granted. However, normal gardening or farming are not subject to these requirements.

No ponds or pools shall be created, and no changes in watercourses for recreational use, conventional stormwater management practices, agricultural uses or scenic features shall be allowed unless a special use permit is granted. Exceptions to stormwater management use include practices that enhance water quality and promote infiltration of stormwater through use of best management practices as defined in this chapter. As applicable, practices shall also conform to NPDES standards.

No special use permit shall be issued unless the applicant, in support of his application, submits engineering data, surveys, site plans and other information as the village may require in order to determine the effects of such development on the affected land and water areas.

(D) Required Plans and Development Standards: Plans and reports complying with the standards set forth herein shall be submitted to and approved by the village in the application for special use permit for construction in wetlands or within one hundred (100) linear feet of the edge of the designated wetlands, said edge to be determined as that point at which the natural edge of a wetlands area commences.

(1) Geological and Soil Characteristics: The site proposed for development shall be investigated to determine the soil and geological characteristics. A report, prepared by a licensed professional engineer experienced in the practice of geological and soils mechanics, shall be submitted with every application for land development or special use permit within the wetlands protection district. This report shall include a description of soil type, stability of surface, and subsurface hydrological conditions. Any area which the investigation indicates as subject to geological or soil hazards or subsurface seepage shall not be developed unless the engineer can demonstrate to the Village of Schaumburg conclusively that these hazards to the wetlands can be overcome.

(2) Site Grading and Excavation: A grading and excavation plan, prepared by a registered professional engineer, trained and experienced in civil engineering, shall be submitted with each application for a special use permit and shall include the following:

(a) Property contours at one foot (1') intervals.

(b) Details of the existing terrain and drainage pattern.

(c) Dimensions, elevations and contours of proposed grading, excavation and fill.

(d) A description of methods to be employed in disposing of soil and other materials that is removed from allowable grading and excavation sites, including location of the disposal site if on the property.

(e) A schedule showing when each stage of the project will be completed, including the total acreage of soil surface to be disturbed during each stage and estimated starting and completion dates. The schedule shall be prepared so as to limit, to the shortest possible period, the time the soil is exposed and unprotected in order to prevent or minimize soil erosion. In no case shall the existing natural vegetation be destroyed, removed or disturbed prior to the issuance of a land development or special use permit.

(3) Vegetation and Revegetation: A detailed description shall be submitted detailing the revegetation and stabilization methods to be employed. Additionally, a landscape plan prepared by a professional landscape architect, or a native ecological restoration plan prepared by an ecologist, shall be submitted with each application for a special use permit and contain the following:

(a) A plan illustrating the existing vegetation within the property and showing those areas where the vegetation will be removed as part of the proposed construction.

(b) A plan describing the proposed revegetation of disturbed areas specifying the plant materials to be used by Latin and common name.

(4) Wetland Delineation Report: A wetland delineation report prepared per the U.S. Army Corps of Engineers 1987 Manual.

(5) Construction Requirements: Unless otherwise noted, the following restrictions, requirements and standards shall apply to all construction within a designated wetlands area:

(a) Every effort shall be made to develop the site in such a manner so as to minimize the alteration of the natural topography and avoid negative impacts.

(b) With the exception of minimal grading, clearing and excavation as may be required for drainage control structures, ecological restoration, and residential yard areas, substantial site grading, filling, terracing, and excavation shall be prohibited.

(c) No grading, filling, cleaning, clearing, terracing or excavation of any kind shall be initiated until a special use permit is granted by the village board, final engineering plans are approved, and a land development permit is issued.

(d) The depositing of any excavation, grading or clearing material within a designated wetlands area shall be prohibited unless approved as part of a special use permit.

(6) Stormwater Management: A stormwater management plan, prepared by a registered engineer experienced in civil engineering, shall be submitted with each application in accordance with chapters 150, "Flood Control", and 151, "Subdivision and Land Development", of this title.

Unless otherwise noted, the following restrictions, requirements and standards shall apply to all construction within an area designated on exhibit A attached to the ordinance codified herein and on file in the village clerk's office.

(a) Natural open drainageways shall be preserved.

(b) Except for approved drainage structures, recreation, and open space uses which do not involve the destruction of vegetative cover or alter the natural drainageways, development shall be prohibited unless approved at the village's discretion by a special use permit.

(Ord. 163, passed 12-5-1961; Am. Ord. 2055, passed 9-22-1981; Am. Ord. 95-34, passed 3-28-1995; Am. Ord. 95-62, passed 6-13-1995; Am. Ord. 97-152, passed 12-9-1997; Am. Ord. 04-54, passed 4-27-2004)

Watershed Management Ordinance

Effective

May 1, 2014

As amended

April 4, 2019

METROPOLITAN WATER RECLAMATION DISTRICT OF GREATER CHICAGO

100 EAST ERIE STREET
CHICAGO, ILLINOIS 60611
(312) 751-5600

BOARD OF COMMISSIONERS

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Hon. Barbara J. McGowan, *Vice President*
Hon. Frank Avila, *Chairman of Finance*
Hon. Cameron Davis
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Jacqueline Torres, *Clerk/Director of Finance*

Board of Commissioners and Officers listed as of the date of amendment – April 4, 2019

AN ORDINANCE

AN ORDINANCE HEREINAFTER KNOWN AS THE "WATERSHED MANAGEMENT ORDINANCE," ADOPTED BY THE BOARD OF COMMISSIONERS, METROPOLITAN WATER RECLAMATION DISTRICT OF GREATER CHICAGO, ON OCTOBER 3, 2013 AND AS AMENDED TO, AND INCLUDING, APRIL 17, 2014, MAY 1, 2014, JULY 10, 2014, FEBRUARY 15, 2018, AND APRIL 4, 2019

Managing Stormwater

The WMO aims to protect public health, safety, and welfare, and Cook County homes and businesses from flood damage by managing and mitigating the effects of development and redevelopment on stormwater drainage. It provides uniform minimum stormwater management regulations for Cook County that are consistent with the region.

The WMO replaces the MWRD's repealed Sewer Permit Ordinance (SPO). WMO permit requirements are more comprehensive than those of the SPO.

How it Works

The WMO establishes rules and guidelines for development to ensure that flooding problems are not exacerbated. Permits are required prior to start of construction for new projects as described inside.

Single Family Homes

The WMO was not intended to regulate most single family homes. When a new development is located in or near a Flood Protection Area, a permit may be required. See "WMO: A Quick Guide for Homeowners" and the WMO.

For More Information
please visit wmo.mwrd.org
or contact the MWRD at 312.751.3255
or WMOInbox@mwrd.org

WMO: A Quick Guide for Developers

This pamphlet is an introduction for developers to the requirements and permit compliance process of the Metropolitan Water Reclamation District of Greater Chicago's Watershed Management Ordinance.

mwrd.org 312.751.6633

Find us on Facebook and Twitter

Metropolitan Water Reclamation District of Greater Chicago

A Quick Guide for Developers

Watershed Management Ordinance

Permit Application Process

Please visit wmo.mwrd.org to download the following resources:

- Permit forms;
- Submittal checklists;
- Permitting flowcharts.

If you have further questions about the WMO application process or require a written permit determination, please contact us at:

Metropolitan Water Reclamation
District of Greater Chicago
Local Sewer Systems Section
111 East Erie Street
Chicago, IL 60611-2893
312.751.3255

Permit Fees

The base fees include the following:

Watershed Management Permit: $1,100

NRI ('Short Form' permit): $250

Facility Connection Authorization: $1,000 (within City of Chicago)

Permit Revision: $500

Single Family Home: No Fees

Additional fees may be required depending on the type of development. Please visit wmo.mwrd.org for information on other required fees.

Review Times

Initial submittal review for developments not within Flood Protection Areas will be complete within 15 working days. Initial submittal review for developments within Flood Protection Areas will be complete within 30 working days. Resubmittal review time is 10 working days.

Permits are Required for:

Development (Grading, Paving, Excavation, Etc.)

- Disturbances of more than 0.5 acres (some exemptions apply);
- Reconfiguration of existing major or minor stormwater systems which alter the service areas of a site detention facility;
- Modifications to a detention facility.

Flood Protection Areas (Floodway, Floodplain, Wetlands, Riparian Environments)

- Development within a Flood Protection Area or an indirect impact to a wetland;
- Foundation expansion that constitutes a substantial improvement of an existing building, as determined by the local municipality, that is located in the regulatory floodplain.

Qualified Sewer Construction (Sanitary or Combined Sewers)

- Sewers, drainage, or detention in combined sewer areas tributary to combined sewers;
- Qualified sewer construction within MWRD's service area;
- Non-residential private treatment systems.

MWRD Impacts

- Direct connections to an MWRD interceptor, reservoir, facility, or TARP structure;
- New or reconstructed sewers, drainage, or detention outfalls to waterways or Lake Michigan;
- Stormwater discharges directly to MWRD property.

Developments Exempt from WMO Provisions:

- In-kind replacement of pervious area
- Pavement maintenance, repair, or in-kind replacement;
- Utility maintenance, repair, or in-kind replacement, excluding qualified sewer construction;
- Projects involving the modification of a septic system, potable water service line, or utility that serves an existing structure;
- Projects undertaken solely by state and federal agencies, excluding qualified sewer construction;
- Public flood control projects;
- All development within the City of Chicago, unless it involves:
  - An outfall to a waterway or Lake Michigan;
  - Stormwater discharges to MWRD property;
  - Connections to an MWRD sewer, interceptor, or TARP structure.

For more details see complete definitions for Development, Flood Protection Areas, and Qualified Sewer construction in the Watershed Management Ordinance, Appendix A.

Managing Stormwater

The WMO aims to protect public health, safety, and welfare, and Cook County homes and businesses from flood damage by managing and mitigating the effects of development and redevelopment on stormwater drainage. It provides uniform minimum stormwater management regulations for Cook County that are consistent with the region.

The WMO replaces the MWRD's repealed Sewer Permit Ordinance (SPO). WMO permit requirements are more comprehensive than those of the SPO.

Single Family Homes

The WMO is not intended to regulate most single family homes. A permit is generally only required for single family home development that involves a Flood Protection Area or requires an extension of a public sewer to serve the parcel. These types of development are regulated under the WMO because they can have a significant potential for loss of property from flood drainage. Unlike residential subdivisions, single family home developments are exempt from the stormwater provisions of the WMO.

The WMO defines a "single family home" as a residential parcel containing less than 3 dwelling units. This does not include single family home parcels subdivided after May 1, 2014.

For More Information

please visit wmo.mwrd.org
or contact the MWRD at 312.751.3255
or WMOInbox@mwrd.org

WMO: A Quick Guide for Homeowners

This pamphlet is an introduction for homeowners to the requirements and permit compliance process of the Metropolitan Water Reclamation District of Greater Chicago's Watershed Management Ordinance.

mwrd.org 312.751.6633

Find us on Facebook and Twitter

Metropolitan Water Reclamation District of Greater Chicago

A Quick Guide for Homeowners

Watershed Management Ordinance

Permit Application Process

If your home requires a permit, submit a Special Flood Hazard Area (SFHA) permit form (available at mwrd.org) along with supporting documentation to the MWRD. Send these materials to:

Metropolitan Water Reclamation District
of Greater Chicago
Local Sewer Systems Section
111 East Erie Street
Chicago, IL 60611-2893
Phone: 312.751.3255

Supporting documentation includes:

- Copy of most recent FEMA FIRM;
- Base Flood Elevation and waterway;
- Lowest floor elevation of single family home;
- Lowest entry elevation of single family home.

The "lowest floor elevation" is the elevation of the lowest floor of the enclosed area of the home, including basements. The lowest entry elevation is the elevation at which water can enter the home (doorway threshold, windowsill, etc.). For basements without waterproof window wells, the lowest entry elevation is the bottom of the window sill.

All elevations must be certified by either a Professional Engineer or Professional Land Surveyor.

For single family homes requiring a regular WMO permit, see "WMO: A Quick Guide for Developers." All forms can be found at wmo.mwrd.org.

Permit Fees

Single family home SFHA Permit: No Fees

Regular WMO Permit: See WMO Fee Schedule at wmo.mwrd.org.

Review Times

Initial submittal review will be completed within 15 working days. Resubmittal review time is 10 working days.

A SFHA Permit is Required for Single Family Home Development:

- On a parcel which contains regulatory floodway according to the FEMA FIRM;
- On a parcel which is within 100 feet of a Zone "A" or "AE" Floodplain, according to the FEMA FIRM;
- Within 100 feet of an identified riparian environment or wetland.

A Regular WMO Permit is Required for Development:

- Requiring an extension of public sewer to serve the parcel;
- Impacting a wetland.

Single Family Home Development Includes:

- Construction of a new single family home building;
- A foundation expansion to an existing single family home that is considered a substantial improvement by the local municipality;
- Elevating an existing home.
- A permit is not required for development that consists solely of interior work or maintenance activities, such as repaving a driveway, replacing a roof, etc.

Development in Regulatory Floodways

The WMO specifies certain types of "appropriate uses" for development within regulatory floodways. The construction of non-habitable accessory structures, such as a detached garage or a storage shed, that do not block flood flows is considered an appropriate use. Construction of a new single family home in a regulatory floodway is not considered an appropriate use.

Helpful Definitions

100-Year Flood: Flooding event having a one percent chance of being equaled or exceeded in magnitude in any given year. Contrary to popular belief, it is not a flood occurring once every 100 years. The 100-year flood is otherwise known as the base flood.

Base Flood Elevation (BFE): The elevation of the floodwaters during a 100-year, or base flood event.

FIRM: Flood Insurance Rate Map (FIRM). A map issued by the Federal Emergency Management Agency (FEMA) that shows the limits of special hazard areas. These can be found at msc.fema.gov/portal.

Flood Protection Areas: Regulatory floodplains, regulatory floodways, riparian environments, wetlands, and wetland buffers.

Flood Protection Elevation (FPE): The base flood elevation plus two feet at any given location in the flood hazard area.

Regulatory Floodplain: Land area adjacent to a river, stream, lake, estuary, or other water body that is subject to flooding. This area acts to store excess floodwater.

Regulatory Floodway: Carries the bulk of the floodwater downstream and is usually the area where water velocities and forces are the greatest. National Flood Insurance Program (NFIP) regulations require that the floodway be kept open and free from development or other structures that would obstruct or divert flood flows onto other properties.

Riparian Environment: The vegetated area that surrounds a body of water. Riparian environments provide flood management, habitat for animals and water quality benefits.

Service Sewer: A sewer on private property that receives flow from a single building and connects to a sewer main or lateral.

Wetlands: Areas which are covered or saturated with water long enough to support plants typically adapted for life in wet soil conditions. Wetlands generally include swamps, marshes, bogs, and similar areas.

VILLAGE PERMIT APPLICATION-COMMERCIAL

VILLAGE OF SCHAUMBURG
COMMUNITY DEVELOPMENT DEPARTMENT
101 Schaumburg Ct., Schaumburg, IL 60193-1899
(ph) 847.923.4420 • (fax) 847.923.2444

Permit Number(s)_____

Property Information

Address of Project		Suite #
PIN #		

Tenant Information

Name			☐New Tenant ☐ Existing Tenant
Phone		Type of Business:	

Owner Information

Name		Total Tenant Square Footage (Gross)	Square Footage for Remodeling (Net)
Address			
Zip Code			
Phone #			
Email			

Permit Type (select all that apply)

☐ Addition* Sq. Ft._____
☐ Air Conditioning $165+$26 ea add'l unit
☐ Alteration*
☐ Alteration, Minor (drywall, minor interior work, etc.) $387
☐ Antenna $242
☐ Demolition of Building $560
☐ Drives/Loading Docks $260
☐ Elevator $108
☐ Façade, Major Renovation $360
☐ Foundation $903
☐ Foundation repair $100
☐ Generator $160
☐ Misc. Commercial (interior concrete, handrail work, etc.) $105
☐ New Construction* Sq. Ft._____
☐ Plumbing $47 + $12 per each additional opening

☐ Roofing* Sq. Ft._____
☐ Seasonal Outdoor Seating $50
☐ Sewer Connection $88
☐ Sewer Repair $113
☐ Sidewalk/Stoop (concrete or brick) $260
☐ Swimming Pool $360
☐ Trailer $190
☐ Underground Sprinklers $160 + $40 if ROW required
☐ Water Heater $103
☐ Water Meter Fee Based on Size
☐ Wind or Solar Energy System $215
☐ Other _____

* Fees are calculated based on square footage. Health and Plumbing fees are calculated separately (if applicable).

☐ Land Development, Retaining Wall $50 less than 3 feet; 3 feet or more $100
☐ Land Development, Major w/detention[a]
☐ Land Development, Major w/o detention $2,063
☐ Parking Lot Striping[b]
☐ Site or Parking Lot Maintenance/Repair $250/$500[c]
☐ Wetland Review $2,580 under one acre, $5,158 one acre and over

[a] Fees are calculated based on acreage

[b] Fees are calculated based on number of parking spaces

[c] Based on plan review of project scope

Estimated Cost of Project:

Description of work to be performed (including dimensions if applicable)

FEE TOTAL

Applicant's Printed Name_____

Company_____

Phone Number_____

Email Address_____

Signature_____

Your signature indicates your comprehension and acknowledgment of all application information **6/16**

VILLAGE OF SCHAUMBURG

PROJECT INFORMATION SHEET

COMMUNITY DEVELOPMENT DEPARTMENT
101 Schaumburg Ct., Schaumburg, IL 60193-1899
(ph) 847.923.4420 • (fax) 847.923.2444

PROJECT ADDRESS_____ PERMIT NUMBER(S)_____

✱ Note: All contractors must be licensed to perform work in the Village of Schaumburg.

Contractor Type	Company Name, Address, Phone Number and Email Address. Mark N/A if Not Applicable.
General	
Carpenter	
Concrete	
Electrical	
Landscaping	
Drywall	
Painting/Decorating	
Pavement/Asphalt	
Plumber Copy of State License & Letter of Intent Required	
Roofer Copy of State License Required	
Sewer/Water	
Sheet Metal/HVAC	
Siding	
Steel Erector	
Other (Demolition, Excavator, Mason, Tile Setter, etc)	
Other Contacts	
Developer	
Architect	
Engineer	
Other (Please List)	

VILLAGE PERMIT APPLICATION-RESIDENTIAL

VILLAGE OF SCHAUMBURG

COMMUNITY DEVELOPMENT DEPARTMENT
101 Schaumburg Ct., Schaumburg, IL 60193-1899
(ph) 847.923.4420 • (fax) 847.923.2444

Permit Number(s)_____

Property Information

Address of Project	
Subdivision / PIN #	

Owner Information

Name		Is this a rental property? ☐ Yes ☐ No
Address		
Zip Code		Is this property currently occupied? ☐ Yes ☐ No
Phone #		
Email		

Permit Type (select all that apply)

☐ Addition (conditioned four season room) $930 Sq. Ft._____

☐ Addition (unconditioned three season room) $440 Sq. Ft._____

☐ Alteration, Major (garage renovation, finish basement, etc.) $620

☐ Alteration, Minor (remove partial wall, minor bath/kitchen work, etc.) $78

☐ Accessory Structure, Other (pergola, gazebo, greenhouse, trellis, etc.) $50

☐ Deck/Balcony/Porch $60

☐ Demolition (accessory structure) $100

☐ Demolition (house) $300

☐ Driveway (concrete, asphalt, or brick) $105 Please answer the following:

B-Box on driveway? ☐ Yes ☐ No

☐ Driveway repair (less than 50%) $50

☐ Fireplace $108

☐ Foundation $170

☐ Foundation repair $100

☐ Garage, Attached $440

☐ Garage, Detached $415

☐ Generator $20

☐ Land Development (sump pump line, grading, drain tile, etc.) $20

☐ New Construction $2,888

☐ New Construction, Teardown $6,065

☐ Patio (concrete or brick) $60

☐ Repair (drywall, insulation, sub floor, etc.) $25

☐ Retaining Wall $50, $100

☐ Sewer Connection $88

☐ Shed $50

☐ Sidewalk/Stoop (concrete or brick) $50

☐ Site/Parking Lot Maintenance & Repair $50 up to $150

☐ Swimming Pool, Above Ground $54

☐ Swimming Pool, In-Ground $207

☐ Underground Sprinklers $40

☐ Water Meter $ Based on Size

☐ Other _____

*Plumbing fees (if applicable) are calculated separately.

Estimated Construction Costs

Description of work to be performed

Include dimensions of project,

location, etc.)

FEE TOTAL

Applicant's Printed Name_____

Company _____

Phone Number _____

Email Address _____

Signature_____

Your signature indicates your comprehension and acknowledgment of all application information

VILLAGE OF SCHAUMBURG

PROJECT INFORMATION SHEET

COMMUNITY DEVELOPMENT DEPARTMENT
101 Schaumburg Ct., Schaumburg, IL 60193-1899
(ph) 847.923.4420 • (fax) 847.923.2444

PROJECT ADDRESS_____ PERMIT NUMBER(S)_____

_____

❋ Note: All contractors must be licensed to perform work in the Village of Schaumburg.

Contractor Type	Company Name, Address, Phone Number and Email Address
General	
Carpenter	
Concrete	
Electrical Name of Registered Electrician Registered at (name of municipality)	
Landscaping	
Mason	
Painting/Decorating	
Pavement/Asphalt	
Plumber Copy of State License Required	
Roofer Copy of State License Required	
Sewer/Septic	
Sheet Metal/HVAC	
Siding	
Other (Demolition, Excavator, Drywall, Tile Setter, etc)	
Other Contacts	
Developer	
Architect	
Engineer	
Other (Please List)	

SITE & LAND DEVELOPMENT

A Land Development Permit is required for commercial and residential development where detention is required or when an outside agency permit is also required for the work. Land Development Permits are also issued for maintenance and repair work at commercial and residential properties.

The Community Development Department is responsible for issuing Land Development Permits for all site work at Residential and Commercial developments within the village limits. The department also reviews all proposed projects for conformance with the Subdivision Control Ordinance and all other applicable federal, state, and local laws, rules, and regulations. The Land Development Permit fees are based on the current village fee schedule. The fees are related to the type of work being done and the size of the project area.

Submittal Requirements

- **Commercial village permit application**
- Three sets of complete engineering drawings
- Two complete sets of landscape plans
- Two copies of the stormwater management report
- An engineer's opinion of probable construction cost
- Tree protection fencing must be installed and approved by the village
- A 2-year **project security** for 50% of the approved engineer's cost estimate
- One draft copy of the MWRD permit application for the sanitary sewer, if required
- One draft copy of the IEPA permit application for the public water supply, if required

A complete set of engineering drawings, 24" x 36" in size, will consist of the following plan sheets:

- Cover page signed and sealed by a professional engineer who is licensed in the State of Illinois
- Existing conditions and demolition plan
- Geometric and dimensional site plan
- Grading plan
- Utility plan
- Parking lot lighting and photometric plan

- Detail and notes plan
- Stormwater Pollution Prevention Plan (SWPPP) or Erosion Control Plan
- Landscape Plan
- Tree Preservation Plan

The village engineer of the community development department will determine if additional plan sheets are necessary, or if substitutions can be made for the plan sheets listed above. The landscape plan and tree preservation plan must be signed and sealed by a landscape architect who is licensed in the State of Illinois. All tree protection fencing must be installed, inspected, and approved by the village prior to the release of the Land Development Permit.

Current editions of the Village of Schaumburg **Standard Engineering Notes** and **Sediment Control Notes** must be included on any engineering drawings submitted for a Land Development Permit. For further information regarding land development permits, please contact the Community Development Department at 847.923.4420. The following details may apply to your Land Development Permit, and may need to be included on the engineering drawings. You may choose the individual detail from the table below.

Cold Milling
Diagram of cold milling

Combination Curb and Gutter Type B-6.12
Engineering Detail

Combination Curb and Gutter Type M-4.12
Engineering Detail

Commercial Driveway Aprons - Plan View
Plan View of driveway apron

Commercial Driveways and Aprons – Cross Section
Driveway and Apron Cross-Section

Dry Well
Engineering Detail

Fire Hydrant
Engineering Detail

Light Pole Foundation
Engineering Detail

Parking Lot Resurfacing
Engineering Detail

Residential Sanitary Sewer Service
Engineering Detail

Standard Plan Symbols
Standard Symbols for Engineering Plans

Sidewalk
Engineering Detail

Sump Pump Underdrain
Diagram of sump pump underdrain

Residential Underdrain
Engineering Detail

Granular Trench Backfill
Engineering Detail

Handicap Parking Stalls
Diagrams and Details for Handicap Parking

Lot Grading Guidelines
Engineering Diagram

Underdrain Connection to Storm Structure
Diagram of underdrain connection to Storm Structure

Residential Water Service
Engineering Detail

Yard Drain
Engineering Detail

NPDES ANNUAL MEETING PRESENTATION:

VILLAGE OF SCHAUMBURG
OCTOBER 4, 2020

Prepared by Engineering Resource Associates, Inc.

In this presentation…

- Define key terms such as; NPDES, MS4, and MCM
- Discuss the need for a stormwater program and storm system permit
- Discuss concepts relative to stormwater runoff and water quality
- Emphasize the benefits of a well-developed Stormwater Management Plan
- Review the Village's current plan and proposed changes
- Respond to any comments or questions

Key Terms: What is NPDES?

- A Program created by USEPA to address water pollution by regulating sources known to discharge into waters of the United States.
- NPDES program defines rules that act to regulate sources of pollution in an effort to protect the Nation's natural waterways.
- Created in 1972 by the Clean Water Act, the USEPA authorized state governments to perform many administrative aspects of the NPDES program such as permitting and enforcement.
- NPDES rules were implemented in phases that targeted different point sources such as wastewater treatment plants and then non-point source contributors like communities such as the Village of Schaumburg.

NPDES: National Pollutant Discharge Elimination System

Key Terms: What is MS4?

MS4: Municipal Separate Storm Sewer System

Key Terms: What is MCM?

- A key element of a MS4 Stormwater management program made of 6 categories that, when combined, are expected to result in significant pollutant discharge reduction in local waterways.
- Each of the 6 categories include Best Management Practices which are made up of regulations, requirements, and activities to be enforced and undertaken by the Village.

MCM: Minimum Control Measure

Why does this matter?

- Precipitation falls on all areas throughout the Village (i.e. industrial and commercial areas, neighborhoods, roadways, parks, etc.)
- This precipitation leads to stormwater runoff.
- Stormwater runoff picks up and carries pollutants to our waterways.

Why does this matter?

- Non-point source pollution
  - Leading cause of water quality problems in the US according to USEPA[1].
  - Combination of small contributors adding up in a large way.
  - Cannot be solved by one individual, group effort is a must!

[1]U.S. Environmental Protection Agency. National Water Quality Inventory: Report to Congress, 2002 Reporting Cycle. Findings, Rivers and Streams, and Lakes, Ponds and Reservoirs. Available at http://www.epa.gov/305b/2002report/report2002pt3.pdf

How can we ensure compliance?

- State level regulator is the Illinois EPA (IEPA) and issues General NPDES Permit No. ILR40
- The Village must:
  - Apply for Coverage (approval) to utilize that permit;
  - Commit to prepare & follow a self-created Stormwater Management Plan;
  - Submit an Annual Facility Inspection Report that describes annual progress and adjustments in the plan.
  - The permit and annual reports are located here:

http://www.villageofschaumburg.com/depts/engg_pw/watersew/cntrl.htm

The Village must implement 6 MCMs

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

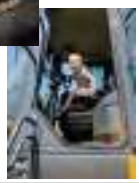
MCM #1: Public Education & Outreach

Current Activities:

- Provide handouts to residents:
  - EPA After the Storm
  - EPA Protecting Water Quality from Urban Runoff
  - Climate Change Handouts
  - Detention Basin Do's/Don'ts handout to residents
- Annual Touch-a-Truck/Public Works Open House
- Fish Grate standard enforcement, and
- Village Green Corner website

2018 Changes:

- Annual public meeting for MS4 feedback (today)
- Stormwater Pollution Prevention PSA and MWRD rain barrel video on Village website
- Stormwater Educational Program curriculum for local schools



MCM #2: Public Participation & Involvement

Current Activities:

- Village Environmental Committee
- Annual Village Environmental Fair
- Adopt-a-Highway, Adopt-a-Bikepath
- Annual Village Recycling Event
- Village Recycling Boxes

2018 Changes:

- Provide HOAs with educational materials and solicit feedback

MCM #3: Illicit Discharge Detection & Elimination

Current Activities:

- Update GIS Sewer Maps as necessary and install outfall number markers
- Enforce Village Code for illicit discharge violations
- Participate in the DuPage River Salt Creek Workgroup stream monitoring program
- Perform dry-weather outfall inspections

2018 changes:

- Provide phone number for illicit discharge reporting on Village website.
  - Call (847) 895-7100 to report
- Identify high risk outfalls and procedures for source tracing and spill response

MCM #4: Construction Site Stormwater Runoff Control

Current Activities

- Enforce various Village ordinances:
  - Village Floodplain, Subdivision Control, and Wetland Protection Ordinance
  - MWRD WMO requirements
- Permit Reviews
- Routine inspections
- Enforcement action
- Citizen complaint process

2018 Changes: None Identified/required



MCM #5: Post Construction Stormwater Management


Current Activities:

- Village Biodiversity Plan and Comprehensive Green Action Plan
- Enforcement of MWRD WMO requirements for Post Construction Best Management Practices

2018 Changes: None Identified/required

MCM #6: Pollution Prevention & Good Housekeeping

Current Activities:

- Training with Engineering & Public Works Good Housekeeping & Pollution Prevention powerpoint;
- MWRD creek inspection & maintenance program;
- Village Street Sweeping, annual catch basins cleaning and cleaning adjacent to construction projects;
- Hot Spot Patrol and Inlet Cleaning Program;
- Village Severe Weather Emergency Plan;
- Storm sewer repair and maintenance projects; and
- Partnership with Park District to maintain detention basins with Village inspections.

