May 31, 2024

To: Illinois Environmental Protection Agency
Water Pollution Control
Compliance Assurance Section #19
P.O. Box 19276
Springfield, IL 62794-9276

RE: Village of Channahon (REL # 16-R0770.CHN)
NPDES Permit MS4 Annual Report
Reporting Cycle 2023-2024
Permit No. ILR40-0623

Dear Sir/Madam:

On behalf of the Village of Channahon, please find enclosed the Annual Report regarding the Village's NPDES Permit for Stormwater Discharges from Municipal Separate Storm Sewer Systems (MS4).

This report is being emailed to epa.ms4annualinsp@illinois.gov. If you have questions, please email me at susan.quasney@reltd.com or call me at (630) 803-0158.

Very truly yours,

Susan Quasney, CFM
Project Engineer

cc: Edward Dolezal, Director of Public Works – Village of Channahon
Dana West, Robinson Engineering, Ltd.

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, 2023 To March, 2024

Permit No. ILR40 0623

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

Name: Village of Channahon Mailing Address 1: 24555 S. Navajo Drive

Mailing Address 2: County: Will

City: Channahon State: IL Zip: 60410 Telephone: 815-467-6644

Contact Person: Ed Dolezal Email Address: edolezal@channahon.org
(Person responsible for Annual Report)

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

Village of Channahon Will County

THE FOLLOWING ITEMS MUST BE ADDRESSED.

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

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

Edward S. Dolezal
Owner Signature:

5/29/24
Date:

Ed Dolezal
Printed Name:

Director of Public Works
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

2024 BMPs MEASURABLE GOALS IMPLEMENTED & PROGRESS

A. Public Education and Outreach

	BMP	Measurable Goals	Activities This Reporting Year	Planned Activities Next Year
1	Distribute paper material	Stormwater related materials available for pick up at the front counter of Village Hall.	Individual various flyers picked up at front counter.	Continue to provide materials at counter.
1	Distribute paper material	Stormwater related materials provided to new residents in Welcome Packet.	Welcome Packets handed out.	Continue to provide materials in welcome packets.
6	Other Public Education	Stormwater related information provided on Village cable channel, social media (Facebook page) and Village website.	Provided information on Village cable channel, Facebook page and website.	Continue to provide content and links.

B. Public Participation/Involvement

	BMP	Measurable Goals	Activities This Reporting Year	Planned Activities Next Year
4	Public Hearing	Hold a public meeting annually to discuss MS4 program	No public meeting was held during reporting year One will be held within the next reporting year	Hold public meeting.
6	Program Involvement	Spring yard waste pick-up notification provided on Village cable channel, Facebook page and website.	Provided information on Village cable channel, Facebook page and website.	Continue program.
6	Program Involvement	Fall leaf collection provided October 1st through November 30th; notification provided on Village cable channel, Facebook page and website.	Provided information on Village cable channel, Facebook page and website.	Continue program.
6	Program Involvement	Christmas tree pickup provided with three regular garbage pickup days; notification provided on Village cable channel, Facebook page and website.	Provided information on Village cable channel, Facebook page and website.	Continue program.
6	Program Involvement	Spring Tree & Shrub Sale, Village organizes sale of trees to residents at lower prices; notification provided on Village cable channel, Facebook page and website.	Provided information on Village cable channel, Facebook page and website.	Continue program.
6	Program Involvement	Village support of river clean-up days organized by Park District and area conservation foundations; promote other clean-up initiatives.	Provided support to available public programs.	Continue support of programs.

C. Illicit Discharge Detection and Elimination

	BMP	Measurable Goals	Activities This Reporting Year	Planned Activities Next Year
1	Storm Sewer Map Preparation	A comprehensive storm sewer map has been implemented using ArcGIS technology; this includes floodplain and wetland maps. Map is kept up to date.	Map was updated.	Continue updating database as improvements are accepted.
2	Regulatory Program	Village prohibits illicit discharges through ordinances and implements enforcement procedures as needed	Ordinances enforced.	Continue inspection and management.
4	Illicit Discharge Tracing Procedures	Trace sources of illicit discharges if discovered during annual outfall inspections.	26 inspections performed. No illicit discharges discovered.	Perform tracing as required
5	Illicit Discharge Removal Procedures	Remove sources of illicit discharges if discovered during annual outfall inspections	No illicit discharges discovered	Perform removal procedures as required
7	Visual Dry Weather Screening	Annually inspect end-of-line storm sewer outfalls.	Performed 27 outfall inspections	Perform outfall inspections. Inspection paperwork available upon request
10	Other Illicit Discharge Controls	Provide online submittal portal for citizen reports of illicit discharges and other stormwater related items.	Maintained online inquiry/complaint form.	Address online inquiries, as required

D. Construction Site Runoff Control

	BMP	Measurable Goals	Activities This Reporting Year	Planned Activities Next Year
1	Regulatory Control Program	Enforce Village and County Ordinances requiring erosion and sediment controls as well as compliance with ILR10 requirements.	Ordinances enforced.	Continue to enforce ordinances
2	Erosion and Sediment Control BMPs	Verify that erosion and sediment control BMPs are specified on plans and installed and maintained during construction	Performed site plan review.	Continue implementing SESC measures
4	Site Plan Review Procedures	Stringent review of proposed erosion and sediment control measures for new developments.	Preconstruction meetings held as decided on a case-by-case basis.	Continue stringent reviews.
5	Public Information Handling Procedures	Provide accessibility to public for stormwater/drainage related comments and concerns, i.e. drainage problems, storm sewer damage, etc.	Complete stormwater related work orders written.	Continue as needed.

	BMP	Measurable Goals	Activities This Reporting Year	Planned Activities Next Year
5	Public Information Handling Procedures	The Village now logs resident calls as "Citizens Inquiries."	Recorded citizens inquiries and managed via visits and emails.	Continue managing inquiries
5	Public Information Handling Procedures	Village Staff provides accessibility to public for floodplain related questions and concerns.	Information requests were processed this reporting period.	Continue providing assistance and information to residents.

E. Post Construction Runoff Control

	BMP	Measurable Goals	Activities This Reporting Year	Planned Activities Next Year
3	Long Term O&M Procedures	Require new developments to allow for inspection and maintenance of facilities and public areas through easements, agreements, etc.	Requirements enforced	Continue enforcing O&M requirements
4	Pre-Construction Review of BMP Designs	Verify that erosion and sediment control BMPs are specified on plans and installed and maintained during construction	Performed site plan review.	Continue stringent reviews.
6	Post-Construction Inspections	Stringent review of post construction as-built data; includes all stormwater related improvements.	Performed as-built review.	Continue performing inspections.
6	Post-Construction Inspections	Stringent inspection of constructed improvements and requirement to correct deficiencies; includes all stormwater related improvements.	Performed inspection and punchlist work.	Continue inspections and oversight.

F. Pollution Prevention/Good Housekeeping

	BMP	Measurable Goals	Activities This Reporting Year	Planned Activities Next Year
1	Employee Training Program	Educate employees on topics beneficial to stormwater management.	Training sign-in sheets attached	Continue training staff as appropriate.

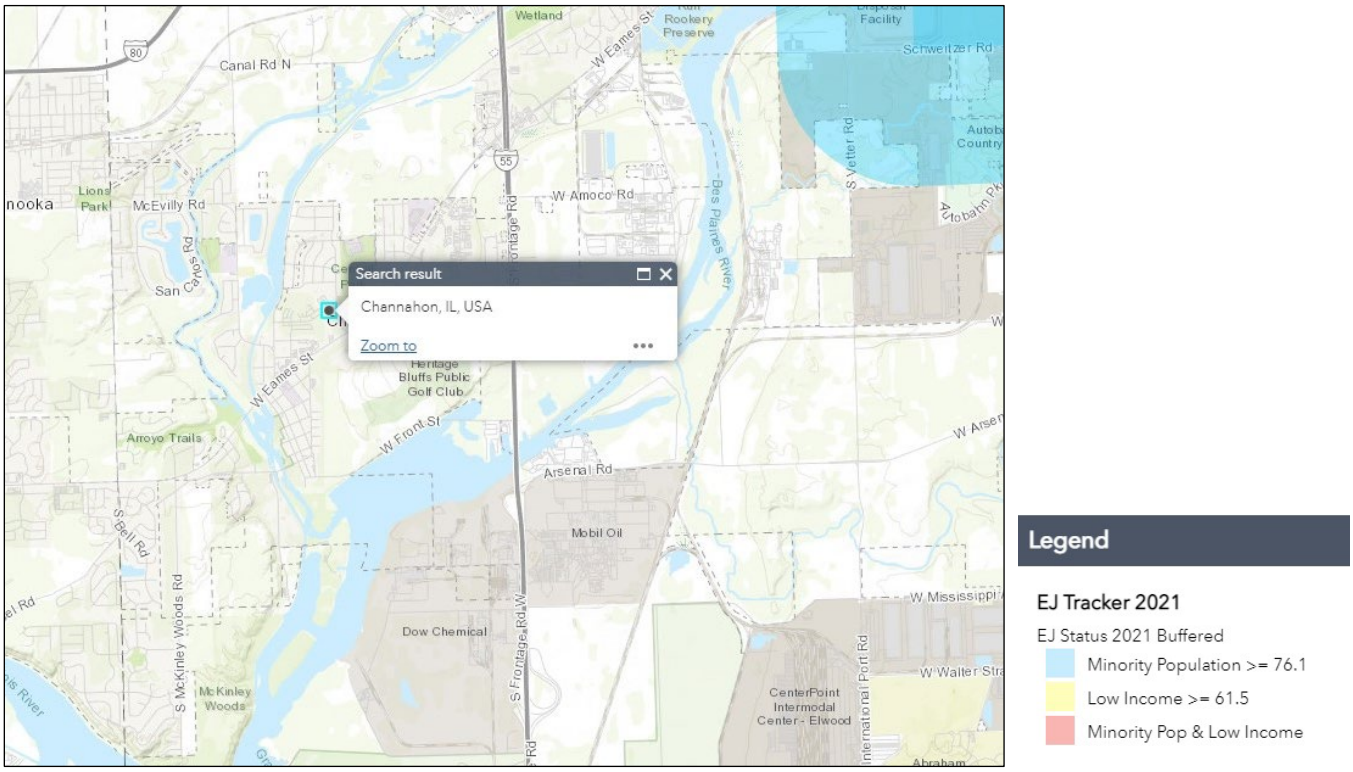
	BMP	Measurable Goals	Activities This Reporting Year	Planned Activities Next Year
2	Inspection and Maintenance Program	Collect documentation of street sweeping, storm jetting, storm sewer repairs, etc..	Documentation attached	Continue collecting documentation
2	Inspection and Maintenance Program	Storm Sewer Jetting/Cleaning.	Storm sewer jetting/cleaning completed.Track metrics.	Continue cleaning and maintaining storm structures.
5	Flood Management/Assess Guidelines	Village Staff provides accessibility to public for floodplain related questions and concerns.	Requests processed as received.	Continue to provide floodplain assistance and information to residents.
6	Other Municipal Operations Controls	Village of Channahon sits on Will County Stormwater Management Committee, Grundy County Stormwater Management Committee, Lower DuPage River Watershed Coalition and Lower Des Plaines River Watershed Group.	Regular attendance at meetings. Documentation attached.	Continue to participate in groups, as listed.

ENVIRONMENTAL JUSTICE SUMMARY

Name of Person filling out for: Robinson Engineering, Ltd.

Position: Village Engineer

Date: 2/24/2023



Evaluation: *(Municipality vs. State of Illinois)*

Date of Census: July 1st, 2022		
	Illinois	**Channahon**
Minority Population		
Black or African American alone (%)	14.7	2.7
American Indian and Alaska Native alone (%)	0.6	0.1
Asian alone (%)	6.1	0.1
Native Hawaiian and Other Pacific Islander alone (%)	0.1	0.0
Two or More Races (%)	2.2	1.5
Hispanic or Latino (%)	18	10.9
Income & Poverty		
Median Household Income (in 2021 dollars), 2017-2021	$72,563	$105,156
Persons in poverty (%)	12.1	3.8

IEPA ILR40 requires each MS4 to evaluate the IEPA Environmental Justice Tracker information and US Census Bureau data. Communities are required to provide equal opportunity to their entire population to participate in meaningful involvement of development, implementation and enforcement of environmental laws, regulations, and policies.

Map information was found at the Illinois EPA EJ Start Website: http://illinois-epa.maps.arcgis.com/apps/webappviewer/index.html?id=f154845da68a4a3f837cd3b880b0233c

Population information was obtained from the United States Census Bureau QuickFacts: (https://www.census.gov/quickfacts/fact/table/US/PST045218):

prairieriversnetwork

Rain Gardens for Illinois

WHAT IS A RAIN GARDEN?

Do you have a wet basement, water that pools on your property, or a winter skating rink that results from downspout water rushing down your driveway? With a little effort, you can put that water to work and create a very attractive landscape feature! A rain garden is a vegetated depression specially designed to capture and use rain and snowmelt, collectively known as storm water.

Rain gardens receive storm water runoff from upstream drainage areas such as roofs, driveways, and lawns. Water that pools in rain gardens nourishes the plants and filters into the soil. Rain gardens imitate natural filtering systems such as wetlands.

You don't have to be an engineer to make a rain garden, and the numerous economic and environmental benefits will last for years!

RAIN GARDEN BENEFITS

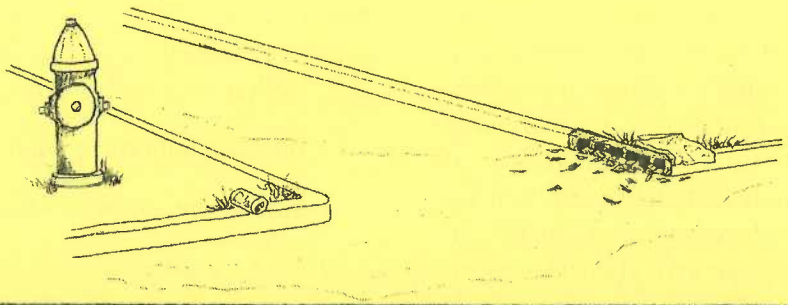
Rain gardens provide a number of benefits:

- offer a unique, beautiful landscape feature
- provide habitat for plants and wildlife such as hummingbirds and butterflies
- reduce flooding and water damage
- absorb more water than traditional lawns
- recharge ground water
- remove pollutants from storm water

WHY WORRY ABOUT STORM WATER?

Precipitation that is unable to filter into the ground moves into basements and streets, sometimes causing flood damage. As storm water flows downhill across lawns and impermeable surfaces, it picks up debris, soil, and chemical contaminants. This polluted water runs into storm drains and empties into rivers and lakes, often without treatment.

The influx of storm water into Illinois waterways not only makes our water resources less clean, but also causes the destabilization of banks and increases downstream flooding. Waterways need to be protected from the negative impacts of storm water because they are a source of drinking water, recreation, and wildlife habitat.



BASIC STEPS FOR CREATING A RAIN GARDEN

1. Choose a location
2. Determine rain garden size
3. Call JULIE (dial 811)
4. Dig the depression
5. Install inflow and outflow conveyances
6. Mulch the rain garden
7. Plant the rain garden
8. Water and weed regularly

Please refer to the text in this brochure for more details on each step.

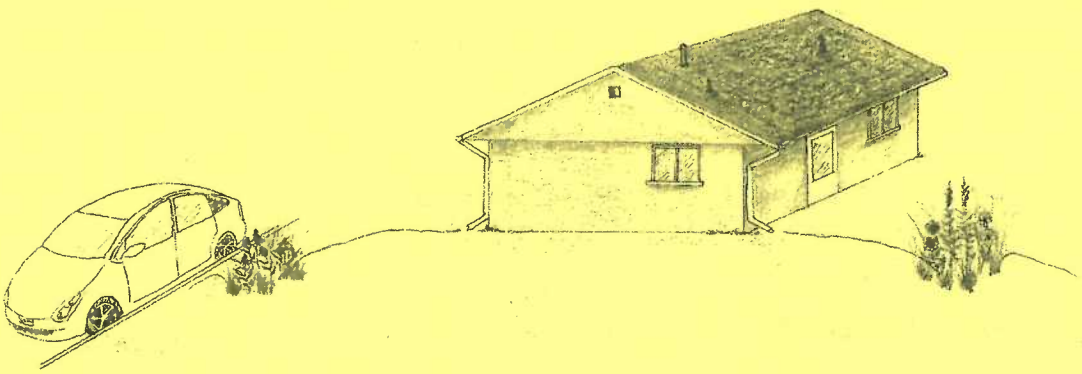
SELECTING A LOCATION FOR THE RAIN GARDEN

Rain gardens are a great way to reduce storm water runoff and beautify the landscape in residential, commercial, and industrial settings. The first step of installing a rain garden is deciding where to put it! Suitable locations include courtyards, lawns, and next to buildings, roads, driveways, or sidewalks. Avoid spots that are unlikely to receive storm water runoff from surrounding areas.

The most efficient way to determine the location of your rain garden is to observe your property during and after a rainfall. Note both where the water comes from and the area it travels to and pools. An ideal place for a rain garden is an existing low spot where water collects but also drains over time. Or, create your own depression close to an existing downspout. You can also be neighborly and intercept water that flows off your property.

A few more factors to consider when deciding on the location of your rain garden include:

- place rain garden at least 10 feet from building foundations
- avoid underground utility lines, septic fields, and tree roots
- the water table should be greater than 2 feet deep
- a location with partial or full sunlight will dry out faster and allow the use of native prairie plants



SOIL TESTING

If you need help determining the properties of your soil, you can submit a sample for particle size analysis at a soil testing laboratory. The University of Illinois Extension maintains a list of laboratories located in Illinois and neighboring states.

When you have a location in mind, dig a small hole approximately 6 inches deep and determine the soil type and water permeability. Sandy soils are gritty, whereas clay soils are sticky when wet. Fill the hole with water and observe how long it takes to drain. The soil is suitably permeable if the water disappears in 24 hours. Sandy, permeable soils are ideal because rain gardens should drain within a few days. When clay soil is present or permeability is low, you can:

- relocate the rain garden to more permeable soil
- amend the soil with sand and organic matter
- create a water garden

DIGGING THE RAIN GARDEN

Before digging the rain garden, determine the surface area, depth, and shape that are appropriate for your site and drainage conditions. A shape that works well is a bean-shape, with the long side facing upslope in order to catch as much storm water runoff as possible. Your rain garden should be approximately 10-30% of the drainage areas providing runoff. The depth of the rain garden should generally be 3-12 inches. If clay soils are present, the rate of water percolation into the ground will be low and therefore the rain garden should be relatively shallow and large in area. If the soil has good permeability (≥1 inch/hour), the rain garden can be on the deeper and smaller side of the suggested ranges.

It is best to dig your rain garden in the spring or early summer. The sides should be gently sloped, so that the rain garden resembles a saucer instead of a bowl. Use soil you have excavated to level out the bottom. The excess soil can also be used to create a berm on the downslope side of the rain garden. When working on the berm, you can install a rock-lined overflow spillway or a drain pipe so that you have more control of the rate of water loss. This extra step is only recommended if you are concerned about the rain garden overflowing or the soil is high in clay. Direct storm water to the rain garden with a downspout extension or shallow channel. Water can also come from sump pump outlets. Add decorative rock to soften the impact of incoming water.

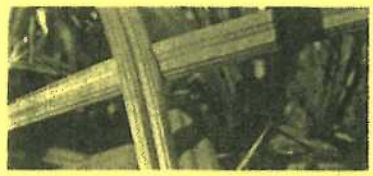
PLANTING THE RAIN GARDEN

- Use native species because they are adapted to local conditions, benefit wildlife, have deep root systems, and are often perennial
- Avoid species that are aggressive or exotic
- Choose plants with different bloom times so the rain garden remains colorful during the growing season

- Remove existing vegetation to reduce plant competition (non-toxic techniques include sod cutters and layers of black plastic or newspaper)
- Place species according to moisture tolerance, light requirements, and plant height (ex. wettest spot in rain garden should have the more moisture-tolerant species)
- Consider clumping species for visual effect
- Add 2-4 inches of mulch to help remove pollutants, maintain moisture, and prevent erosion and weeds

NATIVE PLANTS

River Oats



Gray Sedge

New England Aster

Swamp Milkweed

Golden Alexander

Virginia Bluebells

Great Blue Lobelia

Cardinal Flower

PLANTS FOR SUN AND SHADE

SUNNY GARDEN

Common Name	Height	Color	Bloom Time
Blue Flag Iris	2-3'	Blue	May-Jun
Golden Alexander	1-2'	Yellow	May-Jun
Great Blue Lobelia	2-4'	Blue	Aug-Sep
Joe-Pye Weed	3-6'	Pink	Jul-Sep
Mountain Mint	2-4'	White	Jul-Sep
New England Aster	1-5'	Purple	Aug-Oct
Palm Sedge	1-3'	Green	Apr-Jun
River Oats	2-3'	Green	Jul-Oct
Swamp Milkweed	2-4'	Pink	Jul-Aug

SHADY GARDEN

Common Name	Height	Color	Bloom Time
American Bellflower	2-6'	Violet	Jun-Oct
Bottlebrush Grass	2-5'	Green	Jun-Aug
Cardinal Flower	2-4'	Red	Jul-Sep
Cinnamon Fern	2-4'	Green	No flower
Dutchman's Breeches	1'	White	Apr-May
Gray Sedge	1-3'	Green	May-Sep
Jack-In-The-Pulpit	1-2'	Green	Apr-Jul
Orange Jewelweed	2-5'	Orange	Jun-Sep
Virginia Bluebells	1-3'	Blue	Apr-May

For more plant ideas, visit:

Illinois Wildflowers - **www.illinoiswildflowers.info**

Blue Thumb Plant Selector - **www.bluethumb.org/plants**

MAINTAINING THE RAIN GARDEN

The care needed to maintain a functioning rain garden does not differ greatly from a regular flower garden. Fertilizers are not needed, but compost can be blended into the soil to increase nutrients. Consider fencing the rain garden initially to keep your plants safe from hungry herbivores!

During the first year, the rain garden will need regular watering (~1 inch/ week) and weeding. Over time, the plants will grow larger and develop deep root systems. Simultaneously, the need for weeding and watering will decrease.

Each spring, remove the dead material from the previous growing season. Also replenish the mulch and make sure the inflow and outflow conveyances are clear of debris.

MOSQUITOES

Mosquitoes will not breed successfully in well-drained rain gardens. It takes 10-14 days for a mosquito to fully develop from egg to adult. Rain gardens should filter water completely within a few days.

OTHER RESOURCES

More details about rain gardens are available from:

Prairie Rivers Network
www.prairierivers.org/raingardens

Wisconsin Department of Natural Resources
dnr.wi.gov/runoff/rg

This rain garden brochure is a product of Prairie Rivers Network. To learn more, call us to schedule a rain garden presentation. If you build a rain garden, please send your stories and pictures to info@prairierivers.org.

prairierivers network

1902 Fox Drive, Suite G
Champaign, IL 61820
217-344-2371
www.prairierivers.org

Illustrations by Karie Neukomm and photographs by Michael Jeffords and John Hilty.

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.