2018 Changes: Staff Attendance at pollution prevention for MS4 communities workshop


ENGINEERING RESOURCE ASSOCIATES

Questions?

§ 151.09 - PROTECTION OF EXISTING TREES, LANDSCAPING, GRADING AND EROSION CONTROL.

(A) Protection of Existing Trees: Trees and surface vegetation provide a natural means of sedimentation and erosion control. The removal of deciduous trees having a diameter of four inches (4") or greater, a multi-branch tree with an aggregate diameter of eight inches (8") or greater, as measured at diameter breast height fifty-four inches (54") above the established ground level, or evergreen trees measuring five (5) vertical feet or more in height, or other types of surface vegetation shall not be permitted without compliance with section 154.135, "Tree Preservation", of this title.

(B) Areas to be Graded and Seeded or Sodded:

(1) Right-of-way:

(a) All improved areas within the dedicated street area shall be graded and sodded, unless otherwise approved by the village. If it is a permitted natural landscape area, then the area shall be seeded or planted with native vegetation. Other public use areas shall be graded and seeded or sodded in an approved manner. Restoration work shall be performed to the satisfaction of the director of engineering and public works. Seeding mixtures shall be class I or class II and in accordance with the IDOT state standard specifications, or if it is a permitted natural landscape area, then the seeded area shall be a native seed mix approved by the village. All improved areas shall be graded smooth and topped with at least four inches (4") of black dirt after compacting and removal of stumps, trees that cannot be saved, boulders and such. Such areas shall be sodded in accordance with the IDOT state standard specifications, or seeded or planted with native vegetation if it is a permitted natural landscape area.

(2) Residential Developments:

(a) In developments with one (1) construction phase, the installation of perimeter landscaping and other areas as determined appropriate by the director of community development, or his/her authorized designee, shall be initiated concurrent with completion of final grading of those areas and accepted by the community development department and shall be completed prior to the release of the subdivision security. If a land development permit has been issued for the project, and construction upon the subdivision or development ceases for a period of six (6) months, or in the event a building permit is not issued for a period of six (6) months, all internal lots shall be rough graded and sodded or seeded with an erosion blanket.

(b) In developments with more than one (1) construction phase, the installation of perimeter landscaping and other areas as determined appropriate by the director of community development, or his/her authorized designee, shall be initiated concurrent with the completion of final grading and acceptance by the community development department and shall be completed prior to the issuance of a building permit for the second phase of development, or release of the subdivision security. If a land development permit has been issued for the project, and construction upon the subdivision ceases for a period of six (6) months, or in the event a building permit is not issued for a period of six (6) months, all internal lots shall be fine graded and seeded with an erosion blanket.

(3) Nonresidential Development:

(a) In developments containing one (1) or more construction phases, all outlots, unless otherwise approved by the village board, shall be fine graded and seeded with an erosion blanket or sodded.

(b) In developments containing one (1) or more construction phases, the installation of perimeter landscaping and other areas as determined appropriate by the director of community development, or his/her authorized designee, shall be initiated concurrent with the initial phase of development and shall be completed prior to the release of the subdivision security.

EROSION AND SEDIMENT CONTROL NOTES

1. All erosion and sediment control measures are to be constructed and maintained in accordance with the *Illinois Urban Manual*, latest edition.

2. All erosion and sediment control measures shall be installed prior to the start of any construction or disturbance of the site. The measures may have to be adjusted to meet field conditions during construction. Any measures, in addition to those outlined in the plans and which are deemed necessary by the village, shall be implemented immediately by the developer.

3. Regular inspection and maintenance of all erosion and sediment control measures must be provided by the developer. Inspections should occur weekly, and after any rainfall greater than 1/2". Any non-functioning sediment control measures or damaged devices that are found during inspection shall be repaired or replaced immediately The developer shall be responsible for any sediment which leaves the property, and the developer is also responsible for maintenance of all sediment control measures until the site is permanently stabilized.

4. All points of construction ingress and egress shall be protected to prevent tracking of debris, dirt, and mud onto adjacent streets, parking lots, or properties. Any debris, dirt, or mud that reaches an improved public right-of-way, street, or parking area shall be promptly removed, and transported to a proper disposal area.

5. All sediment must be prevented from entering any public or private storm drainage system. Reusable inlet filter baskets (Flexstorm, CatchAll, or equivalent), sediment basins, and water filtering bags, shall be provided as needed.

6. All drainage swales shall be sodded. Areas or embankments having slopes steeper than or equal to 3H:1V, and approved by the village, shall be stabilized with sod, matting, or erosion blanket in combination with appropriate seeding.

7. Topsoil stockpiles shall be located to avoid erosion of stockpile onto neighboring properties or into restored project areas. Stockpiles shall be located so that a drainage swale is located between the stockpile and any downstream properties. If a stockpile is to remain in place for more than 14 days, it must be seeded and blanketed to minimize soil erosion by both wind and water.

8. The developer is responsible for obtaining a separate National Pollution Discharge Elimination System (NPDES) permit from the Illinois Environmental Protection Agency whenever 1 acre or more of property is disturbed. For developments over 1 acre, the developer must also prepare and maintain a Storm Water Pollution Prevention Plan (SWPPP) at the project site, along with the NPDES permit. For developments less than 1 acre, a Sediment and Erosion Control Plan must be maintained by the developer.

9. Disturbed areas shall be stabilized with temporary or permanent measures within 14 calendar days of the end of active hydrologic disturbance, or redisturbance.

10. If dewatering services are used, adjacent properties and discharge locations shall be protected from erosion. Discharges from construction dewatering shall be routed through an effective sediment control measure such as a sediment trap, a sediment basin, or any other appropriate measure.

EROSION CONTROL INSPECTION REPORT

Village of Schaumburg

Community Development Department
101 Schaumburg Court, Schaumburg, IL 60193-1899
847.923.4420

Land Development Permit Number:_____

Name of Inspector:_____ **Date of Inspection:**_____

Project Name and Address:_____

_____

Contractor Name: _____

Instructions: Inspections are to take place weekly and within twenty-four (24) hours of a rainfall event of 0.5 inches or more. Inspections are to be conducted every week of the project duration including the winter months until 75% vegetative cover is achieved. The primary objective for establishing and maintaining temporary erosion control measures is to retain all sediment within the project limits, and prevent any erosion within the site.

SITE CONDITION INSPECTION CHECKLIST

Slopes	Have all slopes been permanently restored, or do they have adequate temporary seeding or protection?	**Yes No N/A**
Ditches	Are all existing, temporary, or proposed ditches clear of all sediment and debris?	**Yes No N/A**
Perimeter Erosion Barrier	Are all perimeter erosion barriers in good working order and properly maintained?	**Yes No N/A**
Temporary Ditch Checks	Are all temporary ditch checks in good working order?	**Yes No N/A**
Inlet and Basket Filters	Are all inlet filters in good working order and less than 25% full?	**Yes No N/A**
Outfalls	Are all outfalls free of any signs of sediment discharge?	**Yes No N/A**
Riparian and Sensitive Areas	Has the contractor remained clear of all sensitive areas, including wetlands, preserved trees, and native areas?	**Yes No N/A**
Stock Piles	Are all stockpiles properly maintained to prevent runoff and protected to minimize erosion?	**Yes No N/A**
Borrow/ Waste Sites	Are all borrow and waste locations, including those which are offsite, in compliance with all NPDES rules?	**Yes No N/A**
Concrete Washout Areas	Are all concrete washout areas clearly designated and adequately maintained?	**Yes No N/A**
Staging/ Storage Area	Are all staging and storage areas free of litter, debris, leaking containers, leaking equipment, spill, etc.?	**Yes No N/A**
Vehicle Tracking	Are mud, sediment, and debris being tracked onto public streets or into the right-of-way?	**Yes No N/A**
Fuel Storage Areas	Are all designated fueling locations free of evidence of leaks or spills?	**Yes No N/A**
NOI and SWPPP	Is the current NOI and SWPPP clearly posted on the site or work trailer, and any changes been noted on the site plan?	**Yes No N/A**

Note: Repairs and stabilization to be completed within 24 hours of this report.

Inspectors Signature:_____

Contractors Signature:_____

Appendix E
BMP Section E

Biodiversity:
A Plan for the Village of Schaumburg

The Vision: To establish a broad policy of beneficial coexistence in which the region's natural heritage is preserved, improved, and expanded even as the metropolis grows.

- Chicago Wilderness

Prepared for the Village of Schaumburg by Applied Ecological Services, Inc.

Schaumburg Biodiversity Recovery Plan

Village of Schaumburg
Cook County, Illinois

FINAL
May 2004
(AES #00-651)

Submitted to:

Village of Schaumburg, Planning Department
101 Schaumburg Court
Schaumburg, Illinois 60193

Prepared by:

Applied Ecological Services, Inc.
120 West Main Street
West Dundee, Illinois 60118
Phone: (847) 844-9385
Fax: (847) 844-8759
www.appliedeco.com

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VILLAGE OF SCHAUMBURG

comprehensive green action plan

Comprehensive Green Action Plan

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Stormwater Detention Basin Inspection Checklist

Inspector:			Basin:
Previous Inspection Date:			Date of inspection:
Corrective Actions Required (from previous visit)? Y / N			Corrective Actions Completed? Y / N
Inspection Item	**Yes**	**No**	**Notes/Follow-up Remarks**
General Observations			
1) Received reports/complaints about basin?			
2) Does stormwater remain in the basin for greater than 72 hours following a storm?			
3) is vegetation in the basin dominated by non-native or invasive species? (cattail, phragmites, etc.)			
4) Is water "Short-Circuiting" the basin by entering and exiting without coming into contact with vegetated areas or is inlet directly adjacent to outlet?			
Basin Inlets (structures conveying water into the basin)			
1) Signs of breakage, damage, or corrosion?			
2) Excess debris or sediment accumulation around the inlet?			
3) Signs of erosion, scour, or gullies, undercut embankments, washed out or bare soil around or relative to inlet structure?			
4) Tree roots or woody vegetation growing near or through inlet structure?			
5) If the inlet has a pretreatment structure (trash rack/forebay), is it filled with debris or sediment?			
Basin (Includes side slopes, both interior and exterior, as well as basin bottom and rock or berms)			
1) Accumulation of litter or debris in the basin?			
2) Exposed earth visible or bare areas of dead vegetation?			
3) Excess sediment accumulation?			
4) Basin walls/embankment eroded, slumping, or caving in?			
Outlet (Conveys water out of the basin)			
1) Breakage, damage, or corrosion apparent?			
2) Evidence of erosion present? Scour, gullies, stripped soil, or undercut?			
3) Debris or sediment accumulation around pipe?			
4) Tree roots or woody vegetation growing near or through outlet structure?			

*Items which received a "yes" response will require follow-up on the next visit.

Inspection Item	Yes	No	Notes/Follow-up Remarks
Emergency Overflow			
1) Are pipes, conduits, or conveyances free from debris and clogs?			
2) Large trees or woody shrubs growing in proximity of conveyance with potential to crack structure or disrupt flow?			
3) Erosion, scour, or gullies, undermined or undercut earth embankments; exposed dirt, worn vegetation, soil washout, or disturbance around the spillway?			
Basin Outfall Area (location outside the basin where stormwater exits, may include receiving waterway)			
1) Signs of stormwater exiting the basin in an uncontrolled manner? (over berms or through outside walls)			
2) Erosion, scour, or gullies, undermined or undercut earth embankments; exposed dirt, worn vegetation, soil washout, or disturbance around or downslope of the outfall?			

Corrective Actions	
Inspection Item/Deficiency	Corrective Action(s) Taken
Corrected by:	Date of Correction:
Corrected by:	Date of Correction:
Corrected by:	Date of Correction:
Corrected by:	Date of Correction:
Corrected by:	Date of Correction:

*Items which received a "yes" response will require follow-up on the next visit.

STORMWATER MANAGEMENT SYSTEM INSPECTION REPORT

Village of Schaumburg
Community Development Department
101 Schaumburg Court, Schaumburg, IL 60193-1899
847.923.4420

PROPERTY INFORMATION:

Business Name: _____ Owners Name: _____
Address: _____ Phone number: _____
24 Hour Emergency phone number: _____ Date system constructed: _____
Land Development Permit No. _____ Parcel No. _____ MWRD Permit No. _____

SYSTEM COMPONENTS

Stormwater Storage Facility (Complete applicable portions.)

☐ Parking Lot Surface Storage: Inspected By: _____ Date: _____
- Pavement condition: _____
- Condition of Inlet frames and grates: _____
- Curb condition: _____
- Overflow control device condition: _____

☐ Detention Basin Storage: Inspected By: _____ Date: _____
- Dry bottom or wetland type bottom? _____
- Condition of Landscaping? _____
- Is top of Berm intact? Does it appear to be one foot higher than High Water Line? _____
- Is overflow weir or overflow structure clean and intact? _____
- Are upstream Catch Basins Clean? _____

☐ Retention Basin (Lake) Storage. Inspected By: _____ Date: _____
- Condition of Landscaping along Normal Water Line? _____
- Condition of Landscaping around basin? _____
- Is top of Berm intact? Does it appear to be one foot higher than High Water Line? _____
- Is overflow weir or overflow structure clean and intact? _____
- Is aeration device working? _____
- Are upstream Catch Basins Clean? _____

Restrictor Structure

Type: Plate ☐ Proj. Tube ☐ Perf. Riser ☐ Half trap ☐ Other: _____
Size: _____ Condition: _____
Is sump below restrictor clean? _____

Water Quality Device

Brand/type: CDS Model _____ Stormceptor Model _____ Other Make/Model: _____
Other: _____
Condition of baffles, chamber separators, other equipment? _____
Depth of silt in sump? _____ Depth of sump _____
Last cleaned? _____ Next Cleaning _____

COMMENTS: _____

Inspected By: _____ Date: _____

Although the Village of Schaumburg strives to make the storm water management inspections as complete and accurate as possible, the Village makes no claims, promises, or guarantees about the accuracy, completeness, or adequacy of the contents of the storm water management inspection. The Village expressly disclaims liability for any errors or omissions in the contents of this inspection.

Storm Water Detention Project

Project Name	Address	Contact	Runoff Control	Type of storage facility							Restrictor Type & Size			MWRD Permit No.	Last Inspected	Maintained By
				surface	dry basin	wet basin	under ground	stone void	rain garden	Water Quality	pipe	plate	other			
Sakura USA, Inc.	1700 N. Basswood Rd. Schaumburg, Il 60173			X								9.0"		96-130	5/29/13 6/19/18	
Shell Gas Station	2901 N. Meacham Rd. Schaumburg, Il 60173	American Property Management of Illinois 1251 N. Plum Grove Rd. Suite 140 Schaumburg, Il 60173		X							3.0"			96-257	6/14/2013 10/2/18	
Cherry Hill Townhomes	Roselle Rd. & Farmgate Dr.	Tony Pietramale American Property Management 1251 N. Plum Grove Rd. Suite 140 Schaumburg, Il 60193				X					8.0"			96-482	6/14/13 9/17/18	
Public Storage	777 W. Wise Rd. Schaumburg, Il 60193	Mary Verstat			2.X		X				4.0"			97-108	9/27/13 9/10/18	
Hyatt Place Chicago/Schaumburg	1851 McConnor Pkwy Schaumburg, Il 60173	Julie Johnson Crestline Hotels & Resorts 3950 University Dr. #301 Fairfax, VA 22030				X						5.04"		97-128	5/20/13 6/6/18	
Ikea Schaumburg	1800 McConnor Pkwy. Schaumburg, Il 60173	Gazmen Mustafa			X							4.09"		97-263	5/22/13 8/5/18	
Brookstone Townhomes	Plum Grove & Higgins Rd.	Ada Parlani Real Manage Co. 890 East Higgins Rd Suite 154 Schaumburg, Il 60193			2.X							5.23" 5.03"		97-266	5/21/13 8/20/18	
Gladwin Machinery	636 E. State Pkwy. Schaumburg, Il 60173	Bill Marrinan				X					6.0"			97-311	5/13/13 6/27/18	
Culver's Restaurant	1600 W. Wise Rd Schaumburg, Il 60193			X								6"		97-474	7/3/13 8/22/18	
Experian	955 American Ln. Suite 100 Schaumburg, Il 60173					X					6.0"			97-497	5/13/13 6/27/18	
K&M Printing	1410 N. Meacham Rd. Schaumburg, Il 60173	Ken J. Stobart				X					4.0"			98-529	6/14/13 6/19/18	
Windy Point Detention	1700 McConnor Pkwy.	Chris Schmitt Piedmont Property 1500 McConnor Pkwy Suite 250 Schaumburg, Il 60173				X,2						11.7"		98-579	10/2/2018	
Public Storage	1200 W. Irving Park Rd. Schaumburg, Il 60193	Mary Verstat				X								99-034	9/10/13 9/10/18	
Chicago Prime Italian	1370 Bank Dr. Schaumburg, Il 60173	John Kalkounos		X							3.5"			99-154	5/29/13 8/1/18	
S&S Truck Parts, Inc.	600 W. Irving Pk. Rd. Schaumburg, Il 60193					X						6.375"		99-238	7/3/18 8/1/18	
Mercury Products, Corp.	1201 Mercury Dr. Schaumburg, Il 60193	1161 Lake Cook Rd. Suite A Deerfield, Il 60015			X									99-5080	7/24/13 9/20/18	
RAM Restaurant and Brewery	1901 McConnor Pkwy Schaumburg, Il 60173	Jeff Iverson RAM International 10013 59th Ave. SW Lakewood, WA 98499			X						2.0"			99-335	6/3/13 8/8/18	
MWRD 2000-2009																
The Olive Garden	1925 E. Golf Rd. Schaumburg, Il 60173	Frank Orocco 2260 Auburn Rd. Auburn Hills, MI 483266			X						4"			00-062	5/15/14 6/19/19	ND

Project Name	Address	Contact	Runoff Control	surface	dry basin	wet basin	underground	[illegible]	rain garden	Water Quality	pipe	[illegible]	other	MWRD Permit No.	Last Inspected	[illegible]
Speedway Gas Station	401 W. Wise Rd Schaumburg, IL 60193	Jack Leopard Speedway, LLC 500 Speedway Dr Enon, OH 45323			X									00-101	6/18/14 7/18/19	NO
Play N Thrive	401 E. Remington Rd Schaumburg, IL 60173	Raghu [illegible] IRC Rose Centre 814 Commerce Dr Suite 300 [illegible] IL 60523								X				00-295	7/17/2014	NO
C[illegible] Subdivision	Leonard Dr [illegible] Circle	Crane Property Management Co 520 [illegible] Rd Suite 104 Elk Grove IL 60007				X					12"			00-205	8/18/14 7/16/19	NO
Sunrise Assisted Living Facility	790 N. Plum Grove Rd Schaumburg, IL 60173	John [illegible]				X						2.44"		00-407	6/19/14 7/?/19	NO
[illegible] Medical Center	1501 N. Plum Grove Rd Schaumburg, IL 60173	Ashraf [illegible]			X						3"			00-474	7/24/14 10/2/19	NO
Office Building	1501 E. Woodfield Rd Schaumburg IL 60173	Richard White 1515 E. Woodfield Rd Suite 850 Schaumburg IL 60173									12"			00-620	5/21/16 7/?/19	NO
Best Buy	900 E. Golf Rd Schaumburg IL 60173	Nick Groves			X						4"			00-642	5/15/14 7/17/19	NO
The Great Escape	1850 W. Irving Park Rd Schaumburg IL 60193	Edward Rush			X									01-0129	6/18/14 8/5/19	NO
[illegible] Kindercare	150 [illegible] Ln Schaumburg IL 60173	Edward [illegible]			X						4"			01-0[illegible]	5/2/14 8/20/19	NO
Foot First Podiatry Clinic	1601 W. Wise Rd Schaumburg IL 60193	Dr. Keith Sh[illegible]			X						4"			01-50[illegible]	6/18/14 10/8/19	NO
Dairy [illegible]	1000 Albion Ave Schaumburg IL 60193	Fred [illegible]			X	X								01-259	7/17/2014	NO
Life Storage	1401 N. Plum Grove Rd Schaumburg IL 60173	Sovran Acquisitions LP 6467 Main St Williamsville NY 14221			X						6.0"			01-0145	4/23/14 10/?/19	NO
Emergency Nurses Association	930 E. Woodfield Rd Schaumburg IL 60173	John Pa[illegible]									4.5 12"			01-48	5/15/14 5/8/19	NO
GMJ Motors	1500 Mitchel Blvd Schaumburg IL 60193	Anthony J. Gr[illegible]			4.0	X				2				01-290	7/8/14 10/8/19	Repaired
Extended Stay America-Schaumburg	2000 N. Roselle Rd. Schaumburg IL 60195	James [illegible]				X						4.1"		01-301	6/3/14 7/?/19	NO
Schaumburg Corporate Center	1475-1515 Woodfield Rd Schaumburg IL 60173	[illegible] 1475 E. Woodfield Rd Schaumburg IL 60173 [illegible]		X			X				4.4 5.0"	5.5"		0?-495	7/31/2014	NO
Wildfire Restaurant	1250 E. Higgins Rd Schaumburg IL 60173	[illegible] Emmons			X									02-449	5/15/14 5/14/19	NO
Woodfield Lanes	350 E. Golf Rd Schaumburg IL 60173	Phillip [illegible]										5.?"		02-709	6/15/14 10/2/19	NO
Arbor Glen	Arbor Glen Blvd.	Alpha Property Management Services, Inc 850 E. Higgins Rd, Suite 154 Schaumburg IL 60173 Attn: Rob Fontana				X						6.50"		03-157	6/15/14 7/?/19	NO
PNC Bank	500 S. Roselle Rd Schaumburg IL 60193	Attn [illegible]		X							4.0			03-415	6/30/14 1?/25/19	NO

Project Name	Address	Contact	Runoff Control	Surface	Dry Basin	Wet Basin	Underground	Wetland	Rain Garden	Water Quality	Pipe	Plate	Other	MWRD Permit No	Last Inspected	Maintenance Req
Lexis Gate	Meacham Rd. & Grace	Altus Property Management Services Inc. 850 E. Higgins Rd. Suite 1?? Schaumburg, IL 60173 Attn: Ada Patarki				2,X					6.0"			03-459	6/2/14 5/22/15	NO
Kawasaki Of America	2??? E. Golf Pkwy Schaumburg, IL 60173	Brian Dunton								X				04-098	5/30/14 7/10/15	NO
Courtyard Chicago-Schaumburg	1515 American Ln Schaumburg, IL 60173	Carolyn DiCampo									4.0"			04-225	6/30/14 7/28/15	NO
Cornerstone/TCF Bank	950 & 960 Meacham Rd. Schaumburg, IL 60173	Attn: Bruce Parsons Inland Schaumburg LLC 1005 W. Wise Rd Suite 201 Schaumburg, IL 60193		X			X					3.15"		04-314	6/3/14 7/14/15	Required
The Clubhouse	1301 American Ln Schaumburg, IL 60173	Butch Amuel 3005 Delta Rd San Jose, CA 95135			X		X			X	4.0"			04-0516	6/9/14 5/7/19	NO
Renaissance Schaumburg Convention Center	1551 N. Thoreau Dr. Schaumburg, IL 60173	Robert Long Director of Engineering			X	X					4.0"	3.5"		04-340	6/6/14 6/6/19	Required
Golfwood Square	600-640 E. Golf Rd Schaumburg, IL 60173	Euclid Inc Rebecca Walters 1033 Walden Office Square #350 Schaumburg, IL 60173		X							4.0 & 3.5.0"			05-157	5/15/14 6/8/19	NO
Weber Hill	1310 Meacham Rd Schaumburg, IL 60173	Dave Heller		X								3.38"		05-000	11/5/14 6/4/19	NO
Walgreens	770 E. Schaumburg Rd, Schaumburg, IL 60194									X				05-2160	6/16/14 6/19/19	NO
Hawthorne's Schaumburg Mazda	110 W. Golf Rd Schaumburg, IL 60195	Attn: Chuck Weber					X					3.41"		05-2006	6/23/14 7/9/19	NO
Friendship Village	350 W. Schaumburg Rd Schaumburg, IL 60194	Rick Farley				X				X				05-4650	8/15/14 7/25/19	Required
Bethel Baptist Church	200 N. Roselle Rd Schaumburg, IL 60194	Drew Wiseman			X					X	4.0	2.60"		05-5761	8/14/14 8/27/15	NO
The Punch Bowl	1100 American Ln Schaumburg, IL 60173	Tony Sudnicki								X				06-327	5/21/14 7/10/19	NO
Office/Warehouse	850 American Ln. Schaumburg, IL 60173	George Behrens 295 Waukegan Rd. Glenview, IL 60025					X			X				07-120	5/21/2014	NO
Shoppes at Prairie Village	1410-1444 E. Algonquin Rd Schaumburg, IL 60173	Watermark Property Management, LLC Attn: Jessica Weisbach 1250 W. Chicago Ave Suite 300 Chicago, IL 60642		X			X			X		5.10" 5.07"		07-2705	5/28/14 6/26/19	NO
The Shoppes of Meacham	1400-1408 N. Meacham Rd Schaumburg, IL 60173	Heritage Companies 1011 Lake St. Suite 104 Oak Park, IL 60301 Attn: Anthony Stephens					X			X	8.5"			07-3887	5/19/2014	NO
Amada America Inc	180 Amada Ct Schaumburg, IL 60173	Mr. Toshiyuki Lukemura								X				07-2919	6/2/14 5/28/15	NO
Fitness W Team	1625 Mitchell Blvd Schaumburg, IL 60193	Argus Technologies Daniel S. Greene 20 S. LaSalle St Chicago, IL 60603				X					4.0"			07-6037	6/3/14 11/?/15	Required

Project Name	Address	Storm Water Detention Project Contact	Runoff Control	Type of storage facility							Restrictor Type & Size			MWRD Permit No.	Last Inspected	Maintained By
				surface	dry basin	wet basin	under ground	stone void	rain garden	Water Quality	pipe	plate	other			
Walgreens	1180 S. Roselle Rd. Schaumburg, Il 60193	Fouad Abbas					X			X		3.0" 6.5"		08-7264	6/30/14 7/16/19	ND
Chase Bank	1084 S. Roselle Rd Schaumburg, Il 60194			X						X	3.5"			08-7187	6/30/14 7/19/19	ND
A-1 Motor Service	515 Lunt Ave. Schaumburg, Il 60193	Sarlok Singh		X							4.0"			08-6755	8/1/14 11/11/19	ND
Kraft Food Building	2301 Palmer Dr. Schaumburg, Il 60173	Apex Companies, LLC Sarah Hasan 1701 E. Woodfield Rd., Suite 333 Schaumburg, IL 60173				X	X			X	4.0"			05-5691	6/2/14 9/17/19	ND
Streets of Woodfield Annex Whole Food & Crate & Barrel	750 & 760 Martingale Rd Schaumburg, IL 60173	Steven J.Hribes 750 N. Martingale Rd. Schaumburg, Il 60173					X			X		4.25"		08-3765	7/8/14 5/28/19	Repaired
Our Saviour's UnitedMethodist Church	701 E. Schaumburg Rd Schaumburg, Il 60194				X 2							4.50"		08-1110	7/1/14 8/27/19	ND
Beech Points Apartments	60 E. Beech Dr. Schaumburg, Il 60193	Jeanne King			X						12.0"			09-28	6/2/14 7/8/19	ND
Season's 52	1770 Higgins Rd Schaumburg, Il 60173	Gina Brown					X			X				09-4798	5/13/14 5/19/19	Repaired
MWRD 2013-2014																
Career Education Building	231 Martingale Rd. Schaumburg, Il 60173	Chad Wheeler Able Engineering Services		X			X	X						10-3632	10/21/2015	
Kids & Company	150 W. Higgins Rd Schaumburg, Il 60195	Kidco ltd Josepeph B. Brocato 1 E. Wacker Dr. Suite 1700 Chicago, Il 60601		X								6.0"		11-633	10/5/2015	
Gonnella Frozen Products, LLC	1117 East Wilky Road Schaumburg, Il 60173	Bill Farrell Maintenance Manager					X					4.25"		10-10417	10/27/2015	
Lexington Health Care	675 S. Roselle Rd Schaumburg, Il 60193	Chris M. Dusza		X	X							3.70"		10-03632	9/29/2015	
Mazak, Corp	300 E. Commerce Dr.	Mike Stasky			X							6.21"		11-04994	9/30/2015	
Longhorn Steakhouse	1901 East Golf Rd Schaumburg, Il 60173	Margie Camp Rare Hospitality Management PO 695016 Orlando, FL 32869-5016		X	X					X		3.0"		12-075	9/29/2015	
Center For Seniors	611 Remington Rd. Schaumburg, Il 60173	Jae Kwan Ha 5320 N. Kedzie Ave. Chicago, IL 60625			X									12-01147	9/29/2015	
Shigya, USA	651 E. State Pkwy. Schaumburg, Il 60173	Hiroshi Kirihara	X		X									13-01428	9/29/2015	
Meacham Gatherings	580-696 Meacham Rd Schaumburg, Il 60173	Jena Corral Mid America Management One Parkview Plaza, 9th Fl. Oakbrook Terrace, Il 60181					X					4.45"		13-01352	10/15/2015	
Nation Pizza	601 E. Algonquin Rd. Schaumburg, Il 60173	Rick Renning			X									13-0628	10/19/2015	
Discount Tire	400 West Higgins Rd Schaumburg Il., 60173	Kathy Peters Halle Properties, LLC 20225 N. Scottsdale Rd. Scottsdale, AZ 85255		X	X						2.5"			13-458	10/5/2015	

Appendix F
BMP Section F

ANNUAL PUBLIC WORKS EMPLOYEE MS4 TRAINING:

VILLAGE OF SCHAUMBURG
MARCH 6, 2019

Prepared by Engineering Resource Associates, Inc.

In this presentation…

- Define key terms such as; NPDES, MS4, MCM, and BMP;
- Discuss the MCM components relating to Public Works;
- Discuss concepts relative to stormwater runoff and water quality;
- Identify aspects of the MCMs that Public Works may be responsible for;
- Discuss the plans and procedures associated with these elements.

Key Terms: What is NPDES?

- A Program created by USEPA to address water pollution by regulating sources known to discharge into waters of the United States;
- NPDES program defines rules that act to regulate sources of pollution in an effort to protect the Nation's natural waterways;
- Created in 1972 by the Clean Water Act, the USEPA authorized state governments to perform many administrative aspects of the NPDES program such as permitting and enforcement;
- NPDES rules were implemented in phases that targeted different point sources such as wastewater treatment plants and then non-point source contributors like communities such as the Village of Schaumburg.

NPDES: National, Pollutant, Discharge, Elimination, System

Key Terms: What is MS4?

MS4: Municipal, Separate, Storm, Sewer, System

Key Terms: What is MCM?

- A key element of a MS4 Stormwater management program made of 6 categories that, when combined, are expected to result in significant pollutant discharge reduction in local waterways;
- Each of the 6 categories include Best Management Practices which are made up of regulations, requirements, and activities to be enforced and undertaken by the Village.

MCM: Minimum, Control, Measure

Key Terms: What is a BMP?

- Schedule of activities, prohibitions of practices, maintenance procedures, and other management practices to prevent or reduce pollution in wetlands and Waters of the United States
- Can be incorporated into almost any part of the stormwater cycle;
- Fit well into any green infrastructure narratives and Village Master Plans;
- Can be structural like a hydrodynamic separator, biological such as vegetated detention basins, or ideological like Public Outreach and training employees;
- In the long term, they are much less expensive than additional water treatment plants and can be incorporated into existing open space and development projects.

BMP: Best, Management, Practice

Why does this matter?

- Precipitation falls on all areas throughout the Village (i.e. industrial and commercial areas, neighborhoods, roadways, parks, etc.)
- This precipitation leads to stormwater runoff.
- Stormwater runoff picks up and carries pollutants to our waterways.

Why does this matter?

- Non-point source pollution
  - Leading cause of water quality problems in the US according to USEPA[1].
  - A combination of small contributors adds up in a large way.
  - Cannot be solved by one individual, group effort is a must!

[1]U.S. Environmental Protection Agency. National Water Quality Inventory: Report to Congress, 2002 Reporting Cycle: Findings, Rivers and Streams, and Lakes, Ponds and Reservoirs. Available at http://www.epa.gov/305b/2002report/report2002pt3.pdf

The Village must implement 6 MCMs

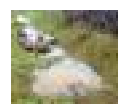
MCM 1:	Outreach & Public Education
MCM 2:	Public Participation & Involvement
MCM 3:	Illicit Discharge Detection & Elimination
MCM 4:	Construction Site Runoff & Control
MCM 5:	Post-Construction Runoff Control
MCM 6:	Pollution Prevention & Good Housekeeping

= These areas are most relevant to Public Works employees

MCM #3: Illicit Discharge Detection & Elimination

Current Activities:

- Update GIS Sewer Maps as necessary and install outfall number markers
- Enforce Village Code for illicit discharge violations
- Participate in the DuPage River Salt Creek Workgroup stream monitoring program
- Perform dry-weather outfall inspections
- Provide phone number for illicit discharge reporting on Village website.
  - Call (847) 895-7100 to report
- Identify high risk outfalls and procedures for source tracing and spill response
  - To be recorded on the new Illicit Discharge Tracking Sheet



Tracking & Recording Illicit Discharges

Step 1: Seeking out illicit discharges in the field.

- Detection by reporting hotline or from regular inspections;
- Perform outfall inspection;
- Record all relative information onto the discharge tracking sheet.

Illicit Discharge Tracking Sheet

Illicit Discharge Investigation Tracking Sheet

Responder information:

Call taken by:	Call date:
Call time:	48 Hour precipitation: . Inches

Reporter information:

Incident time:	Incident date:
Caller contact information (if available):	

Incident Location:

Lattitude/Longitude:

Stream mile marker or outfall number:

Nearest address or intersection:

Landmark or other identifier:

Discharge location:	Other location information:		
☐ Stream corridor	☐ Outfall	☐ In-stream	☐ On banks
☐ Upland area	☐ Near storm drain	☐ Other water resource (wetland, detention basin, pond, etc.)	

Description of location:

Upland area problem indicator description:

☐ Trash/Waste	☐ Oil/Solvents/Chem.	☐ Organic (food/grease/etc.)
☐ Suds/Detergents	☐ Sewage	☐ Other:

Stream corridor problem indicator description:

Odor	☐ None	☐ Sewage	☐ Oil/Gas/Petroleum
	☐ Sulfur/Rotten Eggs	☐ Rancid/Sour	☐ Chemical/Astringent
	☐ Fragrant/Detergent	☐ Other:	
Appearance	☐ "Normal"	☐ Oil sheen	☐ Cloudy/Milky
	☐ Sudsy	☐ Other:	
Floatables	☐ None	☐ Sewage/Toilet paper	☐ Algae
	☐ Dead Animals	☐ Other:	

Narrative description of problem indicators:

Suspected violator (name, personal or vehicle description, license plate#, address, etc.):

Tracking & Recording Illicit Discharges

Step 2: Isolating and correcting individual discharges.

- Utilize five basic tools to correct illicit discharges:
  - Drainage Area Investigation
  - Trunk Investigations
  - On-Site Discharge Investigations
  - Correction and Enforcement

Illicit Discharge Tracking Sheet

Investigation Notes:	
Initial investigation date:	Investigators:
☐ No investigation performed	Reason:
☐ Referred to other agency/department	Agency/department:
☐ Investigated: no action necessary	Reason:
☐ Investigated: requires action	Description of actions:
Hours between call and investigation:	
Hours to close incident:	Date case closed:
Tracking information:	
Map(s)/other visual information used (GIS, GPS, map panel):	
Sample collection locations:	Number of samples collected:
Upstream extent of discharge:	Change in discharge (consistency/concentration):
☐ Photos taken	☐ Mark ups saved to map
Methods of investigation used to track suspected illicit discharge (smoke test, dye, visual, camera, etc.):	
Source identified? Y / N	
If yes:	Source address or other location:
	Describe source of discharge:
If no:	Explain:

Follow up information:	
☐ Notify zoning/planning official	☐ Schedule reinspection pending repairs
Y / N (Has discharge been eliminated?	Explain methods used to confirm discharge elimination:
Follow-up actions taken (fines, injunction, etc.):	
Staff performing follow-up:	Date of follow-up inspection:
Containment:	
Distance between chain sample and outfall (indicate units):	
Time between arrival on scene and containment (in hours):	
Probable source of discharge (accidental/intentional):	

Tracking & Recording Illicit Discharges

Step 3: Preventing Illicit Discharges

- Proactive collection of HHW (household hazardous waste) such as batteries, used oil, paint, or other solvents and cleaners. Collected through organized drives in Schaumburg.
- Conduct outreach to local businesses who may be discharging without knowing. Instances can include leaky dumpsters, poorly sealed swimming pools, excessive landscape fertilizer, etc.
- Increased prevention and response efforts and training to improve reaction time and effectiveness.

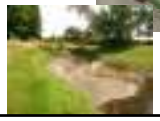
MCM #4: Construction Site Stormwater Runoff Control

Current Activities

- Enforce various Village ordinances:
  - Village Floodplain, Subdivision Control, and Wetland Protection Ordinance
  - MWRD WMO requirements
- Permit Reviews
- Routine inspections
- Enforcement action
- Citizen complaint process
- Village Projects

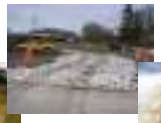
MCM #4 Concepts

- Erosion, Sediment, and Sedimentation. Know the difference;
  - Erosion (Cause): The process of soil particle detachment from the land surface, by the forces of wind, water, or gravity.
  - Sediment: After the soil particles have been detached (eroded), the suspended soil particles in transport are referred to as Sediment.
  - Sedimentation (Effect): Occurs when the velocity of wind or water is slowed sufficiently enough to allow the suspended sediment to settle out.



MCM #4: Construction Site Stormwater Runoff Control Practices

- Some aspects unique to construction sites require specific responses: Stabilized temporary entrances, vehicle washout stations, temporary erosion control measures designed for short-term use, etc.



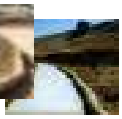
Entrance/Exit Controls

- Temporary Stabilized Construction Access
  - Used when road access through paved or stabilized surface is unavailable;
  - Removed upon final stabilization;
  - Is primarily a sediment control practice.
- Tire Wash Station & Concrete Washout
  - Secondary measure to stabilized temporary entrance used to prevent contamination of work site and areas adjacent to work sites.
  - A designated concrete washout contains concrete from washing out following paving.

Perimeter Controls

- Silt Fence
  - Is primarily a sediment control practice
  - Used to prevent sediment from leaving the site;
  - Must be trenched in to function properly;
  - Removed upon final stabilization.

- Rolled Barriers
  - Secondary measure to Silt Fence;
  - Can be used along slopes to prevent erosion;
  - Often used where it is difficult to install silt fence.



Inlet Protection

- Primarily a sediment control practice;
- First line of defense against sediment leaving the construction site;
- Generally consist of physical barriers and are not designed to capture suspended solvents, grease, or oil.

Ditch Checks

- Used to slow surface runoff in areas of concentrated flow to prevent rill and gully formation, and disrupt sheet flow across open bare areas;
- Slowing water in instances of concentrated flow also allows suspended sediment to settle out.
- Generally a temporary measure until the area can be permanently stabilized.

Can be made of fiber rolls, stone, or other non-erodible material and is useful for sediment and erosion control

Permanent Stabilization

- The final step in completing a project:
  - Completed within 14 days of final grade;
  - Can be achieved through combination of erosion control blanket and seed or sod.

MCM #5: Post Construction Stormwater Management

Current Activities:

- Village Biodiversity Plan and Comprehensive Green Action Plan
- Enforcement of MWRD WMO requirements for Post Construction Best Management Practices

Post-Construction Stormwater Management

- Basin Maintenance
  - Lesser maintenance, such as debris removal and control structure monitoring is performed by public works staff annually;
  - Vegetative maintenance (weed spraying, mowing, burning) and other intensive work (erosion mitigation) is performed by a landscape contractor.

Detention Basins Inspected

Project Name	Storm Water Detention Project 2017		Type Of Storage						Restrictor Type and Size				
MWRD 1981-1989	Address	Contact	Runoff	Surface	Dry Basin	Wet Basin	Storm Vault	Open Cells	Water Quality	Restrictor Pipe	Restrictor Plate	Other	MWRD Permit No	Last Inspected
Children&Teens Medical Ctr	1701 Wiese Rd. Schaumburg, 60193	Michael R. O'Donell			X					2"			81-202	8/18/12 8/1/17
Sellstrom Manufacturing Co.	2650 Hammond Dr. Schaumburg, 60173	Nicole Hrebel John Hancock Real Estate 1475 E. Woodfield Rd. Suite100 Schaumburg, 60173				X				2"			81-235	6/5/12 10/3/17
Vinakom Communication	880 Remington Rd. Schaumburg, 60173	Kelu Amin								2.5"			81-246	5/21/12 7/13/17
Days Inn & Suites	1720 E. Higgins Rd. Schaumburg, 60173	Mark Chlopek								4"			81-339	5/9/12 7/12/17
Deerfield's Bakery	25 S. Roselle Rd. Schaumburg,60193	Kurt Schmitt								2"			81-340	6/2/12 8/15/17
Hilltop Professional Plaza	630 E. Higgins Rd. Schaumburg, 60173	Nancy Savard								4"			81-448	5/29/12 8/8/17
Close Robotic Welding Inc.	911 Albion Ave. Schaumburg, 60193	Vanto Payne								3"			82-205	5/1/12 8/8/17
Quality Inn	630 Meringale Rd. Schaumburg, 60173	Jack Cone								4"			82-313	5/9/12 7/20/17
Rad Lobster	800 E. Golf Rd. Schaumburg, 60173	Wally Anderson								4"			82-321	5/9/12 7/18/17
Patrick Cadillac	525 Mall Dr. Schaumburg, 60173	Harley Clawson								3"			82-324	6/18/12 7/13/17
Blaco Dental Products	1100 W. Irving Park Rd. Schaumburg, IL 60193	Andrew Swanicki	X		X								81-352	6/2/12 10/2/2017
College Hill Association	2756 College Hill Dr. Schaumburg, 60173	Mr. Charles Bean				X				7.5"			82-382	5/7/12 8/31/17
Gatewood Condos	Alma Property Mgmt 890 E. Higgins Rd. Schaumburg,I 60173 Suite 154	Lillian Blankenburg				X				15"			83-520	5/7/12 8/18/17
United Woodworking Inc.	729 Lunt Ave. Schaumburg, 60193	Stanley Chraca								2.5"			84-169	5/1/12 8/9/17

Detention Basin Inspection Form

Stormwater Detention Basin Inspection Checklist

Inspector:	Basin:
Previous Inspection Date:	Date of inspection:
Corrective Actions Required (from previous visit)? Y / N	Corrective Actions Completed? Y / N

Inspection Item	Yes	No	Notes/Follow-up Remarks
General Observations			
1) Received reports/complaints about basin?			
2) Does stormwater remain in the basin for greater than 72 hours following a storm?			
3) Is vegetation in the basin dominated by non-native or invasive species? (cattail, phragmites,			
4) Is water "Short-Circuiting" the basin by entering and exiting without coming into contact with vegetated areas or is inlet directly adjacent to outlet?			
Basin Inlets (structures conveying water into the basin)			
1) Signs of breakage, damage, or corrosion?			
2) Excess debris or sediment accumulation around the inlet?			
3) Signs of erosion, scour, or gullies, undercut embankments, washed out or bare soil around or relative to inlet structure?			
4) Tree roots or woody vegetation growing near or through inlet structure?			
5) If the inlet has a pretreatment structure (trash rack/forebay), is it filled with debris or sediment?			

Basin (Includes side slopes, both interior and exterior, as well as basin bottom and rock or berms)			
1) Accumulation of litter or debris in the basin?			
2) Exposed earth visible or bare areas of dead vegetation?			
3) Excess sediment accumulation?			
4) Basin walls/embankment eroded, slumping, or easing in?			
Outlet (Conveys water out of the basin)			
1) Breakage, damage, or corrosion apparent?			
2) Evidence of erosion present? Scour, gullies, dripped soil, or undercut?			
3) Debris or sediment accumulation around pipe?			
4) Tree roots or woody vegetation growing near or through outlet structure?			

Detention Basin Inspection Form

Inspection Item	Yes	No	Notes/Follow-up Remarks
Emergency Overflow			
1) Are pipes, conduits, or conveyances free from debris and clogs?			
2) Large trees or woody shrubs growing in proximity of conveyance with potential to crack structure or disrupt flow?			
3) Erosion, scour, or gullies, undermined or undercut earth embankments; exposed dirt, worn vegetation, soil washout, or disturbance around the spillway?			
Basin Outfall Area (location outside the basin where stormwater exits, may include receiving waterway			
1) Signs of stormwater exiting the basin in an uncontrolled manner? (over berms or through outside walls)			
2) Erosion, scour, or gullies, undermined or undercut earth embankments; exposed dirt, worn vegetation, soil washout, or disturbance around or downslope of the outfall?			

Corrective Actions	
Inspection Item/Deficiency	Corrective Action(s) Taken
Corrected by:	Date of Correction:

MCM #6: Pollution Prevention & Good Housekeeping

Current Activities:

- Training with Engineering & Public Works Good Housekeeping & Pollution Prevention powerpoint;
- MWRD creek inspection & maintenance program;
- Village Street Sweeping, annual catch basins cleaning and cleaning adjacent to construction projects;
- Hot Spot Patrol and Inlet Cleaning Program;
- Village Severe Weather Emergency Plan;
- Storm sewer repair and maintenance projects;
- Partnership with Park District to maintain detention basins with Village inspections; and
- Staff Attendance at pollution prevention for MS4 communities workshop.

Good Housekeeping

- Proper storage of chemicals:
  - Keep cleanup kits nearby and know how to use them
  - Know where safety sheets are stored;
  - Routine cleanout of chemical storage and inspection of old materials to check for corrosion and expiration.

Good Housekeeping

- Road Salt: Can contribute to polluted waterways and impact local wildlife/flora, and is naturally corrosive on infrastructure
  - Store away from exposure to the elements and out of the floodplain;
  - Can be substituted with other .

Good Housekeeping

- Vehicle Maintenance: Can result in spilled chemicals, release of aerosols, and leftover sediment consisting of rusted metal and corrosive chemicals
  - Maintain all vehicles in designated maintenance areas
  - Used Oil:
    - Appropriate oils can be re-refined and recycled. Store in drums until ready for transport to approved recycling centers.
    - Not fit for recycling – Waste Oil, Vegetable and animal based oils, Antifreeze and Kerosene, Petroleum Distillate.
- Vehicle Washing: Similar to vehicle maintenance, but often pollutants are washed into storm sewers as part of cleanup procedures
  - Wash all vehicles in designated wash stations.

Good Housekeeping

- Parking Lots: Can act as a catch-all for anything that may fall off of or out of a vehicle. Includes leaking chemicals like oil and gas, sediment like dirt or salt, and trash like fast food packaging or plastic waste, as well as the above-mentioned pollutants. Parking lots generally connect directly to storm sewers and can contribute greatly to sediment loading and waterway contamination.
  - Pre-treatment options such as rain garden or vegetated swales will allow for removal of large particulate and some suspended chemicals through pre-treatment;
  - Lots should be swept regularly to prevent sediment and debris from washing into storm drains.

Good Housekeeping

- Coal Tar: used to seal asphalt, specifically driveways and parking lots.
  - Can be replaced with an asphalt-based sealer for instances where price is a limiting factor; or
  - Replaced completely by using alternative paving options like concrete or permeable pavers.

Good Housekeeping

Proper Materials Disposal

- Cell Phones:
  - Consider donating working phones;
  - Are prone to fire and explosion when crushed due to lithium batteries.
  - Dispose of phones in accepting tech shops or accredited recycling locations.
- Batteries:
  - Alkaline & Carbon Zinc – can be disposed of in normal bins in small amounts. Be sure to cover 9 volt leads with tape to prevent hazards. Large amounts should be taken to a disposal center.
  - Lead-Acid & Nickel-Cadmium – Can often be returned to retailer, must be disposed of at a proper waste disposal site otherwise.
  - Lithium & Lithium-Ion – Found in phones, laptops, and other small appliances. Must be disposed of in battery recycling centers.
- Light Bulbs:
  - Fluorescent bulbs can be recycled. Be sure to repackage in original containers to prevent breakage and release of chemicals from broken bulbs.

Good Housekeeping

- Street Sweeping (completed by contractor)
  - Reduce strain on existing stormwater infrastructure;
  - Proactive measure reduces work load in the future due to reduced sediment loading;
  - Keep track of repeatedly troubled areas, also known as a "hot spot";
  - Increase street sweeping operations near construction sites;
  - Store in proper location in yard and dispose of properly.

Good Housekeeping

- Storm Sewer Maintenance:
  - Regular maintenance activities can include:
    - Cleaning out catch basins following storm events or large volume snowmelt;
    - Routine inspection during dry weather for illicit dumping as well as structural concerns.

Good Housekeeping

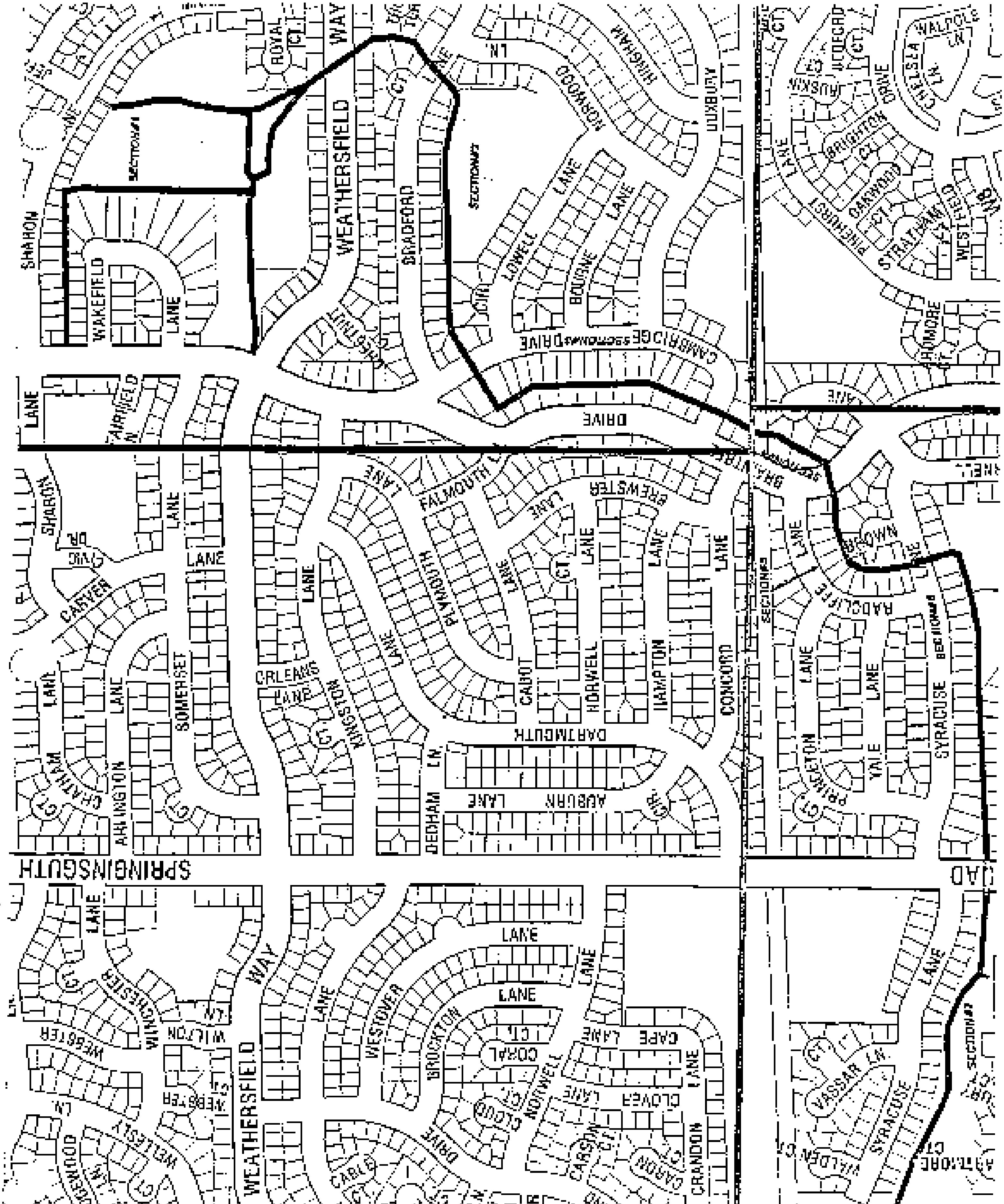
- Facility Inspection

Good Housekeeping

- Facility Inspection

ENGINEERING
RESOURCE ASSOCIATES

Questions?


ROYAL CT.
WAY
LN.
NORWOOD
HINGHAM
DUXBURY
JAUSKIN CT.
MEDFORD CT.
CHELSEA
WALPOLE LN.
DRIVE
LANE
BRIGHTON CT.
OAKWOOD CT.
STRATHAM CT.
WESTFIELD
PINEHURST
SHARON
WAKEFIELD
LANE
WEATHERSFIELD
BRADFORD
LOWELL
BOURNE
CAMBRIDGE DRIVE
SECTION #1
SECTION #2
FAIRFIELD LN
DRIVE
BRAINTREE
FALMOUTH
BREWSTER
SHARON DR.
CARVER
PLYMOUTH
CABOT
HORWELL
HAMPTON
CONCORD
BROWN
RADCLIFFE
SYRACUSE
YALE
PRINCETON
SOMERSET
ARLINGTON
CHATHAM CT.
ORLEANS LANE
KINGSTON
DARTMOUTH
DEDHAM LN.
AUBURN LANE
SPRINGINSGUTH
WEBSTER
WINCHESTER
WILTON
WESTOVER
BROCKTON
CORAL CT.
NORWELL
CAPE LANE
CLOVER LANE
CLOUD CT.
CARSON CT.
CARDON CT.
CRANDON
CABLE
VASSAR LN.
WALDEN CT.
WELLESLEY
WEDGEWOOD LN.
SECTION #3

POLICY STATEMENT 7.04 TITLE: - JOINT POLICY STATEMENT BETWEEN THE VILLAGE OF SCHAUMBURG AND THE SCHAUMBURG PARK DISTRICT

COW Approval: Unavailable

VB Approval Date: August 13, 1985

Statement:

It is mutually agreed between the Village of Schaumburg (hereinafter referred to as "village") and the Schaumburg Park District (hereinafter referred to as "district") that the joint policy for the maintenance responsibilities for various infrastructures located on park sites in the village shall be as follows:

1. Maintenance of Storm Sewer and Headwall Structures Within Park Sites

   Policy: It is mutually agreed that the village will maintain the storm sewer line(s) and the headwall structure(s), including the headwalls, culverts, manholes, catch basins, draintile, control structures, spillways, and other appendages thereto, if any, within the park sites. The intent of the village is to maintain only those storm sewer appurtenances which channel storm water through the park site or which directly serve the retention basin. The village shall not be responsible for maintaining storm sewers or appendages which serve the park site itself, parking lots, or internal roadways on the park site. The district will provide appropriate maintenance easements, as well as ingress/ egress easements to the respective park sites to the village. The village will provide twenty-four (24) hour advance notice to the district prior to entering property for maintenance. Emergency situations are excluded from advance notice requirement. The village shall repair or restore any damage to district property caused by maintenance activity or system failure, exclusive of acts of God. Maintenance by the village shall include erosion to headwall structures, but not to shoreline or creek line.

2. Sump Pumps

   Policy: It is mutually agreed that the village's building codes and drainage ordinances address sump pumps and drainage thereof. It is further agreed that if the district can identify and isolate specific problems with a particular sump pump drainage area, the respective staff will meet and address the problems within the village codes applicable thereto.