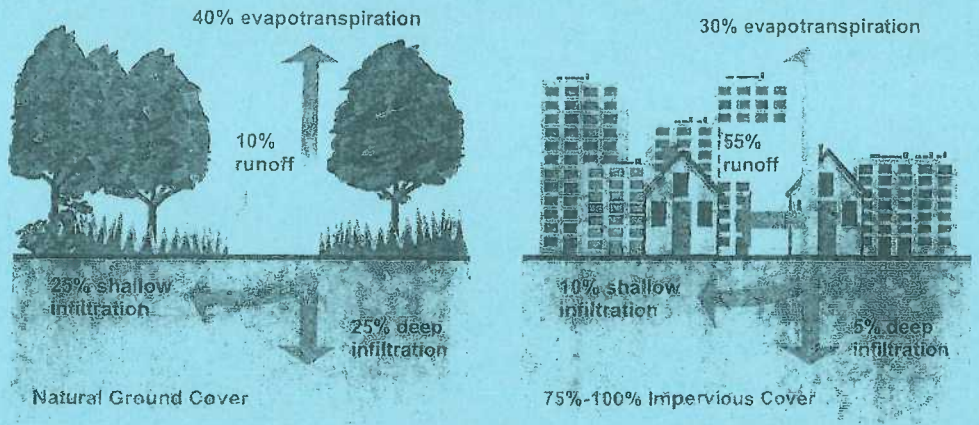
The loss of infiltration from urbanization may also cause profound groundwater changes. Although urbanization leads to great increases in flooding during and immediately after wet weather, in many instances it results in lower stream flows during dry weather. Many native fish and other aquatic life cannot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

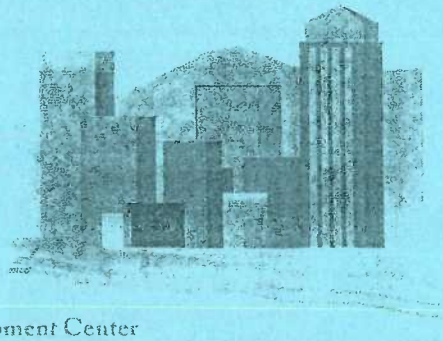
In addition, households can prevent polluted runoff by picking up after pets and using, storing, and disposing of chemicals properly. Drivers should check their cars for leaks and recycle their motor oil and antifreeze when these fluids are changed. Drivers can also avoid impacts from car wash runoff (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

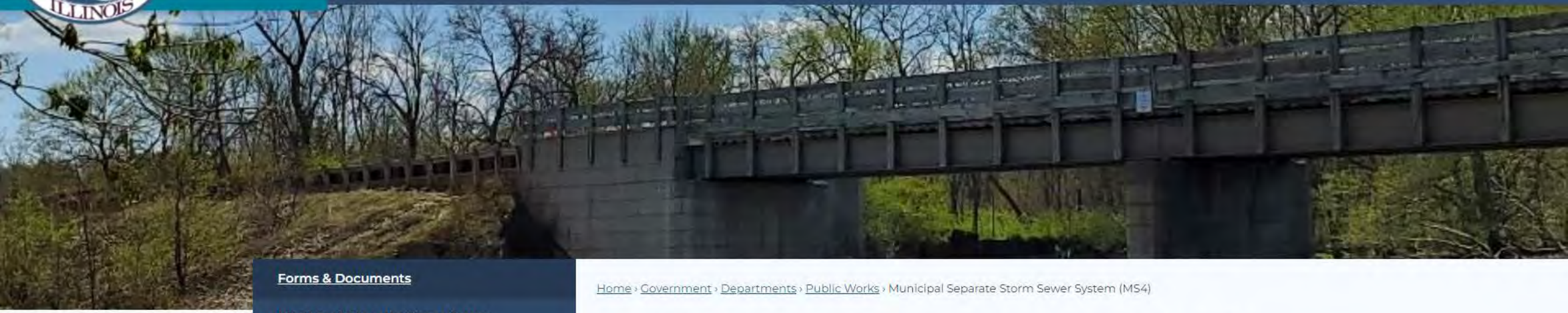
U.S. Environmental Protection Agency
Nonpoint Source Control Branch (4503T)
1200 Pennsylvania Avenue, NW
Washington, DC 20460

www.epa.gov/nps

February 2003

Search Term	Website	Facebook (people reached)	Twitter (people reached)	Instagram (people reached)
Yard Waste Begins	55	6,313	115	442
Leaf Pickup	N/A	N/A	N/A	597
I&M Canal Cleanup	N/A	2,791	420	387
Electronic Waste Event	N/A	N/A	N/A	N/A
Household Hazardous Waste Drop Off Event	N/A	N/A	N/A	N/A
Water Quality Report	1	1,763	227	N/A
Christmas Tree Pickup	2	N/A	N/A	N/A
Newsletter	99	7,832	990	974
Downloads of VOC Annual Facility Inspection Report - 2018	83	N/A	N/A	N/A

Kevin - here is what I was able to pull for this year's data. If the website counts seem low, that would be correct - CivicPlus, our website provider, changed analytics methods last year, and as such, a large chunk of the data is unavailable.



Forms & Documents

Municipal Separate Storm Sewer System (MS4)

Ongoing Construction & Projects

2024 Rain Barrel Program

Municipal Separate Storm Sewer System (MS4)

Documents

- MS4 Stormwater Plan (PDF)
- Village of Channahon MS4 Notice of Intent 2021 (PDF)
- Environmental Justice Area Evaluation (PDF)

Annual Facility Inspection Report

- 2022 NPDES MS4 Annual Report (PDF)
- View all archived Inspection Reports

2024 Rain Barrel Program

In partnership with The Conservation Foundation, the Village of Channahon is offering rain barrels for sale through May 28, 2024.

What are rain barrels?

A rain barrel is used to collect and store rainwater runoff, typically from rooftops. Instead of running down driveways and sidewalks to sewers, rainwater is collected into a rain barrel where it can be stored for use in rain gardens, watering house plants, pet care, and washing cars. Rain barrels are a simple, low-cost method for homeowners to conserve water.

Why are rain barrels beneficial?

It is estimated that during the hot summer months, the average homeowner uses 40% of household water in the yard. The chlorine-free rain that falls on roofs can be used to offset household water usage and reduce water bills.

A quarter-inch of rain falling on the average roof yields more than 200 gallons of water. In the Chicago area, the average annual rainfall is more than 30", meaning every household could collect 24,000 gallons of water a year in rain barrels!

Collecting rainwater where it falls reduces the negative impacts of having it run down driveways and lawns, where it picks up pollutants like motor oil and pesticides and carries them into our rivers and streams.

**Rain barrel information courtesy of The Conservation Foundation.*

How do I order a rain barrel?

You can place your rain barrel order using either the mail-in order form or the online order forms that can be found here (link). Mail-in orders are due by **May 24, 2024** and online orders are due by **May 28, 2024**.

When will I receive my rain barrel?

The Village of Channahon is hosting a 2024 Rain Barrel Pick Up Event on **Saturday, June 1, 2024 from 10 a.m. - 12 p.m.** at Village Hall (24555 S. Navajo Drive). You may also opt for home delivery through the Conservation Foundation (link).

Who can I contact with questions?

Questions about the Rain Barrel Program can be directed to Kevin Fricke, Assistant Director of Public Works, via email (kfricke@channahon.org) or by phone (815-467-6644.).

How do you dispose of your Christmas Trees?
Christmas trees will be collected by Lakeshore Recycling Systems (formerly known as Environmental Recycling & Disposal) without charge curbside for the first three (3) weeks following Christmas on the resident's regular collection day.

▼ Refuse & Recycling

Show All Answers

1. **Why didn't they pick up my refuse or recycling?**
2. **How do I dispose of yard waste?**
3. **How do we prepare yard waste for pick up?**
4. **How do I obtain or replace my existing refuse tote?**
5. **How do I dispose of a couch or any other large item?**
6. **How do I dispose of an appliance?**
7. **Where can you recycle electronics?**
8. **Is there a compactor and where is it located?**

Search

All categories

Categories

- All Categories
- 2022 Water Supply Decision
- Boards & Commissions
- Development - Permits & Inspections
- Development - Zoning
- Employment
- Finance

Channahon E-News

Posted on: April 12, 2023

Community-wide Cleanup Saturday, April 29

The Villages of Channahon and Minooka are joining forces for a community-wide cleanup!

Join us on **Saturday, April 29, 2023** at 10:00 a.m. to help keep our communities beautiful. Volunteers will receive gloves, bags, and a map with a designated cleanup area. Lunch will be provided after at the Village of Minooka Community Room. Maps of the cleanup area will be distributed at the event.

Please RSVP to jeff.lind@minooka.com (link) by Monday, April 24, 2023. Walk-ups are also welcome.

HOLIDAY SCHEDULE

New Year's Day

Memorial Day

Independence Day

Labor Day

Thanksgiving Day

Christmas Day

Weekday holidays will delay collection by one day for the remainder of the week. For example, if a holiday falls on a Monday, Monday customers will be collected on Tuesday and Tuesday customers will be collected on Wednesday.

QUARTERLY E-WASTE PICK-UP

E-waste pick-ups for the Village of Channahon are available quarterly. You must schedule your pick-up at least 24 hours in advance of the pick-up day. An additional fee of $35 per item will apply. Electronics can also be dropped off free of charge at the Naperville Environmental Collection Campus, 156 Fort Hill Drive, Monday through Friday from 8 am. to 3 pm. Acceptable items include computers/computer equipment, TVs, microwaves, stereos, digital equipment, cell phones, video games, microwaves, phones and small appliances. Unacceptable items include commercially-sized electronics.

E-waste days occur:

- The week of February 24
- The week of May 18
- The week of August 24
- The week of November 16

Environmental
Recycling & Disposal

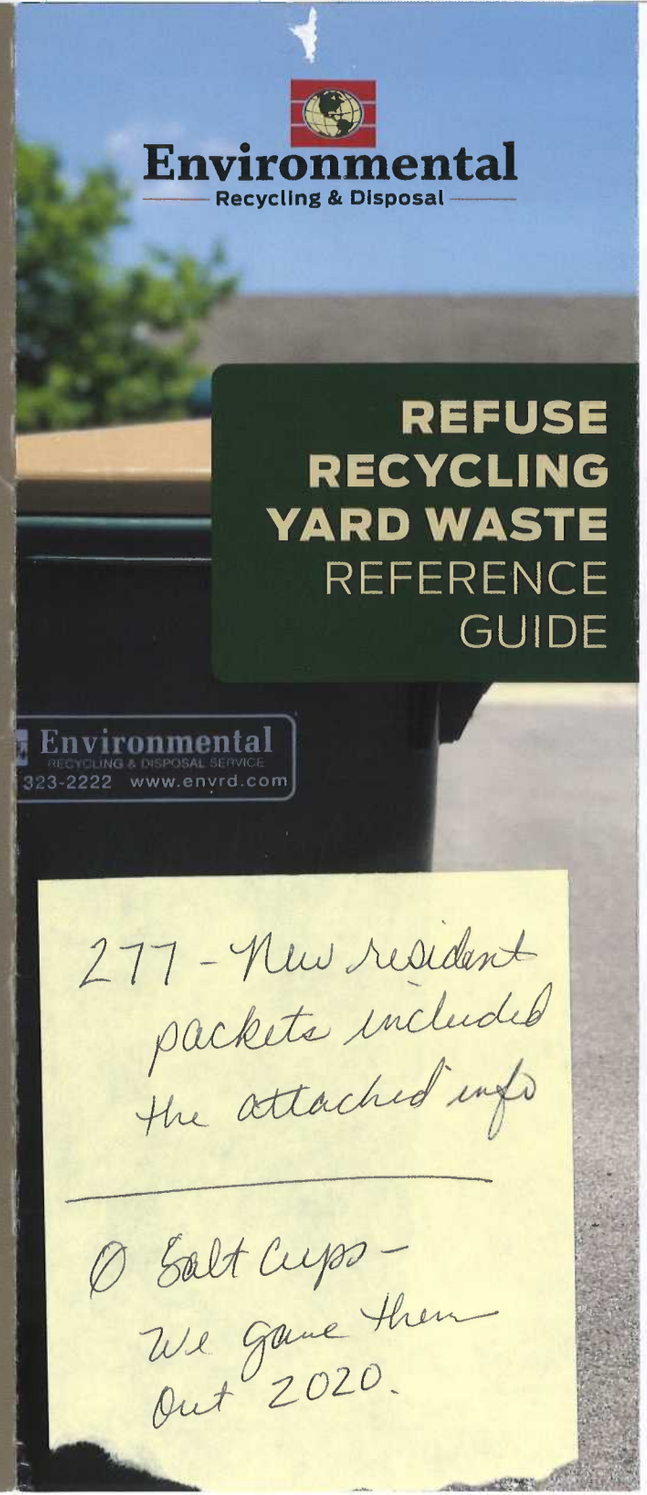
2145 W Moen Ave
Rockdale, IL 60436

(815) 725-4555
channahon@ envrd.com

facebook.com/envrd

envrd.com/channahon

Hours: 8:00 AM - 5:00 PM



GETTING YOU READY FOR YOUR DAY. EVERY DAY.

Your waste service allows for collection of refuse, recycling and yard waste. Please use the appropriate cart for each type of waste. You may also place additional acceptable waste in bags next to your carts. No stickers are required.

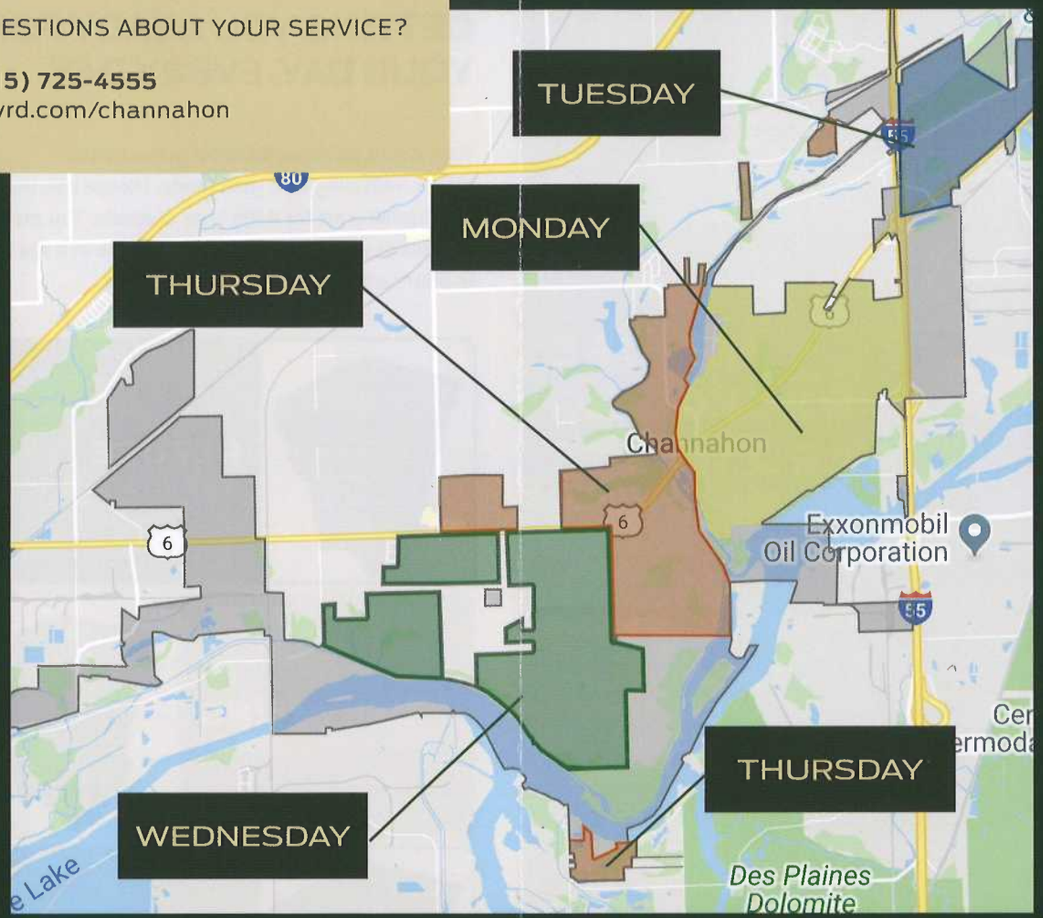
If you did not pre-select your cart sizes, you have been assigned 95-gallon refuse, recycling and yard waste carts. If you require smaller or larger carts for any reason, please call us to request:

- Refuse Carts: 95-, 65- and 35-gallon
- Recycling Carts: 95- and 65-gallon

Yard waste carts can be removed from your property upon request.

QUESTIONS ABOUT YOUR SERVICE?

(815) 725-4555
envrd.com/channahon



SERVICE DAYS

Monday Tuesday Wednesday Thursday

Your refuse service day is assigned based on your service address. The above map references the service days for the Village of Channahon. You can also visit **www.envrd.com/channahon** to check your exact address on our interactive service day finder.

Please have your refuse ready for pick-up by 6am on your service day.

NEED A DIFFERENT CART SIZE?

(815) 725-4555

Cart change requests can be made for any reason free of charge through July 1, 2020. After July 1 additional fees may apply.

INCLUDED SERVICES

In addition to weekly refuse, recycling and yard waste pick-up, your service also includes:

- Seasonal yard waste pick-up, from the week of March 15 through the week of December 15.
  - Yard waste cart can be used for refuse off-season.
- One bulk item pick-up per week.
- One appliance (white good) pick-up per week.
- Quarterly e-waste pick-up ($35/item).
- Additional cart rentals ($6/month).
- Discounted rates for seniors and 100% disabled veterans.
- Discounted rates on roll-off dumpsters.

REFUSE PICK-UP IS LIMITED TO THE FOLLOWING ACCEPTABLE ITEMS:

ACCEPTABLE	UNACCEPTABLE
organics	hot or warm bbq coals
liner bags	flammable items
plastic food containers	toxic items
cutlery	corrosive items
lids	reactive items
drink cups	liquid paint
straws	pesticides
snack food bags	poisons
plastic or foil wrappers	cleaning solvents
aluminum foil	batteries
drink pouches	used oil
pet hair	automobile fluids
broken mugs, dishes	

YARD WASTE PICK-UP IS LIMITED TO THE FOLLOWING ACCEPTABLE ITEMS:

ACCEPTABLE	UNACCEPTABLE
grass trimmings	plastic bags
leaves	animal waste
Christmas trees	cardboard
twigs	concrete
branches	rock
outdoor plants / flowers	fruits / vegetables
	dirt
	stone
	indoor plants
	trees
	stumps larger than 3"

WANT TO RENT ADDITIONAL CARTS?

(815) 725-4555
envrd.com/channahon

RECYCLING PICK-UP IS LIMITED TO THE FOLLOWING ACCEPTABLE ITEMS:

ACCEPTABLE	UNACCEPTABLE
Paper/Other Fibers	
copy paper	carbon paper
computer paper	self-stick labels
glossy paper	gum/candy wrappers
envelopes	tissue paper
newspaper	waxed paper
telephone books	paper cups
file folders	paper towels
magazines	
junk mail	
paper bags	
cardboard	
Plastic	
Empty and rinsed plastic containers marked with #1 / #5 / #7, including;	Any plastic containers marked with #6, including;
water / soda bottles	take-out containers
milk / juice jugs	styrofoam
butter tubs	packing peanuts
yogurt cups	CD/DVD covers
ketchup bottles	film plastic
household cleaner bottles	plastic bags
coffee containers	saran wrap
	plastic silverware
Tin or Aluminum	
Empty and rinsed aluminum and tin containers, including;	aerosol cans
soda / beer cans	aluminum foil
soup cans	conduit pipe
	gutters
Glass	
Empty and rinsed clear and colored glass bottles and jars	flat glass
	light bulbs
	dinnerware, Pyrex®
	ceramics

About Channahon +
Community +
Community Board (TV)
COVID-19 Resources for Residents
Community Events
Education +
Government & Business Forms
Parks & Recreation
Channaholidays
Village-Wide Garage Sales
Annual Channahon Community Potato Festival

Village-Wide Garage Sales

The Village of Channahon's Village-Wide Garage Sales are held annually in both the spring and fall.

2023 Garage Sale Dates

Spring

- Thursday, May 4
- Friday, May 5
- Saturday, May 6

Registration for the Spring Village-Wide Garage Sales will open on Thursday, April 6, 2023 at 8:00 AM and close on Thursday, April 27, 2023 at 5:00 PM. A link to register will be posted to this page on the date registration opens.

The list of participating houses and maps will be available the morning of Thursday, May 4, 2023.

Fall

- Thursday, September 7
- Friday, September 8
- Saturday, September 9

Please note that these dates are subject to change. Please check this page for further updates, including registration information.

STATE OF ILLINOIS }
COUNTY OF WILL } COMPLAINANT

VILLAGE OF CHANNAHON

A Municipal Corporation.

☐ POLICE DEPT. ☐ ZONING ENFORCEMENT
☒ BUILDING DEPT. ☐ OTHER _____

ACT 001649

DUE DATE WAS		
MONTH	DATE	YEAR
12	11	19 23

YOUR FINAL NOTICE DATE WAS		
MONTH	DATE	YEAR
12	15	19 23

TO THE DEFENDANT HEREINAFTER NAMED: GDP HOMES II, LLC

You are hereby notified that the Village of Channahon has issued you this notice of ordinance violation. If you fail to pay the required fee this notice will be converted to an Ordinanace Violation.

COMPLAINT

The Complainant named above by its Authorized Officer, on oath states that:

MONTH	DATE	YEAR	D O B
		19	/ /

GDP HOMES II, LLC
NAME

on

2401 PLUM GROVE ROAD 208
ADDRESS

defendant herein, did violate Section 95.35 of the local ordinance

AT _____ HOUR AM PM

PALATINE IL 60067
CITY STATE ZIP

Dr. Lic. #

at 25 CLUP W ST ANN LANE in said Municipality
(LOCATION OF OFFENSE)

by (describe act) DEPOSIT ON SIDEWALK.

MAKE	LICENSE NUMBER	STATE	MONTH/YEAR	MUNICIPALITY AND YEAR

and further states that he has probable cause to believe the defendant is in violation of said ordinance,

for the aboved named Municipality by: OFFICER CHAD SODA its Agent

on this 15TH day of NOVEMBER 19 22 ☒ ACTION REQUIRED. CLEAN SIDEWALK // PAY FINE

Penalty for this violation, if it had been paid BEFORE Due Date $ 250 .00

Penalty for this violation, if it had been paid BEFORE Final Notice Date $ 500 .00

THIS IS AN ADMINISTRATIVE COMPLIANCE TICKET

If The Penalty is Paid Promptly

1. You Will Not Have To Appear In Court.
2. No Points Will Be Charged Against Your License.
3. The Fee Is Less Than A Normal Citation.
4. You Will Not Have To Pay Normal Court Costs.

If not paid within 30 days an ordinance complaint will be issued subjecting you to trial in circuit court including payment of a fine and court costs.

STATE OF ILLINOIS
COUNTY OF WILL } COMPLAINANT VILLAGE OF CHANNAHON A Municipal Corporation.

☐ POLICE DEPT. ☐ ZONING ENFORCEMENT
☑ BUILDING DEPT. ☐ OTHER

TO THE DEFENDANT HEREINAFTER NAMED:
You are hereby notified that the Village of Channahon has issued you this notice of ordinance violation. If you fail to pay the requisite fine, you will be required to appear in court.

COMPLAINT

The Complainant named above by its Authorized Officer, on oath states that:

MONTH	DATE	YEAR	D O B
			/ /

AM / PM

Dr. Lic. #

AMERICAN LEISURE POOL (NAME) defendant herein, did violate Section 93.02 of the local ordinance

on

AT HOUR

1272 COYOTE COURT (ADDRESS)

HAMPSHIRE (CITY) IL. (STATE) 60140 (ZIP)

at 25341 S COPPER LEAF CHANNAHON IL. 60410 in said Municipality
(LOCATION OF OFFENSE)

by (describe act) DUMPING STONE ON STREET AFTER PRIOR WARNING

MAKE/YEAR	LICENSE NUMBER	STATE	MONTH/YEAR	MUNICIPALITY AND YEAR

and further states that he has probable cause to believe the defendant is in violation of said ordinance.

for the aboved named Municipality by: OFFICER DC its Agent

on this 10TH day of APRIL 2023 ☑ ACTION REQUIRED. REMOVE STONE NO FURTHER DUMPING

Penalty for this violation, on or BEFORE Due Date $ 500.00

Penalty for this violation, After due date $ 1000.00

ACT 21612

DUE DATE		
MONTH	DATE	YEAR
4	20	2023

YOUR FINAL NOTICE DATE		
MONTH	DATE	YEAR
5	1	2023

THIS IS AN ADMINISTRATIVE COMPLIANCE TICKET
If The Penalty is Paid Promptly

1. You Will Not Have To Appear In Court.
2. No Points Will Be Charged Against Your License.
3. The Fee Is Less Than A Normal Citation.
4. You Will Not Have To Pay Normal Court Costs.

If not paid within 30 days an ordinance complaint will be issued subjecting you to trial in circuit court including payment of a fine and court costs.

VIOLATOR'S COPY

STATE OF ILLINOIS
COUNTY OF WILL } COMPLAINANT **VILLAGE OF CHANNAHON** A Municipal Corporation.

☐ POLICE DEPT. ☐ ZONING ENFORCEMENT
☑ BUILDING DEPT. ☐ OTHER _____

TO THE DEFENDANT HEREINAFTER NAMED:

You are hereby notified that the Village of Channahon has issued you this notice of ordinance violation. If you fail to pay the requisite fine, you will be required to appear in court.