3. Swale Clean-Out

   Policy: It is mutually agreed that swales and drainage ditches under the ownership of the district will be the district's responsibility to maintain. It is further agreed that if the district requires some specific assistance, or is in need of a special piece of equipment which the village may have in its possession, the district may request assistance from the village.

4. Turf Maintenance, Turf Replacement, Algae Control, Fish Population, Shore & Bank Erosion, Creek Erosion, Storm Clean-Up

   Policy: It is mutually agreed that those areas under ownership and/ or control of the district shall be the district's sole responsibility for maintenance and those areas under the ownership and/ or control of the village shall be the village's sole responsibility for maintenance. The district and the village agree to assist each other by utilization of equipment and advice at no cost to either party. Use of equipment shall be subject to availability by either party.

5. Gray Farm Marsh Area

   Policy: It is mutually agreed that the district will maintain the control structure between the marsh and the south lake within the Gray Farm marsh area and that the village will maintain the other structures as enumerated in paragraph one (1) of this policy statement.

6. Park District Engineering Criteria

Policy: It is mutually agreed that the district staff will develop and submit to the village engineering department engineering criteria for the development of park sites. It is further agreed that the village engineering department and the village community development department will submit to respective developers, up front, the engineering requirements of the district as they relate to design, etc., of future park sites and where feasible and applicable the design criteria of the district will be the guideline the village will use regarding proposed park sites. It is further agreed that if there is a disagreement between the engineering design criteria that both parties will meet on an informal basis and try to resolve their differences through discussion and general mediation.

In conclusion, it is agreed that the spirit of the joint policy statements enumerated above are provided to give guidance and direction to the respective staffs of the village and the district.

POLICY STATEMENT 7.36 TITLE: - CREEK EROSION CONTROL POLICY

COW Approval: February 16, 1999

VB Approval Date: February 23, 1999

Statement:

Purpose:

There are approximately thirty (30) miles of creeks that transport storm water through the village. Most of these creeks are maintained by the park district. The purpose of this policy is to address the engineering & public works department's planned response to preventing and/or controlling creek bank erosion in the creek known as the West Branch of the DuPage River. This creek begins at Braintree Drive between Sharon and Wakefield Lanes and runs south and west to the village limits with Hanover Park south of Syracuse Lane (see attached map).

This is the only creek in the village that is located predominately on private property. There is approximately five hundred (500) feet of creek which is on private property east of Braintree in the rear yards at Sharon and Wakefield, and approximately seven thousand (7,000) feet of creek on private property which starts at Weathersfield Way south of Campanelli Park and runs to Springinsguth Road. The remaining two thousand five hundred (2,500) feet of creek between Springinsguth Road and the village limits is located on property owned and maintained by the village. The portion of the creek on private property is located within a drainage easement.

This policy only covers the sections of this creek that are located on private property.

OBJECTIVE:

The objective of this policy is to define the erosion control activities of the engineering & public works department in the creek known as the West Branch of the DuPage River. These activities will be limited to controlling erosion which threatens:

1) Village owned storm water facilities such as storm sewer pipe, bridges, etc.
2) Privately owned facilities such as buildings, sheds, fences, etc.
3) Private property (land) experiencing severe erosion of the creek bank.

Procedure:

The engineering & public works department will take the measures it deems necessary to control erosion when any one (1) of the above situations are encountered. The normal method of erosion control will be the installation of rip-rap in the effected area. Rip-rap is defined as broken pieces of concrete sidewalk or driveway that are removed and salvaged during village construction projects.

Rip-rap will be placed in the effected area in a "mosaic-type" method. Areas between the pieces of rip-rap will be filled with concrete. The rip-rap will be placed in the best method to prevent further erosion.

POLICY STATEMENT 7.44 TITLE: - DRAINAGE COMPLAINT RESPONSE POLICY

E & PW Recommendation: September 17, 2009

COW Approval: October 20, 2009

VB Approval Date: October 27, 2009

Statement:

It is in the best interest of the village to see that private property is maintained in an orderly manner, and existing drainage patterns or approved drainage plans are followed. This can be accomplished by assisting property owners with advice and recommendations as they pertain to solution of drainage problems, which in turn support property values and maintain the health, safety, and welfare within all areas of the village.

It is the responsibility of all property owners to keep rainfall runoff flowing from the point of ingress to the point of egress from their property. This is an important part of the overall drainage system of swales, ditches, drainage easements, and storm sewers.

Purpose:

The village receives complaints in regards to flooding and standing water on private property, including single-family residential lots. The objective of this policy is to define the village's response to flooding and drainage issues on private property that do not involve violations of village ordinances or blockage/alteration of natural drainage.

Policy:

The village will evaluate and offer advice and recommendations for drainage improvements, but the village will not make any structural improvements on private property. Any improvements to private property are the responsibility of the individual property owner.

Date: September 17, 2009

MAINTENANCE YARD CHECKLIST

Agency _____ Facility/ Department_____

Completed By _____ Date_____

Vehicles

- ☐ Inspect for leaks *every 3 months*
- ☐ Maintain vehicles in designated area with collection of oil, fuel, fluids

Vehicle Washing

- ☐ Trucks & equipment washed at designated vehicle washing area
- ☐ Maintain / clean out sediment basin or alternative
- ☐ Wash waters drain to sanitary sewer

Trash

- ☐ Sufficient number of bins provided (trash, recycling, landscape waste)
- ☐ Collect trash from grounds and place in bin *weekly*
- ☐ Check for leaks and repair/ replace bins *weekly*
- ☐ Trash bins have lids
- ☐ Hazardous materials- see labels for proper disposal
- ☐ Inspect for and pickup roadkill regularly and properly dispose *weekly*

Pavement

- ☐ Sweep and dispose of debris- do not rinse into storm sewer *monthly*
- ☐ Clean off inlet grates – remove and dispose of debris *monthly*

Catch Basins/ Hydrodynamic separators/ BMPs

- ☐ Inspect *monthly*
- ☐ Clean out catch basins as needed. Dispose in Vactor receiving station or alternative
- ☐ Maintain hydrodynamic separators according to manufacturer instructions

Chemicals

- ☐ Store in labeled containers
- ☐ Fertilizers, pesticides, herbicides, and other chemicals in covered storage area
- ☐ Refer to MSDS for specific storage and handling information
- ☐ Check for leaks and exposed materials *weekly*

Salt

- ☐ Salt covered. Stored in permanent structure by March 1, 2018
- ☐ Check for leaks in salt storage area *monthly*

Landscape materials

- ☐ Landscape materials in collection bin
- ☐ Check for leaks in bins *monthly*

Outdoor Storage

- ☐ Silt fence or other sediment control around spoil piles
- ☐ Outdoor storage and loading areas should be located away from storm drains, drainage swales, rivers, ponds
- ☐ Containment curbs around storage areas to prevent leakage

Spills

- ☐ Spill kits onsite
- ☐ Secondary containment curb around tanks
- ☐ Secondary containment within storm sewers (triple basin) inspect & maintain
- ☐ Spill kits suitable for materials onsite (chemicals, oils)
- ☐ Employees trained in locating/ using spill kits

Training

- ☐ All new employees trained in techniques to prevent and reduce stormwater pollution
- ☐ Annual training for all employees
- ☐ Annual training for contractors

Asset ID	Status	Inspection Date
CBF070	Unable to Clean	
CBF104	Not done	
CBF105	Not done	
CBF106	Not done	
CBF103	Not done	
CBF101	Not done	
CBF098	Not done	
CBF099	Not done	
CBF100	Not done	
CBF094	Not done	
CBF116	Not done	
CBF109	Not done	
CBL042	Not done	
CBL027	Not done	
CBL028	Not done	
CBF115	Not done	
CBF107	Not done	
CBF118	Not done	
CBF102	Not done	
CBF097	Not done	
CBF096	Not done	
CBG050	Not done	
CBG051	Not done	
CBL025	Cleaned - Good	11/4/2019 14:13
CBL024	Cleaned - Needs Repairs	11/4/2019 14:19
CBL022	Cleaned - Good	11/4/2019 14:28
CBL020	Cleaned - Good	11/4/2019 14:41
CBL021	Cleaned - Good	11/4/2019 14:42
CBL018	Cleaned - Good	11/4/2019 14:51
CBL009	Cleaned - Good	11/4/2019 15:08
CBL010	Cleaned - Good	11/4/2019 15:09
CBL012	Cleaned - Good	11/4/2019 15:21
CBL011	Cleaned - Good	11/4/2019 15:22
CBL007	Cleaned - Good	11/4/2019 15:39
CBL008	Cleaned - Good	11/4/2019 15:45
CBL019	Cleaned - Good	11/4/2019 16:25
CBL017	Cleaned - Good	11/4/2019 16:26
CBL016	Cleaned - Good	11/4/2019 16:26
CBL032	Cleaned - Good	11/5/2019 13:10
CBL031	Cleaned - Good	11/5/2019 13:11
CBL029	Cleaned - Good	11/5/2019 13:23
CBL030	Cleaned - Good	11/5/2019 13:28
CBL049	Cleaned - Good	11/5/2019 13:39
CBL043	Cleaned - Good	11/5/2019 13:48
CBL039	Cleaned - Good	11/5/2019 13:54
CBL051	Cleaned - Good	11/5/2019 14:01

CBL046	Cleaned - Good	11/5/2019 14:09
CBL048	Cleaned - Good	11/5/2019 14:17
CBL047	Cleaned - Good	11/5/2019 14:31
CBL038	Unable to Clean	11/5/2019 14:36
CBL037	Cleaned - Good	11/5/2019 14:44
CBL036	Cleaned - Good	11/5/2019 14:50
CBL035	Cleaned - Good	11/5/2019 14:59
CBL052	Cleaned - Good	11/5/2019 15:12
CBL053	Cleaned - Good	11/5/2019 15:21
CBL054	Cleaned - Good	11/5/2019 15:29
CBL055	Cleaned - Good	11/5/2019 15:36
CBL060	Cleaned - Good	11/5/2019 15:46
CBL059	Cleaned - Good	11/5/2019 16:00
CBL058	Cleaned - Good	11/5/2019 16:05
CBL057	Cleaned - Good	11/5/2019 16:11
CBL056	Cleaned - Good	11/5/2019 16:19
CBG011	Cleaned - Good	11/6/2019 13:18
CBG013	Cleaned - Good	11/6/2019 13:23
CBG020	Cleaned - Good	11/6/2019 13:29
CBG023	Cleaned - Good	11/6/2019 13:34
CBG030	Cleaned - Good	11/6/2019 13:43
CBG031	Cleaned - Good	11/6/2019 13:44
CBG032	Cleaned - Good	11/6/2019 13:59
CBG038	Cleaned - Good	11/6/2019 14:23
CBG037	Cleaned - Good	11/6/2019 14:23
CBG036	Cleaned - Good	11/6/2019 14:24
CBG048	Cleaned - Good	11/6/2019 14:24
CBG049	Cleaned - Good	11/6/2019 14:25
CBG040	Cleaned - Good	11/6/2019 14:45
CBG039	Cleaned - Good	11/6/2019 14:46
CBG041	Cleaned - Good	11/6/2019 14:46
CBG044	Cleaned - Good	11/6/2019 15:00
CBG047	Cleaned - Good	11/6/2019 15:06
CBG046	Cleaned - Good	11/6/2019 15:14
CBG026	Cleaned - Good	11/6/2019 15:33
CBG025	Cleaned - Good	11/6/2019 15:34
CBG024	Cleaned - Good	11/6/2019 15:40
CBG022	Cleaned - Good	11/6/2019 15:46
CBG021	Cleaned - Good	11/6/2019 15:56
CBG019	Cleaned - Good	11/6/2019 16:01
CBG018	Cleaned - Good	11/6/2019 16:08
CBG053	Cleaned - Good	11/18/2019 13:34
CBG002	Cleaned - Good	11/18/2019 14:00
CBG003	Cleaned - Good	11/18/2019 14:00
CBG004	Cleaned - Good	11/18/2019 14:01
CBG017	Cleaned - Good	11/18/2019 14:19
CBG016	Cleaned - Good	11/18/2019 14:20

CBG015	Cleaned - Good	11/18/2019 14:32
CBG014	Cleaned - Good	11/18/2019 14:37
CBG012	Cleaned - Good	11/18/2019 14:42
CBG010	Cleaned - Good	11/18/2019 14:47
CBG009	Cleaned - Good	11/18/2019 14:52
CBG008	Cleaned - Good	11/18/2019 15:15
CBG007	Cleaned - Good	11/18/2019 15:15
CBG006	Cleaned - Good	11/18/2019 15:15
CBH007	Cleaned - Good	11/18/2019 15:38
CBH008	Cleaned - Good	11/18/2019 15:38
CBH002	Cleaned - Good	11/18/2019 15:48
CBH014	Cleaned - Good	11/18/2019 16:07
CBH001	Cleaned - Good	11/18/2019 16:07
CBH009	Cleaned - Good	11/18/2019 16:25
CBH010	Cleaned - Good	11/18/2019 16:26
CBH011	Cleaned - Good	11/18/2019 16:38
CBH012	Cleaned - Good	11/18/2019 16:38
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CBE050	Cleaned - Good	11/20/2019 13:46
CBE052	Cleaned - Good	11/20/2019 13:56
CBE053	Cleaned - Good	11/20/2019 13:57
CBE054	Cleaned - Good	11/20/2019 14:02
CBE055	Cleaned - Good	11/20/2019 14:15
CBE071	Cleaned - Good	11/20/2019 14:31
CBE070	Cleaned - Good	11/20/2019 14:31
CBE068	Cleaned - Good	11/20/2019 14:37
CBE069	Cleaned - Good	11/20/2019 14:51
CBE056	Cleaned - Good	11/20/2019 15:01
CBE060	Cleaned - Good	11/20/2019 15:17
CBE059	Cleaned - Good	11/20/2019 15:17
CBE062	Cleaned - Good	11/20/2019 15:31
CBE061	Cleaned - Good	11/20/2019 15:31
CBE063	Cleaned - Good	11/20/2019 15:44
CBE064	Cleaned - Good	11/20/2019 15:49
CBE065	Cleaned - Good	11/20/2019 15:57
CBE067	Cleaned - Good	11/20/2019 16:03
CBE072	Cleaned - Good	11/20/2019 16:33
CBE073	Cleaned - Good	11/20/2019 16:34
CBL006	Cleaned - Good	11/25/2019 13:17
CBL004	Cleaned - Good	11/25/2019 13:18
CBH019	Cleaned - Good	11/25/2019 13:45
CBH018	Cleaned - Good	11/25/2019 13:52
CBH017	Cleaned - Good	11/25/2019 14:00
CBH016	Cleaned - Good	11/25/2019 14:16
CBF085	Cleaned - Good	11/25/2019 14:41

CBF086	Cleaned - Good	11/25/2019 14:41
CBF088	Cleaned - Good	11/25/2019 14:43
CBH005	Cleaned - Good	11/25/2019 14:43
CBH015	Cleaned - Good	11/25/2019 15:04
CBH004	Cleaned - Good	11/25/2019 15:04
CBF090	Cleaned - Good	11/25/2019 15:05
CBF091	Cleaned - Good	11/25/2019 15:06
CBH006	Cleaned - Good	11/25/2019 15:14
CBF067	Cleaned - Good	11/25/2019 15:32
CBF068	Cleaned - Good	11/25/2019 15:39
CBF069	Cleaned - Good	11/25/2019 15:52
CBF108	Unable to Clean	11/25/2019 16:03
CBF114	Cleaned - Good	11/25/2019 16:04
CBF095	Cleaned - Good	11/25/2019 16:11
CBF113	Cleaned - Good	11/25/2019 16:22
CBF078	Cleaned - Good	11/25/2019 16:29
CBF076	Cleaned - Good	11/25/2019 16:45
CBF075	Cleaned - Good	11/25/2019 16:47
CBF056	Cleaned - Good	11/26/2019 13:23
CBF117	Cleaned - Good	11/26/2019 13:24
CBF060	Cleaned - Good	11/26/2019 13:34
CBF059	Cleaned - Good	11/26/2019 13:49
CBF058	Cleaned - Good	11/26/2019 13:50
CBF057	Cleaned - Good	11/26/2019 13:50
CBF110	Cleaned - Good	11/26/2019 14:08
CBF111	Cleaned - Good	11/26/2019 14:10
CBF112	Cleaned - Good	11/26/2019 14:18
CBF084	Cleaned - Good	11/26/2019 14:30
CBF083	Cleaned - Good	11/26/2019 14:35
CBF061	Cleaned - Good	11/26/2019 15:01
CBF010	Cleaned - Good	11/26/2019 15:02
CBF009	Cleaned - Good	11/26/2019 15:03
CBF008	Cleaned - Good	11/26/2019 15:08
CBF022	Cleaned - Good	11/26/2019 15:31
CBF021	Cleaned - Good	11/26/2019 15:32
CBF020	Cleaned - Good	11/26/2019 15:32
CBF018	Cleaned - Good	11/26/2019 15:41
CBF019	Cleaned - Good	11/26/2019 15:42
CBF017	Cleaned - Good	11/26/2019 15:51
CBF016	Cleaned - Good	11/26/2019 15:58
CBF014	Cleaned - Good	11/26/2019 16:39
CBF015	Cleaned - Good	11/26/2019 16:40
CBF012	Cleaned - Good	11/26/2019 16:41
CBF011	Cleaned - Good	11/26/2019 16:41
CBF013	Cleaned - Good	11/26/2019 16:42
CBF024	Cleaned - Good	11/27/2019 13:18
CBF025	Cleaned - Good	11/27/2019 13:19

CBF026	Cleaned - Good	11/27/2019 13:19
CBF027	Cleaned - Good	11/27/2019 13:20
CBF028	Cleaned - Good	11/27/2019 13:39
CBF029	Cleaned - Good	11/27/2019 13:40
CBF031	Cleaned - Good	11/27/2019 13:40
CBF032	Cleaned - Good	11/27/2019 14:01
CBF033	Cleaned - Good	11/27/2019 14:01
CBF034	Cleaned - Good	11/27/2019 14:02
CBF035	Cleaned - Good	11/27/2019 14:08
CBF036	Cleaned - Good	11/27/2019 14:16
CBF037	Cleaned - Good	11/27/2019 14:17
CBF038	Cleaned - Good	11/27/2019 14:35
CBF055	Cleaned - Good	11/27/2019 14:37
CBF062	Cleaned - Good	11/27/2019 14:43
CBF039	Cleaned - Good	11/27/2019 14:59
CBF040	Cleaned - Good	11/27/2019 15:00
CBF041	Cleaned - Good	11/27/2019 15:00
CBF042	Cleaned - Good	11/27/2019 15:09
CBF043	Cleaned - Good	11/27/2019 15:20
CBF044	Cleaned - Good	11/27/2019 15:20
CBF054	Cleaned - Good	11/27/2019 15:27
CBF045	Cleaned - Good	11/27/2019 15:37
CBF046	Cleaned - Good	11/27/2019 15:50
CBF047	Cleaned - Good	11/27/2019 15:51
CBF048	Cleaned - Good	11/27/2019 16:03
CBF049	Cleaned - Good	11/27/2019 16:04
CBF052	Cleaned - Good	11/27/2019 16:19
CBF053	Cleaned - Good	11/27/2019 16:20
CBF050	Cleaned - Good	11/27/2019 16:21
CBF051	Cleaned - Good	11/27/2019 16:25
CBF003	Cleaned - Good	12/2/2019 13:29
CBF004	Cleaned - Good	12/2/2019 13:35
CBF005	Cleaned - Good	12/2/2019 13:41
CBF130	Cleaned - Good	12/2/2019 13:49
CBF089	Cleaned - Good	12/2/2019 13:55
CBF126	Cleaned - Good	12/2/2019 14:11
CBF123	Cleaned - Good	12/2/2019 14:18
CBF119	Cleaned - Good	12/2/2019 14:25
CBF120	Cleaned - Good	12/2/2019 14:31
CBF121	Cleaned - Good	12/2/2019 14:34
CBF135	Cleaned - Good	12/2/2019 14:41
CBF134	Cleaned - Good	12/2/2019 14:47
CBF136	Cleaned - Good	12/2/2019 15:01
CBF127	Cleaned - Good	12/2/2019 15:06
CBF125	Cleaned - Good	12/2/2019 15:10
CBF124	Cleaned - Good	12/2/2019 15:16
CBF122	Cleaned - Good	12/2/2019 15:27

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CBF128	Cleaned - Good	12/2/2019 15:40
CBF133	Cleaned - Good	12/2/2019 15:49
CBF131	Cleaned - Good	12/2/2019 15:55
CBF030	Cleaned - Good	12/2/2019 15:59
CBF132	Cleaned - Good	12/2/2019 16:03
CBF006	Cleaned - Good	12/2/2019 16:17
CBF007	Cleaned - Good	12/2/2019 16:23
CBF001	Cleaned - Good	12/2/2019 16:35
CBF002	Cleaned - Good	12/2/2019 16:36
CBE001	Cleaned - Good	12/6/2019 13:36
CBE002	Cleaned - Good	12/6/2019 13:45
CBE004	Cleaned - Good	12/6/2019 13:52
CBE005	Cleaned - Good	12/6/2019 13:56
CBE006	Cleaned - Good	12/6/2019 14:02
CBE007	Cleaned - Good	12/6/2019 14:06
CBE009	Cleaned - Good	12/6/2019 14:22
CBE010	Cleaned - Good	12/6/2019 14:23
CBE008	Cleaned - Good	12/6/2019 14:25
CBE012	Cleaned - Good	12/6/2019 14:41
CBE023	Cleaned - Good	12/6/2019 14:47
CBE016	Cleaned - Good	12/6/2019 14:54
CBE015	Cleaned - Good	12/6/2019 14:58
CBE085	Cleaned - Good	12/6/2019 15:05
CBE013	Cleaned - Good	12/6/2019 15:11
CBE017	Cleaned - Good	12/6/2019 15:21
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CBE020	Cleaned - Good	12/6/2019 15:39
CBE018	Cleaned - Good	12/6/2019 15:47
CBE021	Cleaned - Good	12/6/2019 15:53
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CBE027	Cleaned - Good	12/6/2019 16:05
CBE026	Cleaned - Good	12/6/2019 16:10
CBE025	Cleaned - Good	12/6/2019 16:25
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CBE028	Cleaned - Good	12/6/2019 16:45
CBE076	Cleaned - Good	12/9/2019 13:35
CBE029	Cleaned - Good	12/9/2019 13:36
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CBE031	Cleaned - Good	12/9/2019 13:46
CBE033	Cleaned - Good	12/9/2019 13:54
CBE032	Cleaned - Good	12/9/2019 14:03
CBE034	Cleaned - Good	12/9/2019 14:09
CBE035	Cleaned - Good	12/9/2019 14:19
CBE036	Cleaned - Good	12/9/2019 14:20
CBE040	Cleaned - Good	12/9/2019 14:25
CBE037	Cleaned - Good	12/9/2019 14:36

CBE039	Cleaned - Good	12/9/2019 14:53
CBE011	Cleaned - Good	1/6/2020 16:26
CBE083	Cleaned - Good	3/5/2020 13:40
CBE082	Cleaned - Good	3/5/2020 13:48
CBE081	Cleaned - Good	3/5/2020 13:53
CBE080	Cleaned - Good	3/5/2020 13:58
CBE074	Cleaned - Good	3/5/2020 14:07
CBE075	Cleaned - Good	3/5/2020 14:08
CBE077	Cleaned - Good	3/5/2020 14:20
CBE078	Cleaned - Good	3/5/2020 14:21
CBE079	Cleaned - Good	3/5/2020 14:38
CBE047	Cleaned - Good	3/5/2020 14:51
CBE048	Cleaned - Good	3/5/2020 14:51
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CBE038	Cleaned - Good	3/5/2020 15:03
CBE041	Cleaned - Good	3/5/2020 15:09
CBE045	Cleaned - Good	3/5/2020 15:30
CBE044	Cleaned - Good	3/5/2020 15:30
CBE043	Cleaned - Good	3/5/2020 15:31
CBL002	Cleaned - Good	3/5/2020 15:52
CBF074	Cleaned - Good	3/6/2020 13:37
CBF073	Cleaned - Good	3/6/2020 13:42
CBF072	Cleaned - Good	3/6/2020 13:48
CBF071	Cleaned - Good	3/6/2020 13:52
CBF065	Cleaned - Good	3/6/2020 14:08
CBF066	Cleaned - Good	3/6/2020 14:08
CBF079	Cleaned - Good	3/6/2020 14:18
CBF080	Cleaned - Good	3/6/2020 14:32
CBF082	Cleaned - Good	3/6/2020 14:33
CBF081	Cleaned - Good	3/6/2020 14:34

CIP Projects

Project Type : Storm Water

CMP Storm Sewer Rehabilitation - Cedarcrest Drive
This project will address the existing CMP storm sewer on Cedarcrest from Weathersfield Way to Boxwood.
Construction - Construction - Summer 2020

Culvert Rehabilitation - Weathersfield Way
This project consists of rehabilitating the 84-inch CMP culvert on Weathersfield Way.
Design - Design - Summer 2020 Construction - Summer 2021

Culvert Replacement - American Lane
Design - Design - Summer 2020 Construction - Summer 2021

Showing 1 to 3 of 3 entries

< 1 >

InspectionId	Date Inspected	Inspected By	Status	Submit To	Finish Date	District	Entity Uid	InspTemplateId
1856		rkeats	CLOSED	rkeats	03/18/2019 12:30	V	CBV050	10
1855	03/18/2019 12:32	scasey	CLOSED	rkeats	03/18/2019 12:32	V	CBV052	10
1853	03/18/2019 12:32	scasey	CLOSED	rkeats	03/18/2019 12:33	V	CBV054	10
1852	03/18/2019 12:35	rkeats	CLOSED	rkeats	03/18/2019 12:35	V	CBV057	10
1851	03/18/2019 12:36	rkeats	CLOSED	rkeats	03/18/2019 12:37	V	CBV059	10
1849	03/18/2019 12:43	rkeats	CLOSED	rkeats	03/18/2019 12:43	V	CBV060	10
1842	03/18/2019 03:01	rkeats	CLOSED	rkeats	03/18/2019 03:01	V	CBV063	10
1847	03/18/2019 03:06	rkeats	CLOSED	rkeats	03/18/2019 03:08	V	CBV064	10
1846	03/18/2019 03:09	rkeats	CLOSED	rkeats	03/18/2019 03:10	V	CBV066	10
1844	03/25/2019 09:30	rkeats	CLOSED	rkeats	03/25/2019 09:30	V	CBV062	10
1845	03/25/2019 09:32	cmaentan	CLOSED	rkeats	03/25/2019 09:32	V	CBV061	10
1843	03/25/2019 09:33	rkeats	CLOSED	rkeats	03/25/2019 09:34	V	CBV065	10
1848	03/25/2019 09:46	cmaentan	CLOSED	rkeats	03/25/2019 09:47	V	CBV058	10
1850	03/25/2019 09:59	rkeats	CLOSED	rkeats	03/25/2019 09:59	V	CBV056	10
1854	03/25/2019 02:08		CLOSED	rkeats	03/25/2019 02:08	V	CBV055	10
1857	03/25/2019 02:18	rkeats	CLOSED	rkeats	03/25/2019 02:19	V	CBV053	10
1858	03/25/2019 02:19	cmaentan	CLOSED	rkeats	03/25/2019 02:20	V	CBV051	10
1861	03/25/2019 02:24	cmaentan	CLOSED	rkeats	03/25/2019 02:25	V	CBV046	10
1863	03/26/2019 09:08	cmaentan	CLOSED	rkeats	03/26/2019 09:08	V	CBV044	10
1864	03/26/2019 09:09	rkeats	CLOSED	rkeats	03/26/2019 09:09	V	CBV041	10
2199	03/26/2019 10:31	cmaentan	CLOSED		03/26/2019 10:32	X	CBX001	10
2200	03/26/2019 10:34	cmaentan	CLOSED	cmaentan	03/26/2019 10:35	W	CBW159	10
2202	03/26/2019 02:38	cmaentan	CLOSED		03/26/2019 02:38	X	CBX021	10
2208	03/26/2019 02:40	rkeats	CLOSED		03/26/2019 02:40	X	CBX002	10
2211	03/26/2019 02:42	rkeats	CLOSED		03/26/2019 02:43	X	CBX003	10
2210	03/26/2019 02:44	rkeats	CLOSED		03/26/2019 02:44	X	CBX004	10
2209	03/26/2019 02:46	cmaentan	CLOSED		03/26/2019 02:46	X	CBX006	10
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2205	03/26/2019 02:58	cmaentan	CLOSED		03/26/2019 02:59	X	CBX008	10
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8618	07/2/2019 09:11	cmaentan	CLOSED		07/2/2019 09:11	W	CBW034	10
8619	07/2/2019 09:12	cmaentan	CLOSED		07/2/2019 09:12	W	CBW035	10
8624	07/2/2019 11:04	cmaentan	CLOSED		07/2/2019 11:05	W	CBW030	10
8623	07/2/2019 11:09	cmaentan	CLOSED		07/2/2019 11:09	W	CBW155	10
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2207	07/2/2019 01:11	cmaentan	CLOSED		07/2/2019 01:11	X	CBX023	10
2204	07/2/2019 01:11	cmaentan	CLOSED		07/2/2019 01:12	X	CBX026	10
2212	07/2/2019 01:41	cmaentan	CLOSED		07/2/2019 01:42	X	CBX036	10
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1862	03/25/2019 02:27	cmaentan	CLOSED	rkeats	07/2/2019 03:10	V		10
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8620	07/1/2019 01:46		CLOSED		07/2/2019 03:10	W	CBW157	10
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8927	08/6/2019 11:22	scasey	CLOSED		08/6/2019 11:22	X	CBX034	10
8926	08/6/2019 11:23	rkeats	CLOSED		08/6/2019 11:24	X	CBX011	10
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8932		rkeats	CLOSED		08/6/2019 11:27	X	CBX016	10
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8931	08/6/2019 01:15	scasey	CLOSED		08/6/2019 01:15	X	CBX014	10
8933	08/6/2019 01:16	rkeats	CLOSED		08/6/2019 01:16	X	CBX015	10
8934	08/6/2019 01:18	rkeats	CLOSED		08/6/2019 01:18	X	CBX017	10
8929	08/6/2019 03:37	rkeats	CLOSED		08/6/2019 03:39	X	CBX010	10
8928	08/6/2019 03:40	scasey	CLOSED		08/6/2019 03:41	X	CBX012	10
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8937			CLOSED		08/23/2019 09:03	W	CBW133	10
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10279	08/28/2019 01:57	mgascon	CLOSED		08/28/2019 01:57	B	CBB026	10
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10265	08/29/2019 08:51	scasey	CLOSED		08/29/2019 08:52	B	CBB013	10
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10266	08/29/2019 09:58	scasey	CLOSED		08/29/2019 09:59	B	CBB036P	10
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10220	08/29/2019 01:23	scasey	CLOSED		08/29/2019 01:24	C	CBC016	10
10217	08/29/2019 01:25	scasey	CLOSED		08/29/2019 01:25	C	CBC021	10
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10214	08/29/2019 01:48	mgascon	CLOSED		08/29/2019 01:48	C	CBC022	10
10186	08/30/2019 09:59	scasey	CLOSED		08/30/2019 10:00	C	CBC045	10
10180	08/30/2019 12:12	mgascon	CLOSED		08/30/2019 12:12	C	CBC040	10
10185	08/30/2019 12:13	mgascon	CLOSED		08/30/2019 12:13	C	CBC041	10
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10181	08/30/2019 12:15	mgascon	CLOSED		08/30/2019 12:15	C	CBC044	10
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10189	09/10/2019 09:31	rkeats	CLOSED		09/10/2019 09:32	C	CBC034	10
10188	09/10/2019 09:32	rkeats	CLOSED		09/10/2019 09:32	C	CBC036	10
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10155	09/10/2019 10:45	jgiovenco	CLOSED	09/10/2019 10:46	D	CBD158	10
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10988	09/10/2019 01:20	jgiovenco	CLOSED	09/10/2019 01:21	D	CBD072	10
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10987	09/10/2019 01:43	jgiovenco	CLOSED	09/10/2019 01:43	D	CBD075	10
10986	09/10/2019 01:44	jgiovenco	CLOSED	09/10/2019 01:44	D	CBD074	10
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10198	09/12/2019 02:29	rkeats	CLOSED	09/12/2019 02:36	C	CBC009	10
10212	09/12/2019 02:27	rkeats	CLOSED	09/12/2019 02:36	C	CBC024	10
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10166	10/29/2019 08:53	jgiovenco	CLOSED	10/29/2019 08:54	C	CBD150	10
10165	10/29/2019 09:01	jgiovenco	CLOSED	10/29/2019 09:02	C	CBD152	10
10162	10/29/2019 09:09	jgiovenco	CLOSED	10/29/2019 09:09	C	CBD153	10
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10127	10/29/2019 02:03	jgiovenco	CLOSED	10/29/2019 02:04	D	CBD180	10
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13668	12/16/2019 09:30	mpalomo	CLOSED		12/16/2019 09:31	M	CBM004	10
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13564	12/16/2019 10:24	mpalomo	CLOSED		12/16/2019 10:25	M	CBM113	10

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13558	12/16/2019 12:38	jgiovenco	CLOSED	12/16/2019 12:38	M	CBM112	10
13552	12/16/2019 12:39	mpalomo	CLOSED	12/16/2019 12:39	M	CBM120	10
13567	12/16/2019 12:39	jgiovenco	CLOSED	12/16/2019 12:40	M	CBM121	10
13571	12/16/2019 12:44	mpalomo	CLOSED	12/16/2019 12:45	M	CBM126	10
13544	12/16/2019 01:36	mpalomo	CLOSED	12/16/2019 01:37	M	CBM135	10
13660	12/16/2019 01:50	jgiovenco	CLOSED	12/16/2019 01:51	M	CBM099	10
13671	12/19/2019 09:04	jgiovenco	CLOSED	12/19/2019 09:04	M	CBM001	10
13670	12/19/2019 09:06	jgiovenco	CLOSED	12/19/2019 09:06	M	CBM002	10
13635	12/19/2019 09:44	jgiovenco	CLOSED	12/19/2019 09:45	M	CBM056	10
13560	12/19/2019 01:30	jgiovenco	CLOSED	12/19/2019 01:31	M	CBM119	10
13609	12/19/2019 02:18	jgiovenco	CLOSED	12/19/2019 02:18	M	CBM028	10
13607	12/19/2019 02:20	jgiovenco	CLOSED	12/19/2019 02:20	M	CBM026	10
13610	12/19/2019 02:21	jgiovenco	CLOSED	12/19/2019 02:21	M	CBM027	10
10272	01/31/2020 01:30	scasey	CLOSED	01/31/2020 01:30	B	CBB028	10
10210	01/31/2020 01:31	scasey	CLOSED	01/31/2020 01:32	C	CBC027	10
10209	01/31/2020 01:33	scasey	CLOSED	01/31/2020 01:33	C	CBC025	10
10192	01/31/2020 02:00	scasey	CLOSED	01/31/2020 02:01	C	CBC011	10
10199	01/31/2020 02:23	scasey	CLOSED	01/31/2020 02:24	C	CBC007	10
10179	02/3/2020 01:23	rkeats	CLOSED	02/3/2020 01:23	C	CBC042	10
10221	02/3/2020 01:24	rkeats	CLOSED	02/3/2020 01:24	C	CBC052	10
10222	02/3/2020 01:39	rkeats	CLOSED	02/3/2020 01:39	C	CBC015	10
19569	02/3/2020 02:24	rkeats	CLOSED	02/3/2020 02:24	N	CBN014	10
19571	02/3/2020 02:31	rkeats	CLOSED	02/3/2020 02:31	N	CBN015	10
19637	02/4/2020 08:21	rkeats	CLOSED	02/4/2020 08:21	O	CBO017	10
19636	02/4/2020 08:35	rkeats	CLOSED	02/4/2020 08:35	O	CBO018	10
19635	02/4/2020 08:50	rkeats	CLOSED	02/4/2020 08:50	O	CBO019	10
19634	02/4/2020 09:02	rkeats	CLOSED	02/4/2020 09:02	O	CBO020	10
19633	02/4/2020 09:21	rkeats	CLOSED	02/4/2020 09:21	O	CBO021	10
19638	02/4/2020 10:35	rkeats	CLOSED	02/4/2020 10:35	O	CBO022	10
19639	02/4/2020 10:35	rkeats	CLOSED	02/4/2020 10:35	O	CBO023	10
19630	02/4/2020 10:52	rkeats	CLOSED	02/4/2020 10:52	O	CBO014	10
19631	02/4/2020 12:45	rkeats	CLOSED	02/4/2020 12:45	O	CBO015	10
19632	02/4/2020 12:46	rkeats	CLOSED	02/4/2020 12:46	O	CBO016	10
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13594	12/9/2019 02:17	scasey	CLOSED	02/4/2020 03:02	M	CBM072	10
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13596	12/9/2019 02:14	scasey	CLOSED	02/4/2020 03:02	M	CBM069	10
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13599	12/9/2019 02:12	scasey	CLOSED	02/4/2020 03:02	M	CBM068	10
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13611	12/9/2019 11:08	scasey	CLOSED	02/4/2020 03:02	M	CBM060	10
13634	12/9/2019 11:03	scasey	CLOSED	02/4/2020 03:02	M	CBM055	10
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13642	12/9/2019 11:01	scasey	CLOSED	02/4/2020 03:02	M	CBM087	10
13644	12/9/2019 10:59	scasey	CLOSED	02/4/2020 03:02	M	CBM089	10
13645	12/9/2019 11:02	scasey	CLOSED	02/4/2020 03:02	M	CBM088	10
13652	12/9/2019 02:22	scasey	CLOSED	02/4/2020 03:02	M	CBM080	10
13653	12/9/2019 02:21	scasey	CLOSED	02/4/2020 03:02	M	CBM079	10
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19361	02/10/2020 01:31	rkeats	CLOSED	02/10/2020 01:31	N	CBN151	10
19464	02/10/2020 01:31	rkeats	CLOSED	02/10/2020 01:31	N	CBN137	10
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19460	02/10/2020 02:06	rkeats	CLOSED	02/10/2020 02:06	N	CBN138	10
19463	02/11/2020 09:03	rkeats	CLOSED	02/11/2020 09:03	N	CBN002	10
19462	02/11/2020 09:03	rkeats	CLOSED	02/11/2020 09:03	N	CBN001	10
19567	02/11/2020 09:28	rkeats	CLOSED	02/11/2020 09:28	N	CBN003	10
19574	02/11/2020 09:29	rkeats	CLOSED	02/11/2020 09:29	N	CBN008	10
19573	02/11/2020 09:47	rkeats	CLOSED	02/11/2020 09:47	N	CBN009	10
19392	02/11/2020 09:54	rkeats	CLOSED	02/11/2020 09:54	N	CBN141	10
19583	02/11/2020 10:37	rkeats	CLOSED	02/11/2020 10:37	N	CBN006	10
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19545	02/18/2020 01:22	rkeats	CLOSED	02/18/2020 01:22	O	CBO072	10
19388	02/18/2020 02:19	rkeats	CLOSED	02/18/2020 02:19	O	CBO075	10
19544	02/18/2020 02:20	rkeats	CLOSED	02/18/2020 02:20	O	CBO071	10
19410	02/18/2020 02:27	rkeats	CLOSED	02/18/2020 02:27	O	CBO074	10
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10292	08/27/2019 01:35	rkeats	CLOSED	02/18/2020 02:49	B	CBB009	10
10297	08/27/2019 01:00	rkeats	CLOSED	02/18/2020 02:49	B	CBB010	10
10298	08/27/2019 01:46	rkeats	CLOSED	02/18/2020 02:49	B	CBB008	10
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19407	02/19/2020 10:07	rkeats	CLOSED	02/19/2020 10:07	O	CBO086	10
19405	02/19/2020 10:18	rkeats	CLOSED	02/19/2020 10:18	O	CBO087	10
19404	02/19/2020 10:25	rkeats	CLOSED	02/19/2020 10:25	O	CBO088	10
19402	02/19/2020 10:46	rkeats	CLOSED	02/19/2020 10:46	O	CBO090	10
19403	02/19/2020 12:36	rkeats	CLOSED	02/19/2020 12:36	O	CBO089	10
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19398	02/19/2020 12:49	rkeats	CLOSED	02/19/2020 12:49	O	CBO082	10
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19399	02/19/2020 01:11	rkeats	CLOSED	02/19/2020 01:11	O	CBO085	10
19397	02/19/2020 01:16	rkeats	CLOSED	02/19/2020 01:16	O	CBO079	10
19395	02/19/2020 01:24	rkeats	CLOSED	02/19/2020 01:24	O	CBO078	10
19394	02/19/2020 01:30	rkeats	CLOSED	02/19/2020 01:30	O	CBO077	10
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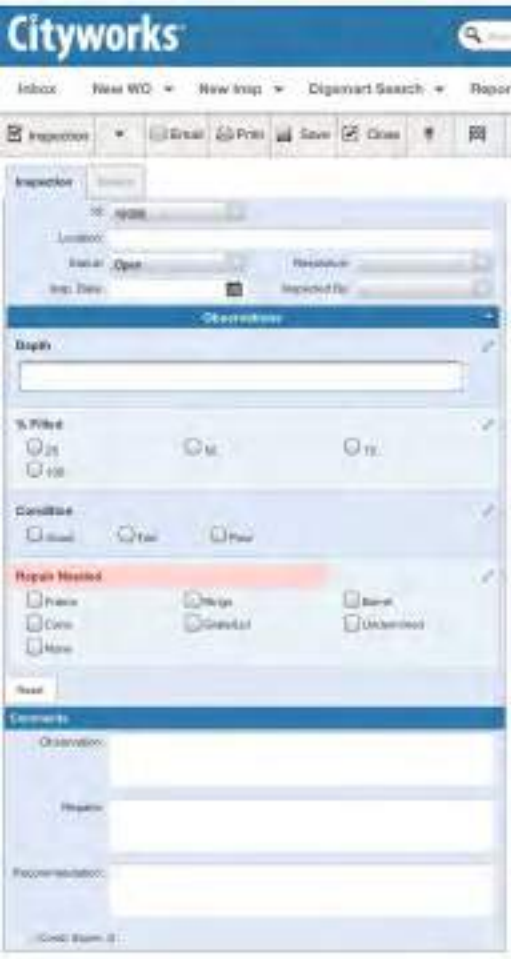
19506	02/25/2020 09:21	jgiovenco	CLOSED	02/25/2020 09:21	N	CBN105	10
19505	02/25/2020 09:21	jgiovenco	CLOSED	02/25/2020 09:21	N	CBN106	10
19492	02/25/2020 09:44	jgiovenco	CLOSED	02/25/2020 09:44	N	CBN107	10
19504	02/26/2020 01:07	jgiovenco	CLOSED	02/26/2020 01:07	N	CBN108	10
19503	02/26/2020 01:22	jgiovenco	CLOSED	02/26/2020 01:22	N	CBN109	10
19500	02/26/2020 01:43	jgiovenco	CLOSED	02/26/2020 01:43	N	CBN120	10
19502	02/26/2020 01:44	jgiovenco	COMPLETE	02/26/2020 01:44	N	CBN118	10
19383	02/26/2020 02:39	jgiovenco	CLOSED	02/26/2020 02:39	N	CBN111	10
19384	02/26/2020 02:39	jgiovenco	CLOSED	02/26/2020 02:39	N	CBN110	10



Certificate of Completion

John Pavlis

License number, company, etc - if required, please complete: _____

State agency course approval or reference number - if required please complete: _____

This document certifies attendance and successful completion of

TU10: Quality of Life: The New Employee Retention Model

Tuesday, February 18, 2020 • 9:00 AM-10:00 AM

Indiana Convention Center • Indianapolis, IN

Approved Instructor(s):

Rodney Koop

Education Hours

1.0 Education Hours

Attach copy of your state/agency approval if hours/credits granted above differs from their approval.

Informa

6191 N. State Hwy. 161, Ste 500
Irving, TX 75038

Verified by: Cindy Barrand, Conf. Mgr.

Certificate of Completion

John Pavlis

License number, company, etc - if required, please complete: _____

State agency course approval or reference number - if required please complete: _____

This document certifies attendance and successful completion of

TU02: Technologies for Locating Underground Pipe and Buried Objects

Tuesday, February 18, 2020 • 7:30 AM-8:30 AM

Indiana Convention Center • Indianapolis, IN

Approved Instructor(s):

Mark Beatty

Education Hours

1.0 Education Hours

Attach copy of your state/agency approval if hours/credits granted above differs from their approval.

Informa

6191 N. State Hwy. 161, Ste 500
Irving, TX 75038

Verified by: Cindy Barrand, Conf. Mgr.

Certificate of Completion

John Pavlis

License number, company, etc - if required, please complete: _____

State agency course approval or reference number - if required please complete: _____

This document certifies attendance and successful completion of

TH03: Don't Blow the Commode

Thursday, February 20, 2020 • 8:00 AM-9:00 AM

Indiana Convention Center • Indianapolis, IN

Approved Instructor(s):

Ed Fitzgerald

Education Hours

1.0 Education Hours

Attach copy of your state/agency approval if hours/credits granted above differs from their approval.

Informa

6191 N. State Hwy. 161, Ste 500
Irving, TX 75038

Verified by: Cindy Barrand, Conf. Mgr.

Don't Blow the Commode

Certificate of Completion

John Pavlis

License number, company, etc - if required, please complete: _____

State agency course approval or reference number - if required please complete: _____

This document certifies attendance and successful completion of

MO06: Creating Great Techs From the Younger Workforce

Monday, February 17, 2020 • 3:00 PM-4:00 PM

Indiana Convention Center • Indianapolis, IN

Approved Instructor(s):

Al Levi, Jim Criniti

Education Hours

1.0 Education Hours

Attach copy of your state/agency approval if hours/credits granted above differs from their approval.

Informa

6191 N. State Hwy. 161, Ste 500
Irving, TX 75038

Verified by: Cindy Barrand, Conf. Mgr.

Certificate of Completion

John Pavlis

License number, company, etc - if required, please complete: _____

State agency course approval or reference number - if required please complete: _____

This document certifies attendance and successful completion of

MO01: Adopting A New Technology Needs More Evaluation Than The Initial Costs

Monday, February 17, 2020 • 1:30 PM-2:30 PM

Indiana Convention Center • Indianapolis, IN

Approved Instructor(s):

John Heisler

Education Hours

1.0 Education Hours

Attach copy of your state/agency approval if hours/credits granted above differs from their approval.

Informa

6191 N. State Hwy. 161, Ste 500
Irving, TX 75038

Verified by: Cindy Barrand, Conf. Mgr.

Adopting A New Technology Needs More Evaluation Than The Initial Costs

AMERICAN STORMWATER INSTITUTE, LLC

THIS CERTIFIES THAT

MICHAEL PALOMO, MS4-SCP

HAS SUCCESSFULLY COMPLETED THE TRAINING REQUIREMENTS AND IS HEREBY RECOGNIZED AS A:

QUALIFIED MS4 STORMWATER COMPLIANCE PROFESSIONAL

The person identified above has been awarded 1.5 CEUs

J. Fred Heitman, Lead Instructor

Qualification Date	Qualification Expires	Qualification Number
October 22, 2019	October 22, 2022	1849

AMERICAN STORMWATER INSTITUTE, LLC

THIS CERTIFIES THAT

DAN LARSON, MS4-SCP

HAS SUCCESSFULLY COMPLETED THE TRAINING REQUIREMENTS AND IS HEREBY RECOGNIZED AS A:

QUALIFIED MS4 STORMWATER COMPLIANCE PROFESSIONAL

The person identified above has been awarded 1.5 CEUs

J. Fred Heitman, Lead Instructor

Qualification Date	Qualification Expires	Qualification Number
October 22, 2019	October 22, 2022	1850

Certificate of Completion

John Pavlis

License number, company, etc - if required, please complete: _____

State agency course approval or reference number - if required please complete: _____

This document certifies attendance and successful completion of

TU26: Assisted PACP - Using Artificial Intelligence to Speed Up PACP Coding

Tuesday, February 18, 2020 • 4:30 PM-5:30 PM

Indiana Convention Center • Indianapolis, IN

Approved Instructor(s):

Matthew Rosenthal, William Gilmartin

Education Hours

1.0 Education Hours

Attach copy of your state/agency approval if hours/credits granted above differs from their approval.

Informa

6191 N. State Hwy. 161, Ste 500
Irving, TX 75038

Verified by: Cindy Barrand, Conf. Mgr.

Certificate of Completion

John Pavlis

License number, company, etc - if required, please complete: _____

State agency course approval or reference number - if required please complete: _____

This document certifies attendance and successful completion of

TU17: Emerging Renewal Technologies for Pressurized Pipelines

Tuesday, February 18, 2020 • 1:30 PM-2:30 PM

Indiana Convention Center • Indianapolis, IN

Approved Instructor(s):

Ian Lancaster, Rick Baxter

Education Hours

1.0 Education Hours

Attach copy of your state/agency approval if hours/credits granted above differs from their approval.

Informa

6191 N. State Hwy. 161, Ste 500
Irving, TX 75038

Verified by: Cindy Barrand, Conf. Mgr.

Welcome

Member Resources

News & Events

Links

NWMC
1600 East Golf Road
Suite 0700
Des Plaines, IL 60016
Phone: 847-296-9200
Fax: 847-296-9207

Poplar Creek and Upper Salt Creek Watershed Planning Councils

The Poplar Creek Watershed Planning Council meets jointly with the Upper Salt Creek Watershed Planning Council.

	Poplar Creek Executive Officers	Upper Salt Creek Executive Officers
President	Mayor Al Larson Village of Schaumburg	Mayor Al Larson Village of Schaumburg
Vice President	Curt Carver Village of Inverness	Curt Carver Village of Inverness
Treasurer	Gary Salavitch Village of Hoffman Estates	Gary Salavitch Village of Hoffman Estates
Secretary	Rob Covey Village of Schaumburg	Fred Vogt City of Rolling Meadows

Stormwater Management Planning Councils - Rules and Regulations

2019 Meeting Schedule:

Wednesday, January 9, 2019
Wednesday, April 17, 2019
Wednesday, July 17, 2019
Wednesday, October 16, 2019

All meetings begin at 10:30 a.m. at the Prairie Center for the Arts located at 201 Schaumburg Court in Schaumburg.

Meeting dates and agendas are available here: http://www.mwrd.org/irj/portal/anonymous?NavigationTarget=navurl://89dab4ea3482066fb3849005f90a6af9

Members:

Poplar Creek Watershed	Upper Salt Creek Watershed
Barrington Hills	Arlington Heights
Bartlett	Barrington*
Elgin	Deer Park
Hanover Park*	Elk Grove Village
Hoffman Estates	Hoffman Estates
Inverness*	Inverness
Schaumburg	Palatine
South Barrington	Rolling Meadows
Streamwood	Schaumburg
Unincorporated Cook County	Roselle
Barrington Township	Unincorporated Cook County
Hanover Township	Elk Grove Township
Palatine Township	Palatine Township
Schaumburg Township	Schaumburg Township
	Wheeling Township

* Indicates municipality has opted out of membership to this particular watershed planning council

News / Events

2019 NWMC Gala Sponsorship Opportunities

NWMC Press Release - 2019 Legislative Program

2019 NWMC Legislative Brunch Photos

NWMC Press Release - Arlene Juracek Inaugurated as NWMC President

2018 NWMC Gala Photos

BID SHEET

Note: the Bidder must complete all portions of the Bid Sheet.
The undersigned, having examined the specifications and all conditions affecting the specified project, offer to furnish all services, labor, and incidentals specified for the price below.

The undersigned Bidder certifies that they are not barred from bidding on this contract as a result of a conviction for the violation of state laws prohibiting bid rigging or bid rotating. (720ILCS 5/33E-1, et seq.) and is not delinquent in any taxes to the Illinois Department of Revenue. (65ILCS 5/11-42.1-1)

It is understood that the Village reserves the right to reject any and all bids and to waive any irregularities and that the prices contained herein will remain valid for a period of not less than sixty (60) days.

I (We) propose to complete the following project as more fully described in the specifications for the following:

Bidding Company Name: Hoving Clean Sweep, LLC.

Contractual Street Sweeping	
Total Cost of Items 1 thru 5 as listed on the *Detail Cost Sheet*	**$** 143,455.00

☒ **Our firm has not altered any of the written text within this document. Only those areas requiring input by the respondent have been changed or completed.**

☒ **Our firm will comply with the Prevailing Wage requirements as outlined in section entitled "*A. General Supplemental Additional Conditions*", and Public Act 095-0635.**

We understand payment of prevailing wage is a requirement of this contract. We agree to submit monthly certified payroll to the Village no later than the 10th of each month in which work has been performed.	(YES)	NO

If it is the Contractor's intention to utilize a subcontractor(s) to fulfill the requirements of this contract, the Village must be advised of the subcontractor's company name, address, telephone and fax numbers, and a contact person's name at the time of bid submittal.

Will you be utilizing a subcontractor?	YES	(NO)
If yes, have you included all required information with your bid submittal?	YES	NO

- OR-

NO BID – Keep our company on your Bidders List	:Signature :Date
NO BID – Remove our company from your Bidders List	:Signature :Date

- Note: Please feel free to attach further explanation if desired as to your reasons for not submitting a bid.

Electronic Bid Bond ID#: BANK CHECK. By indicating the Electronic Bid Bond ID # in the space provided, and by signing and submitting this *Bid Sheet*, the Bidder is ensuring the identified Electronic Bid Bond has been executed and the Bond is in compliance with the requirements of the bid security stated in this Invitation for Bid.

INDEMNIFICATION: The Bidder hereby agrees to protect, defend, indemnify, and save harmless the Village against loss, damage, or expense from any suit, claim, demand, judgment, cause of action, or shortage initiated by any person whatsoever, arising or alleged to have arisen out of work described herein, except that in no instance shall the Bidder be held responsible for any liability, claim, demand, or cause of action attributable solely to the negligence of the Village.

I hereby certify that the item(s) proposed is/are in accordance with the specifications as noted and that the prices quoted are not subject to change; and that

Hoving Clean Sweep (Company Name) is not barred by law from submitting a bid to the Village for the project contemplated herein because of a conviction for prior violations of either Illinois Compiled Statutes, 720 ILCS 5/33E-3 (Bid Rigging) or 720 ILCS 5/33-4 (Bid Rotating); and that

Hoving Clean Sweep (Company Name) is not delinquent in payment of any taxes to the Illinois Department of Revenue in accordance with 65 ILCS 5/11-42.1; and that

Hoving Clean Sweep (Company Name) provides a drug free workplace pursuant 30 ILCS 580/1, et seq.; and that

Hoving Clean Sweep (Company Name) certifies they have a substance-abuse program and provide drug testing in accordance with 820 ILCS 130/11G, Public Act 095-0635; and that

Hoving Clean Sweep (Company Name) is in compliance with the Illinois Human Rights Act 775 ILCS 5/1-101, et seq. including establishment and maintenance of sexual harassment policies and program.

Hoving Clean Sweep, LLC Bidder's Firm Name	 Signed Name and Title
2351 Powis Road Street Address	K.J. Loerop Vice President Print Name and Title
West Chicago, IL. 60185 City State Zip Code	kj@khoving.com E-mail Address
630-377-7000 Phone Number	630-377-7462 Fax Number
09/15/2015 Date	

Detailed Cost Sheet
Contractual Street Sweeping

***NOTE:** Bidder shall transfer the total price of items 1 thru 5 to the Bid Sheet.*

Your 10% Bid Security shall be based on the total of items 1 thru 5. Following award of contract, the Performance & Labor & Material Bonds will also be based on this same total.

Area	Approx. Curb Miles	Price Per Curb Mile	Cycles Per Year	Total
1. Residential and Collector	317.5	$ 80.00	2	$ 50,800.00
2. Woodfield Commercial Area	25	$ 80.00	4	$ 8,000.00
3. Industrial	66	$ 80.00	1	$ 5,280.00
4. Fall Sweeping	317.5	$ 125.00	2	$ 79,375.00
5. Special Request/ Newly Accepted Streets	15	$ 125.00	NA	$
TOTAL - Items 1 thru 5			$ 143,455.00	
Does your bid include payment of Prevailing Wage?	Yes XX			No _____

Appendix G
Information & Data Collection Results

DRSCW ILR40 Activities
March 2019 – February 2020

PART I. COVERAGE UNDER GENRAL 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 biolocal 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: 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 – I mplementing 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 Workgroug 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 WMAt (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:

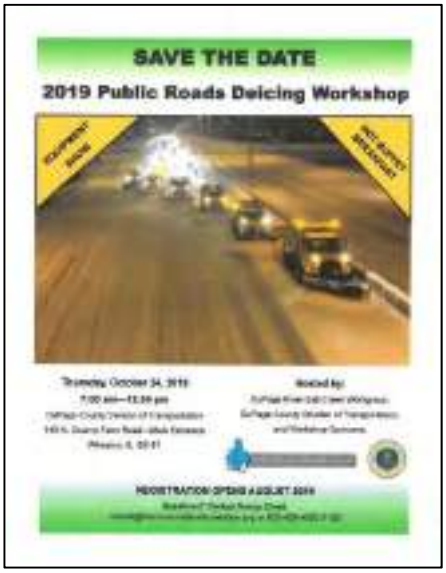
7:00 – 7:30 Registration and Breakfast

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.