COMPLAINT

The Complainant named above by its Authorized Officer, on oath states that:

MONTH	DATE	YEAR	D O B
4	25	23	/ /

on _____ AM
AT _____ HOUR PM
Dr. Lic. #

Osman Construction
NAME
70 W. Seegers Rd
ADDRESS
Arlington Heights IL 60005
CITY STATE ZIP

defendant herein, did violate Section 95.35 of the local ordinance

at 23334 S. Frontage Rd W Channahon IL 60410 in said Municipality
(LOCATION OF OFFENSE)

by (describe act) Deposits on streets & Right Always

MAKE/YEAR	LICENSE NUMBER	STATE	MONTH/YEAR	MUNICIPALITY AND YEAR

and further states that he has probable cause to believe the defendant is in violation of said ordinance.

for the aboved named Municipality by: OFFICER _____ its Agent

on this 25th day of April 2023 ☒ ACTION REQUIRED. Pay Fine / Street Sweep to Address Issue

Penalty for this violation, on or BEFORE Due Date $ 500.00

Penalty for this violation, After due date $ 1000.00

ACT 21614

DUE DATE		
MONTH	DATE	YEAR
5	8	23

YOUR FINAL NOTICE DATE		
MONTH	DATE	YEAR
5	18	23

THIS IS AN ADMINISTRATIVE COMPLIANCE TICKET
If The Penalty is Paid Promptly

1. You Will Not Have To Appear In Court.
2. No Points Will Be Charged Against Your License.
3. The Fee Is Less Than A Normal Citation.
4. You Will Not Have To Pay Normal Court Costs.

If not paid within 30 days an ordinance complaint will be issued subjecting you to trial in circuit court including payment of a fine and court costs.

VIOLATOR'S COPY

Enforcement List - Inspection Summa

03/22/24

Enforcement Numbe	Address	Filed	Status	Closed
EEN23-0013	26226 W TALLGRASS TRL	03/02/23	Closed - Abated	08/03/23

Complaint received about the water from a sunp line discharging at the very edge of their property and causing ice damning on the bike path.

Inspection Type	Statu	Result	Schedule	Complete	Inspecto

Enforcement Numbe	Address	Filed	Status	Closed
EEN23-0020	25341 S COPPER LEAF DR	04/10/23	Closed - Ticket P	04/11/23

American Leisure Pools is doing a pool install and was warned on April 7th with a prior load of stone that they had left in the street about having stone in the road. I let the laborers know on site that it would be a $500 ticket for any future occurrence.

Inspection Type	Statu	Result	Schedule	Complete	Inspecto

Enforcement Numbe	Address	Filed	Status	Closed
EEN23-0022	25039 W EAMES ST	04/14/23	Closed - Complie	04/17/23

Dust from Ozinga Plant is trackign out onto Route 6. Contacted Vince the Sight Manager to address it. Said it would be addressed before the end of the day.

Inspection Type	Statu	Result	Schedule	Complete	Inspecto

Enforcement Numbe	Address	Filed	Status	Closed
EEN23-0023	23334 S FRONTAGE RD W	04/26/23	Closed - Ticket P	05/03/23

After multiple warning the road conditions still needed to be addressed as well as having the sewer grate barriers installed.

230804: Road conditions are better. Sewer grate barriers not installed.

Inspection Type	Statu	Result	Schedule	Complete	Inspecto

Enforcement List - Inspection Summa

03/22/24

Enforcement Numbe	Address	Filed	Status	Closed
EEN23-0029	25721 W STONECHASE CT	05/16/23	Closed - Ticket P	05/24/23

Ticket to Ruane Construction for Excavating without installing Silt Fence on the property.

Inspection Type	Statu	Result	Schedule	Complete	Inspecto

Enforcement Numbe	Address	Filed	Status	Closed
EEN23-0050	26240 W BAYBERRY CT	05/25/23	Closed - Complie	06/05/23

Drain tile ran to the sewer but not connected properly causing erosion of the area around the sewer.

Contact Public works to have drain connected properly and the then back fill eroded area once completed.

Per field inspection on 6/2/2023, KFricke is unsure if this property is the one responsible for the issue. It is possible the pipe in question may be coming from 26116 S. Bell Rd. Public Works is to investigate with a dye test. Defer any additional enforcement actoins until actual violator is verified. -MPetrick 6/2/23.

THIS HAS BEEN CLOSED AS IT HAS BEEN DEEMED TO NOT BE THE RESPONSIBILITY OF THIS PROPERTY. PUBLIC WORKS TO CORRECT THE INLET AND REPAIR THE WASHED OUT AREA. CLOSED PER KFRICKE ON 6/5/2023. -MPETRICK

Inspection Type	Statu	Result	Schedule	Complete	Inspecto

Enforcement Numbe	Address	Filed	Status	Closed
EEN23-0054	25039 W EAMES ST	05/31/23	Closed - Complie	08/01/23

Route 6 and Bluff road are full of material dust from the traffic in and out of Ozinga.

Called and spoke with Isaac on site and he said they would get a water truck / sweeper to address it within 24 hours.

Inspection Type	Statu	Result	Schedule	Complete	Inspecto

Enforcement List - Inspection Summa

03/22/24

Enforcement Numbe	Address	Filed	Status	Closed
EEN23-0069	26460 S SETTLER'S DR	07/25/23	Closed - Complie	07/25/23

Contractor dumped a load of gravel on road.

Inspection Type	Statu	Result	Schedule	Complete	Inspecto

Enforcement Numbe	Address	Filed	Status	Closed
EEN23-0158	26713 S EASTWOOD CT	08/24/23	Closed - Complie	08/25/23

Load of gravel dumped on street.

Inspection Type	Statu	Result	Schedule	Complete	Inspecto

Enforcement Numbe	Address	Filed	Status	Closed
EEN23-0293	26535 W ORCHID LN	11/03/23	Closed - Complie	11/16/23

Silt fence required on pond side of project.

Inspection Type	Statu	Result	Schedule	Complete	Inspecto

Enforcement Numbe	Address	Filed	Status	Closed
EEN23-0296	25248 W ST ANN WAY	11/15/23	Closed - Ticket P	12/28/23

Mud on sidewalk

Inspection Type	Statu	Result	Schedule	Complete	Inspecto

Enforcement Numbe	Address	Filed	Status	Closed
EEN23-0314	26465 S JUSTIN DR	12/14/23	Closed - Complie	01/05/24

Sump discharge flowing over sidewalk.

Inspection Type	Statu	Result	Schedule	Complete	Inspecto

Enforcement List - Inspection Summa

03/22/24

Enforcement Numbe	Address	Filed	Status	Closed
EEN23-0315	24603 W TURNSTONE BLVD	12/19/23	Closed - Complie	12/20/23

No silt fence

Inspection Type	Statu	Result	Schedule	Complete	Inspecto

Enforcement Numbe	Address	Filed	Status	Closed
EEN23-0316	26427 W STEPHANIE DR	12/19/23	Closed - Abated	01/18/24

Silt fence required

Inspection Type	Statu	Result	Schedule	Complete	Inspecto

Population Marked Records

05/31/2023 0846 I 55 diesel spill

- Channahon Fire reported a diesel spill of 25 gallons on the southbound side of I55 at the southbound RT6 exit ramp.
- Will county EMA was notified. Incident # WC6619
- IEMA was notified. Incident # H20230426
- The Shiper was informed to call out their spill response team to clean up the spill.
- Report made at 0930 hrs

Hazardous Materials Incident Report

Incident #:	**H-2024-0202**
Entered By:	**Kattner, Paul (IEMA) on 2024-03-12 15:23:08**
Data Input Status:	**Closed**
Leaking Underground Storage Tank (LUST):	**No**
Used PFAS Chemicals (Firefighting Foam) for Fire Suppression:	**No**

Caller:	Chief John Petrakis
Call Back #:	815/915-6552
Caller Represents:	Channahon Fire
Hazmat Incident Type:	Fire

INCIDENT LOCATION

Incident Location:	S Frontage Rd W and Shepley Rd		
County:	Will	City:	Channahon
Primary IEMA Region:	3	Secondary IEMA Region:	Not Applicable
Full Address:	S Frontage Rd W and Shepley Rd, Channahon, IL		
Latitude:	41.46871	Longitude:	-88.19731
Milepost:	N/A	Sec:	N/A
Twp.:	N/A	Range:	N/A
Area Involved:	Highway		
Media or medium into which the release occurred:	Ground		

WEATHER INFORMATION

Temp (deg F):	72 Degrees	Wind Dir/Speed m.p.h:	SE 17 MPH

MATERIALS INVOLVED

Material Name:	Diesel Fuel	Material Type:	Liquid
CHRIS Code:	Unknown	CAS #:	Unknown
UN/NA #:	Unknown		
Is this a 302(a) Extremely Hazardous Substance?	Unknown		
Is this a RCRA Hazardous Waste?	Unknown		
Is this a RCRA regulated facility?	Unknown		
Container Type:	Truck (Saddle Tanks)	Container Size:	200 Gallons
Amount Released:	100 Gallons (estimate)	Rate of Release/min:	N/A
Duration of Release:	1/2 Hour		
Cause of Release:	Semi-tractor and trailer fire caused a saddle tank release.		
Estimated Spill Extent:	800	Spill Extent Units:	Square feet

Date/Time Occured:	2024-03-12 14:12
Date/Time Discovered:	2024-03-12 14:12

Number Injured:	0	Where Taken:	N/A
Number Killed:	0	# Evacuated:	0
On Scene Contact:	Chief John Petrakis	On Scene Phone #:	815/915-6552
Proper safety precautions to take as a result of the release, including evacuation: West Frontage Rd was closed and ISP positioned squad cars on I-55 to slow traffic.			
Assistance needed from State Agencies: None			
Containment/Cleanup actions and plans: Absorbent materials have been applied.....Mighty's Towing and Cleanup (Contractor) is coordinating cleanup and remediation.			

Responsible Party:	Ag Expedited Incorporated
Contact Person:	Daiva Oliskevicius
Callback Phone Number:	630/506-1048
Facility Manager:	N/A
Facility Manager Phone #:	N/A
Street Address:	16W470 Lake Dr, Apt. #6
City:	Willow Brook State: IL Zip Code: 60527

Emergency Units Contacted	Contacted	On Scene	Agencies Contacted
ESDA			N/A
Fire	√	√	Channahon Fire, Minooka Fire
Police	√	√	ISP, Channahon PD
Sheriff			N/A
Other			N/A

AGENCIES OR PERSONS NOTIFIED			
Agency	**Date/Time**	**Name of Person**	**Notification Action**
IEPA, OSFM, ISPCC, IDOT Station #1, NRTP, & IEMA Region #3	2024-03-12 15:40	E-mailed	Report Sent
Will County LEPC	2024-03-12 15:40	E-mailed	Report Sent

Narrative:

Follow-Up Information:

Attachments:

Hazardous Materials Incident Report

Incident #:	**H-2023-0470**
Entered By:	**Barker, Arianna (IEMA) on 2023-06-15 16:17:03**
Data Input Status:	**Closed**
Leaking Underground Storage Tank (LUST):	**No**
Used PFAS Chemicals (Firefighting Foam) for Fire Suppression:	**Yes**

Caller:	Ann Bhatia
Call Back #:	630/257-3960
Caller Represents:	IMTP Illinois
Hazmat Incident Type:	Leak or spill

INCIDENT LOCATION

Incident Location:	24420 W Durkee Rd		
County:	Grundy	City:	Channahon
Primary IEMA Region:	3	Secondary IEMA Region:	Not Applicable
Full Address:	24420 W Durkee Rd , Channahon, IL		
Latitude:	41.41035	Longitude:	-88.19801
Milepost:	N/A	Sec:	N/A
Twp.:	N/A	Range:	N/A
Area Involved:	Fixed Facility		
Media or medium into which the release occurred:	Ground		

WEATHER INFORMATION

Temp (deg F):	Unknown	Wind Dir/Speed m.p.h:	Unknown

PFAS Details

Date/Time Occurred:	2023-06-14 07:40		
Location:	24420 W Durkee Rd , Channahon, IL	Amount Released:	approx 1-3 gallons
Name of Person:	N/A	Local Incident #:	N/A
Local Government:	N/A	State Government:	N/A
Fire Department:	N/A	Fire Department ID (FDID):	N/A

Purpose or reason of the discharge or release into the environment:
Mechanical error in loading area of building

Containment, treatment, and disposal measures to be taken or used to prevent or minimize the discharge or release of the Class B firefighting foam into the environment:
system was shut down. contained on site.

MATERIALS INVOLVED

Material Name:	PFAS foam	Material Type:	Liquid
CHRIS Code:	unknown	CAS #:	unknown
UN/NA #:	unknown		

Is this a 302(a) Extremely Hazardous Substance?	Unknown		
Is this a RCRA Hazardous Waste?	Unknown		
Is this a RCRA regulated facility?	Unknown		
Container Type:	Sprinkler-like system	Container Size:	unknown
Amount Released:	1-3 gallons	Rate of Release/min:	
Duration of Release:	Unknown		
Cause of Release:	Mechanical error in loading area of building		
Estimated Spill Extent:	unknown	Spill Extent Units:	

Date/Time Occured:	2023-06-14 07:40
Date/Time Discovered:	2023-06-14 07:40

Number Injured:	0	Where Taken:	N/A
Number Killed:	0	# Evacuated:	0
On Scene Contact:	Brett Jones	On Scene Phone #:	815/666-8118
Proper safety precautions to take as a result of the release, including evacuation: none			
Assistance needed from State Agencies: none			
Containment/Cleanup actions and plans: foam was mopped up with absorbent pad. caller states they will be disposed of appropriately.			

Responsible Party:	IMTP Illinois
Contact Person:	Ann Bhatia
Callback Phone Number:	630/257-3960
Facility Manager:	N/A
Facility Manager Phone #:	N/A
Street Address:	13589 Main St
City:	Lemont State: IL Zip Code: 60439

Emergency Units Contacted	Contacted	On Scene	Agencies Contacted
ESDA			none
Fire	√	√	Channahon Fire Dept
Police			none
Sheriff			none
Other			none

AGENCIES OR PERSONS NOTIFIED			
Agency	**Date/Time**	**Name of Person**	**Notification Action**
IEPA/NRTP/OSFM	2023-06-15 16:18	emailed	Report Sent
IEMA Region 3	2023-06-15 16:18	emailed	Report Sent
Grundy County LEPC	2023-06-15 16:18	emailed	Report Sent

Narrative:

Follow-Up Information:

Attachments:

Hazardous Materials Incident Report

Incident #: H-2023-0781
Entered By: Rayburn, Stephanie (IEMA) on 2023-09-19 16:54:02
Data Input Status: Closed
Leaking Underground Storage Tank (LUST): Yes
Used PFAS Chemicals (Firefighting Foam) for Fire Suppression: No

Caller:	John Petrakis
Call Back #:	815-915-6552
Caller Represents:	Channahon Fire Protection District
Hazmat Incident Type:	Leak or spill

INCIDENT LOCATION

Incident Location:	23841 W Anes		
County:	Will	City:	Channahon
Primary IEMA Region:	3	Secondary IEMA Region:	Not Applicable
Full Address:	23841 W Anes, Channahon, IL		
Latitude:	41.45767	Longitude:	-88.19255
Milepost:		Sec:	
Twp.:		Range:	
Area Involved:	Fixed Facility		
Media or medium into which the release occurred:	Ground, Water		

WEATHER INFORMATION

Temp (deg F):	67	Wind Dir/Speed m.p.h:	SE 7 mph

MATERIALS INVOLVED

Material Name:	diesel fuel	Material Type:	Liquid
CHRIS Code:	unknown	CAS #:	unknown
UN/NA #:	unknown		
Is this a 302(a) Extremely Hazardous Substance?	No		
Is this a RCRA Hazardous Waste?	No		
Is this a RCRA regulated facility?	Unknown		
Container Type:	Under ground storage tank	Container Size:	unknown
Amount Released:	approximately 300 gallons	Rate of Release/min:	1 gal per minute
Duration of Release:	approximately 4-5 minutes		
Cause of Release:	suspected overfilling of the tank		
Estimated Spill Extent:	unknown exactly	Spill Extent Units:	

Date/Time Occured:	2023-09-19 16:00
Date/Time Discovered:	2023-09-19 16:00

Number Injured:	0	Where Taken:	N/A
Number Killed:	0	# Evacuated:	0
On Scene Contact:	Fire Captain Jake Ranbich	On Scene Phone #:	815-351-2960
Proper safety precautions to take as a result of the release, including evacuation: Service station has blocked off the lot so nobody can gain access			
Assistance needed from State Agencies: No			
Containment/Cleanup actions and plans: Crew were able to place oil dry on the lot and a spill kit was accessed by the Pilot Store itself			

Responsible Party:	Pilot
Contact Person:	LaQueta Bowers
Callback Phone Number:	815-467-4455
Facility Manager:	unknown
Facility Manager Phone #:	unknown
Street Address:	23841 W Eames St
City:	Channahon State: IL Zip Code: 60410

Emergency Units Contacted	Contacted	On Scene	Agencies Contacted
ESDA			
Fire		√	Channahon Fire Department
Police			
Sheriff			
Other			

AGENCIES OR PERSONS NOTIFIED			
Agency	**Date/Time**	**Name of Person**	**Notification Action**
OSFM IEPA NRPT LEPC	2023-09-19 16:55	emailed	Report Sent
Region 3	2023-09-19 16:55	emailed	Report Sent
IEPA D/O	2023-09-19 16:55	Tony Falconio	Contacted

Narrative:
7280 gallons was pumped into the tank at 3:15pm. It has leaked into a sewer drainage system and believed to possibly be leaking into the Des Plaines River. Caller requests onscene Fire Captain be contacted

Follow-Up Information:

Attachments:

Hazardous Materials Incident Report

Incident #:	**H-2023-0782**
Entered By:	**Rhoades, Walter (IEMA) on 2023-09-20 09:58:11**
Data Input Status:	**Closed**
Leaking Underground Storage Tank (LUST):	**Yes**
Used PFAS Chemicals (Firefighting Foam) for Fire Suppression:	**No**

Caller:	Jamie Bardwell
Call Back #:	224-276-1194
Caller Represents:	Atlas Tech Consultants
Hazmat Incident Type:	Leak or spill

INCIDENT LOCATION

Incident Location:	23841 W Eams		
County:	Will	City:	Channahon
Primary IEMA Region:	3	Secondary IEMA Region:	Not Applicable
Full Address:	23841 W Eams, Channahon, IL		
Latitude:	41.45767	Longitude:	-88.19255
Milepost:	N/A	Sec:	N/A
Twp.:	N/A	Range:	N/A
Area Involved:	Fixed Facility		
Media or medium into which the release occurred:	Ground		

WEATHER INFORMATION

Temp (deg F):	Unknown	Wind Dir/Speed m.p.h:	Unknown

MATERIALS INVOLVED

Material Name:	Diesel	Material Type:	Liquid
CHRIS Code:	Unknown	CAS #:	unknown
UN/NA #:	unknown		
Is this a 302(a) Extremely Hazardous Substance?	No		
Is this a RCRA Hazardous Waste?	No		
Is this a RCRA regulated facility?	No		
Container Type:	Underground	Container Size:	20000
Amount Released:	150 Gallons	Rate of Release/min:	Unknown
Duration of Release:	Unknown		
Cause of Release:	Failed connection between tanks in the pipingand fuel spilled.		

Date/Time Occured:	2023-09-19 17:30
Date/Time Discovered:	(Date/Time Unknown)

Number Injured:	None	Where Taken:	N/A
Number Killed:	None	# Evacuated:	None
On Scene Contact:	Jamie Bardwell	On Scene Phone #:	224-276-1194
Proper safety precautions to take as a result of the release, including evacuation: Fuel lines were shut down			
Assistance needed from State Agencies: None			
Containment/Cleanup actions and plans: Contracted for clean up and clean up is complete. Making repairs to the piping.			

Responsible Party:	Pilot Travel Center
Contact Person:	Mike Chapman
Callback Phone Number:	865-474-3026
Facility Manager:	N/A
Facility Manager Phone #:	N/A
Street Address:	5508 Lonas Drive
City:	Knoxville State: TN Zip Code: 37909

Emergency Units Contacted	Contacted	On Scene	Agencies Contacted
ESDA			None
Fire			None
Police			None
Sheriff			None
Other			None

AGENCIES OR PERSONS NOTIFIED			
Agency	**Date/Time**	**Name of Person**	**Notification Action**
IEPA, NRPT, LEPC, OSFM	2023-09-20 09:58	Emailed	Report Sent
IEMA Region 3	2023-09-20 09:58	Emailed	Report Sent

Narrative:

Follow-Up Information:

Attachments:

Hazardous Materials Incident Report

Incident #:	**H-2023-0947**
Entered By:	**Rhoades, Walter (IEMA) on 2023-11-21 12:16:49**
Data Input Status:	**Closed**
Leaking Underground Storage Tank (LUST):	**No**
Used PFAS Chemicals (Firefighting Foam) for Fire Suppression:	**Yes**

Caller:	Lance Siebert
Call Back #:	815-830-5676
Caller Represents:	Ineos Styro Solution
Hazmat Incident Type:	Leak or spill

INCIDENT LOCATION

Incident Location:	25846 SW Frontage Rd		
County:	Will	City:	Channahon
Primary IEMA Region:	3	Secondary IEMA Region:	Not Applicable
Full Address:	25846 SW Frontage Rd, Channahon, IL		
Latitude:	41.41294	Longitude:	-88.19455
Milepost:	N/A	Sec:	N/A
Twp.:	N/A	Range:	N/A
Area Involved:	Fixed Facility		
Media or medium into which the release occurred:			

WEATHER INFORMATION

Temp (deg F):	Unknown	Wind Dir/Speed m.p.h:	unknown

PFAS Details

Date/Time Occurred:	2023-11-21 10:30		
Location:	25846 SW Frontage Rd	Amount Released:	30 Gallons
Name of Person:	Lance Siebert	Local Incident #:	None
Local Government:	N/A	State Government:	N/A
Fire Department:	N/A	Fire Department ID (FDID):	N/A

Purpose or reason of the discharge or release into the environment:
Spilled during the testing of fire equipment

Containment, treatment, and disposal measures to be taken or used to prevent or minimize the discharge or release of the Class B firefighting foam into the environment:
Cough the substance in buckets and transferred to barrel. Maybe less than 3 galloons went into process plant.

MATERIALS INVOLVED

Material Name:	Ansulite	Material Type:	Liquid
CHRIS Code:	Unknown	CAS #:	112-34-5

Is this a 302(a) Extremely Hazardous Substance?	No		
Is this a RCRA Hazardous Waste?	No		
Is this a RCRA regulated facility?	Yes		
Container Type:	Tank	Container Size:	Unknown
Amount Released:	30 Gallons	Rate of Release/min:	Unknown
Duration of Release:	1-2 Minutes		
Cause of Release:	Spilled during the testing of fire equipment		
Estimated Spill Extent:	144	Spill Extent Units:	Square feet

Date/Time Occured:	2023-11-21 10:30
Date/Time Discovered:	2023-11-21 10:30

Number Injured:	None	Where Taken:	N/A
Number Killed:	None	# Evacuated:	None
On Scene Contact:	Lance Siebert	On Scene Phone #:	815-830-5676
Proper safety precautions to take as a result of the release, including evacuation: None			
Assistance needed from State Agencies: None			
Containment/Cleanup actions and plans: Cough the substance in buckets and transferred to barrel.			