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

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

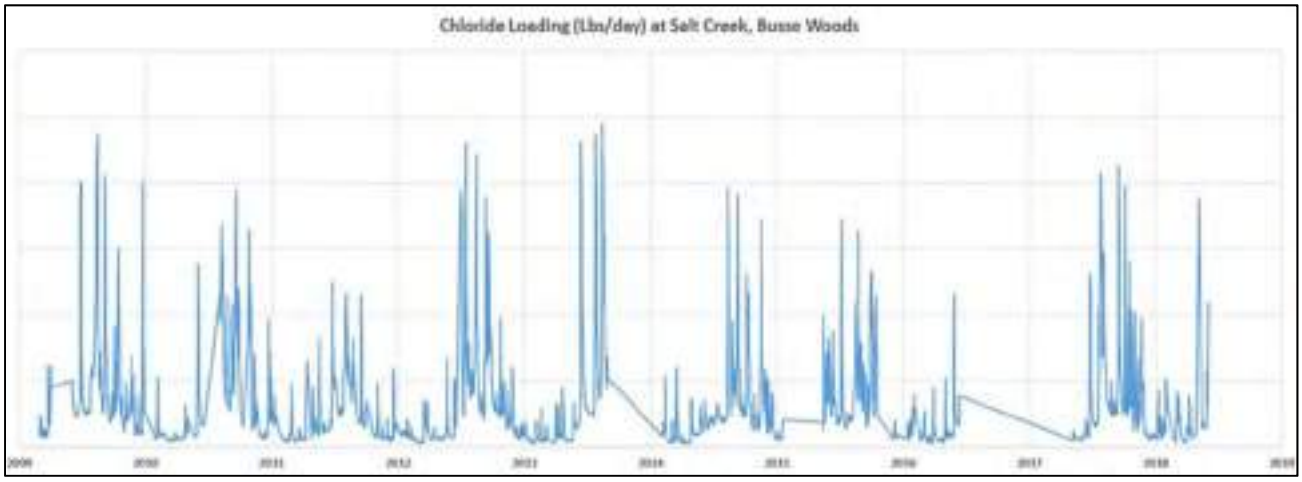
- Product and chemical alternative summaries
- Information dissemination on Equipment and salt application advancements
- Information dissemination on salt usage, storage and deicing best management practices
- Example salt use policies and management plans

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).

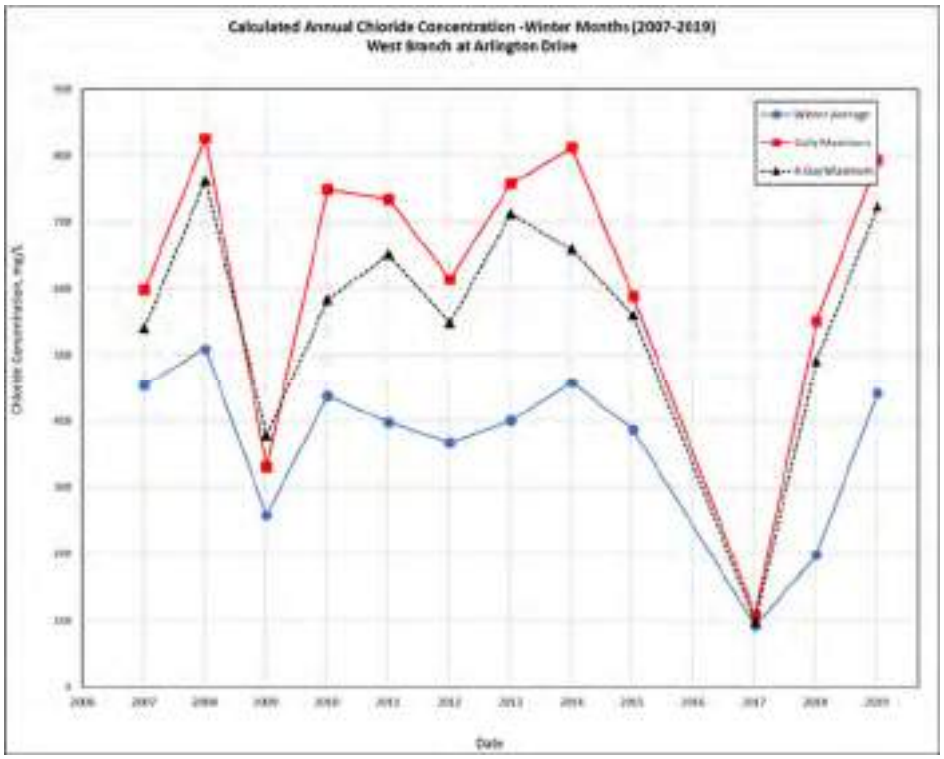
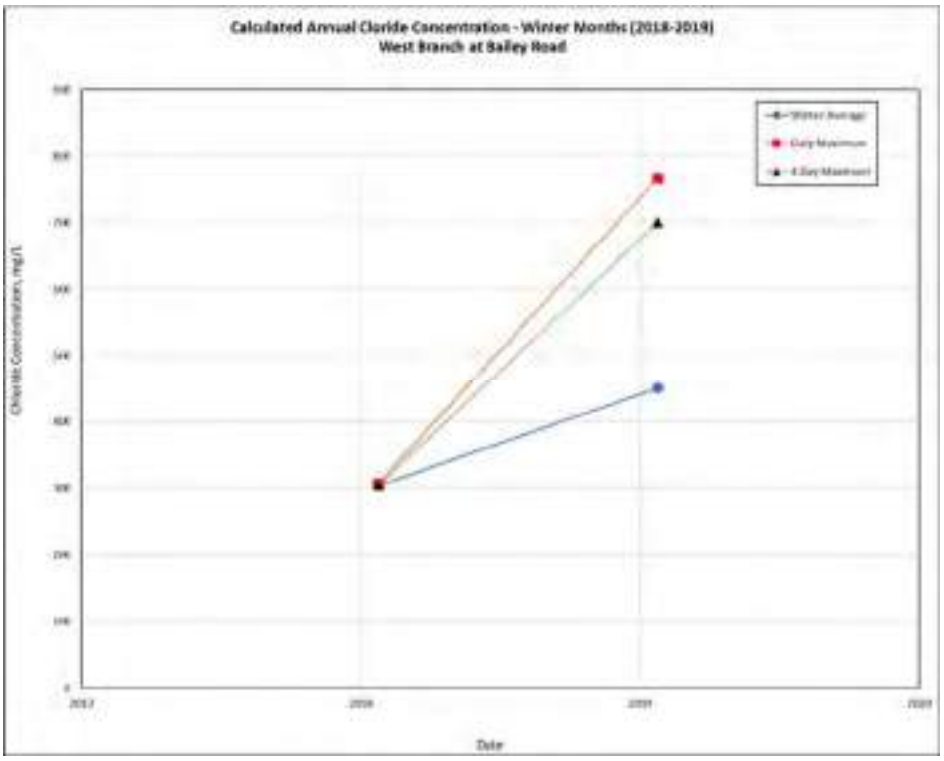


Figure 3. Calculated annual chloride concentrations - winter months (2018-2019) for West Branch DuPage River at Baily Road (WBNPV) (top panel) and (2006-2019) East Branch DuPage River at Army Trail Road (EBAT) (bottom panel).



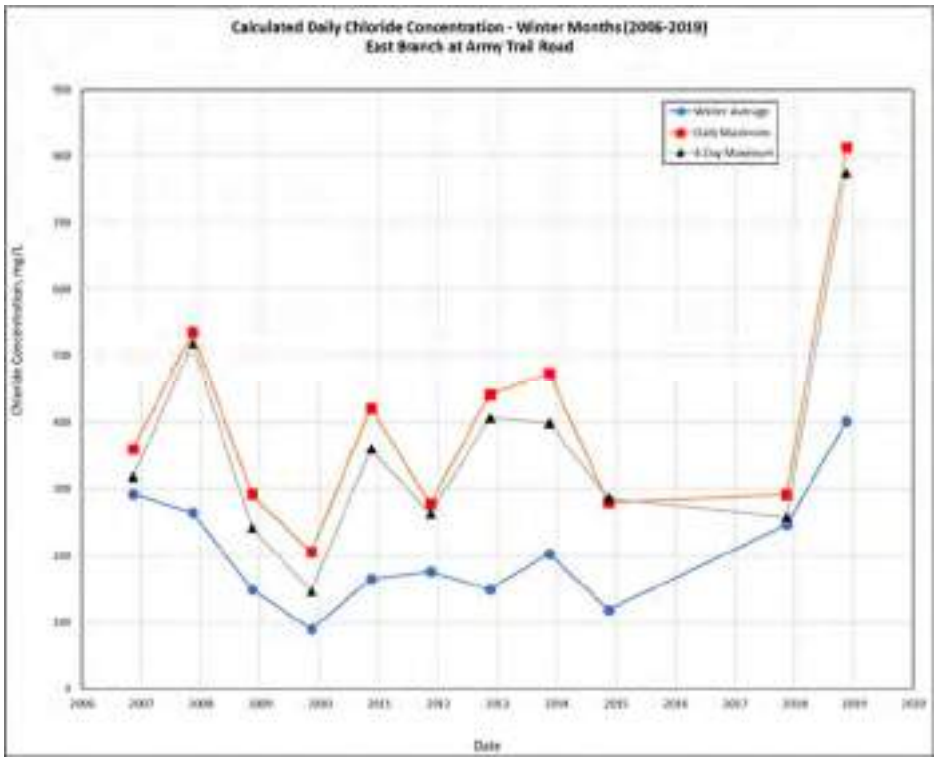
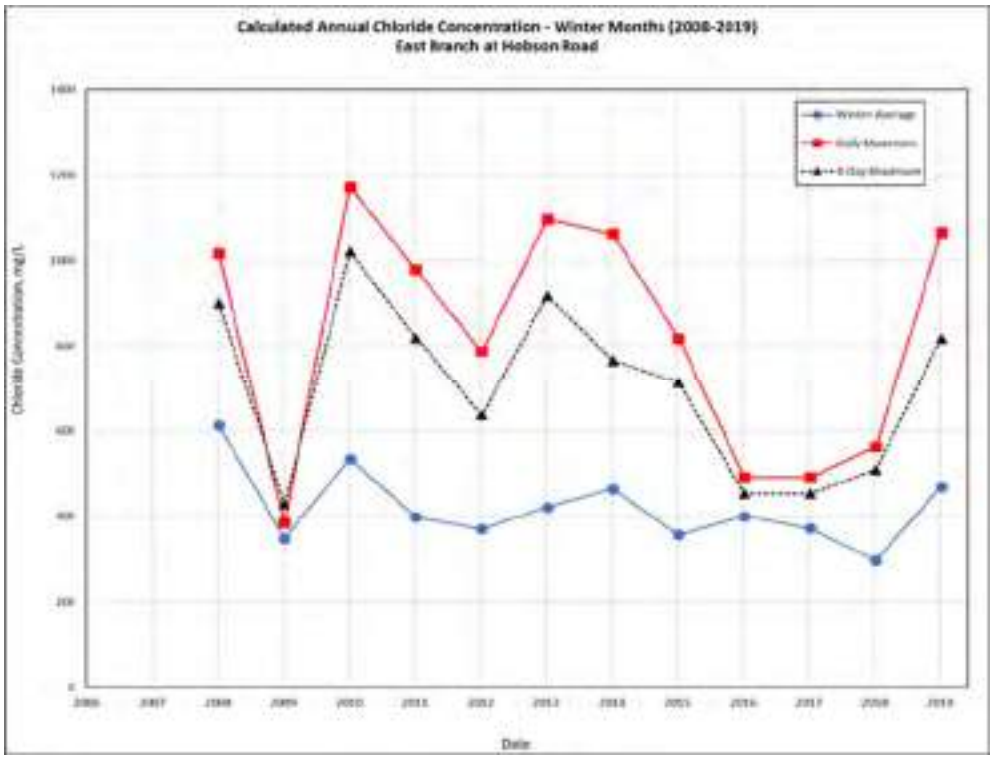


Figure 4. Calculated annual chloride concentrations - winter months (2008-2019) for East Branch at Hobson Road (EBHR) (top panel) and (2008-2019) Salt Creek at Busse Woods (SCBW) (bottom panel).



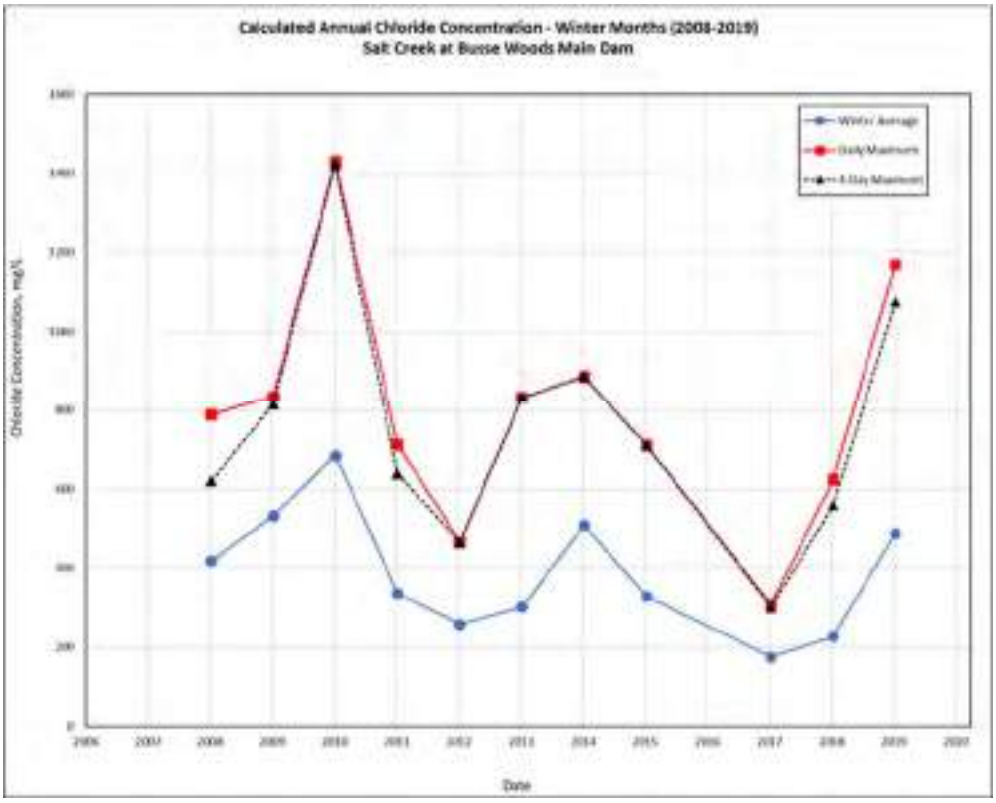
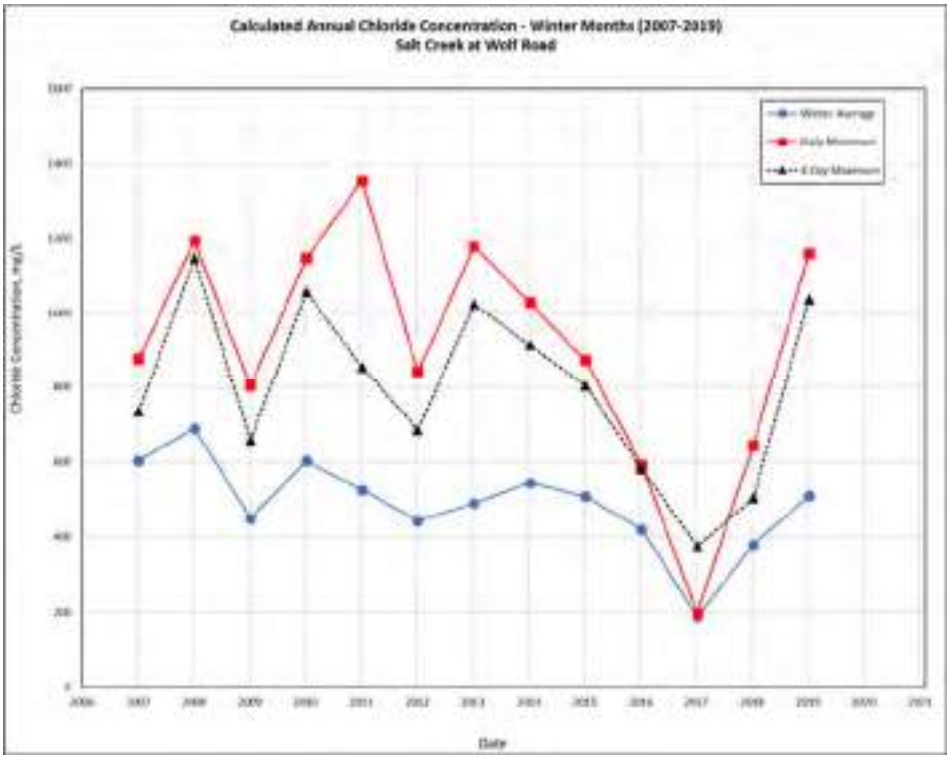


Figure 5. Calculated annual chloride concentrations - winter months (2007-2019) Salt Creek at Wolf Road (SCWR).



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 collects 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 exude 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 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 or 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 waterbodies 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 a in the poor and fair ranges (Figure 6).

MACROINVERTEBRATES

Methodology

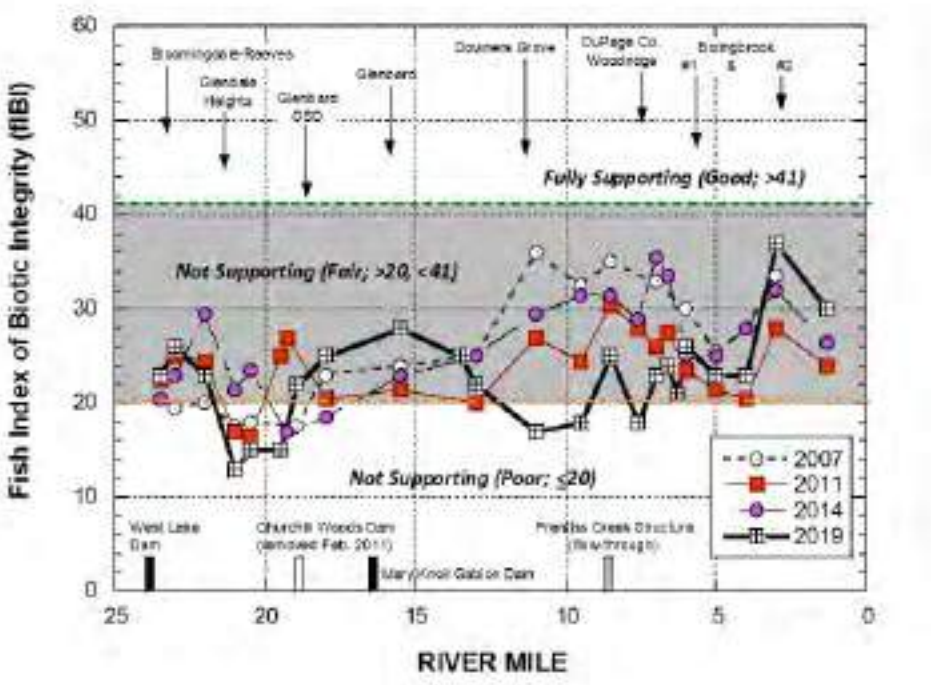
The macroinvertebrate assemblage is sampled using the Illinois EPA (IEPA) multi-habitat method (IEPA 2005). Laboratory procedures followed the IEPA (2005) methodology for processing multi-habitat samples by producing a 300-organism subsample with a scan and pre-pick of large and/or rare taxa from a gridded 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 mIBI 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.

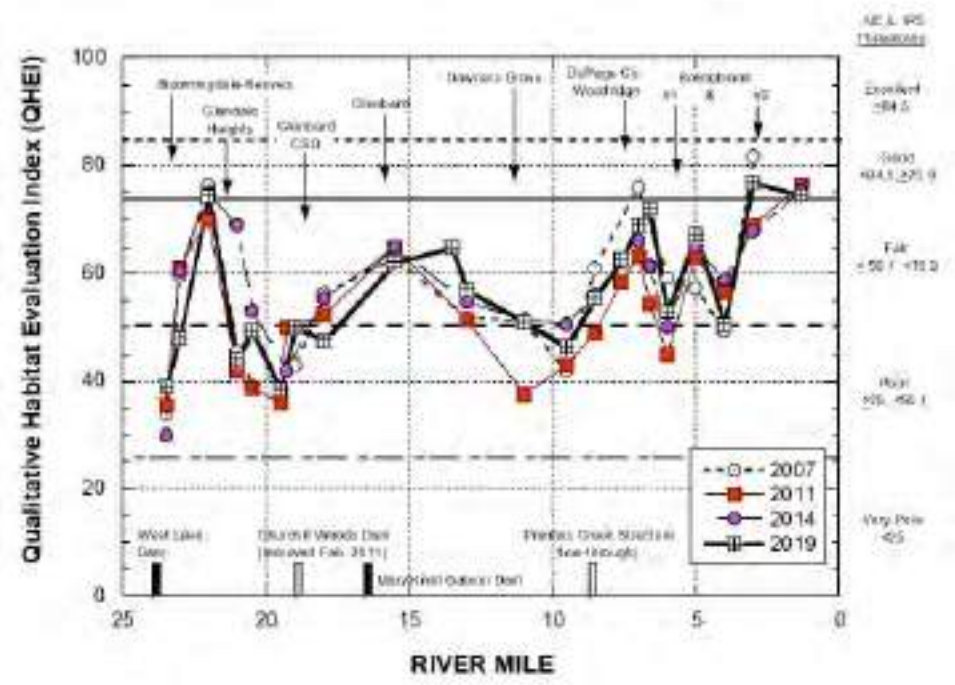
Results

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

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)

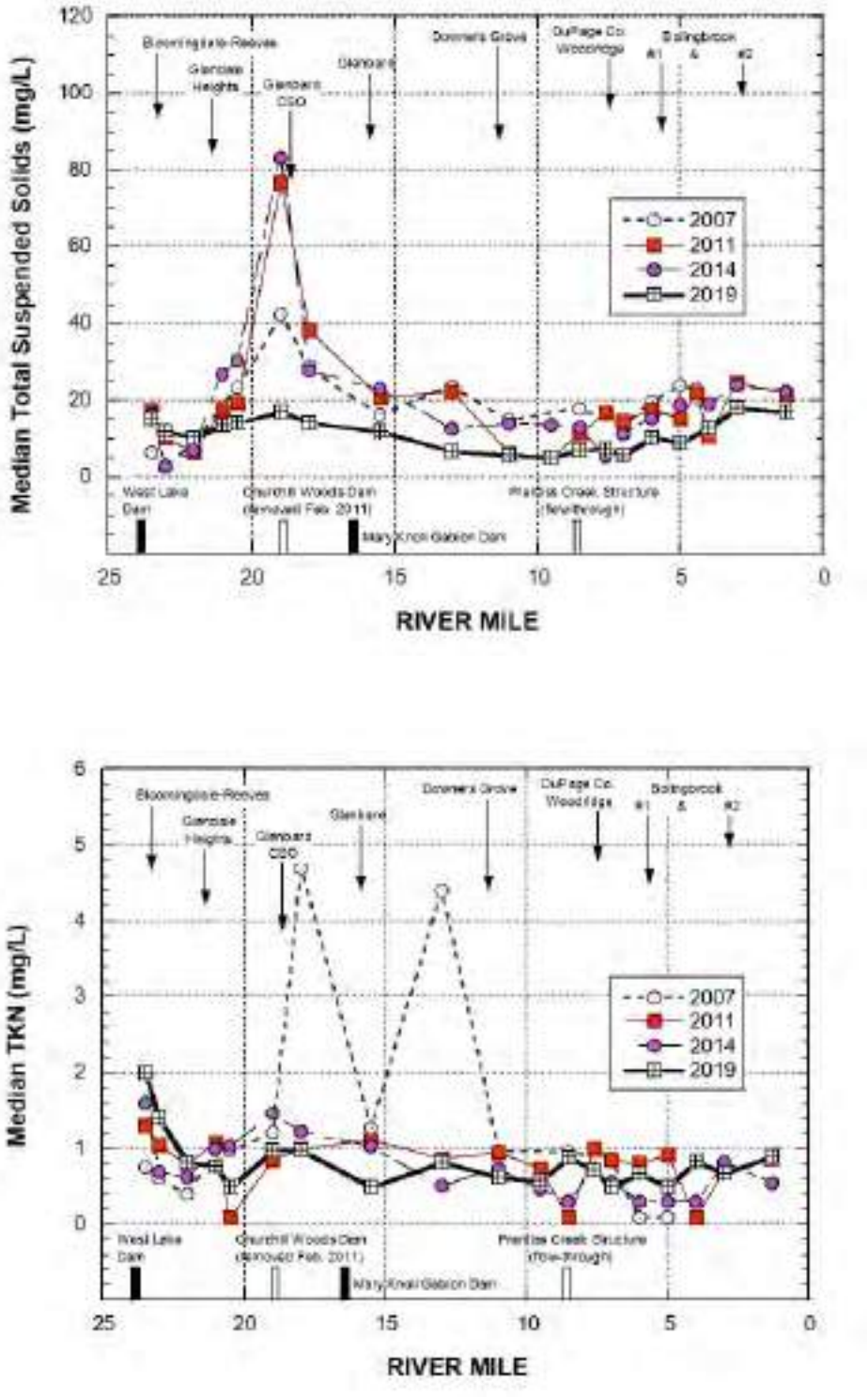
In 2019, samples for fecal coliform samples were collected at five (5) sites on the mainstem East Branch DuPage River and one (1) site on St. Joseph's Creek. Each site was sampled 5 times within a 30-day period beginning on May 15, 2020. The results are summarized below in Table 7.

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

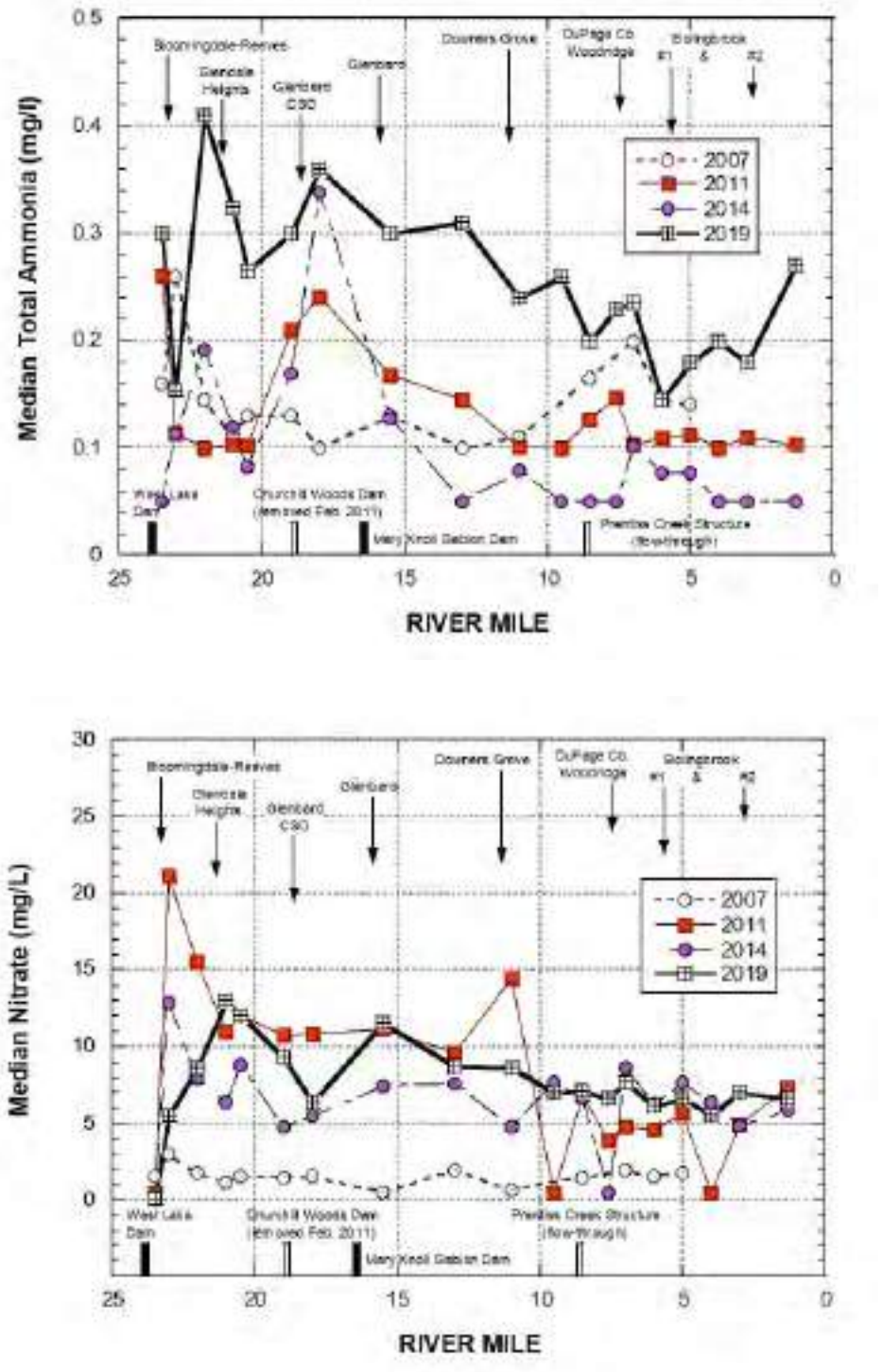
East Branch mainstem flows are effluent dominated during the late summer-early fall months. As such, chemical water quality is highly influenced by the concentration and composition of chemical constituents in WWTP effluents (Figures 8-10).