Responsible Party:	Ineos Styro Solution
Contact Person:	Lance Siebert
Callback Phone Number:	815-830-5676
Facility Manager:	N/A
Facility Manager Phone #:	N/A
Street Address:	25846 SW Frontage Rd
City:	Channahon State: IL Zip Code: 60410

Emergency Units Contacted	Contacted	On Scene	Agencies Contacted
ESDA			None
Fire			None
Police			None
Sheriff			None
Other			None

AGENCIES OR PERSONS NOTIFIED			
Agency	**Date/Time**	**Name of Person**	**Notification Action**
IEPA, NRPT, LEPC, OSFM	2023-11-21 12:16	Emailed	Report Sent
IEMA Region 3	2023-11-21 12:16	Emailed	Report Sent

Narrative:
30 Gallons is an estimate during quarterly testing

Follow-Up Information:

Attachments:

Hazardous Materials Incident Report

Incident #:	**H-2024-0205**
Entered By:	**Rhoades, Walter (IEMA) on 2024-03-13 09:20:09**
Data Input Status:	**Closed**
Leaking Underground Storage Tank (LUST):	**No**
Used PFAS Chemicals (Firefighting Foam) for Fire Suppression:	**Yes**

Caller:	Jeff Tupper
Call Back #:	815-467-6767
Caller Represents:	Channahon Fire District
Hazmat Incident Type:	Leak or spill

INCIDENT LOCATION

Incident Location:	South Frontage rd and Shepley Rd		
County:	Will	City:	Channahon
Primary IEMA Region:	3	Secondary IEMA Region:	Not Applicable
Full Address:	South Frontage rd and Shepley Rd , Channahon, IL		
Latitude:	41.46871	Longitude:	-88.19731
Milepost:	N/A	Sec:	N/A
Twp.:	N/A	Range:	N/A
Area Involved:	Highway		
Media or medium into which the release occurred:	Ground		

WEATHER INFORMATION

Temp (deg F):	Unknown	Wind Dir/Speed m.p.h:	unknown

PFAS Details

Date/Time Occurred:	2024-03-12 14:12		
Location:	South Frontage rRdand Shepley Rd	Amount Released:	5-10 Gallons
Name of Person:	Jeff Tupper	Local Incident #:	24-0393
Local Government:	Channahon Fire District	State Government:	
Fire Department:	Channahon Fire District	Fire Department ID (FDID):	WG134

Purpose or reason of the discharge or release into the environment:
Truck Fire

Containment, treatment, and disposal measures to be taken or used to prevent or minimize the discharge or release of the Class B firefighting foam into the environment:
Recovery company provided absorbents

MATERIALS INVOLVED

Material Name:	Chem Guard 3x3 non florinated	Material Type:	Liquid
CHRIS Code:	Unknown	CAS #:	Unknown
UN/NA #:	Unknown		

Is this a 302(a) Extremely Hazardous Substance?	No		
Is this a RCRA Hazardous Waste?	No		
Is this a RCRA regulated facility?	Unknown		
Container Type:	On board Tank	Container Size:	30 Gallons
Amount Released:	5-10 Gallons	Rate of Release/min:	Unknown
Duration of Release:	Unknown		
Cause of Release:	Truck Fire		
Estimated Spill Extent:	Unknown	Spill Extent Units:	

Date/Time Occured:	2024-03-12 14:12
Date/Time Discovered:	2024-03-12 14:12

Number Injured:	None	Where Taken:	N/A
Number Killed:	None	# Evacuated:	None
On Scene Contact:	Jeff Tupper	On Scene Phone #:	815-467-6767
Proper safety precautions to take as a result of the release, including evacuation: Recovery company provided absorbents			
Assistance needed from State Agencies: None			
Containment/Cleanup actions and plans: Contracted for clean-up through he tow company			

Responsible Party:	AG Expended INC
Contact Person:	Unknown
Callback Phone Number:	630-506-1048
Facility Manager:	N/A
Facility Manager Phone #:	N/A
Street Address:	16W470 Lake Drive Apt 6
City:	Willowbrook State: IL Zip Code: 60527

Emergency Units Contacted	Contacted	On Scene	Agencies Contacted
ESDA			None
Fire	√	√	Channahon
Police	√	√	Channahion
Sheriff			None
Other			None

AGENCIES OR PERSONS NOTIFIED			
Agency	**Date/Time**	**Name of Person**	**Notification Action**
IEPA, NRPT, LEPC, OSFM	2024-03-13 09:20	Emailed	Report Sent
IEMA Region 3, ISP, IDOT	2024-03-13 09:20	Emailed	Report Sent

Narrative:

Follow-Up Information:

Attachments:

Channahon Fire Protection District
24929 S. CENTER STREET
Channahon, IL 60410
815 467 6767

Incident Report
2023-2301159 -000

Printed: 09/21/2023 09:51:24
Number of Pages: 3

Basic	
Alarm Date and Time	15:57:21 Tuesday, September 19, 2023
Arrival Time	16:03:17
Controlled Date and Time	
Last Unit Cleared Date and Time	17:46:20 Tuesday, September 19, 2023
Response Time	0:05:56
Turnout Time	0:00:03
Priority Response	Yes
Completed	Yes
Fire Department Station	S1
Shift	R
Incident Type	400 - Hazardous condition, other
Aid Given or Received	1 - Mutual aid received
Mutual Aid Department	WG394-Troy FPD
Alarms	1
Action Taken 1	43 - Hazardous materials spill control and confinement
Casualties	No
Apparatus - Suppression	3
Personnel - Suppression Personnel	5
Hazardous Material Released	5 - Diesel fuel/fuel oil - vehicle fuel tank/portable
Property Use	571 - Service station, gas station
Location Type	Address
Address	23841 W EAMES ST
City, State Zip	CHANNAHON, IL 60410
District	042H
Directions	23841 W EAMES ST
Latitude	41.4573
Longitude	-88.192
Map Page	CH-11-

Situation	
Initial Dispatch Code	WASHF
Final Dispatch Code	WASHF
Response Type	STILL - Still Alarm

Person Involved - Bowers, LaQueta	
Occupies Property	Yes
Involvement Code	MGR
Last Name	Bowers
First Name	LaQueta
Business Name	Pilot Store # 473
Street Address	23841 W EAMES ST
City, State Zip	CHANNAHON, IL 60410
Phone	8154674455

Apparatus - 421	
Apparatus ID	421
Response Time	0:04:44
Turnout Time	0:00:03

Apparatus - 421	
Apparatus Dispatch Date and Time	15:58:33 Tuesday, September 19, 2023
En route to scene date and time	15:58:36 Tuesday, September 19, 2023
Apparatus Arrival Date and Time	16:03:17 Tuesday, September 19, 2023
Apparatus Clear Date and Time	17:46:20 Tuesday, September 19, 2023
Apparatus priority response	Yes
Number of People	2
Apparatus Use	Suppression
Apparatus Type	11 - Engine
First Arriving Unit	Yes
Personnel 1	4143 - Hartman, Jason
	Position: LT
Personnel 2	4181 - Highbaugh, Andrew
	Position: FF/PARA

Apparatus - 411	
Apparatus ID	411
Response Time	0:03:55
Turnout Time	0:00:08
Apparatus Dispatch Date and Time	16:18:49 Tuesday, September 19, 2023
En route to scene date and time	16:18:57 Tuesday, September 19, 2023
Apparatus Arrival Date and Time	16:22:44 Tuesday, September 19, 2023
Apparatus Clear Date and Time	17:22:24 Tuesday, September 19, 2023
Apparatus priority response	Yes
Number of People	2
Apparatus Use	Suppression
Apparatus Type	11 - Engine
Personnel 1	4038 - Randich, Jacob
	Position: CAPT
Personnel 2	4123 - Grubisich, Dan
	Position: FF/PARA

Apparatus - 401	
Apparatus ID	401
Response Time	0:08:19
Turnout Time	0:00:06
Apparatus Dispatch Date and Time	16:23:43 Tuesday, September 19, 2023
En route to scene date and time	16:23:49 Tuesday, September 19, 2023
Apparatus Arrival Date and Time	16:32:02 Tuesday, September 19, 2023
Apparatus Clear Date and Time	17:31:52 Tuesday, September 19, 2023
Apparatus priority response	Yes
Number of People	1
Apparatus Use	Suppression
Apparatus Type	92 - Chief officer car
Personnel 1	4145 - Petrakis, John
	Position: CHIEF

Authority	
Reported By	4038 - Randich, Jacob

Channahon Fire Protection District
24929 S. CENTER STREET
Channahon, IL 60410
815 467 6767

Incident Report
2023-2301159 -000

Printed: 09/21/2023 09:51:24
Number of Pages: 3

Authority

	19:43:52 Tuesday, September 19, 2023
Officer In Charge	4145 - Petrakis, John
	19:43:56 Tuesday, September 19, 2023
Reviewer	- ,

Narratives

Narrative Name	Incident Narrative
Narrative Type	Incident
Narrative Date	19:19:36 Tuesday, September 19, 2023
Author	4038 - Randich, Jacob
Author Rank	CAPT
Author Assignment	1
Narrative Text	(19:42:18 Tuesday, September 19, 2023) 421 responded to the address to assist the business with the diesel fuel spill, 421 arrived on scene and found that approximately 300 gallons of fuel was over flowing from an underground storage tank. At this time an employee from the business pushed the emergency fuel shut off and the fuel stopped overflowing from the tank. 421 assessed the spill that was on the ground. At this time the spill appeared to be confined to the parking lot, 421 noticed that a waterway drain was in the flow path of the spill. 421 requested the business spill kit and was told that they didn't have one. 421 requested 411, 401, 2216 to the scene to assist with confinement. 421 then began to attempt to stop the flow from entering waterway drain using oil dry from 421. upon arrival of 411, 401, 2216 421 was then given the spill kit provided by the business. spill kit contained multiple bags of oil dry and multiply lengths of absorbent boom. 421 and 411 used the provided products to stop the flow path from entering the waterway drain, it is estimated that 50 gallons of fuel entered waterway drain. 2216 was released from the he scene. 401 conducted an assessment of the parking lot and spoke with employees from the business. 401 contacted IEMA, Stephanie Rayburn and was issued # H20230781. jrandich

End of Report

Stormwater Outfall Inspection Data Form

Section 1: Background Data

Subwatershed: Quarry Subdivision	Outfall ID: 1	
Date: 8-23-23	Time (Military): 7:48	
Temperature: 78°	Inspector(s): GORDON / RANDY	
Previous 48 Hours Precipitation: 0	Photo's Taken (Y/N): Y	If yes, Photo Numbers:

Land Use in Drainage Area (Check all that apply):

- ☐ Industrial
- ☑ Residential
- ☐ Commercial
- ☐ Open Space
- ☐ Institutional
- Other: _____
- Known Industries: _____

Section 2: Outfall Description

LOCATION	MATERIAL	SHAPE		DIMENSIONS (IN.)	SUBMERGED
Storm Sewer (Closed Pipe)	☑ RCP ☐ CMP ☐ PVC ☐ HDPE ☐ Steel ☐ Clay / draintile ☐ Other: _____	☑ Circular ☐ Elliptical ☐ Box ☐ Other: ____	☑ Single ☐ Double ☐ Triple ☐ Other: ____	Diameter/Dimensions: 12"	In Water: ☑ No ☐ Partially ☐ Fully With Sediment: ☑ No ☐ Partially ☐ Fully
Open drainage (swale/ditch)	☐ Concrete ☐ Earthen ☐ rip-rap ☐ Other:	☐ Trapezoid ☐ Parabolic ☐ Other:		Depth: Top Width: Bottom Width:	

Section 3: Physical Indicators

INDICATOR	CHECK if Present	DESCRIPTION	COMMENTS
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Peeling Paint ☐ Corrosion	
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other:	
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited	
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other:	
Pipe algea/growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other:	
Do physical indictors suggest an illicit discharge is present (Y/N): N			

Flow Present?	☐ Yes ☑ No	**If No, Skip to Section 7 and Close Illicit Discharge Investigation**
Flow Description	☐ Trickle ☐ Moderate ☐ Substantial	

Section 4: Physical Indicators (Flowing Outfalls Only)

INDICATOR	CHECK if Present	DESCRIPTION	RELATIVE SEVERITY INDEX (1-3)		
Odor	☐	☐ Sewage ☐ Rancid/sour ☐ Sulfide ☐ Petroleum/gas ☐ Laundry ☐ Other:	☐ 1–Faint	☐ 2 – Easily detected	☐ 3 – Noticeable from a distance
Color (color chart)	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange/Red ☐ Multi-Color ☐ Other:	☐ 1–Faint colors in sample bottle	☐ 2 – Clearly visible in sample bottle	☐ 3 – Clearly visible in outfall flow
Turbidity	☐	See severity	☐ 1–Slight cloudiness	☐ 2 – Cloudy	☐ 3 – Opaque
Floatables -Does Not Include Trash!!	☐	☐ Sewage ☐ Grease ☐ Petroleum (oil sheen) ☐ Suds and Foam ☐ Other:	☐ 1–Few/slight; origin not obvious	☐ 2 – Some; indications of origin	☐ 3 - Some; origin clear
Do physical indictors (flowing) suggest an illicit discharge is present (Y/N):					

Section 5: On-Site Sampling / Testing (Flowing Outfalls Only)

PARAMETER	RESULT	ACCEPTABLE RANGE	WITHIN RANGE (Y/N)	EQUIPMENT
Temperature		NA	NA	Thermometer
pH		6 – 9		5-in-1 Test Strip
Ammonia		<3 mg/L April – Oct < 8 mg/L Nov - March		Test Strip
Free Chlorine		NA	NA	5-in-1 Test Strip
Total Chlorine		< 0.05 mg/L		5-in-1 Test Strip
Phenols		< 0.1mg/L		Test Kit
Detergents as Surfactants		> 0.25 mg/L residential > 5 mg/L non-residential		Test Kit
Copper		<0.025 mg/L		Test Strip
Alkalinity		NA	NA	5-in-1 Test Strip
Hardness		NA	NA	5-in-1 Test Strip
Sample Location				

(Note NA values used for future tracing procedures)

Section 6: Data Collection for Lab Testing (see flow chart)

1. Sample for the lab?	☐ Yes	☐ No
2. If yes, collected from:	☐ Flow	☐ Pool

PARAMETER	RESULT (from lab)	ACCEPTABLE RANGE	WITHIN RANGE (Y/N)
Fecal Coliform		400 per 100 mL	
Flouride		0.6 mg/l	
Potassium		Ammonium/Potassium ratio or > 20mg/l	

*note label sample with outfall number

Section 7: Any Non-Illicit Discharge Concerns (e.g., trash or needed infrastructure repairs)?

-GRATE MISSING- Note Replaced 8/28/23 Gordon

VILLAGE OF
CHANNAHON
24555 S. NAVAJO DRIVE • CHANNAHON, ILLINOIS 60410
(815) 467-6644 • FAX (815) 467-9774 • www.channahon.org

Useful Contact Information		
Village of Channahon	24555 S. Navajo Dr. 8:30am - 5:00pm Monday - Friday	815-467-6644
Channahon Police Dept. *North Entrance*	Police Department – Administration Police Department – Non-Emergency IN AN EMERGENCY CALL 911	815-467-5152 815-467-2112 911
Building Department	Permits, Inspections & Contractor Registration	815-467-8303
Refuse/Garbage Totes & Service Inquiries	Environmental Recycling & Disposal	815-725-4555 or 877-323-2222
Refuse/Garbage Billing Related Questions	Village of Channahon – Finance Department	815-467-6644
Channahon Assessor	Open Monday – Thursday 9:00am – 1:00pm	815-467-2831
Animal Control	Will County Animal Control	815-462-5633
Cable TV or other	Comcast Cable AT&T /U-verse	866-594-1234 855-530-9827
Electric Constellation Energy	ComEd Rate of 7.517/kWH thru Oct 2021	800-334-7661 844-252-4216
Gas	Nicor Gas	888-642-6748
J.U.L.I.E. Before you dig!	Dial "811" or	800-892-0123
Three Rivers Library	25207 Channon Drive	815-467-6200
Channahon Park District Heritage Bluffs Golf Course	24856 W Eames Street 24355 W Bluff Road	815-467-7275 815-467-7888
Channahon Post Office	25150 Channon Drive	815-467-5488
Schools	Channahon School District #17 Minooka School District #201 Minooka Community High School#111	815-467-4315 815-467-6121 815-467-2557
Telephone Services	Wide service coverage is provided by AT&T	800-288-2020
Township	Channahon Township (Compactor)	815-467-2569
Will County Forest Preserve	Four Rivers Environmental	815-722-9470
Health Department	Will County Health Department	815-727-8490

Thank you, we look forward to servicing you!

Discover Channahon...a beautiful place to live, work and do business.

Updated May 12, 2020

08/21/2023

Dear Channahon Residents,

The Village of Channahon is aware of the odor that has been in the area from Nouryon. The smell has been in our area for many years but has been more noticeable as of late. Per discussion with Nouryon Management, they have been working on lessening the smell. They are currently cleaning their waste treatment ponds and during this process, the odor may be stronger than normal for a while. We will continue to communicate with Nouryon on progress being made to lessen the odor.

If you have any questions or concerns, please call 815-467-8312 and leave me a message and I will contact you as soon as possible.

John Grimmenga

Director- Channahon Emergency Management

John Grimmenga <jgrimmenga@channahon.org>

[External Sender] Online Form Submittal: Odor Complaint Form

6 messages

noreply@civicplus.com <noreply@civicplus.com> Wed, Aug 16, 2023 at 3:53 AM
To: jgrimmenga@channahon.org

Odor Complaint Form

Channahon Ambient Air Odor Complaint Form

Date	8/16/2023
Name	Jennifer Propp
Address	1106 S. Wabena Avenue
Subdivision	Prairie Ridge
City	Minooka
Time Odor was Noticed by Complainant	3:45 am
Was Odor Noticed Before?	Yes
If yes, when?	On and off for years
Duration of Odor	Is still going on/has not gone away
Description of Odor	Strong fishy smell

Unless you consent to its release, the Channahon Emergency Management Agency (EMA) will regard your identity within the complaint form as exempt from disclosure under the Freedom of Information Act and regulations. However, your identity may be discovered if there is any lawsuit about the source of the odor that is the subject of your complaint.

John Grimmenga <jgrimmenga@channahon.org>

[External Sender] Online Form Submittal: Odor Complaint Form

2 messages

noreply@civicplus.com <noreply@civicplus.com>
To: jgrimmenga@channahon.org

Tue, Aug 22, 2023 at 6:22 PM

Odor Complaint Form

Channahon Ambient Air Odor Complaint Form

Date	8/22/2023
Name	Stephanie Coffey
Address	St Ann's church
Subdivision	St Ann's church
City	Channahon
Time Odor was Noticed by Complainant	620pm
Was Odor Noticed Before?	Yes
If yes, when?	*Field not completed.*
Duration of Odor	A hour
Description of Odor	Sewage and sulfur mixed in a bag

Unless you consent to its release, the Channahon Emergency Management Agency (EMA) will regard your identity within the complaint form as exempt from disclosure under the Freedom of Information Act and regulations. However, your identity may be discovered if there is any lawsuit about the source of the odor that is the subject of your complaint.

Do you consent to Channahon EMA disclosing your identity as a complaining party?	Yes

Email not displaying correctly? View it in your browser.

John Grimmenga <jgrimmenga@channahon.org> Wed, Aug 23, 2023 at 7:02 PM
To: Scott Drummond <scott.drummond@nouryon.com>

[Quoted text hidden]

TO: **Tom Carroll, PE, Geotech, Inc.; John Major, Core Homes**

FROM: **Karen A. James, Planner**

CC: **Michael C. Petrick, Director of Community Development & Information Systems; Ed Dolezal, Director of Public Works; Gabriel Zavala, Engineering Technician; Anthony Spinelli, Strand Associates, Inc.; Kevin Fricke, Assistant Director of Public Works; Kirk Wilkins, Chief Building Official; Stephen VanDeveer, Thomas Engineering Group, LLC**

DATE: **March 28, 2023**

SUBJECT: **Villas of Keating Pointe Phase 5 – Final Engineering Approval**

The Village of Channahon has reviewed the revised engineering documents with last revision date of March 23, 2023.

The village considers *IMPROVEMENT PLANS FOR VILLAS OF KEATING POINTE PHASE 5* in substantial conformance with Village engineering requirements. Please provide the following with Engineer and NPDES Inspector Certifications signed and/or stamped where applicable:

- Two (2) complete full-size final engineering plan sets;
- Four (4) 11x17 final engineering plan sets;
- One (1) electronic file sharing or USB drive with:
  - Complete final engineering plan set in Adobe pdf format;
  - Complete Stormwater Management Plan with exhibits;
  - Complete CAD drawings.
- Final Plat of Subdivision Mylar and Copies, each with all signatures except the Village's and the County Recorder, to the Village for recording
  - One (1) full-size mylar original
  - One (1) full-size paper copy
  - If the developer or engineer require a hard copy of the recorded plat, please provide such copies in addition to the above. A digital copy of the recorded plat can be provided by staff upon request.
- Plat of Vacation (Roadway) copies for Three Gables Drive right-of-way vacation, each with all signatures except the Village's, to the Village for recording:
  - Two (2) full-size paper originals
  - If the developer or engineer require a hard copy of the recorded Plat of Easement, please provide such copies in addition to the above. A digital copy of the recorded plat can be provided by staff upon request.
- Plat of Easement copies for off-site drainage easement on Lot 12 in Rivers Plaza Unit 1, each with all signatures except the Village's, to the Village for recording:
  - Two (2) full-size paper originals
  - If the developer or engineer require a hard copy of the recorded Plat of Easement, please provide such copies in addition to the above. A digital copy of the recorded plat can be provided by staff upon request.

24555 S. NAVAJO DRIVE, CHANNAHON, IL 60410 • WWW.CHANNAHON.ORG • PHONE: (815) 467-6644 • FAX: (815) 467-9774

- Improvements Completion Guarantee in the amount of $1,301,420.00, provided under separate cover. Village approved acceptable templates are attached, please do not alter the language of the template.
- A pre-construction meeting and receipt of all items by the village are required prior to commencement of any earth disturbing activities. All contractors are required to be registered with the village.
- The NPDES Permit Inspector Certification, Contractor Certification, and Owner Certification on the Storm Water Pollution Prevention Plan must be signed and provided to the Village prior to commencement of any construction activities.

24555 S. NAVAJO DRIVE, CHANNAHON, IL 60410 • WWW.CHANNAHON.ORG • PHONE: (815) 467-6644 • FAX: (815) 467-9774

STATE OF ILLINOIS

OFFICE OF THE ILLINOIS STATE FIRE MARSHAL
DIVISION OF PERSONNEL STANDARDS AND EDUCATION

hereby certifies

John G Petrakis

as

Hazardous Materials Incident Command

for having successfully demonstrated the ability to meet
the standards and requirements of
the Office of the Illinois State Fire Marshal,
Division of Personnel Standards and Education
and the
National Fire Protection Association Standard 472.

In witness whereof this Certificate is Awarded

October 01, 2001

Ernest E. Russell
Fire Marshal

Sandra A. Hill
Division Manager

STATE OF ILLINOIS

OFFICE OF THE ILLINOIS STATE FIRE MARSHAL
DIVISION OF PERSONNEL STANDARDS AND EDUCATION

hereby certifies

Jeffrey S. Toepper

as

Hazardous Materials Incident Command

for having successfully demonstrated the ability to meet
the standards and requirements of
the Office of the Illinois State Fire Marshal,
Division of Personnel Standards and Education
and the
National Fire Protection Association Standard 472.

In witness whereof this Certificate is Awarded

December 15, 2005

Fire Marshal

Division Manager

STATE OF ILLINOIS

OFFICE OF THE ILLINOIS STATE FIRE MARSHAL
DIVISION OF PERSONNEL STANDARDS AND EDUCATION

hereby certifies

David Micheal Blanton

as

Hazardous Materials Operations

for having successfully demonstrated the ability to meet
the standards and requirements of
the Office of the Illinois State Fire Marshal,
Division of Personnel Standards and Education
and the
National Fire Protection Association Standard 472.

In witness whereof this Certificate is Awarded

February 07, 2020

February 07, 2020	December 31, 2025
Certification Date	Recertification Due Date

Fire Marshal	Division Manager

STATE OF ILLINOIS

OFFICE OF THE ILLINOIS STATE FIRE MARSHAL
DIVISION OF PERSONNEL STANDARDS AND EDUCATION

hereby certifies

Matt Bowles

as

Hazardous Materials Operations

for having successfully demonstrated the ability to meet
the standards and requirements of
the Office of the Illinois State Fire Marshal,
Division of Personnel Standards and Education
and the
National Fire Protection Association Standard 472.

In witness whereof this Certificate is Awarded

October 28, 2012

October 28, 2012	December 31, 2025
Certification Date	Recertification Due Date

Fire Marshal

Division Manager

STATE OF ILLINOIS

OFFICE OF THE ILLINOIS STATE FIRE MARSHAL
DIVISION OF PERSONNEL STANDARDS AND EDUCATION

hereby certifies

Zachary Carpenter

as

Hazardous Materials Operations

for having successfully demonstrated the ability to meet
the standards and requirements of
the Office of the Illinois State Fire Marshal,
Division of Personnel Standards and Education
and the
National Fire Protection Association Standard 472.

In witness whereof this Certificate is Awarded

August 16, 2020

August 16, 2020	December 31, 2025
Certification Date	Recertification Due Date

Fire Marshal

Mitzi S. Woodson

Division Manager

STATE OF ILLINOIS

OFFICE OF THE ILLINOIS STATE FIRE MARSHAL
DIVISION OF PERSONNEL STANDARDS AND EDUCATION

hereby certifies

Noah Ciarlette

as

Hazardous Materials Operations

for having successfully demonstrated the ability to meet
the standards and requirements of
the Office of the Illinois State Fire Marshal,
Division of Personnel Standards and Education
and the
National Fire Protection Association Standard 472.

In witness whereof this Certificate is Awarded

November 25, 2019

November 25, 2019	December 31, 2025
Certification Date	Recertification Due Date

Fire Marshal

Division Manager

STATE OF ILLINOIS

OFFICE OF THE ILLINOIS STATE FIRE MARSHAL
DIVISION OF PERSONNEL STANDARDS AND EDUCATION

hereby certifies

Nathan S Dikun

as

Hazardous Materials Operations

for having successfully demonstrated the ability to meet
the standards and requirements of
the Office of the Illinois State Fire Marshal,
Division of Personnel Standards and Education
and the
National Fire Protection Association Standard 472.

In witness whereof this Certificate is Awarded

February 11, 2016

February 11, 2016	December 31, 2025
Certification Date	Recertification Due Date

Fire Marshal

Division Manager

STATE OF ILLINOIS

OFFICE OF THE ILLINOIS STATE FIRE MARSHAL
DIVISION OF PERSONNEL STANDARDS AND EDUCATION

hereby certifies

Brennan C Dircks

as

Hazardous Materials Operations

for having successfully demonstrated the ability to meet
the standards and requirements of
the Office of the Illinois State Fire Marshal,
Division of Personnel Standards and Education
and the
National Fire Protection Association Standard 472.

In witness whereof this Certificate is Awarded

June 19, 2011

June 19, 2011	December 31, 2025
Certification Date	Recertification Due Date

Fire Marshal

Division Manager

STATE OF ILLINOIS

OFFICE OF THE ILLINOIS STATE FIRE MARSHAL
DIVISION OF PERSONNEL STANDARDS AND EDUCATION

hereby certifies

Shelby Fals

as

Hazardous Materials Operations

for having successfully demonstrated the ability to meet
the standards and requirements of
the Office of the Illinois State Fire Marshal,
Division of Personnel Standards and Education
and the
National Fire Protection Association Standard 472.

In witness whereof this Certificate is Awarded

November 18, 2016

November 18, 2016	December 31, 2025
Certification Date	Recertification Due Date

Fire Marshal	Division Manager

STATE OF ILLINOIS

OFFICE OF THE ILLINOIS STATE FIRE MARSHAL
DIVISION OF PERSONNEL STANDARDS AND EDUCATION

hereby certifies

Danial Grubisich

as

Hazardous Materials Operations

for having successfully demonstrated the ability to meet
the standards and requirements of
the Office of the Illinois State Fire Marshal,
Division of Personnel Standards and Education
and the
National Fire Protection Association Standard 472.

In witness whereof this Certificate is Awarded

September 20, 2009

September 20, 2009	December 31, 2025
Certification Date	Recertification Due Date

David B. Foreman

Fire Marshal

Mitzi S. Woodson

Division Manager

STATE OF ILLINOIS

OFFICE OF THE ILLINOIS STATE FIRE MARSHAL
DIVISION OF PERSONNEL STANDARDS AND EDUCATION

hereby certifies

Michael Paul Hammerstein

as

Hazardous Materials Operations

for having successfully demonstrated the ability to meet
the standards and requirements of
the Office of the Illinois State Fire Marshal,
Division of Personnel Standards and Education
and the
National Fire Protection Association Standard 472.

In witness whereof this Certificate is Awarded

August 01, 2011

August 01, 2011	December 31, 2025
Certification Date	Recertification Due Date

Fire Marshal

Division Manager

STATE OF ILLINOIS

OFFICE OF THE ILLINOIS STATE FIRE MARSHAL
DIVISION OF PERSONNEL STANDARDS AND EDUCATION

hereby certifies

Jason Scott Hartman

as

Hazardous Materials Operations

for having successfully demonstrated the ability to meet
the standards and requirements of
the Office of the Illinois State Fire Marshal,
Division of Personnel Standards and Education
and the
National Fire Protection Association Standard 472.

In witness whereof this Certificate is Awarded

August 18, 2013

August 18, 2013	December 31, 2025
Certification Date	Recertification Due Date

Fire Marshal

Division Manager

STATE OF ILLINOIS

OFFICE OF THE ILLINOIS STATE FIRE MARSHAL
DIVISION OF PERSONNEL STANDARDS AND EDUCATION

hereby certifies

Andrew Highbaugh

as

Hazardous Materials Operations

for having successfully demonstrated the ability to meet
the standards and requirements of
the Office of the Illinois State Fire Marshal,
Division of Personnel Standards and Education
and the
National Fire Protection Association Standard 472.

In witness whereof this Certificate is Awarded

June 10, 2020

June 10, 2020	December 31, 2025
Certification Date	Recertification Due Date

Fire Marshal

Mitzi S. Woodson

Division Manager

STATE OF ILLINOIS

OFFICE OF THE ILLINOIS STATE FIRE MARSHAL
DIVISION OF PERSONNEL STANDARDS AND EDUCATION

hereby certifies

Jeffrey M Kazak

as

Hazardous Materials Operations

for having successfully demonstrated the ability to meet
the standards and requirements of
the Office of the Illinois State Fire Marshal,
Division of Personnel Standards and Education
and the
National Fire Protection Association Standard 472.

In witness whereof this Certificate is Awarded

September 16, 2017

September 16, 2017	December 31, 2025
Certification Date	Recertification Due Date

Fire Marshal

Mitzi S. Woodson

Division Manager

STATE OF ILLINOIS

OFFICE OF THE ILLINOIS STATE FIRE MARSHAL
DIVISION OF PERSONNEL STANDARDS AND EDUCATION

hereby certifies

Allen Koranda Jr.

as

Hazardous Materials Operations

for having successfully demonstrated the ability to meet
the standards and requirements of
the Office of the Illinois State Fire Marshal,
Division of Personnel Standards and Education
and the
National Fire Protection Association Standard 472.

In witness whereof this Certificate is Awarded

October 31, 2006

October 31, 2006
Certification Date

December 31, 2025
Recertification Due Date

Fire Marshal

Division Manager

STATE OF ILLINOIS

OFFICE OF THE ILLINOIS STATE FIRE MARSHAL
DIVISION OF PERSONNEL STANDARDS AND EDUCATION

hereby certifies

Brian McMillin

as

Hazardous Materials Operations

for having successfully demonstrated the ability to meet
the standards and requirements of
the Office of the Illinois State Fire Marshal,
Division of Personnel Standards and Education
and the
National Fire Protection Association Standard 472.

In witness whereof this Certificate is Awarded

August 08, 2005

August 08, 2005	December 31, 2025
Certification Date	Recertification Due Date

Fire Marshal

Division Manager

STATE OF ILLINOIS

OFFICE OF THE ILLINOIS STATE FIRE MARSHAL
DIVISION OF PERSONNEL STANDARDS AND EDUCATION

hereby certifies

Terrence O'Hern

as

Hazardous Materials Operations

for having successfully demonstrated the ability to meet
the standards and requirements of
the Office of the Illinois State Fire Marshal,
Division of Personnel Standards and Education
and the
National Fire Protection Association Standard 472.

In witness whereof this Certificate is Awarded

October 24, 2010

October 24, 2010	December 31, 2025
Certification Date	Recertification Due Date

Fire Marshal

Division Manager

STATE OF ILLINOIS

OFFICE OF THE ILLINOIS STATE FIRE MARSHAL
DIVISION OF PERSONNEL STANDARDS AND EDUCATION

hereby certifies

John G Petrakis

as

Hazardous Materials Operations

for having successfully demonstrated the ability to meet
the standards and requirements of
the Office of the Illinois State Fire Marshal,
Division of Personnel Standards and Education
and the
National Fire Protection Association Standard 472.

In witness whereof this Certificate is Awarded

December 07, 2000

December 07, 2000	December 31, 2025
Certification Date	Recertification Due Date

Thomas J. Armstead
Fire Marshal

Sandra A. Hill
Division Manager

STATE OF ILLINOIS

OFFICE OF THE ILLINOIS STATE FIRE MARSHAL
DIVISION OF PERSONNEL STANDARDS AND EDUCATION

hereby certifies

Dillon J Pierce

as

Hazardous Materials Operations

for having successfully demonstrated the ability to meet
the standards and requirements of
the Office of the Illinois State Fire Marshal,
Division of Personnel Standards and Education
and the
National Fire Protection Association Standard 472.

In witness whereof this Certificate is Awarded

November 23, 2015

November 23, 2015	December 31, 2025
Certification Date	Recertification Due Date

Fire Marshal

Division Manager

STATE OF ILLINOIS

OFFICE OF THE ILLINOIS STATE FIRE MARSHAL
DIVISION OF PERSONNEL STANDARDS AND EDUCATION

hereby certifies

Jacob Randich

as

Hazardous Materials Operations

for having successfully demonstrated the ability to meet
the standards and requirements of
the Office of the Illinois State Fire Marshal,
Division of Personnel Standards and Education
and the
National Fire Protection Association Standard 472.

In witness whereof this Certificate is Awarded

May 07, 2004

May 07, 2004	December 31, 2025
Certification Date	Recertification Due Date

Acting Fire Marshal

Division Manager

STATE OF ILLINOIS

OFFICE OF THE ILLINOIS STATE FIRE MARSHAL
DIVISION OF PERSONNEL STANDARDS AND EDUCATION

hereby certifies

Scott Schneider

as

Hazardous Materials Operations

for having successfully demonstrated the ability to meet
the standards and requirements of
the Office of the Illinois State Fire Marshal,
Division of Personnel Standards and Education
and the
National Fire Protection Association Standard 472.

In witness whereof this Certificate is Awarded

September 12, 2013

September 12, 2013	December 31, 2025
Certification Date	Recertification Due Date

Fire Marshal

Division Manager

STATE OF ILLINOIS

OFFICE OF THE ILLINOIS STATE FIRE MARSHAL
DIVISION OF PERSONNEL STANDARDS AND EDUCATION

hereby certifies

Jessica Schumacher

as

Hazardous Materials Operations

for having successfully demonstrated the ability to meet
the standards and requirements of
the Office of the Illinois State Fire Marshal,
Division of Personnel Standards and Education
and the
National Fire Protection Association Standard 472.

In witness whereof this Certificate is Awarded

October 13, 2021

October 13, 2021	December 31, 2025
Certification Date	Recertification Due Date

Fire Marshal

Division Manager

STATE OF ILLINOIS

OFFICE OF THE ILLINOIS STATE FIRE MARSHAL
DIVISION OF PERSONNEL STANDARDS AND EDUCATION

hereby certifies

Matthew J. Skole

as

Hazardous Materials Operations

for having successfully demonstrated the ability to meet
the standards and requirements of
the Office of the Illinois State Fire Marshal,
Division of Personnel Standards and Education
and the
National Fire Protection Association Standard 472.

In witness whereof this Certificate is Awarded

March 12, 2004

March 12, 2004	December 31, 2025
Certification Date	Recertification Due Date

Acting Fire Marshal

Division Manager

STATE OF ILLINOIS

OFFICE OF THE ILLINOIS STATE FIRE MARSHAL
DIVISION OF PERSONNEL STANDARDS AND EDUCATION

hereby certifies

Jeffrey S. Toepper

as

Hazardous Materials Operations

for having successfully demonstrated the ability to meet
the standards and requirements of
the Office of the Illinois State Fire Marshal,
Division of Personnel Standards and Education
and the
National Fire Protection Association Standard 472.

In witness whereof this Certificate is Awarded

May 17, 1990

May 17, 1990	December 31, 2025
Certification Date	Recertification Due Date

Thomas Bestudik
Fire Marshal

Glenna J Senger
Division Manager

2023 Hazardous Materials

Type:
Completions - Aggregated
Run Date:
Dec 7, 2023 12:52 PM
Shared with:
Not Shared
Filters:
Number of Activities: 3
Number of Courses: 12
Users: 21 selected
Type: All Assignments
Completion Date Range: From 01/01/2023 To 12/31/2023
User Status: Active, Offline

First Name	Last Name	Employee ID	Completions	Duration (hours)
David	Blanton	4196	4	8
Matt	Bowles	4152	3	6
Zachary	Carpenter	4192	3	6
Noah	Ciarlette	4193	2	4
Nathan	Dikun	4171	4	8
Brennan	Dircks	4159	4	8
Shelby	Fals	4190	3	6
Danial	Grubisich	4123	3	6
Michael	Hammerstein	4136	3	6
Jason	Hartman	4143	4	8
Andrew	Highbaugh	4181	4	8
Jeffrey	Kazak	4195	4	8
Allen	Koranda	4053	4	8
Brian	McMillin	4031	4	8
Jack	Newton	4194	4	8
Terrence	O'Hern	4035	4	8
Dillon	Pierce	4180	3	6

Jacob	Randich	4038	4	8
Scott	Schneider	4112	4	8
Jessica	Schumacher	4191	4	8
Matt	Skole	4040	4	8

Report: **Daily Activity Entry - Materials By Route**
Dates: 3/1/2023 to 2/29/2024
Company: Environmental Recycling & Disposal

3/13/2023	MOEN COMPOST (YARDWASTE)	YARD WASTE	1.19	1.19	290916	CHANNAHON	RESIDENTIAL	MON RES 9 CHAN YARDW
3/27/2023	MOEN COMPOST (YARDWASTE)	YARD WASTE	1.84	1.84	292417	CHANNAHON	RESIDENTIAL	MON RES 9 CHAN YARDW
3/30/2023	MOEN COMPOST (YARDWASTE)	YARD WASTE	1.18	1.18	292929	CHANNAHON	RESIDENTIAL	THU RES 7 CHAN YARDW
4/3/2023	MOEN COMPOST (YARDWASTE)	YARD WASTE	3.72	3.72	293248	CHANNAHON	RESIDENTIAL	MON RES 9 CHAN YARDW
4/4/2023	MOEN COMPOST (YARDWASTE)	YARD WASTE	2.54	2.54	293452	CHANNAHON	RESIDENTIAL	TUE RESI 10 CHAN YW
4/5/2023	MOEN COMPOST (YARDWASTE)	YARD WASTE	3.34	3.34	293611	CHANNAHON	RESIDENTIAL	WED RESI 7 CHAN YARD
4/11/2023	MOEN COMPOST (YARDWASTE)	YARD WASTE	3.56	3.56	294324	CHANNAHON	RESIDENTIAL	TUE RESI 10 CHAN YW
4/12/2023	MOEN COMPOST (YARDWASTE)	YARD WASTE	4.21	4.21	294434	CHANNAHON	RESIDENTIAL	WED RESI 7 CHAN YARD
4/12/2023	MOEN COMPOST (YARDWASTE)	YARD WASTE	3.31	3.31	294509	CHANNAHON	RESIDENTIAL	WED RESI 7 CHAN YARD
4/17/2023	MOEN COMPOST (YARDWASTE)	YARD WASTE	10.30	10.30	295083	CHANNAHON	RESIDENTIAL	MON RES 9 CHAN YARDW
4/19/2023	MOEN COMPOST (YARDWASTE)	YARD WASTE	9.71	9.71	295364	CHANNAHON	RESIDENTIAL	WED RESI 7 CHAN YARD
4/19/2023	MOEN COMPOST (YARDWASTE)	YARD WASTE	8.01	8.01	295363	CHANNAHON	RESIDENTIAL	WED RESI 7 CHAN YARD
4/24/2023	MOEN COMPOST (YARDWASTE)	YARD WASTE	5.10	5.10	295986	CHANNAHON	RESIDENTIAL	MON RES 9 CHAN YARDW
4/26/2023	MOEN COMPOST (YARDWASTE)	YARD WASTE	11.59	11.59	296265	CHANNAHON	RESIDENTIAL	WED RESI 7 CHAN YARD
4/26/2023	MOEN COMPOST (YARDWASTE)	YARD WASTE	8.01	8.01	296277	CHANNAHON	RESIDENTIAL	WED RESI 7 CHAN YARD
4/27/2023	MOEN COMPOST (YARDWASTE)	YARD WASTE	6.59	6.59	296485	CHANNAHON	RESIDENTIAL	THU RES 7 CHAN YARDW
5/1/2023	MOEN COMPOST (YARDWASTE)	YARD WASTE	6.45	6.45	296844	CHANNAHON	RESIDENTIAL	MON RES 9 CHAN YARDW
5/3/2023	MOEN COMPOST (YARDWASTE)	YARD WASTE	8.89	8.89	297121	CHANNAHON	RESIDENTIAL	WED RESI 7 CHAN YARD
5/3/2023	MOEN COMPOST (YARDWASTE)	YARD WASTE	7.11	7.11	297128	CHANNAHON	RESIDENTIAL	WED RESI 7 CHAN YARD
5/4/2023	MOEN COMPOST (YARDWASTE)	YARD WASTE	6.13	6.13	297330	CHANNAHON	RESIDENTIAL	THU RES 7 CHAN YARDW
5/8/2023	MOEN COMPOST (YARDWASTE)	YARD WASTE	9.27	9.27	297719	CHANNAHON	RESIDENTIAL	MON RES 9 CHAN YARDW
5/10/2023	MOEN COMPOST (YARDWASTE)	YARD WASTE	14.14	14.14	298008	CHANNAHON	RESIDENTIAL	WED RESI 7 CHAN YARD
5/10/2023	MOEN COMPOST (YARDWASTE)	YARD WASTE	14.63	14.63	298041	CHANNAHON	RESIDENTIAL	WED RESI 7 CHAN YARD
5/11/2023	MOEN COMPOST (YARDWASTE)	YARD WASTE	3.63	3.63	298231	CHANNAHON	RESIDENTIAL	THU RES 7 CHAN YARDW
5/11/2023	MOEN COMPOST (YARDWASTE)	YARD WASTE	6.60	6.60	298158	CHANNAHON	RESIDENTIAL	THU RES 7 CHAN YARDW
5/15/2023	MOEN COMPOST (YARDWASTE)	YARD WASTE	9.17	9.17	298596	CHANNAHON	RESIDENTIAL	MON RES 9 CHAN YARDW
5/16/2023	MOEN COMPOST (YARDWASTE)	YARD WASTE	3.98	3.98	298770	CHANNAHON	RESIDENTIAL	TUE RESI 10 CHAN YW
5/17/2023	MOEN COMPOST (YARDWASTE)	YARD WASTE	12.19	12.19	298873	CHANNAHON	RESIDENTIAL	WED RESI 7 CHAN YARD
5/17/2023	MOEN COMPOST (YARDWASTE)	YARD WASTE	9.91	9.91	298936	CHANNAHON	RESIDENTIAL	WED RESI 7 CHAN YARD
5/17/2023	MOEN COMPOST (YARDWASTE)	YARD WASTE	8.33	8.33	298851	CHANNAHON	RESIDENTIAL	WED RESI 7 CHAN YARD
5/17/2023	MOEN COMPOST (YARDWASTE)	YARD WASTE	10.88	10.88	298920	CHANNAHON	RESIDENTIAL	WED RESI 7 CHAN YARD
5/18/2023	MOEN COMPOST (YARDWASTE)	YARD WASTE	6.04	6.04	299126	CHANNAHON	RESIDENTIAL	THU RES 7 CHAN YARDW
5/18/2023	MOEN COMPOST (YARDWASTE)	YARD WASTE	7.14	7.14	299139	CHANNAHON	RESIDENTIAL	THU RES 7 CHAN YARDW
5/22/2023	MOEN COMPOST (YARDWASTE)	YARD WASTE	10.16	10.16	299540	CHANNAHON	RESIDENTIAL	MON RES 9 CHAN YARDW
5/22/2023	MOEN COMPOST (YARDWASTE)	YARD WASTE	10.49	10.49	299547	CHANNAHON	RESIDENTIAL	MON RES 9 CHAN YARDW
5/23/2023	MOEN COMPOST (YARDWASTE)	YARD WASTE	3.91	3.91	299727	CHANNAHON	RESIDENTIAL	TUE RESI 10 CHAN YW
5/24/2023	MOEN COMPOST (YARDWASTE)	YARD WASTE	10.47	10.47	299813	CHANNAHON	RESIDENTIAL	WED RESI 7 CHAN YARD
5/24/2023	MOEN COMPOST (YARDWASTE)	YARD WASTE	9.29	9.29	299874	CHANNAHON	RESIDENTIAL	WED RESI 7 CHAN YARD
5/24/2023	MOEN COMPOST (YARDWASTE)	YARD WASTE	7.97	7.97	299824	CHANNAHON	RESIDENTIAL	WED RESI 7 CHAN YARD
5/24/2023	MOEN COMPOST (YARDWASTE)	YARD WASTE	8.18	8.18	299886	CHANNAHON	RESIDENTIAL	WED RESI 7 CHAN YARD
5/25/2023	MOEN COMPOST (YARDWASTE)	YARD WASTE	3.76	3.76	300086	CHANNAHON	RESIDENTIAL	THU RES 7 CHAN YARDW

5/30/2023	MOEN COMPOST (YARDWASTE)	YARD WASTE	11.84	11.84	300473	CHANNAHON	RESIDENTIAL	MON RES 9 CHAN YARDW
5/30/2023	MOEN COMPOST (YARDWASTE)	YARD WASTE	3.74	3.74	300469	CHANNAHON	RESIDENTIAL	MON RES 9 CHAN YARDW
5/31/2023	MOEN COMPOST (YARDWASTE)	YARD WASTE	5.69	5.69	300705	CHANNAHON	RESIDENTIAL	WED RESI 7 CHAN YARD
6/1/2023	MOEN COMPOST (YARDWASTE)	YARD WASTE	6.86	6.86	300788	CHANNAHON	RESIDENTIAL	THU RES 7 CHAN YARDW
6/1/2023	MOEN COMPOST (YARDWASTE)	YARD WASTE	7.52	7.52	300799	CHANNAHON	RESIDENTIAL	WED RESI 7 CHAN YARD
6/1/2023	MOEN COMPOST (YARDWASTE)	YARD WASTE	5.33	5.33	300864	CHANNAHON	RESIDENTIAL	WED RESI 7 CHAN YARD
6/2/2023	MOEN COMPOST (YARDWASTE)	YARD WASTE	4.51	4.51	301075	CHANNAHON	RESIDENTIAL	THU RES 7 CHAN YARDW
6/5/2023	MOEN COMPOST (YARDWASTE)	YARD WASTE	8.66	8.66	301348	CHANNAHON	RESIDENTIAL	MON RES 9 CHAN YARDW
6/6/2023	MOEN COMPOST (YARDWASTE)	YARD WASTE	2.58	2.58	301531	CHANNAHON	RESIDENTIAL	TUE RESI 10 CHAN YW
6/7/2023	MOEN COMPOST (YARDWASTE)	YARD WASTE	6.32	6.32	301626	CHANNAHON	RESIDENTIAL	WED RESI 7 CHAN YARD
6/7/2023	MOEN COMPOST (YARDWASTE)	YARD WASTE	4.16	4.16	301618	CHANNAHON	RESIDENTIAL	WED RESI 7 CHAN YARD
6/8/2023	MOEN COMPOST (YARDWASTE)	YARD WASTE	4.79	4.79	301859	CHANNAHON	RESIDENTIAL	THU RES 7 CHAN YARDW
6/12/2023	MOEN COMPOST (YARDWASTE)	YARD WASTE	5.39	5.39	302216	CHANNAHON	RESIDENTIAL	MON RES 9 CHAN YARDW
6/12/2023	MOEN COMPOST (YARDWASTE)	YARD WASTE	0.68	0.68	302213	CHANNAHON	RESIDENTIAL	MON RES 9 CHAN YARDW
6/13/2023	MOEN COMPOST (YARDWASTE)	YARD WASTE	2.11	2.11	302372	CHANNAHON	RESIDENTIAL	TUE RESI 10 CHAN YW
6/13/2023	MOEN COMPOST (YARDWASTE)	YARD WASTE	1.74	1.74	302371	CHANNAHON	RESIDENTIAL	TUE RESI 10 CHAN YW
6/14/2023	MOEN COMPOST (YARDWASTE)	YARD WASTE	6.68	6.68	302489	CHANNAHON	RESIDENTIAL	WED RESI 7 CHAN YARD
6/14/2023	MOEN COMPOST (YARDWASTE)	YARD WASTE	3.13	3.13	302470	CHANNAHON	RESIDENTIAL	WED RESI 7 CHAN YARD
6/15/2023	MOEN COMPOST (YARDWASTE)	YARD WASTE	4.30	4.30	303652	CHANNAHON	RESIDENTIAL	THU RES 7 CHAN YARDW
6/20/2023	MOEN COMPOST (YARDWASTE)	YARD WASTE	1.19	1.19	306220	CHANNAHON	RESIDENTIAL	TUE RESI 10 CHAN YW
6/20/2023	MOEN COMPOST (YARDWASTE)	YARD WASTE	1.87	1.87	306222	CHANNAHON	RESIDENTIAL	TUE RESI 10 CHAN YW
6/21/2023	MOEN COMPOST (YARDWASTE)	YARD WASTE	5.37	5.37	306361	CHANNAHON	RESIDENTIAL	WED RESI 7 CHAN YARD
6/21/2023	MOEN COMPOST (YARDWASTE)	YARD WASTE	3.34	3.34	306364	CHANNAHON	RESIDENTIAL	WED RESI 7 CHAN YARD
6/22/2023	MOEN COMPOST (YARDWASTE)	YARD WASTE	3.46	3.46	306553	CHANNAHON	RESIDENTIAL	THU RES 7 CHAN YARDW
6/26/2023	MOEN COMPOST (YARDWASTE)	YARD WASTE	4.93	4.93	306932	CHANNAHON	RESIDENTIAL	MON RES 9 CHAN YARDW
6/28/2023	MOEN COMPOST (YARDWASTE)	YARD WASTE	5.26	5.26	307205	CHANNAHON	RESIDENTIAL	WED RESI 7 CHAN YARD
6/28/2023	MOEN COMPOST (YARDWASTE)	YARD WASTE	3.16	3.16	307188	CHANNAHON	RESIDENTIAL	WED RESI 7 CHAN YARD
6/29/2023	MOEN COMPOST (YARDWASTE)	YARD WASTE	3.09	3.09	307419	CHANNAHON	RESIDENTIAL	THU RES 7 CHAN YARDW
7/3/2023	MOEN COMPOST (YARDWASTE)	YARD WASTE	4.93	4.93	307747	CHANNAHON	RESIDENTIAL	MON RES 9 CHAN YARDW
7/5/2023	MOEN COMPOST (YARDWASTE)	YARD WASTE	1.24	1.24	307968	CHANNAHON	RESIDENTIAL	TUE RESI 10 CHAN YW
7/6/2023	MOEN COMPOST (YARDWASTE)	YARD WASTE	4.07	4.07	308072	CHANNAHON	RESIDENTIAL	THU RES 7 CHAN YARDW
7/6/2023	MOEN COMPOST (YARDWASTE)	YARD WASTE	7.11	7.11	308101	CHANNAHON	RESIDENTIAL	WED RESI 7 CHAN YARD
7/7/2023	MOEN COMPOST (YARDWASTE)	YARD WASTE	5.07	5.07	308334	CHANNAHON	RESIDENTIAL	THU RES 7 CHAN YARDW
7/10/2023	MOEN COMPOST (YARDWASTE)	YARD WASTE	9.72	9.72	308616	CHANNAHON	RESIDENTIAL	MON RES 9 CHAN YARDW
7/12/2023	MOEN COMPOST (YARDWASTE)	YARD WASTE	7.48	7.48	308865	CHANNAHON	RESIDENTIAL	WED RESI 7 CHAN YARD
7/12/2023	MOEN COMPOST (YARDWASTE)	YARD WASTE	6.70	6.70	308860	CHANNAHON	RESIDENTIAL	WED RESI 7 CHAN YARD
7/13/2023	MOEN COMPOST (YARDWASTE)	YARD WASTE	4.89	4.89	309069	CHANNAHON	RESIDENTIAL	THU RES 7 CHAN YARDW
7/19/2023	MOEN COMPOST (YARDWASTE)	YARD WASTE	10.26	10.26	309741	CHANNAHON	RESIDENTIAL	WED RESI 7 CHAN YARD
7/19/2023	MOEN COMPOST (YARDWASTE)	YARD WASTE	10.76	10.76	309745	CHANNAHON	RESIDENTIAL	WED RESI 7 CHAN YARD
7/24/2023	MOEN COMPOST (YARDWASTE)	YARD WASTE	9.47	9.47	310334	CHANNAHON	RESIDENTIAL	MON RES 9 CHAN YARDW
7/25/2023	MOEN COMPOST (YARDWASTE)	YARD WASTE	1.19	1.19	310515	CHANNAHON	RESIDENTIAL	TUE RESI 10 CHAN YW
7/26/2023	MOEN COMPOST (YARDWASTE)	YARD WASTE	7.49	7.49	310672	CHANNAHON	RESIDENTIAL	WED RESI 7 CHAN YARD
7/26/2023	MOEN COMPOST (YARDWASTE)	YARD WASTE	6.84	6.84	310675	CHANNAHON	RESIDENTIAL	WED RESI 7 CHAN YARD