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.



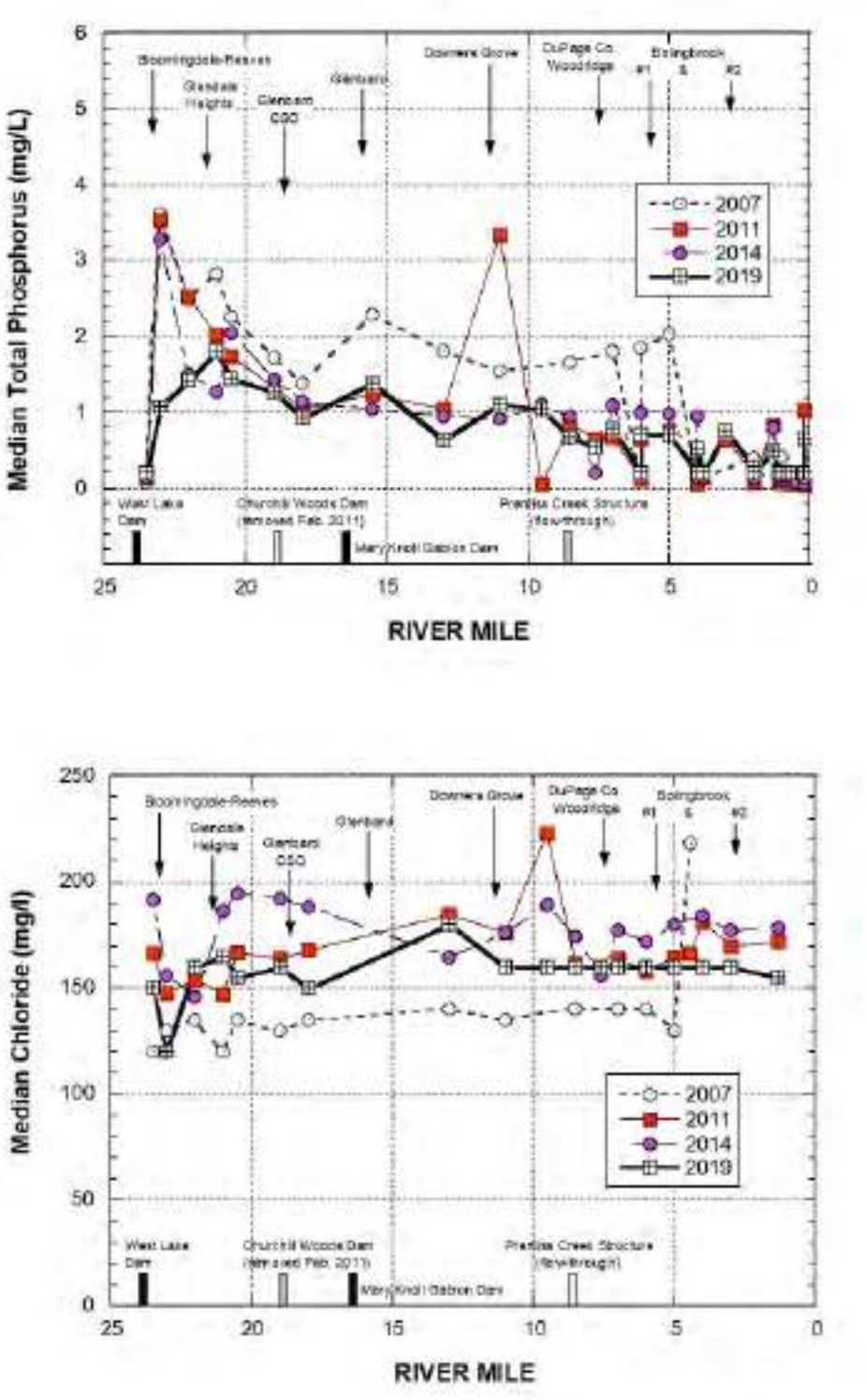
Bars along the x-axis depict mainstem dams or weirs (black bars are dams that impede fish passage).

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.

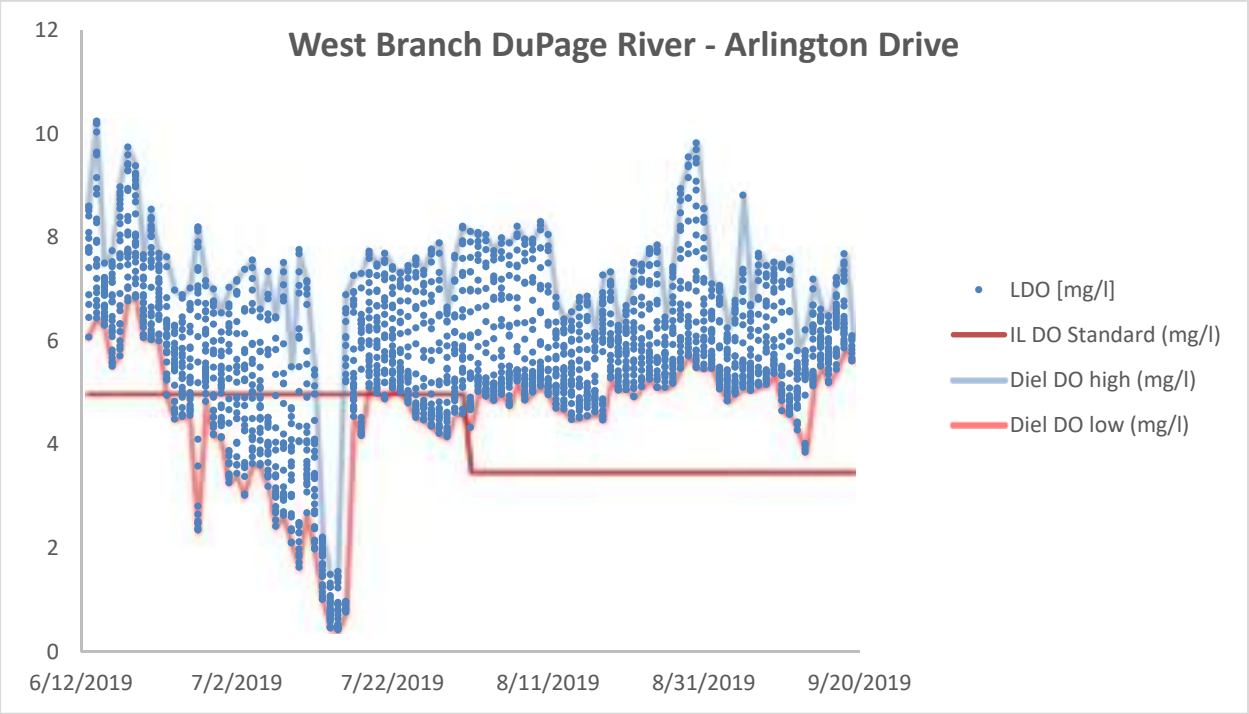
Table 8. Continuous DO monitoring locations in the DRSCW watersheds.

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).



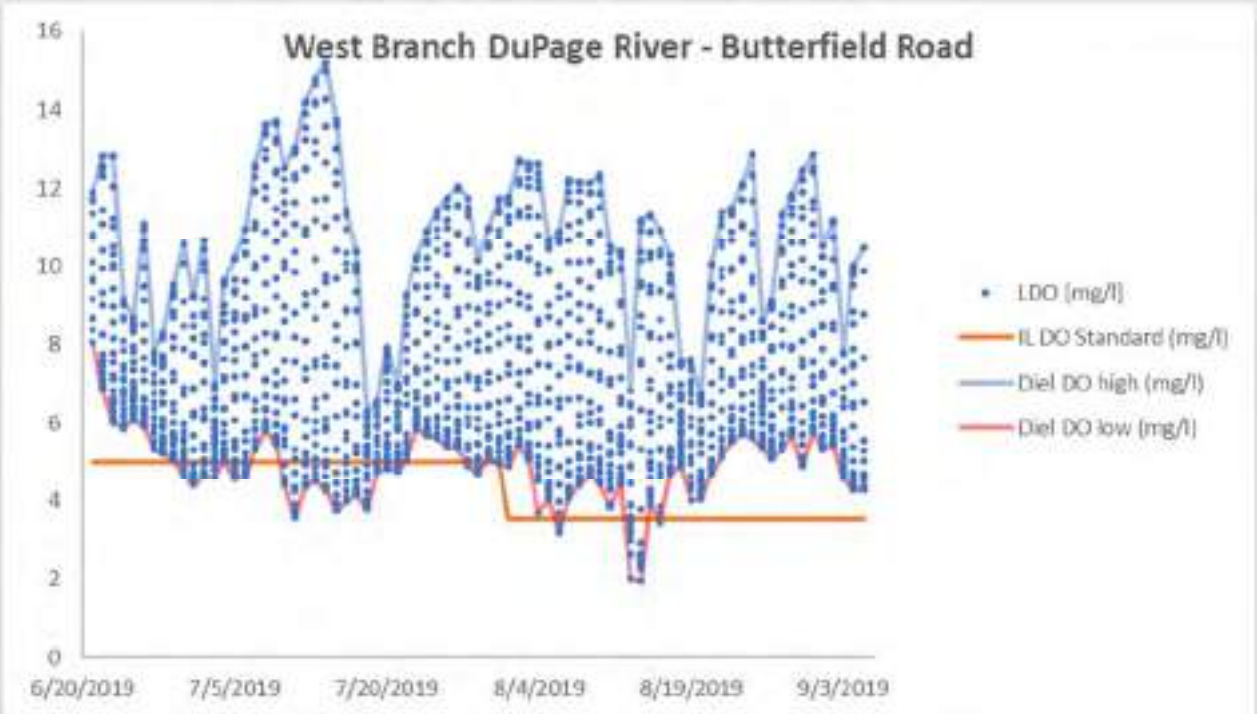
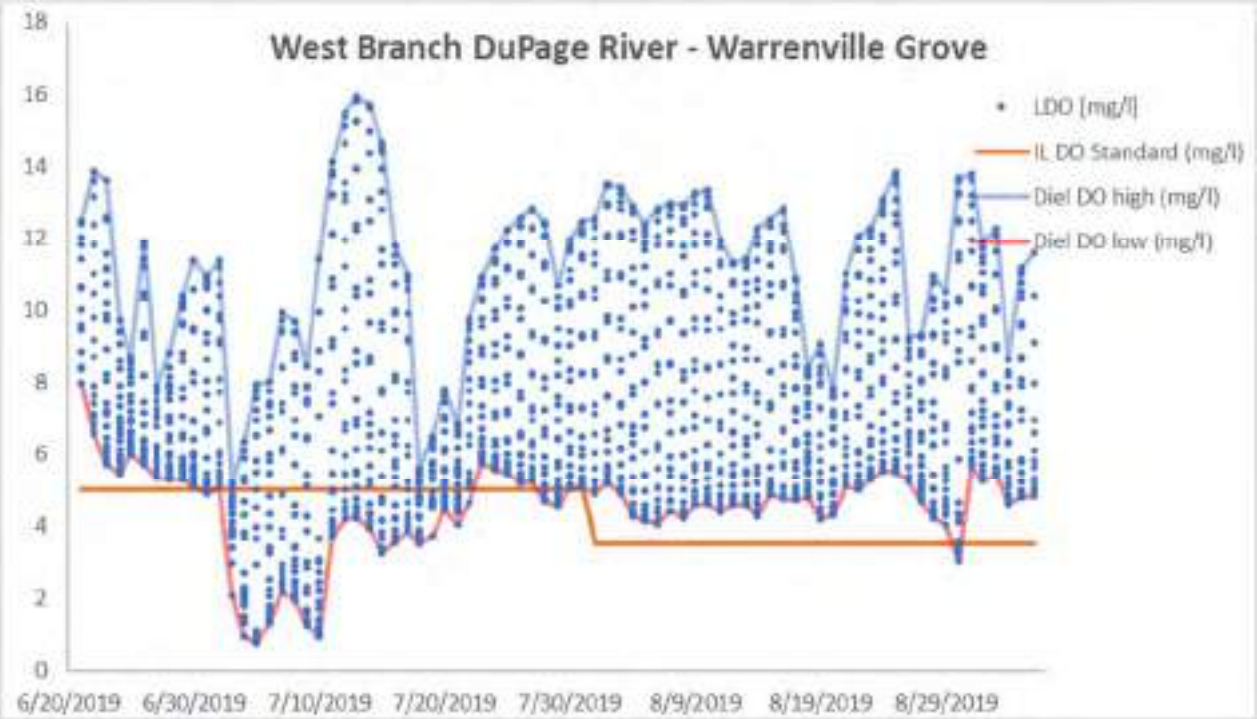


Figure 12. Dissolved Oxygen plots for West Branch DuPage River sites at Warrenville Grove (WBWD) (top panel) and McDowell Grove Forest Preserve (WBMG) (lower panel).



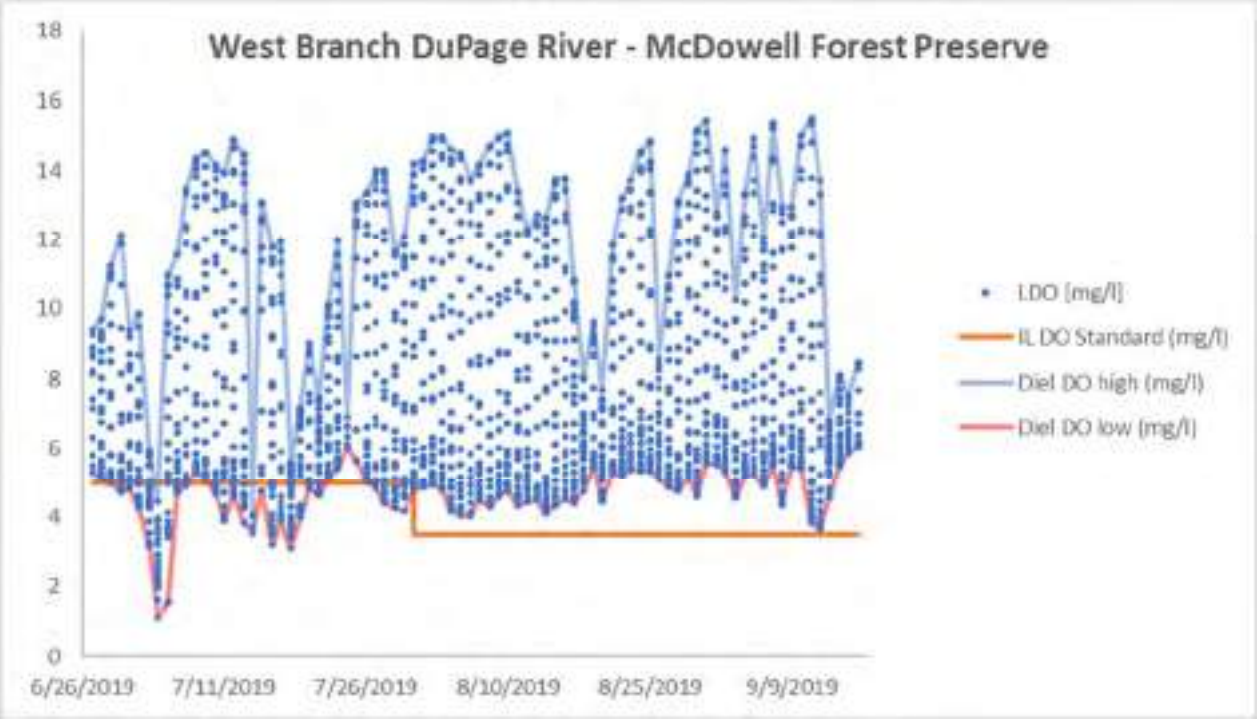
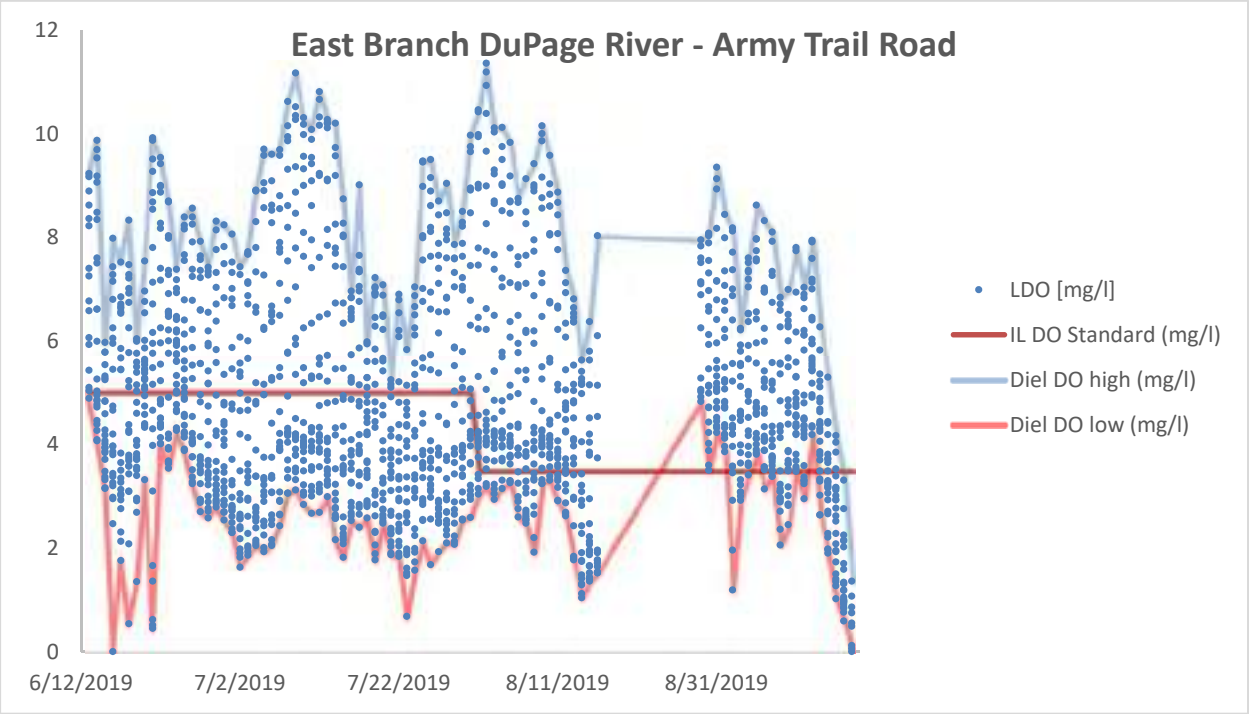


Figure 13. Dissolved Oxygen plots for East Branch DuPage River sites at Army Trail Road (EBAR) (top panel) and Crescent Boulevard (EBCB) (lower panel).



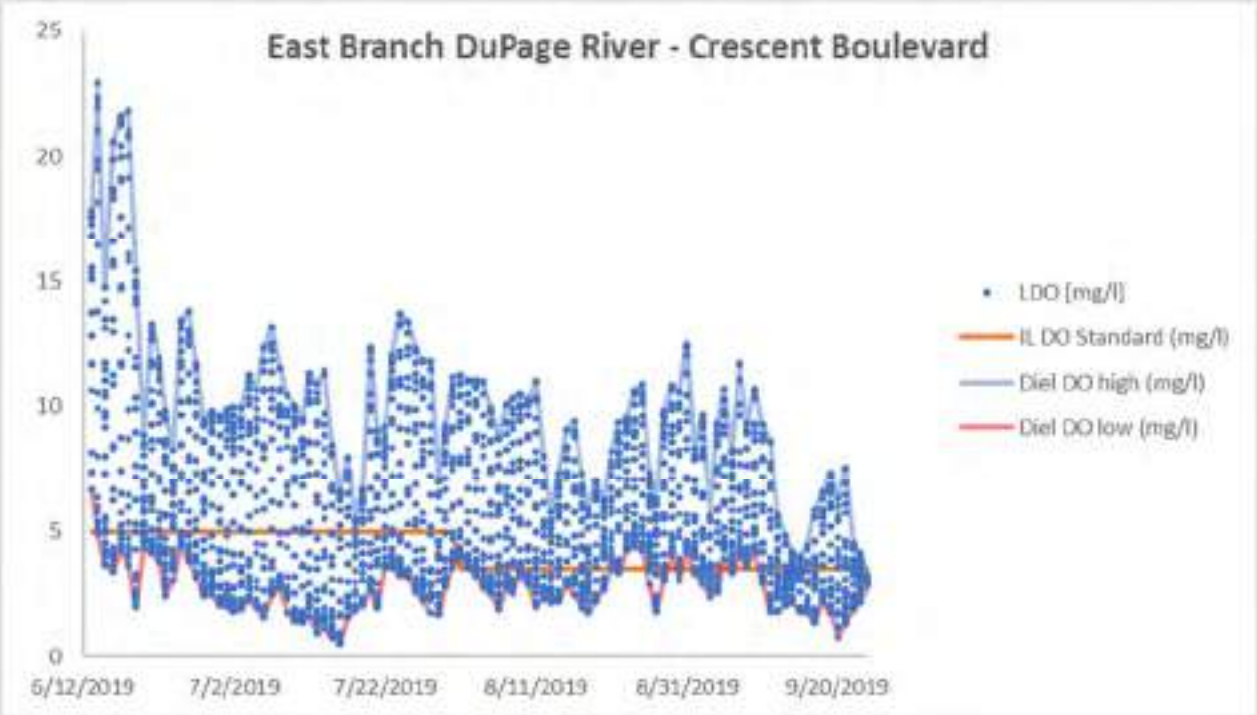
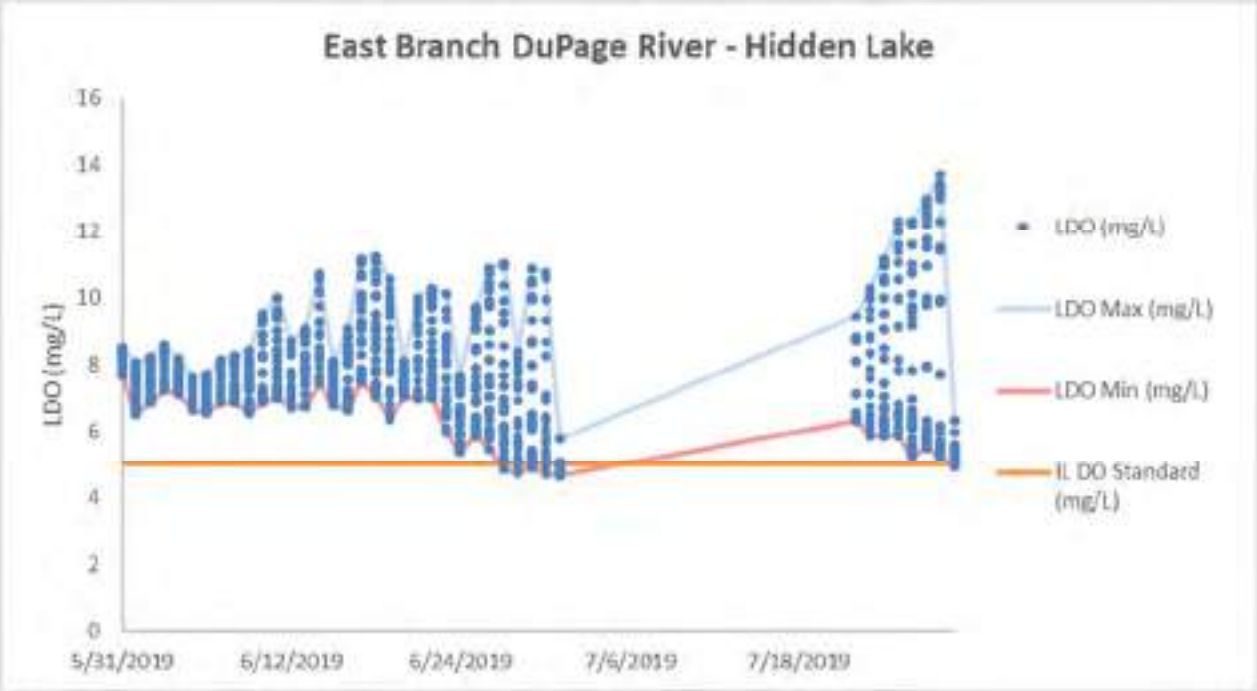


Figure 14. Dissolved Oxygen plots for East Branch DuPage River sites at Hidden Lake (EBHL) (top panel) and Hobson Road (EBHR) (lower panel).



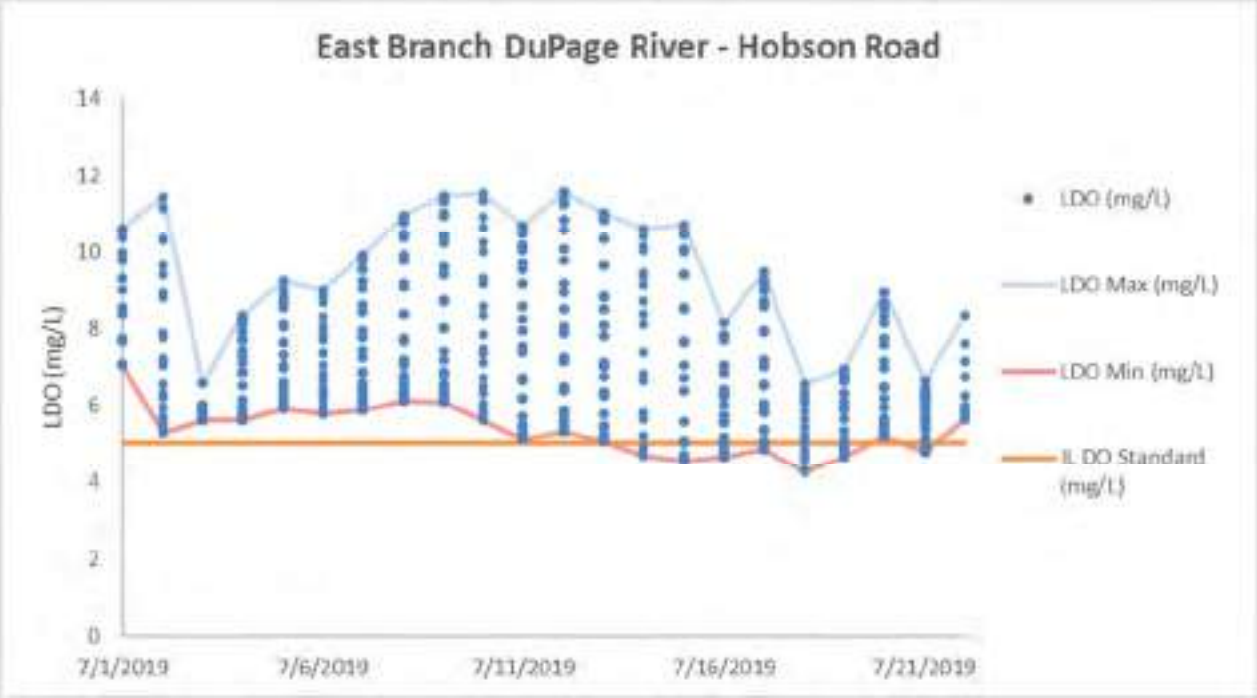
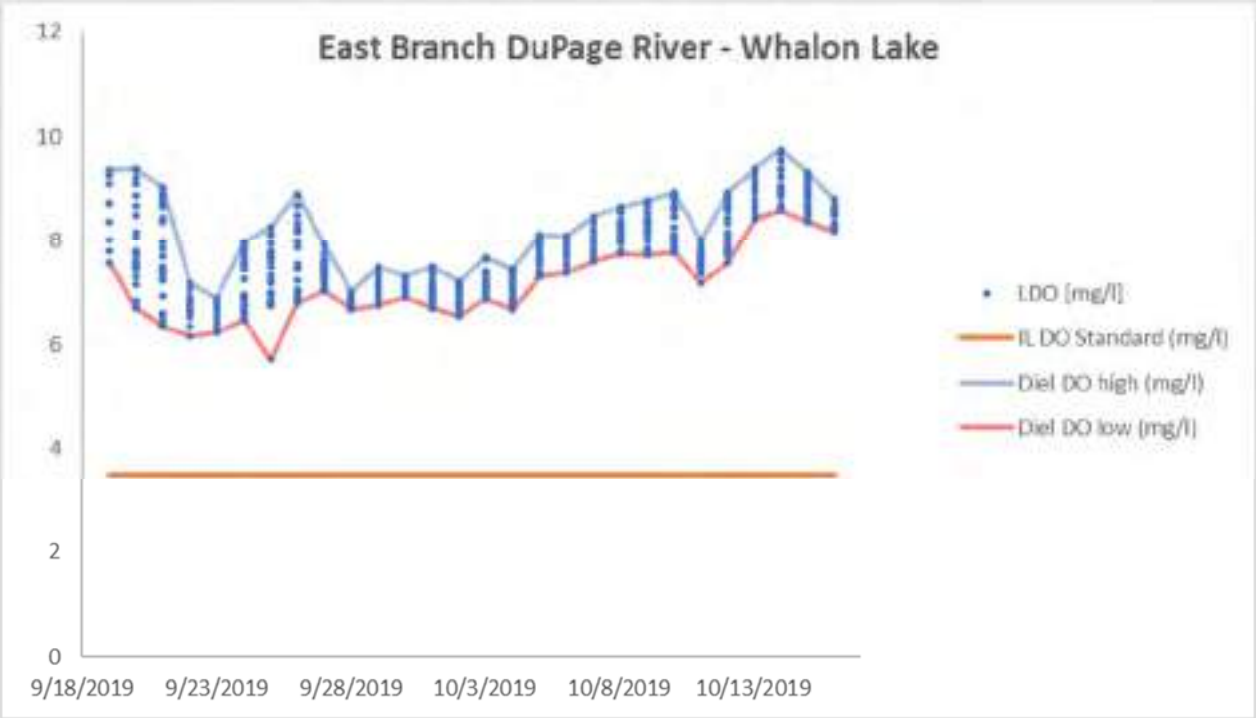


Figure 15. Dissolved Oxygen plot for East Branch site at Whalon Lake (EBWL) (top panel) and Salt Creek site at Busse Woods (SCBW) (bottom panel).