7/27/2023	MOEN COMPOST (YARDWASTE)	YARD WASTE	1.18	1.18	310871	CHANNAHON	RESIDENTIAL	THU RES 7 CHAN YARDW
7/31/2023	MOEN COMPOST (YARDWASTE)	YARD WASTE	6.75	6.75	311238	CHANNAHON	RESIDENTIAL	MON RES 9 CHAN YARDW
7/31/2023	MOEN COMPOST (YARDWASTE)	YARD WASTE	3.11	3.11	311237	CHANNAHON	RESIDENTIAL	MON RES 9 CHAN YARDW
8/1/2023	MOEN COMPOST (YARDWASTE)	YARD WASTE	1.41	1.41	311407	CHANNAHON	RESIDENTIAL	TUE RESI 10 CHAN YW
8/1/2023	MOEN COMPOST (YARDWASTE)	YARD WASTE	2.21	2.21	311412	CHANNAHON	RESIDENTIAL	TUE RESI 10 CHAN YW
8/1/2023	MOEN COMPOST (YARDWASTE)	YARD WASTE	2.06	2.06	311411	CHANNAHON	RESIDENTIAL	TUE RESI 10 CHAN YW
8/2/2023	MOEN COMPOST (YARDWASTE)	YARD WASTE	3.28	3.28	311571	CHANNAHON	RESIDENTIAL	WED RESI 7 CHAN YARD
8/8/2023	MOEN COMPOST (YARDWASTE)	YARD WASTE	2.95	2.95	312065	CHANNAHON	RESIDENTIAL	TUE RESI 10 CHAN YW
8/8/2023	MOEN COMPOST (YARDWASTE)	YARD WASTE	0.56	0.56	312212	CHANNAHON	RESIDENTIAL	TUE RESI 10 CHAN YW
8/8/2023	MOEN COMPOST (YARDWASTE)	YARD WASTE	1.97	1.97	312208	CHANNAHON	RESIDENTIAL	TUE RESI 10 CHAN YW
8/9/2023	MOEN COMPOST (YARDWASTE)	YARD WASTE	9.03	9.03	312327	CHANNAHON	RESIDENTIAL	WED RESI 7 CHAN YARD
8/9/2023	MOEN COMPOST (YARDWASTE)	YARD WASTE	5.34	5.34	312329	CHANNAHON	RESIDENTIAL	WED RESI 7 CHAN YARD
8/10/2023	MOEN COMPOST (YARDWASTE)	YARD WASTE	5.51	5.51	312577	CHANNAHON	RESIDENTIAL	THU RES 7 CHAN YARDW
8/14/2023	MOEN COMPOST (YARDWASTE)	YARD WASTE	8.21	8.21	312968	CHANNAHON	RESIDENTIAL	MON RES 9 CHAN YARDW
8/15/2023	MOEN COMPOST (YARDWASTE)	YARD WASTE	7.85	7.85	313147	CHANNAHON	RESIDENTIAL	TUE RESI 10 CHAN YW
8/16/2023	MOEN COMPOST (YARDWASTE)	YARD WASTE	10.11	10.11	313242	CHANNAHON	RESIDENTIAL	WED RESI 7 CHAN YARD
8/16/2023	MOEN COMPOST (YARDWASTE)	YARD WASTE	9.15	9.15	313237	CHANNAHON	RESIDENTIAL	WED RESI 7 CHAN YARD
8/17/2023	MOEN COMPOST (YARDWASTE)	YARD WASTE	6.94	6.94	313385	CHANNAHON	RESIDENTIAL	THU RES 7 CHAN YARDW
8/21/2023	MOEN COMPOST (YARDWASTE)	YARD WASTE	10.24	10.24	313776	CHANNAHON	RESIDENTIAL	MON RES 9 CHAN YARDW
8/22/2023	MOEN COMPOST (YARDWASTE)	YARD WASTE	3.17	3.17	313984	CHANNAHON	RESIDENTIAL	TUE RESI 10 CHAN YW
8/23/2023	MOEN COMPOST (YARDWASTE)	YARD WASTE	10.16	10.16	314109	CHANNAHON	RESIDENTIAL	WED RESI 7 CHAN YARD
8/23/2023	MOEN COMPOST (YARDWASTE)	YARD WASTE	8.45	8.45	314092	CHANNAHON	RESIDENTIAL	WED RESI 7 CHAN YARD
8/24/2023	MOEN COMPOST (YARDWASTE)	YARD WASTE	2.49	2.49	314278	CHANNAHON	RESIDENTIAL	THU RES 7 CHAN YARDW
8/24/2023	MOEN COMPOST (YARDWASTE)	YARD WASTE	1.25	1.25	314277	CHANNAHON	RESIDENTIAL	THU RES 7 CHAN YARDW
8/24/2023	MOEN COMPOST (YARDWASTE)	YARD WASTE	0.69	0.69	314283	CHANNAHON	RESIDENTIAL	THU RES 7 CHAN YARDW
8/28/2023	MOEN COMPOST (YARDWASTE)	YARD WASTE	7.13	7.13	314629	CHANNAHON	RESIDENTIAL	MON RES 9 CHAN YARDW
8/29/2023	MOEN COMPOST (YARDWASTE)	YARD WASTE	0.64	0.64	314797	CHANNAHON	RESIDENTIAL	TUE RESI 10 CHAN YW
8/29/2023	MOEN COMPOST (YARDWASTE)	YARD WASTE	1.51	1.51	314795	CHANNAHON	RESIDENTIAL	TUE RESI 10 CHAN YW
8/30/2023	MOEN COMPOST (YARDWASTE)	YARD WASTE	6.98	6.98	314913	CHANNAHON	RESIDENTIAL	WED RESI 7 CHAN YARD
8/31/2023	MOEN COMPOST (YARDWASTE)	YARD WASTE	5.38	5.38	315082	CHANNAHON	RESIDENTIAL	THU RES 7 CHAN YARDW
9/5/2023	MOEN COMPOST (YARDWASTE)	YARD WASTE	4.98	4.98	315490	CHANNAHON	RESIDENTIAL	MON RES 9 CHAN YARDW
9/6/2023	MOEN COMPOST (YARDWASTE)	YARD WASTE	0.78	0.78	315721	CHANNAHON	RESIDENTIAL	TUE RESI 10 CHAN YW
9/7/2023	MOEN COMPOST (YARDWASTE)	YARD WASTE	4.58	4.58	315852	CHANNAHON	RESIDENTIAL	WED RESI 7 CHAN YARD
9/7/2023	MOEN COMPOST (YARDWASTE)	YARD WASTE	3.69	3.69	315838	CHANNAHON	RESIDENTIAL	WED RESI 7 CHAN YARD
9/8/2023	MOEN COMPOST (YARDWASTE)	YARD WASTE	3.31	3.31	316050	CHANNAHON	RESIDENTIAL	THU RES 7 CHAN YARDW
9/11/2023	MOEN COMPOST (YARDWASTE)	YARD WASTE	7.17	7.17	316307	CHANNAHON	RESIDENTIAL	MON RES 9 CHAN YARDW
9/13/2023	MOEN COMPOST (YARDWASTE)	YARD WASTE	7.17	7.17	316588	CHANNAHON	RESIDENTIAL	WED RESI 7 CHAN YARD
9/13/2023	MOEN COMPOST (YARDWASTE)	YARD WASTE	4.93	4.93	316578	CHANNAHON	RESIDENTIAL	WED RESI 7 CHAN YARD
9/14/2023	MOEN COMPOST (YARDWASTE)	YARD WASTE	5.35	5.35	316744	CHANNAHON	RESIDENTIAL	THU RES 7 CHAN YARDW
9/18/2023	MOEN COMPOST (YARDWASTE)	YARD WASTE	9.63	9.63	317089	CHANNAHON	RESIDENTIAL	MON RES 9 CHAN YARDW
9/20/2023	MOEN COMPOST (YARDWASTE)	YARD WASTE	5.76	5.76	317400	CHANNAHON	RESIDENTIAL	WED RESI 7 CHAN YARD
9/21/2023	MOEN COMPOST (YARDWASTE)	YARD WASTE	2.90	2.90	317584	CHANNAHON	RESIDENTIAL	THU RES 7 CHAN YARDW
9/25/2023	MOEN COMPOST (YARDWASTE)	YARD WASTE	11.69	11.69	317928	CHANNAHON	RESIDENTIAL	MON RES 9 CHAN YARDW

9/25/2023	MOEN COMPOST (YARDWASTE)	YARD WASTE	6.26	6.26	317985	CHANNAHON	RESIDENTIAL	MON RES 9 CHAN YARDW
9/26/2023	MOEN COMPOST (YARDWASTE)	YARD WASTE	3.12	3.12	318146	CHANNAHON	RESIDENTIAL	TUE RESI 10 CHAN YW
9/27/2023	MOEN COMPOST (YARDWASTE)	YARD WASTE	13.03	13.03	318243	CHANNAHON	RESIDENTIAL	WED RESI 7 CHAN YARD
9/27/2023	MOEN COMPOST (YARDWASTE)	YARD WASTE	3.93	3.93	318285	CHANNAHON	RESIDENTIAL	WED RESI 7 CHAN YARD
9/27/2023	MOEN COMPOST (YARDWASTE)	YARD WASTE	10.47	10.47	318246	CHANNAHON	RESIDENTIAL	WED RESI 7 CHAN YARD
9/27/2023	MOEN COMPOST (YARDWASTE)	YARD WASTE	4.08	4.08	318286	CHANNAHON	RESIDENTIAL	WED RESI 7 CHAN YARD
9/28/2023	MOEN COMPOST (YARDWASTE)	YARD WASTE	8.44	8.44	318384	CHANNAHON	RESIDENTIAL	THU RES 7 CHAN YARDW
10/2/2023	MOEN COMPOST (YARDWASTE)	YARD WASTE	9.52	9.52	318730	CHANNAHON	RESIDENTIAL	MON RES 9 CHAN YARDW
10/2/2023	MOEN COMPOST (YARDWASTE)	YARD WASTE	5.47	5.47	318795	CHANNAHON	RESIDENTIAL	MON RES 9 CHAN YARDW
10/4/2023	MOEN COMPOST (YARDWASTE)	YARD WASTE	8.80	8.80	319020	CHANNAHON	RESIDENTIAL	WED RESI 7 CHAN YARD
10/4/2023	MOEN COMPOST (YARDWASTE)	YARD WASTE	6.52	6.52	319077	CHANNAHON	RESIDENTIAL	WED RESI 7 CHAN YARD
10/4/2023	MOEN COMPOST (YARDWASTE)	YARD WASTE	8.61	8.61	319026	CHANNAHON	RESIDENTIAL	WED RESI 7 CHAN YARD
10/4/2023	MOEN COMPOST (YARDWASTE)	YARD WASTE	3.77	3.77	319079	CHANNAHON	RESIDENTIAL	WED RESI 7 CHAN YARD
10/5/2023	MOEN COMPOST (YARDWASTE)	YARD WASTE	10.20	10.20	319197	CHANNAHON	RESIDENTIAL	THU RES 7 CHAN YARDW
10/9/2023	MOEN COMPOST (YARDWASTE)	YARD WASTE	9.52	9.52	319549	CHANNAHON	RESIDENTIAL	MON RES 9 CHAN YARDW
10/10/2023	MOEN COMPOST (YARDWASTE)	YARD WASTE	1.73	1.73	319721	CHANNAHON	RESIDENTIAL	TUE RESI 10 CHAN YW
10/11/2023	MOEN COMPOST (YARDWASTE)	YARD WASTE	11.00	11.00	319852	CHANNAHON	RESIDENTIAL	WED RESI 7 CHAN YARD
10/11/2023	MOEN COMPOST (YARDWASTE)	YARD WASTE	8.53	8.53	319839	CHANNAHON	RESIDENTIAL	WED RESI 7 CHAN YARD
10/16/2023	MOEN COMPOST (YARDWASTE)	YARD WASTE	4.60	4.60	320301	CHANNAHON	RESIDENTIAL	MON RES 9 CHAN YARDW
10/16/2023	MOEN COMPOST (YARDWASTE)	YARD WASTE	6.23	6.23	320368	CHANNAHON	RESIDENTIAL	MON RES 9 CHAN YARDW
10/16/2023	MOEN COMPOST (YARDWASTE)	YARD WASTE	3.79	3.79	320366	CHANNAHON	RESIDENTIAL	MON RES 9 CHAN YARDW
10/18/2023	MOEN COMPOST (YARDWASTE)	YARD WASTE	6.85	6.85	320615	CHANNAHON	RESIDENTIAL	WED RESI 7 CHAN YARD
10/18/2023	MOEN COMPOST (YARDWASTE)	YARD WASTE	4.63	4.63	320610	CHANNAHON	RESIDENTIAL	WED RESI 7 CHAN YARD
10/19/2023	MOEN COMPOST (YARDWASTE)	YARD WASTE	5.14	5.14	320763	CHANNAHON	RESIDENTIAL	THU RES 7 CHAN YARDW
10/23/2023	MOEN COMPOST (YARDWASTE)	YARD WASTE	8.74	8.74	321140	CHANNAHON	RESIDENTIAL	MON RES 9 CHAN YARDW
10/24/2023	MOEN COMPOST (YARDWASTE)	YARD WASTE	10.51	10.51	321329	CHANNAHON	RESIDENTIAL	TUE RESI 10 CHAN YW
10/25/2023	MOEN COMPOST (YARDWASTE)	YARD WASTE	7.87	7.87	321415	CHANNAHON	RESIDENTIAL	WED RESI 7 CHAN YARD
10/25/2023	MOEN COMPOST (YARDWASTE)	YARD WASTE	2.50	2.50	321458	CHANNAHON	RESIDENTIAL	WED RESI 7 CHAN YARD
10/25/2023	MOEN COMPOST (YARDWASTE)	YARD WASTE	6.65	6.65	321416	CHANNAHON	RESIDENTIAL	WED RESI 7 CHAN YARD
10/26/2023	MOEN COMPOST (YARDWASTE)	YARD WASTE	4.67	4.67	321558	CHANNAHON	RESIDENTIAL	THU RES 7 CHAN YARDW
10/31/2023	MOEN COMPOST (YARDWASTE)	YARD WASTE	7.11	7.11	322072	CHANNAHON	RESIDENTIAL	TUE RESI 10 CHAN YW
11/1/2023	MOEN COMPOST (YARDWASTE)	YARD WASTE	8.02	8.02	322221	CHANNAHON	RESIDENTIAL	WED RESI 7 CHAN YARD
11/1/2023	MOEN COMPOST (YARDWASTE)	YARD WASTE	6.50	6.50	322241	CHANNAHON	RESIDENTIAL	WED RESI 7 CHAN YARD
11/2/2023	MOEN COMPOST (YARDWASTE)	YARD WASTE	6.95	6.95	322432	CHANNAHON	RESIDENTIAL	THU RES 7 CHAN YARDW
11/6/2023	MOEN COMPOST (YARDWASTE)	YARD WASTE	6.22	6.22	322698	CHANNAHON	RESIDENTIAL	MON RES 9 CHAN YARDW
11/6/2023	MOEN COMPOST (YARDWASTE)	YARD WASTE	7.89	7.89	322794	CHANNAHON	RESIDENTIAL	MON RES 9 CHAN YARDW
11/6/2023	MOEN COMPOST (YARDWASTE)	YARD WASTE	7.00	7.00	322819	CHANNAHON	RESIDENTIAL	MON RES 9 CHAN YARDW
11/7/2023	MOEN COMPOST (YARDWASTE)	YARD WASTE	3.24	3.24	322968	CHANNAHON	RESIDENTIAL	TUE RESI 10 CHAN YW
11/8/2023	MOEN COMPOST (YARDWASTE)	YARD WASTE	8.35	8.35	323068	CHANNAHON	RESIDENTIAL	WED RESI 7 CHAN YARD
11/8/2023	MOEN COMPOST (YARDWASTE)	YARD WASTE	7.58	7.58	323148	CHANNAHON	RESIDENTIAL	WED RESI 7 CHAN YARD
11/8/2023	MOEN COMPOST (YARDWASTE)	YARD WASTE	7.01	7.01	323070	CHANNAHON	RESIDENTIAL	WED RESI 7 CHAN YARD
11/8/2023	MOEN COMPOST (YARDWASTE)	YARD WASTE	5.58	5.58	323144	CHANNAHON	RESIDENTIAL	WED RESI 7 CHAN YARD
11/9/2023	MOEN COMPOST (YARDWASTE)	YARD WASTE	6.55	6.55	323227	CHANNAHON	RESIDENTIAL	THU RES 7 CHAN YARDW

11/9/2023	MOEN COMPOST (YARDWASTE)	YARD WASTE	2.48	2.48	323263	CHANNAHON	RESIDENTIAL	THU RES 7 CHAN YARDW
11/13/2023	MOEN COMPOST (YARDWASTE)	YARD WASTE	6.66	6.66	323573	CHANNAHON	RESIDENTIAL	MON RES 9 CHAN YARDW
11/13/2023	MOEN COMPOST (YARDWASTE)	YARD WASTE	6.41	6.41	323636	CHANNAHON	RESIDENTIAL	MON RES 9 CHAN YARDW
11/13/2023	MOEN COMPOST (YARDWASTE)	YARD WASTE	1.87	1.87	323657	CHANNAHON	RESIDENTIAL	MON RES 9 CHAN YARDW
11/14/2023	MOEN COMPOST (YARDWASTE)	YARD WASTE	4.92	4.92	323797	CHANNAHON	RESIDENTIAL	TUE RESI 10 CHAN YW
11/14/2023	MOEN COMPOST (YARDWASTE)	YARD WASTE	1.34	1.34	323802	CHANNAHON	RESIDENTIAL	TUE RESI 10 CHAN YW
11/15/2023	MOEN COMPOST (YARDWASTE)	YARD WASTE	7.71	7.71	323921	CHANNAHON	RESIDENTIAL	WED RESI 7 CHAN YARD
11/15/2023	MOEN COMPOST (YARDWASTE)	YARD WASTE	6.12	6.12	323913	CHANNAHON	RESIDENTIAL	WED RESI 7 CHAN YARD
11/16/2023	MOEN COMPOST (YARDWASTE)	YARD WASTE	5.50	5.50	324066	CHANNAHON	RESIDENTIAL	THU RES 7 CHAN YARDW
11/20/2023	MOEN COMPOST (YARDWASTE)	YARD WASTE	7.67	7.67	324368	CHANNAHON	RESIDENTIAL	MON RES 9 CHAN YARDW
11/20/2023	MOEN COMPOST (YARDWASTE)	YARD WASTE	6.02	6.02	324468	CHANNAHON	RESIDENTIAL	MON RES 9 CHAN YARDW
11/21/2023	MOEN COMPOST (YARDWASTE)	YARD WASTE	3.30	3.30	324622	CHANNAHON	RESIDENTIAL	TUE RESI 10 CHAN YW
11/22/2023	MOEN COMPOST (YARDWASTE)	YARD WASTE	7.05	7.05	324745	CHANNAHON	RESIDENTIAL	WED RESI 7 CHAN YARD
11/22/2023	MOEN COMPOST (YARDWASTE)	YARD WASTE	4.95	4.95	324748	CHANNAHON	RESIDENTIAL	WED RESI 7 CHAN YARD
11/24/2023	MOEN COMPOST (YARDWASTE)	YARD WASTE	3.79	3.79	324860	CHANNAHON	RESIDENTIAL	THU RES 7 CHAN YARDW
11/27/2023	MOEN COMPOST (YARDWASTE)	YARD WASTE	7.02	7.02	325100	CHANNAHON	RESIDENTIAL	MON RES 9 CHAN YARDW
11/28/2023	MOEN COMPOST (YARDWASTE)	YARD WASTE	2.00	2.00	325274	CHANNAHON	RESIDENTIAL	TUE RESI 10 CHAN YW
11/29/2023	MOEN COMPOST (YARDWASTE)	YARD WASTE	5.18	5.18	325371	CHANNAHON	RESIDENTIAL	WED RESI 7 CHAN YARD
11/30/2023	MOEN COMPOST (YARDWASTE)	YARD WASTE	2.40	2.40	325477	CHANNAHON	RESIDENTIAL	THU RES 7 CHAN YARDW
12/4/2023	MOEN COMPOST (YARDWASTE)	YARD WASTE	3.45	3.45	325802	CHANNAHON	RESIDENTIAL	MON RES 9 CHAN YARDW
12/5/2023	MOEN COMPOST (YARDWASTE)	YARD WASTE	1.69	1.69	325986	CHANNAHON	RESIDENTIAL	TUE RESI 10 CHAN YW
12/6/2023	MOEN COMPOST (YARDWASTE)	YARD WASTE	3.17	3.17	326096	CHANNAHON	RESIDENTIAL	WED RESI 7 CHAN YARD
12/6/2023	MOEN COMPOST (YARDWASTE)	YARD WASTE	1.37	1.37	326103	CHANNAHON	RESIDENTIAL	WED RESI 5 CHAN REC
12/7/2023	MOEN COMPOST (YARDWASTE)	YARD WASTE	2.10	2.10	326194	CHANNAHON	RESIDENTIAL	THU RES 7 CHAN YARDW
12/11/2023	MOEN COMPOST (YARDWASTE)	YARD WASTE	3.50	3.50	326530	CHANNAHON	RESIDENTIAL	MON RES 9 CHAN YARDW
12/14/2023	MOEN COMPOST (YARDWASTE)	YARD WASTE	1.23	1.23	327017	CHANNAHON	RESIDENTIAL	THU RES 7 CHAN YARDW

		Total	YARD WASTE
Total		1,137.57	1,137.57
CHANNAHON	**Total**	1,137.57	1,137.57
	3/2023	4.21	4.21
	4/2023	79.99	79.99
	5/2023	229.99	229.99
	6/2023	106.43	106.43
	7/2023	108.26	108.26
	8/2023	134.67	134.67
	9/2023	121.27	121.27

		Total	YARD WASTE
CHANNAHON	10/2023	162.96	162.96
	11/2023	173.28	173.28
	12/2023	16.51	16.51

Lower DuPage River Watershed Coalition (LDRWC)
ILR40 Activities
March 2023 – February 2024

PART I. COVERAGE UNDER GENRAL PERMITS ILR40

Not applicable to the work of the LDRWC.

PART II. NOTICE OF INTENT (NOI) REQUIREMENTS

Not applicable to the work of the LDRWC.

PART III. SPECIAL CONDITIONS

Not applicable to the work of the LDRWC.

PART IV. STORM WATER MANAGEMENT PROGRAMS

A. Requirements

Not applicable to the work of the LDRWC.

B. Minimum Control Measure

1. Public Education and Outreach on Stormwater Impacts

LDRWC outreach activities for 2023-2024 included:

- The joint website for the LDRWC and Lower Des Plaines Watershed Group has been maintained with updated information for the general public on local water quality issues and what they can do to help, as well as more information on the monitoring program, outreach program, NARP and Chloride TLWQS. The URL is www.LDPWatersheds.org
- Watershed Outreach Materials were developed and shared with member throughout the year. The "Outreach Materials" page on the website includes all past and present watershed outreach materials for download. Materials are organized by topic to make it easier to see what is available. Materials for each topic include text for websites, newsletters, posters, blogs and social media posts. The website also has a blog page with blogs for all of the topics that members can link to. The blog page also provides a place for site visitors to find information. Examples of materials created are attached at end of report. For the winter season www.SaltSmart.org website is also used as a clearinghouse of winter BMPs for residents, public agencies and private deicing companies. This website provides a wider reach beyond the Lower DuPage River watershed, LDRWC is an active partner in the Salt Smart Collaborative.

  Watershed outreach topics:

  - Spring – Outdoor Water Conservation Tips, Green Infrastructure Series – Rainwater Harvesting & Bioswales

- Summer – Wastewater Treatment Plant Series - Overview, Green Infrastructure Series – Green Roofs, Watershed Ecology - Macroinvertebrates
- Fall – Yard Waste & Dumping, Green Infrastructure Series – Permeable Pavement
- Winter – Stay Safe & Salt Smart, Find Your "Why" to be Salt Smart, Salt Smart Practices

LDRWC also maintains a Facebook page and posts all materials developed so that communities can just share the posts if that is easier. https://www.facebook.com/lowerdupageriverwc

2. Public Involvement and Participation **–** LDRWC worked with members to provide resources on setting up rain barrel sales program and materials to encourage residents to install rain barrels and rain gardens to help minimize stormwater runoff from residential properties.

The LDRWC worked with The Conservation Foundation and the Salt Smart Collaborative to make the "Salt Smart & You" eight panel, bi-lingual exhibit (Figure 1) available to communities to help engage residents in conversations around winter salt use. Salt Smart Save More cups were provided with the exhibit to hand out to residents.

Figure 1 Salt Smart You Exhibit and Salt Smart Cups

Additionally, LDRWC partnered with The Conservation Foundation and the Illinois RiverWatch to expand the Winter Chloride Watchers Program in northeastern Illinois (Figure 2). Four in-person and two virtual volunteer trainings were held regionally with 164 participants. 116 of those participants signed up to monitor chlorides throughout monthly from November to May at 122 new sites. The volunteer trainings including information about how chlorides impact water quality and our local environment, what types of practices can be used by municipalities and residents to reduce chloride impact while keeping people safe and how to use the test kits and upload their data. The program utilizes the Water Rangers online platform which allows participants and the public to see results as soon as they are posted. An annual report will be assembled in June.

Figure 2 Winter Chloride Watchers Flyer

3. Illicit Discharge Detection and Elimination – no activities

4. Construction Site Storm Water Runoff Control - no activities

5. Post-Construction Stormwater Management in New Development and Redevelopment - no activities

6. Pollution Prevention/Good Housekeeping for Municipal Operations

Chloride Reduction Workshops

In 2023 the LDRWC partnered with Lower Des Plaines Watershed Group, Chicago Area Waterways Chloride Workgroup, DRSCW, The Conservation Foundation and Lake County Stormwater/Health Department to jointly offer five Winter Deicing Workshops, three on Public Roads and two on Parking Lots and Sidewalks using the newly created "Salt Smart Certified Parking Lots & Sidewalks" training based on the newly released *Illinois Winter Maintenance Manual for Parking Lots and Sidewalks*. Registration was widely advertised throughout northeastern Illinois (Figure 3). Accordingly, the webinars were attended by staff in DuPage, Will, Kane, Lake, McHenry, Boone, Cook and Winnebago counties.

Public Roads Deicing Workshops were held on September 26, October 4, and October 10, 2023. Bolton & Menk from Minnesota was engaged to present the material. A registration fee was required per agency in order to participate in the training. The links were sharable so the webinars could be viewed individually or in groups. Based on polling results, a minimum of 680 people participated in the three workshops.

The Salt Smart Certified Parking Lots and Sidewalks Workshop were held on September 27 and October 17 presented by the Salt Smart Collaborative. Based on polling results a minimum of 340 people participated in the two workshops. Certificates of attendance were provided to those who requested them. Evaluation surveys were sent to the persons who logging in to the webinars. A link to the *Illinois Winter Maintenance Manual for Parking Lots and Sidewalks* was provided to each registrant. Participants in all of the workshops were able to ask questions through the chat function and were answered by Bolton & Menk staff, Workgroup staff as well as others participating in the training.

Figure 3 Welcome & Introduction to Parking Lots & Sidewalks Presentation & Registration Flyer

Qualifying State, Country or Local Program

Not applicable to the work of the LDRWC.

C. Sharing Responsibility

This report outlines the activities conducted by the LDRWC 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.

D. Reviewing and Updating Stormwater Management Programs

Not applicable to the work of the LDRWC.

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 LDRWC 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.)

BIOASSESSMENT

Overview and Sampling Plan

A biological and water quality survey, 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 LDRWC bioassessment is the latter. The LDRWC bioassessment program began in 2012 with sampling 26 stations in the Lower DuPage River watershed. In 2015 an additional 15 stations were added for a total of 41 stations monitored. Forty-one stations were sampled in the summer of 2018 and 2021 (Figure 4). The bioassessment program functions under a quality assurance plan agreed on with the Illinois Environmental Protection Agency.

The LDRWC 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 watershed 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 LDRWC at https://ldpwatersheds.org/about-us/lower-dupage-river-watershed-coalition/our-work/reports-resources/ 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 by the DuPage River Salt Creek Workgroup to help determine and prioritize remedial projects and is now updated to incorporate Lower DuPage River watershed data. The updated version of the IPS model update was completed in 2022 and is being utilized to identify and design restoration projects aimed at improving aquatic life scores.

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 1 and illustrated in Figure 4.

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.

Figure 4 Lower DuPage River Watershed bioassessment monitoring sites for 2015, 2018 and 2021

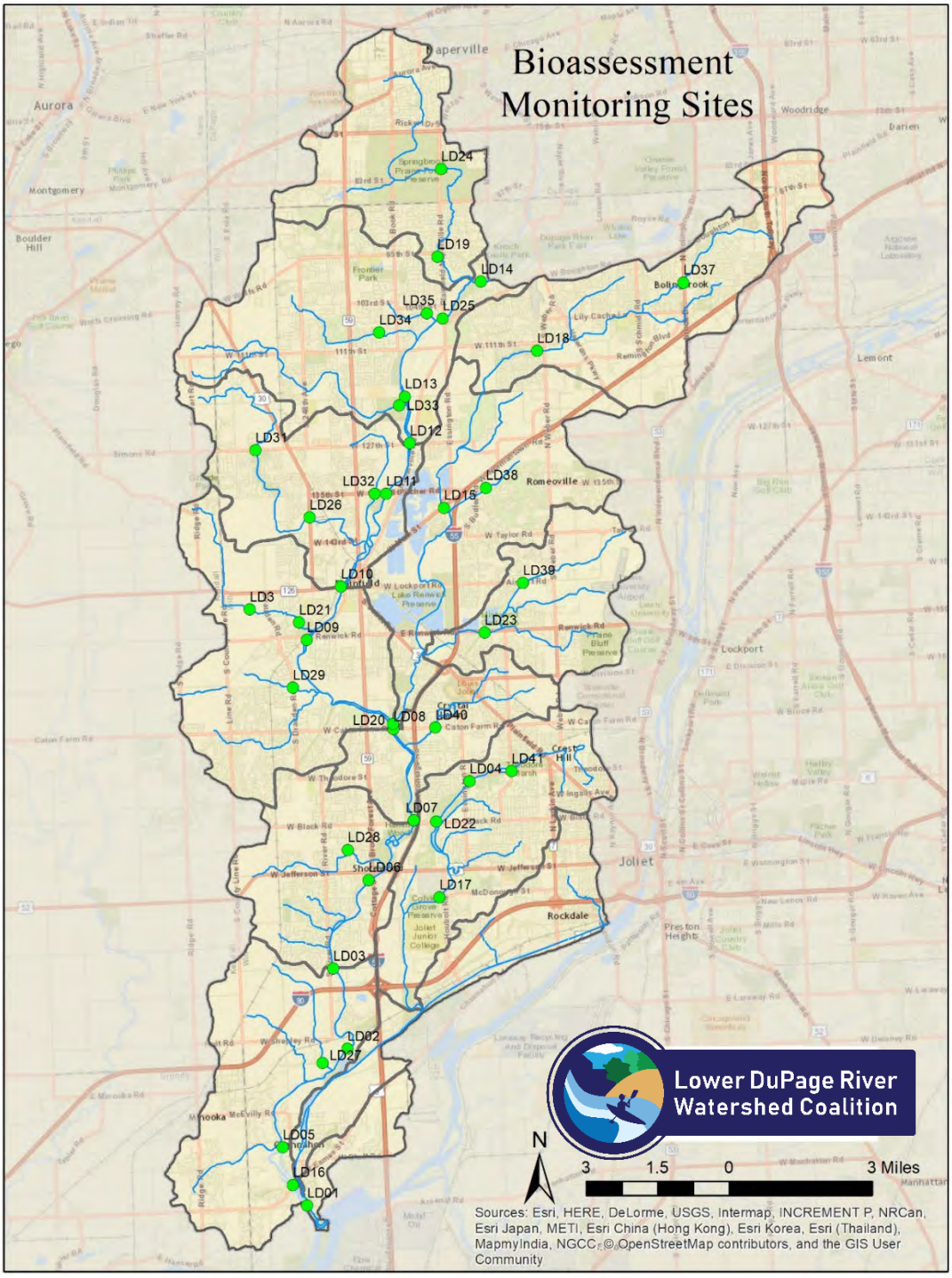


Table 1 Number of sampling sites in the LDRWC project area.

Method/Protocol	Lower DuPage River (2012)	Lower DuPage River (2015, 18 & 21)
Biological sampling	26	41
Fish	26	41
Macroinvertebrates	26	41
QHEI	26	41
Water Column Chemical/Physical Sampling		
Nutrients*	26	41
Water Quality Metals	26	41
Water Quality Organics	8	0
Sediment Sampling	7	7

*Also included indicators of organic enrichment and ionic strength, total suspended solids (TSS), DO, pH and temperature. Chlorophyll a sampling was added in 2021.

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.

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 lineal 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

The fish sampling results presented in this report summarize the findings for the mainstem reaches of the DuPage River from the 2018 Bioassessment. Information on the tributaries and detailed analysis of all results can be found at https://ldpwatersheds.org/about-us/lower-dupage-river-watershed-coalition/our-work/reports-resources/ Results from the 2021 bioassessment will be available later in 2024.

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 produces 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.

DuPage River

As in previous studies, fish assemblages in the lower DuPage River watershed ranged from poor to good in 2015 (Figure 5), but in 2018 three sites in the mainstem fully attained the Illinois general aquatic life thresholds and a fourth site was added in 2021. The only site with consistently good quality assemblages during all surveys is found in the Channahon Dam tailwaters, a short reach wedged in between the dam and the Des Plains River. Mainstem fish communities at most sites have improved since 2012 and 2015, and no sites were in the poor range in 2021 except for within the Channahon Dam pool. In contrast to the mainstem, conditions in the tributaries tended to improve from mostly poor, to mostly fair quality between 2012 and 2015, regressed somewhat in 2018, and have rebounded in 2021 (Figure 6).

Figure 5 Fish Index of Biotic Integrity (fIBI) scores for the Lower DuPage River from 2012-2021, in relation to municipal WWTPs and existing low head dams (noted by bars adjoining the x-axis). The shaded region demarcates the "fair" narrative range.

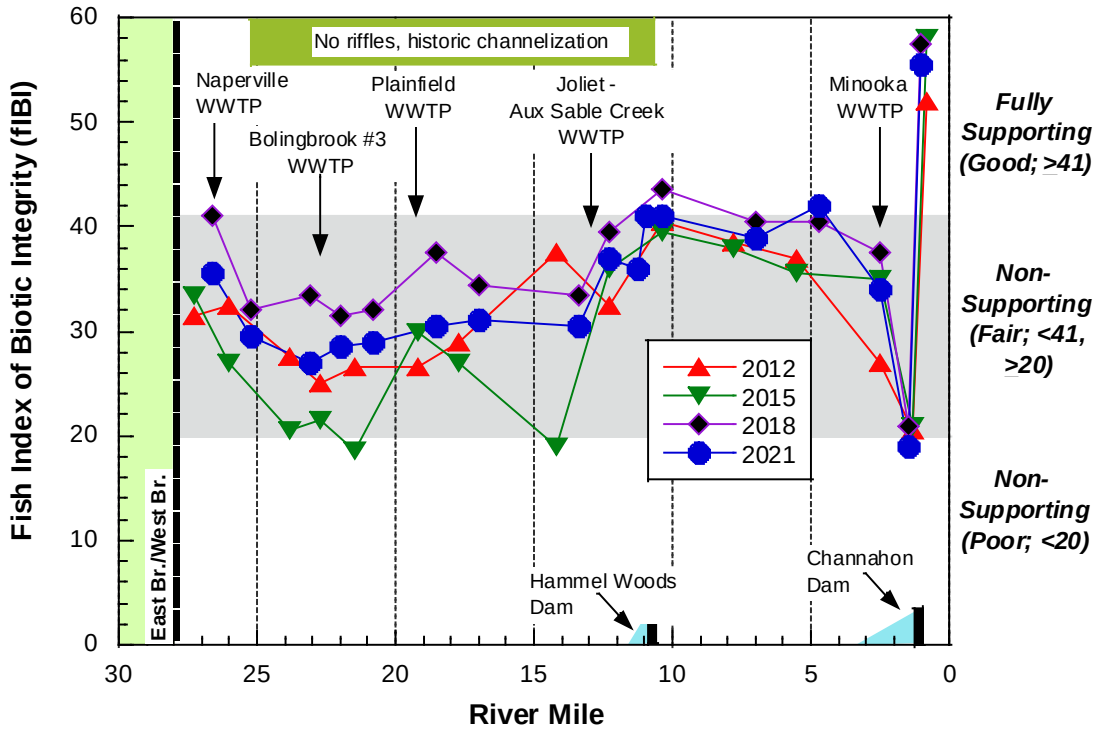
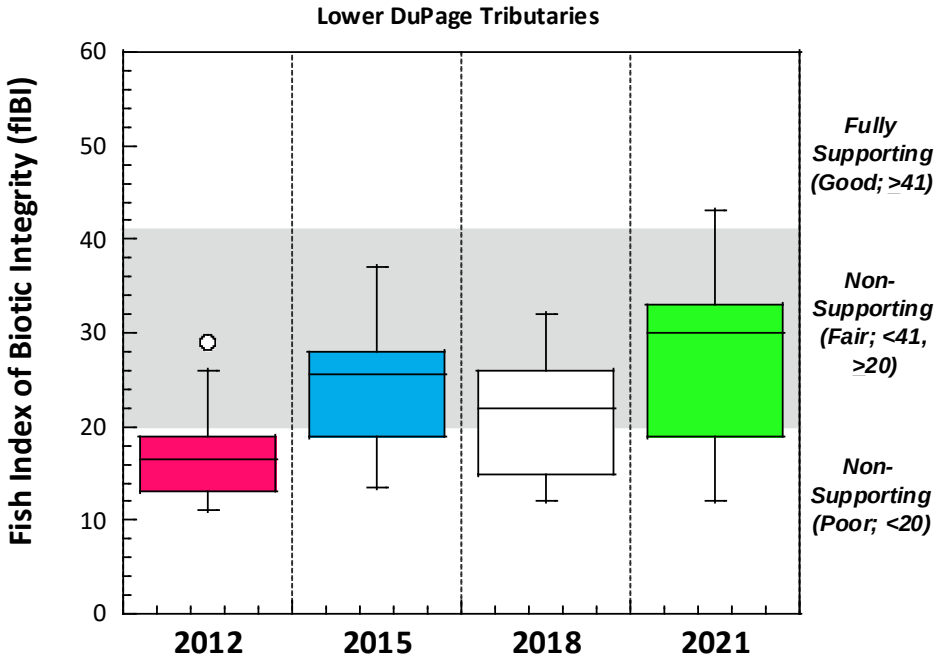


Figure 6 Box and whisker plot of fIBI scores from Lower DuPage River tributary sites from 2012-2021



MACROINVERTEBRATES

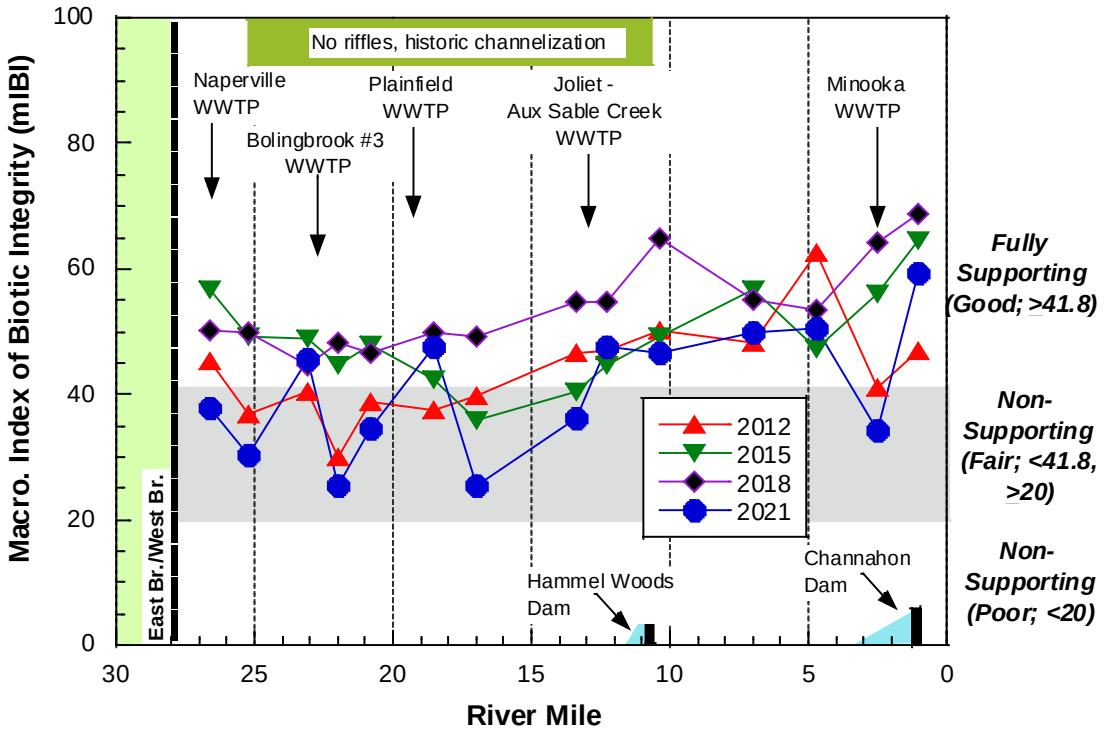
Methodology

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

The macroinvertebrate sampling results presented in this report summarize the findings for the mainstem reaches of the DuPage River. Information on the tributaries and detailed analysis of all results from 2018 can be found at https://ldpwatersheds.org/about-us/lower-dupage-river-watershed-coalition/our-work/reports-resources/ Figure 7 summarizes data from 2012-2021, further analysis of results will be provided in the final report that will be available later in 2024.

Figure 7 Macroinvertebrate Index of Biotic Integrity (mIBI) scores for the Lower DuPage River from 2012 - 2021 in relation to municipal WWTPs and existing low head dams (noted by bars adjoining the x-axis). The shaded region 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

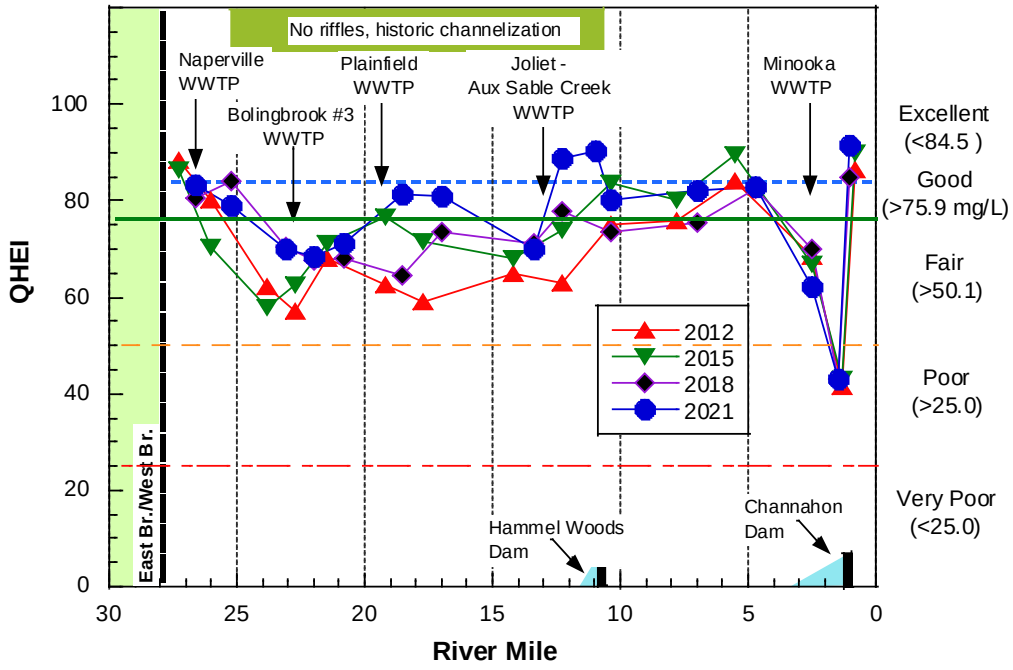
The QHEI data presented in this report summarize the findings for the mainstem reaches of the Lower DuPage River. Information on the tributaries and detailed analysis of all results can be found at https://ldpwatersheds.org/about-us/lower-dupage-river-watershed-coalition/our-work/reports-resources/

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.