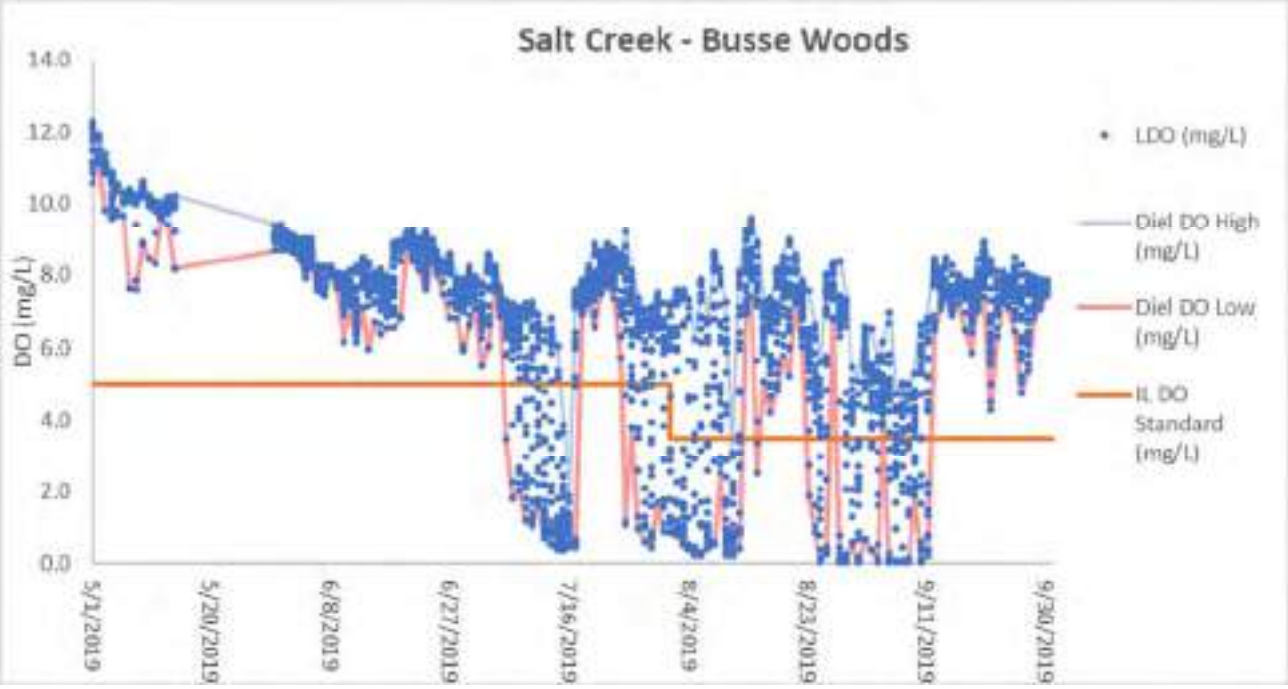
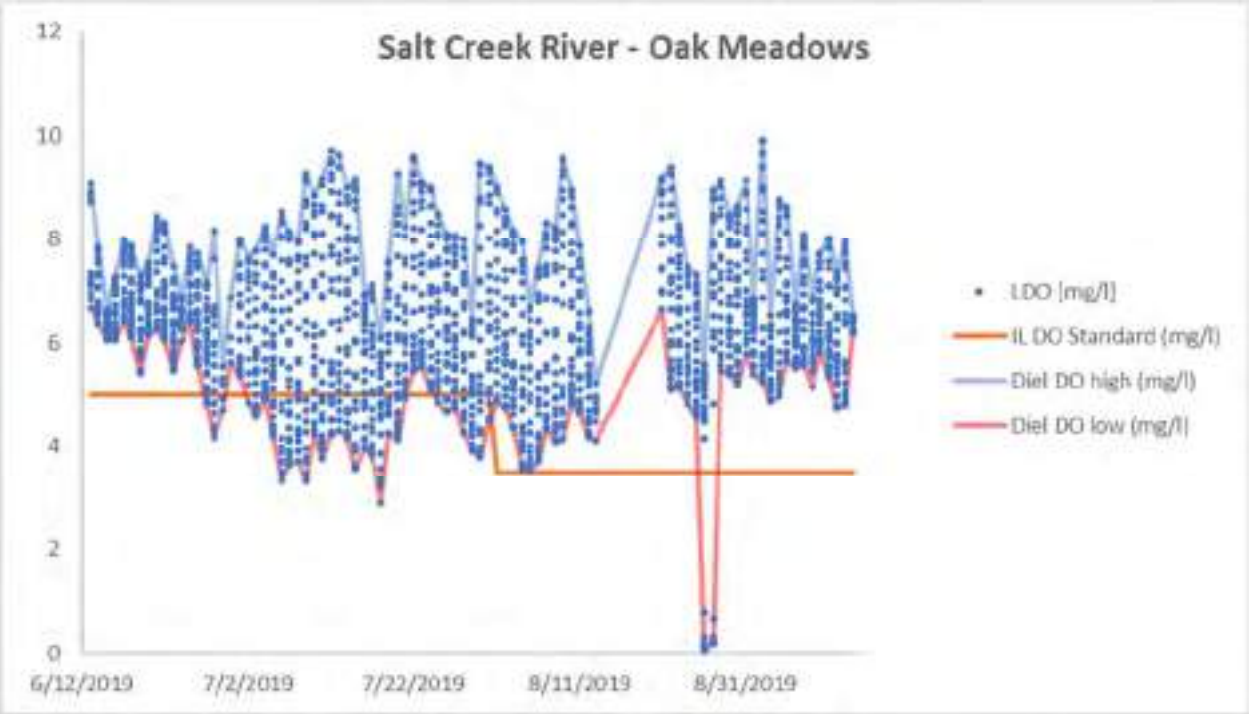


Figure 16. Dissolved Oxygen plots for Salt Creek sites at Oak Meadows (SCOM) (top panel) and Butterflied Road (SCBR) (bottom panel).



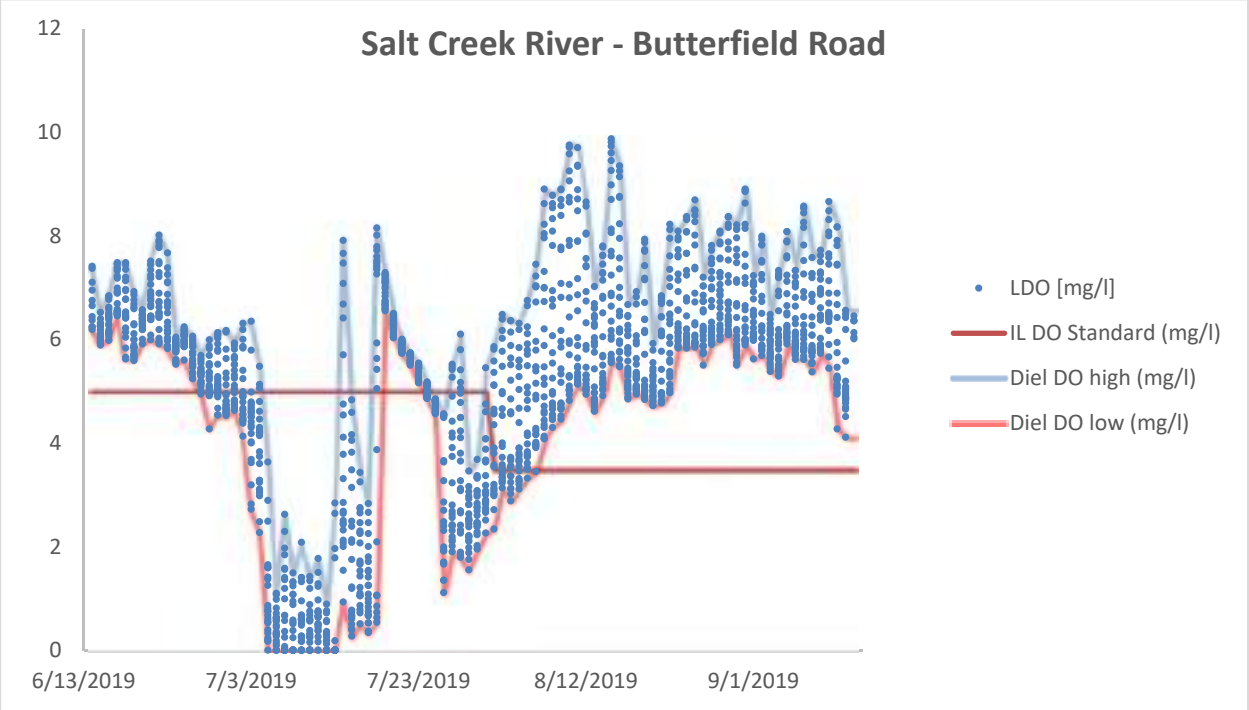
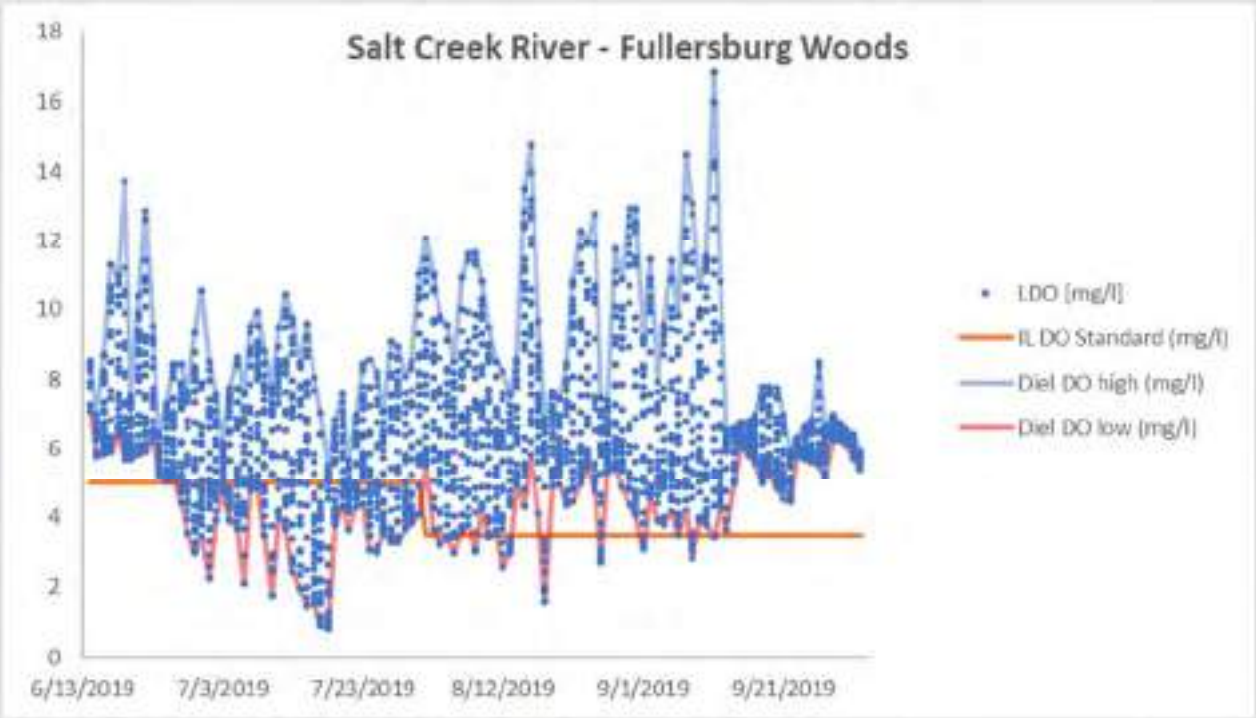
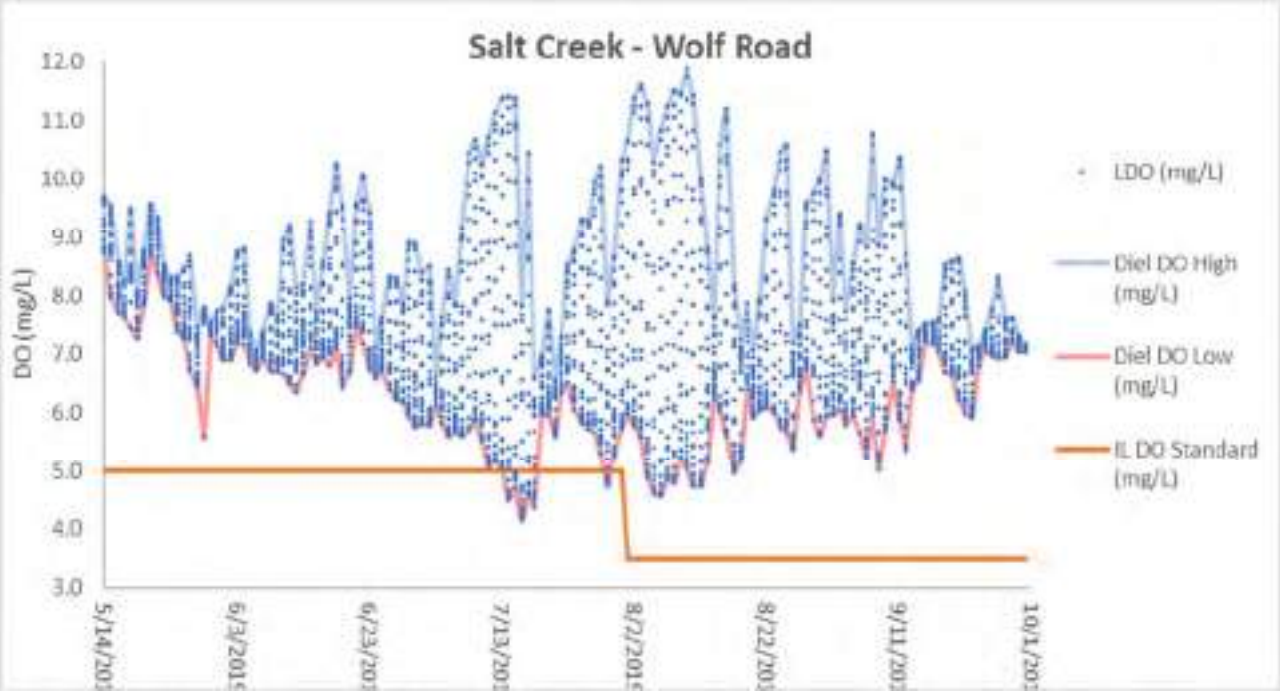


Figure 17. Dissolved Oxygen plots for Salt Creek sites at Fullersburg Woods (SBFW) (top panel) and Wolf Road (SCWR) (bottom panel).





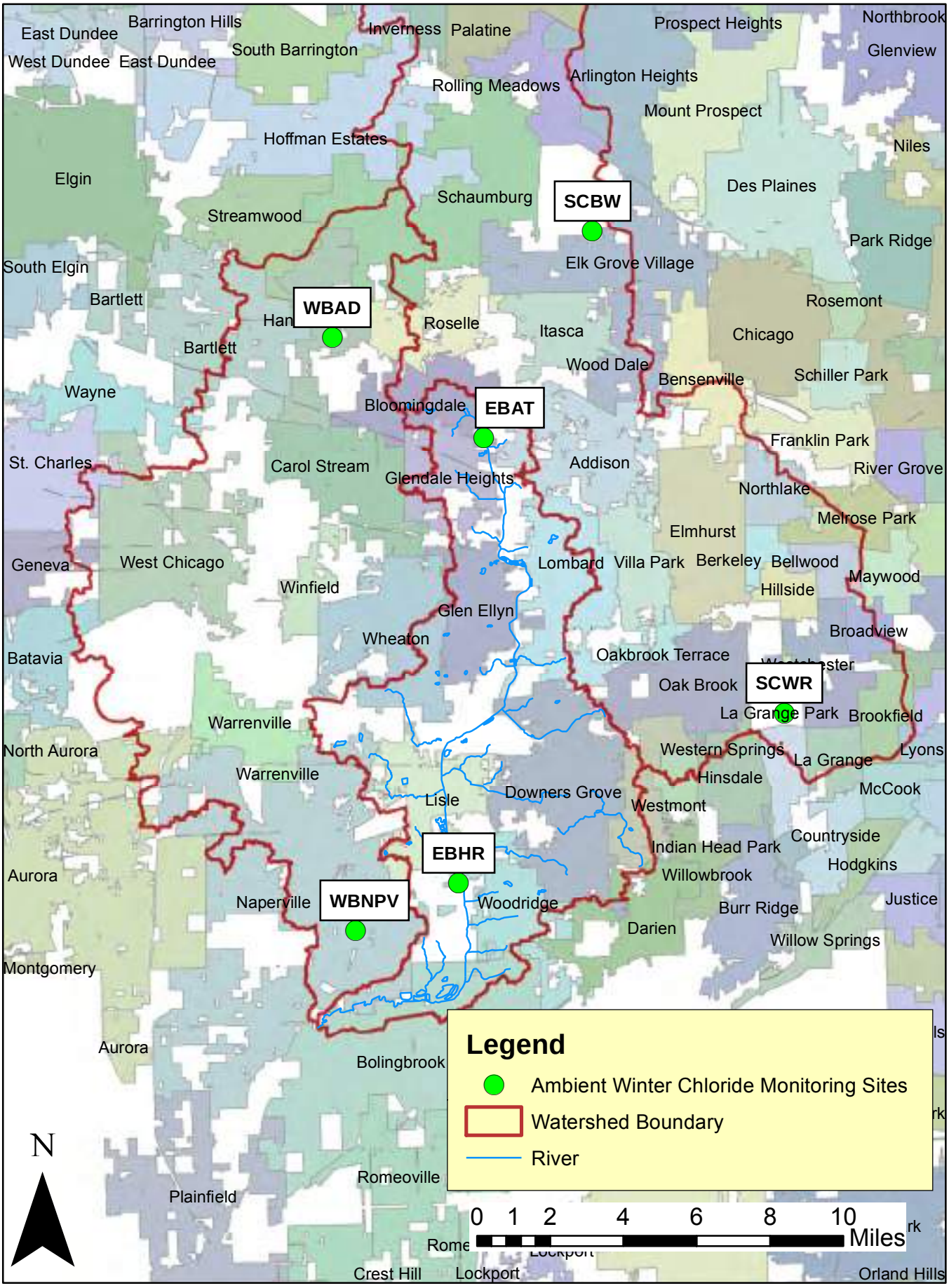
B. Recordkeeping

All monitoring data including by not limited to laboratory results, chain of custodies (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, 10S404 Knock Knolls Road, Naperville, Illinois 60656 and are accessible to the IEPA for review.

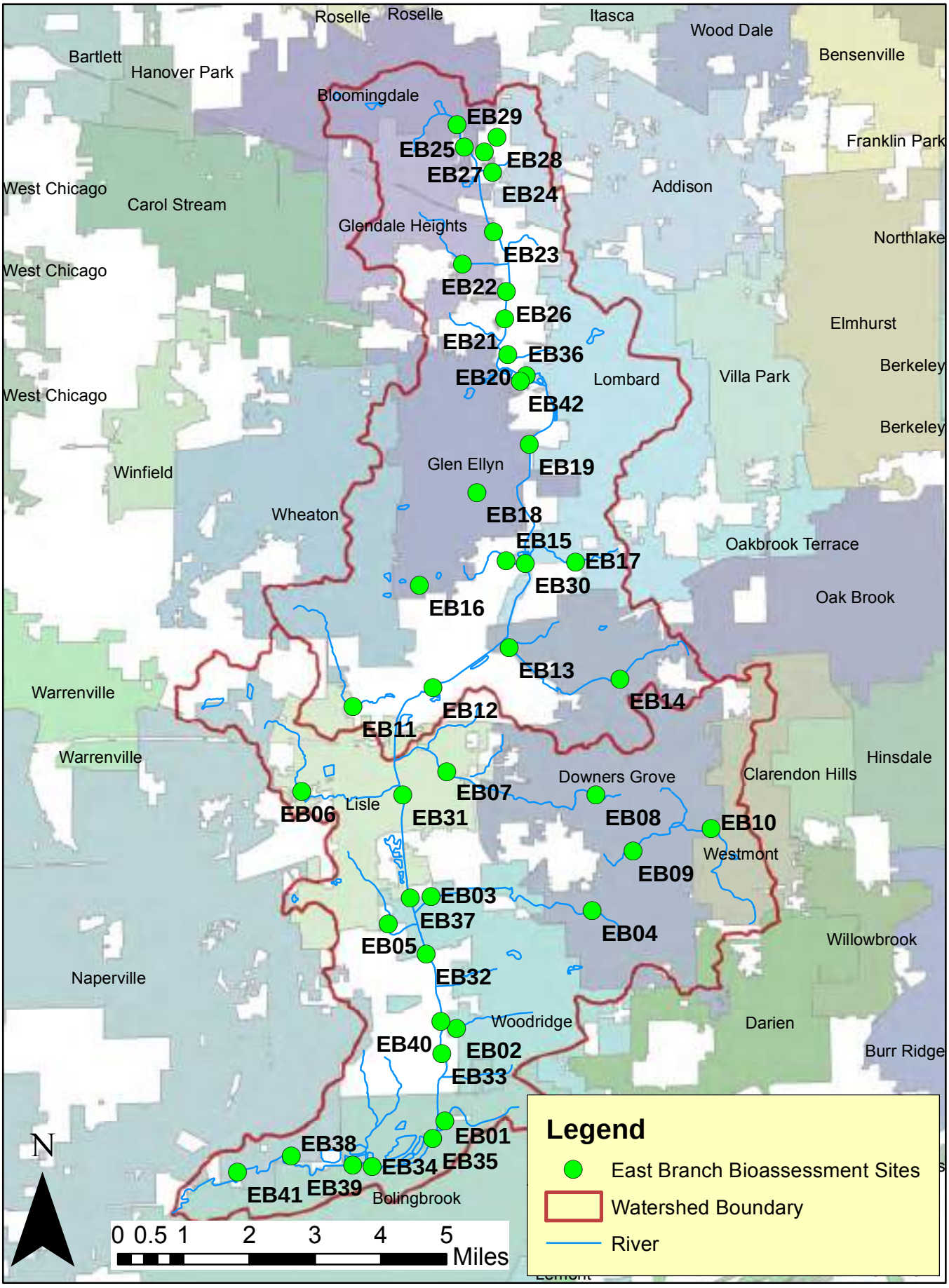
C. Reporting

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.

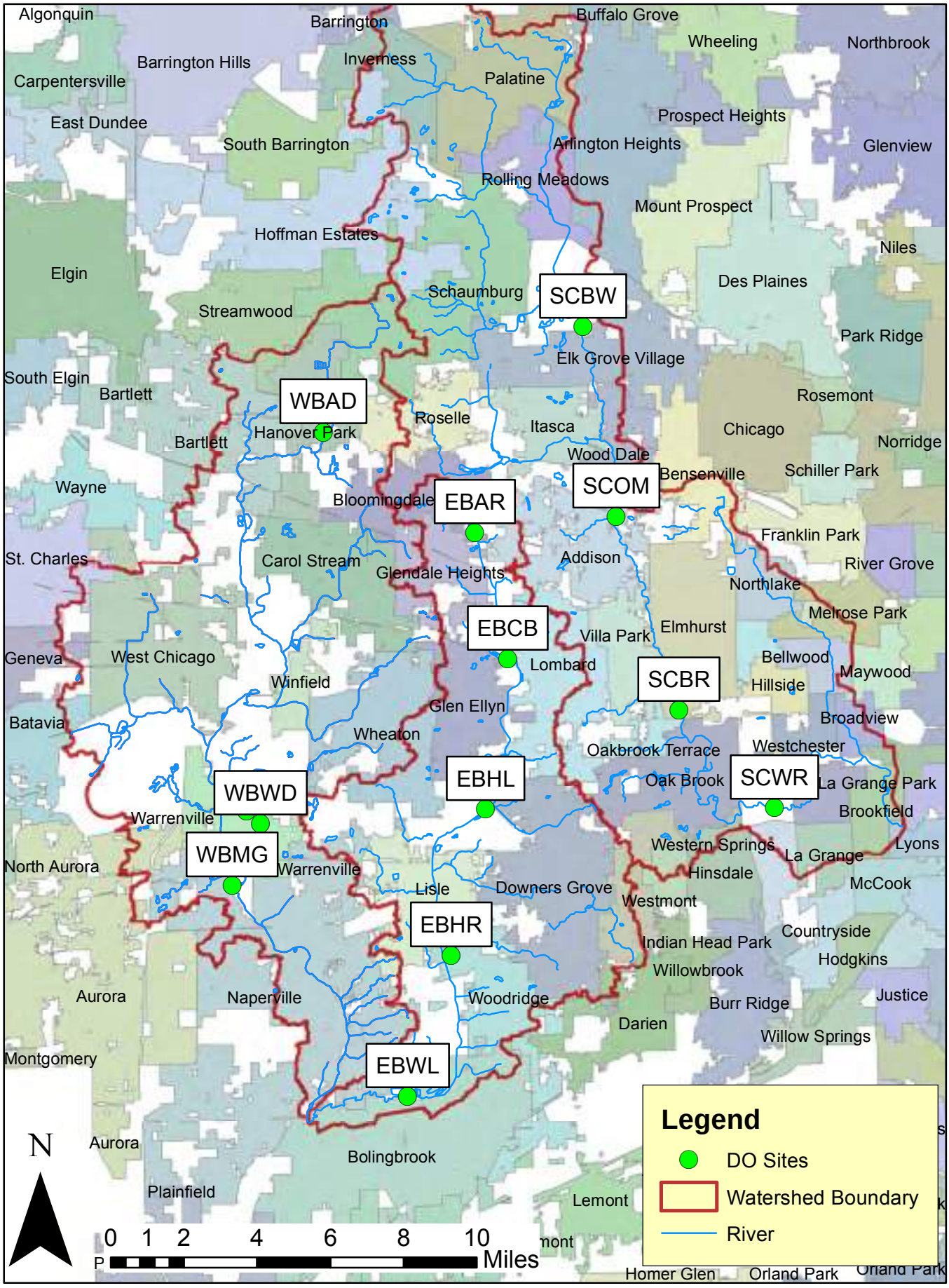
Maps



Map 1. 2019 Ambient winter chloride monitoring sites.



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



Map 3. 2019 Continous 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	Daliege
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