DuPage River

As in previous surveys, 2021 DuPage River habitat quality varied by location but was more than adequate to support warm water communities throughout most of its 27.8-mile length (see Figure 8). Extreme upper mainstem habitats remained clearly exceptional, but continued to decline to the lower good range in the sluggish, historically channelized reach between the Naperville WWTP and the Hammel Woods low-head dam (~ RMs 25-10.6). Two projects have been identified to improve habitat and dissolved oxygen levels within this reach. The first project was completed in 2021 to remove the Hammel Woods dam, QHEI data reflects improvement in this stretch. The second project location will be located between Lockport Street and Renwick Road in Plainfield. A design, engineering and permitting contract was signed in February of 2022. Site survey work was completed in the summer of 2022. Final design, engineering, permit submittal was completed in November 2023. Final documents and bid package will be completed as soon as permits are received. Construction of stream restoration project is anticipated to be completed by the end of 2024.

Figure 8 Qualitative Habitat Evaluation Index (QHEI) scores and narrative ranges in the Lower DuPage River in from 2012-2021 in relation to municipal WWTPs and existing low head dams (noted by bars adjoining the x-axis). QHEI scores less than 45 are often typical.



Water and Sediment Chemistry

Methodology

Water column and sediment samples are collected as part of the LDRWC bioassessment programs. The total number of sites sampled is detailed in Table 1. 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. Organics sampling is a single sample done at a subset of sites. Sediment sampling is done at a subset of 41 sites using the same procedures as IEPA.

The parameters sampled for are included in Table 1and can be grouped into demand parameters, nutrients, demand, and metals. Locations of sample sites are shown on Figure 5. All sampling occurs between May and October of the sample year. The Standard Operating Procedure for water quality sampling can be found at https://ldpwatersheds.org/about-us/lower-dupage-river-watershed-coalition/our-work/reports-resources/

Table 2 . Water Quality and sediment Parameters sampled as part of the LDRWC Bioassessment Program.

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

Results

The discussion presented below focuses on the constituents listed in the MS4 permit: total suspended solids, total nitrogen, total phosphorus, and chlorides. Total nitrogen is presented as ammonia, nitrate, and total kjeldahl nitrogen (TKN). Fecal coliform sampling was added to the 2021 bioassessment.

Lower DuPage River - Chemical Water Quality

As discussed in previous reports, nutrient levels in the Lower DuPage River mainstem are heavily influenced by WWTP inputs from its sources upstream, the East and West Branches. In each Lower DuPage survey, phosphorus and nitrate levels have ranged from highly elevated to slightly elevated (based on NE Illinois IPS Model thresholds), depending largely on flow conditions and contributions from upstream point sources. Concentrations have tended to be highest in the extreme upper mainstem, nearer to the confluence with the branches. Under very low-flows in 2012, nitrates routinely exceeded the 10 mg/l criterion in the upper reach and phosphorus was almost entirely above the recommended 1.0 mg/l effluent limit from headwaters to mouth. In both surveys, contributions from WWTPs along the Lower DuPage mainstem may have helped maintain nutrient levels but parameters experience minimal change downstream from the discharges. Both median and mean ammonia concentrations were near or below detection throughout the DuPage River mainstem in 2012 and 2015, but there was an increase in ammonia in 2018, albeit in the IPS fair range, but none were

exceedances of water quality criteria that depend on temperature and pH**.** This likely originated in the upper part of the watershed. The full 2018 Bioassessment Report is available at https://ldpwatersheds.org/about-us/lower-dupage-river-watershed-coalition/our-work/reports-resources/
Results from the 2021 Bioassessment will be available later in 2024.

Lower Des Plaines Watershed Group (LDWG)
ILR40 Activities
March 2023 – February 2024

PART I. COVERAGE UNDER GENRAL PERMITS ILR40

Not applicable to the work of the LDWG.

PART II. NOTICE OF INTENT (NOI) REQUIREMENTS

Not applicable to the work of the LDWG.

PART III. SPECIAL CONDITIONS

Not applicable to the work of the LDWG.

PART IV. STORM WATER MANAGEMENT PROGRAMS

A. Requirements

Not applicable to the work of the LDWG.

B. Minimum Control Measure

1. Public Education and Outreach on Stormwater Impacts

LDWG outreach activities for 2023-2024 included:

- The joint website for the LDWG and Lower DuPage River Watershed Coalition has been maintained with updated information for the general public on local water quality issues and what they can do to help, as well as more information on the monitoring program, outreach program, NARP and Chloride TLWQS. The URL is www.LDPWatersheds.org
- Watershed Outreach materials were developed and shared with member throughout the year. The "Outreach Materials" page on the website includes all past and present watershed outreach materials for download. Materials are organized by topic to make it easier to see what is available. Materials for each topic include text for websites, newsletters, posters, blogs and social media posts. The website also has a blog page with blogs for all of the topics that members can link to. The blog page also provides a place for site visitors to find information. Examples of materials created are attached at end of report. For the winter season www.SaltSmart.org website is also used as a clearinghouse of winter BMPs for residents, public agencies and private deicing companies. This website has provided a wider reach beyond the Lower Des Plaines watershed, LDWG is an active partner in the Salt Smart Collaborative.

  Watershed outreach topics:
  - Spring – Outdoor Water Conservation Tips, Green Infrastructure Series – Rainwater Harvesting & Bioswales
  - Summer – Wastewater Treatment Plant Series - Overview, Green Infrastructure Series – Green Roofs, Watershed Ecology - Macroinvertebrates

- Fall – Yard Waste & Dumping, Green Infrastructure Series – Permeable Pavement
- Winter – Stay Safe & Salt Smart, Find Your "Why" to be Salt Smart, Salt Smart Practices

LDWG also maintains a Facebook page and posts all materials developed so that communities can just share the posts if that is easier.
https://www.facebook.com/lowerdesplaineswatershedgroup

2. Public Involvement and Participation **–** LDWG worked with members to provide resources on setting up rain barrel sales program and materials to encourage residents to install rain barrels and rain gardens to help minimize stormwater runoff from residential properties.

The LDWG worked with The Conservation Foundation and the Salt Smart Collaborative to make the "Salt Smart & You" eight panel, bi-lingual exhibit (Figure 1) available to communities to help engage residents in conversations around winter salt use. Salt Smart Save More cups were provided with the exhibit to hand out to residents.

Figure 1 Salt Smart You Exhibit and Salt Smart Cups

Additionally, LDWG partnered with The Conservation Foundation and the Illinois RiverWatch to expand the Winter Chloride Watchers Program in northeastern Illinois (Figure 2). Four in-person and two virtual volunteer trainings were held regionally with 164 participants. 116 of those participants signed up to monitor chlorides monthly from November to May at 122 new sites. The volunteer trainings including information about how chlorides impact water quality and our local environment, what types of practices can be used by municipalities and residents to reduce chloride impact while keeping people safe and how to use the test kits and upload their data. The program utilizes the Water Rangers online platform which allows participants and the public to see results as soon as they are posted. An annual report will be assembled in June.

Figure 2 Winter Chloride Watchers Flyer

3. Illicit Discharge Detection and Elimination – no activities

4. Construction Site Storm Water Runoff Control - no activities

5. Post-Construction Stormwater Management in New Development and Redevelopment - no activities

6. Pollution Prevention/Good Housekeeping for Municipal Operations

Chloride Reduction Workshops

In 2023 the LDWG partnered with Lower DuPage River Watershed Coalition, Chicago Area Waterways Chloride Workgroup, DRSCW, The Conservation Foundation and Lake County Stormwater/Health Department to jointly offer five Winter Deicing Workshops, three on Public Roads and two on Parking Lots and Sidewalks using the newly created "Salt Smart Certified Parking Lots & Sidewalks" training based on the newly released *Illinois Winter Maintenance Manual for Parking Lots and Sidewalks*. Registration was widely advertised throughout northeastern Illinois (Figure 3). Accordingly, the webinars were attended by staff in DuPage, Will, Kane, Lake, McHenry, Boone, Cook and Winnebago counties.

Public Roads Deicing Workshops were held on September 26, October 4, and October 10, 2023. Bolton & Menk from Minnesota was engaged to present the material. A registration fee was required per agency in order to participate in the training. The links were sharable so the webinars could be viewed individually or in groups. Based on polling results, a minimum of 680 people participated in the three workshops.

The Salt Smart Certified Parking Lots and Sidewalks Workshop were held on September 27 and October 17 presented by the Salt Smart Collaborative. Based on polling results a minimum of 340 people participated in the two workshops. Certificates of attendance were provided to those who requested them. Evaluation surveys were sent to the persons who logging in to the webinars. A link to the *Illinois Winter Maintenance Manual for Parking Lots and Sidewalks* was provided to each registrant. Participants in all of the workshops were able to ask questions through the chat function and were answered by Bolton & Menk staff, Workgroup staff as well as others participating in the training.

Figure 3 Welcome & Introduction to Parking Lots & Sidewalks Presentation & Registration Flyer

Qualifying State, Country or Local Program

Not applicable to the work of the LDWG.

C. Sharing Responsibility

This report outlines the activities conducted by the LDWG 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.

D. Reviewing and Updating Stormwater Management Programs

Not applicable to the work of the LDRWC.

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 LDWG began a monitoring program in the summer of 2018 that meets the following monitoring objectives and requirements outlined in the permit:

- Measuring pollutants over time
- Sediment monitoring
- Assessing physical and habitat characteristics such as stream bank erosion caused by storm water discharges
- Collaborative watershed-scale monitoring
- Ambient monitoring of total suspended solids, total nitrogen, total phosphorus, fecal coliform, and chlorides

The bioassessment monitoring is split over a five-year cycle with four (4) years of sampling and one (1) year of program assessment. The first five-year cycle was completed in 2022. The first year of the cycle included twenty-nine (29) identified sites on the mainstem Des Plaines River from the confluence with the Kankakee River up to the I-355 bridge. The remaining thirty-three (33) mainstem sites were scheduled for sampling in Year 2. In addition to the mainstem Des Plaines River sites, forty (40) sites were sampled across the Hickory Creek watershed in Year 3. The remaining fourteen (14) tributaries, forty-eight (48) sites were sampled in Year 4. Details of the bioassessment program are below and the schedule for the second five-year cycle can be found in Table 1. Draft reports for the Mainstem Des Plaines River and the Hickory Creek Watershed are under final review and will soon be posted to the website. The report for the Year 4 sampling of tributaries will be made available for review in late spring of 2024 and posted to the website by late summer.

Bioassessment

A biological and water quality survey, 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 LDWG bioassessment is the latter. The Bioassessment includes fish, macroinvertebrate, QHEI – habitat and water chemistry at all sites and sediment sampling at a subset of sites.

Table 1 Bioassessment Schedule

Watershed	Sampling Year	# of Stations
Lower mainstem Lower Des Plaines River	2023	28
Upper mainstem Lower Des Plaines River + northern tributaries	2024	33
Hickory Creek subwatershed	2025	40
Remaining Tributaries	2026	48
Off year for sampling	2027	0

The LDWG 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 Des Plaines River watershed to track and understand changes through time in response to abatement actions or other influences.

The data collected as part of the bioassessment is processed, evaluated, and synthesized as a biological and water quality assessment of aquatic life use status. The assessments are directly comparable to previously conducted bioassessments such that trends in status can be examined and causes and sources of impairment can be confirmed, amended, or removed. A final report containing a summary of major findings and recommendations for future monitoring, follow-up investigations, and any immediate actions that are needed to resolve readily diagnosed impairments is prepared following each bioassessment. The bioassessment reports will be posted on the LDWG website. It is not the role of the bioassessments to identify specific remedial actions on a site specific or watershed basis.

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 1 and illustrated in Figure 1. Field reconnaissance will be needed to confirm suitability of sites prior to sampling season.

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.

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.

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 lineal 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.

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.

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.

Chemistry

Methodology

Water column and sediment samples are collected as part of the LDWG bioassessment programs. The number of samples collected at each site is largely a function of the site's drainage area with the frequency of sampling increasing as drainage size increases. Grab sample is taken at center of flow. Temperature, dissolved oxygen, pH and conductivity are sampled in the field. Sediment sampling is done at a subset of 158 sites using the same procedures as IEPA.

The parameters sampled for are included in Table 2 and can be grouped into demand parameters, nutrients, demand, metals and organics. All sampling occurs between May and October of the sample year.

Figure 4 Lower Des Plaines River Bioassessment Stations. Year represents order of sampling within bioassessment 5-year cycle – 5th year no sampling.

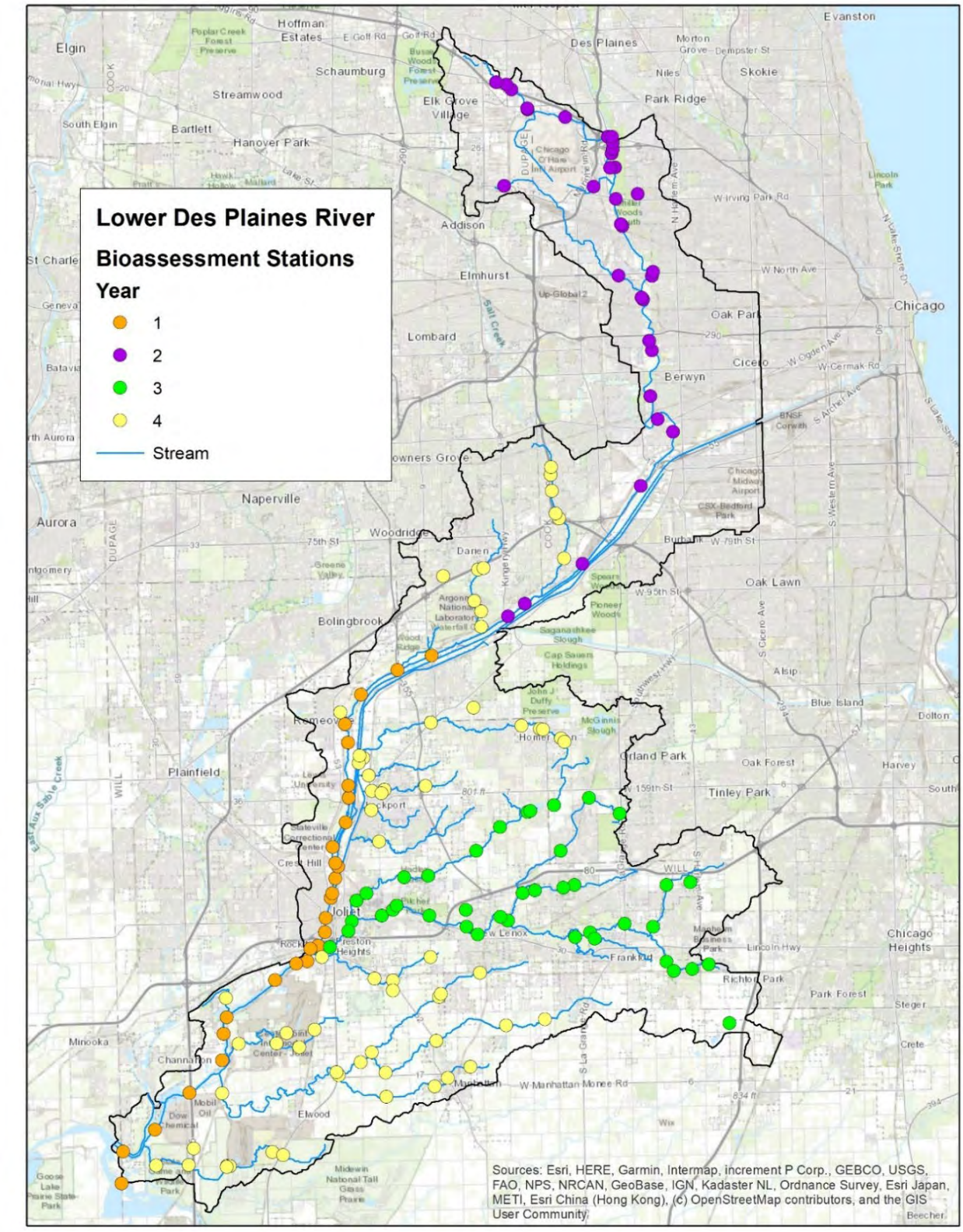


Table 2 Water Quality and sediment Parameters sampled as part of the LDWG Bioassessment Program.

Water Quality Parameters	Sediment Parameters
Demand Parameters 5 Day BOD Chloride Conductivity Dissolved Oxygen Chlorophyll a pH Temperature Total Dissolved Solids Total Suspended Solids **Nutrients** Ammonia Nitrogen/Nitrate Nitrogen – Total Kjeldahl Phosphorus, Total Chlorophyll-a (new in 2020) **Metals** Cadmium Lead Calcium Magnesium Copper Zinc Iron	**Sediment Metals** Arsenic Barium Cadmium Chromium Copper Iron Lead Manganese Nickel Potassium Selenium Silver Zinc **Sediment Organics** Organochlorine Pesticides PCBS Percent Moisture Semi-volatile Organics Volatile Organic Compounds

Fecal Coliform

In 2023 fecal coliform was collected at five (5) sites on the Des Plaines River. Grab samples were collected at center of flow five (5) times within a thirty (30) day period. Results from the fecal coliform sampling can be found in Table 3.

Table 3 2023 Fecal Coliform data - Results in Colony Forming Units (CFU)/100 ml

IEPA Segment	Station ID	Location	10/11/2023	10/18/2023	10/23/2023	10/26/2023	10/30/2023
Des Plaines River			Results in cfu/100ml				
G-24	LDG03	Downstream I-55 Bridge	<50	<50	<50	<50	<50
G-23	LDG12	Downstream McDonough Street	<50	<50	<50	<50	<50
G-23	LDG14	Upstream Ruby Street	<50	<50	<50	<50	<50
G-11	LDG19	Upstream Power House Drive	<50	<50	<50	<50	<50
G-02	LDG25	Downstream Lemont Road	<50	<50	<50	<50	<50

Certificate of Attendance

Public Roads Deicing Workshop

Webinar presented Bolton Menk, Inc.

September 26, 2023

John Ashley

Village of Channahon

4 PDHs

Certificate of Attendance

Public Roads Deicing Workshop

Webinar presented Bolton Menk, Inc.

September 26, 2023

Jeff Baranoski

Village of Channahon

4 PDHs

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Travis McConnaughay

Village of Channahon

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Mike Pejkovich

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Jacob Price

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Justin Schultz

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Matt Serdar

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Brendon Steg

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Eric Stobaugh

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Jim Kenney

Village of Channahon

4 PDHs

Please write down all attendees from your organization that need a certificate of attendance

First Name	Last Name	Agency	
John	Ashley	Village of Channahon	
Randy	Eiler	Village of Channahon	
Jim	Kenney	Village of Channahon	
Jeff	Barrett	Village of Channahon	Please send all certificates to this email address: jbarrett@
Travis	McConnaughay	Village of Channahon	
Peter	Cappellini	Village of Channahon	
Jeff	Baranoski	Village of Channahon	
Gordon	Browning	Village of Channahon	
Eric	Stobaugh	Village of Channahon	
Brendon	Steg	Village of Channahon	
Steve	Choate	Village of Channahon	
Matt	Karalow	Village of Channahon	
Justin	Schultz	Village of Channahon	
Jacob	Price	Village of Channahon	
Matt	Serdar	Village of Channahon	
Mike	Pejkovich	Village of Channahon	

PUBLIC WORKS DEPARTMENT

SNOW POLICY

CONTENTS

OBJECTIVE

Provide reasonable road conditions for traffic flow throughout the winter driving season. The first events of the season are the most critical. Drivers are not accustomed to driving on snow/ice. Road surface temperatures may be near freezing point. Minimize the ice to road bond that causes hazardous driving.

SECTION A - SNOW POLICY

A) Roads are to be completed in the following order and in the manner prescribed. All of the below statements may change depending on weather conditions and/or administration direction:

1) **MAINS**: Curbed and salted to bare pavement at all times regardless of the snow amount. All roads coming out onto a main are to be plowed and salted 75 feet back from the intersection unless otherwise instructed.

2) **SECONDARIES**: Curbed and salted to bare pavement at all times regardless of the snow amount.

3) **SIDESTREETS:** To be done based on your supervisors instructions.

4) **COURTS AND EYEBROWS:** To be done based on your supervisors instructions.

B) **ICING**: All areas to be fully salted regardless of time.

C) **PRETREATMENT:** If required, will be done on regular time only. When pretreatment of roads are required, rock salt will only be used with the Superintendents approval. This method is more wasteful than effective but could be used in certain situations. At the beginning of the snow season areas will be specified to receive said pretreatment.

D) **SCHOOL ZONES:** To be bare pavement for school days only at 7 AM and/or 2 PM if on regular time.

SECTION B - SNOW REMOVAL CALLOUT PROCEDURE

A) Snow is considered an emergency situation and makes everything normally done subject to change. Starting times, hours and days worked will be determined by snow command based on weather conditions and man power. Under normal circumstances the Street Division will be called in first off the rotating snow rooster. The Utilities Division will be used to back-up the Street Division as needed using their rotating snow roster. Depending on the circumstances, snow removal operations may involve the entire Public Works Department working at once or may require splitting them into two distingue crews for shift duty.

B) If Snow Command must split the department into separate crews for shift work the following guidelines will be followed:

1) The system involves the rotation between two teams: the Red and the Blue. The rotation concerns which team starts each storm.

2) Normal shifts will start at or between the following times:
0000 hours to 1200 hours*
1200 hours to 2400 hours*
* There is an additional 2 hour callout possibility at the beginning of each shift due to a minimum 2 hour callout stated in policies set elsewhere. Example: If you are called in at 2230 hours to start a storm which means you would work until 1200 hours or a total of 13.5 hours for your shift.

3) How a shift might work.

Example #1:

- Blue crew is on call first.
- Blue crew are called out at 0200 hours.
- Blue crew works until 1200 hours.
- Red crew reports to work at their normal time of 0730 hours to start their normal day. They will take over at 1200 hours and continue snow removal operations until completed or until the Blue crew reports in at 2400 hours.
- Once the storm is over, the first crew up to start next storm will be Red.

Example #2:

- Blue crew is up.
- Storm begins during the normal work day.
- Normal Street Department will handle snow operations.
- If needed, Blue crew will stay after normal working hours until cleaned up or 2400 hours which ever comes first.
- If they work until 2400 hours and the village is not complete Red crew will be called in at 2400 hours to complete or continue clean-up.
- Once the storm is over, the first crew up to start next storm will be Red.

4) The beginning time of a storm starts from the time the first call is given to the first driver.

5) All snow related callouts of icing, drifting, etc. but not limited to, are made at any time off the snow roster.

6) There is generally at least an 8 hour period after the end of a shift before an individual will be called back between snow callout operations. Snow Command will practice this procedure as best as possible but may not always be practical.

7) Any time that a snow call goes out sooner than 6 hours after the previous one has ended, this is considered 1 storm regardless of length. Call out for this will be based on the type of call out and/or how many drivers are needed.

C) If the crews are not split and the entire department is used to plow, Snow Command will determine length and time the crew will stay and what kind of action will be taken.

D) Changing places or covering for other drivers is not permissible unless allowed by the Superintendent.

E) The master Snow Board will be on display at the Blackberry Facility.

F) Employees will take breaks during snow removal operations, but must contact the supervisor in charge and request permission.

SECTION C - SNOW EXEMPTION POLICY

A) TIME OFF FOR SNOW DRIVERS

Snow removal season generally runs from November 1 to April 1, though it is acknowledged that there really is no actual set snow season. November 1 to April 1 are only used for convenience and have no actual legal standing. These dates are used as discussion points only.

It is acknowledged that time off during snow removal season is often unavoidable. Due to the importance of snow removal operations, time off requests of snow drivers must be more strictly limited than other times of the year. It is the policy of the department to grant requested time off to only one (1) snow driver at any given time. If needed by necessity, time off can be cancelled by Snow Command at any time.

Reference Union handbook, Section 5.7, Section 5.8 and Section 5.9

SECTION D - SNOW REMOVAL PROCEDURES

A) CALLOUTS:

1) Snow callouts are considered mandatory attendance.

2) Callouts may run off the red/blue scheduling, when demined necessary.

3) People previously reported as sick, exempted, or on vacation will not be called unless it is deemed unavoidable necessary by the Village.

4) Inexperienced personnel (*) will ride-along/train until otherwise so stated by the snow supervisors.

5) When notified to report, the employee is expected to come in as fast as possible. Prolonged delays from call-time to report-time may be questioned and may be subject to disciplinary action.

B) CHECKING IN:

1) **All snow shift personnel** will check in at the Public Works facility on Blackberry Road.

2) Take the correct equipment/paperwork with you when on snow shift:

   a) **Route book:** Take the correct book (in truck). Make certain you know which route you are in, where that route is located in the Village and where your route begins.

   b) **Truck checkout sheet:** Fill it out completely on both sides. Do not carry a checkout sheet over from driver to driver or from truck to truck. Failure to properly fill out the paperwork is unacceptable. (See pages 14 – 15)

   c) **Snow Removal Operations Sheet:** Same procedure as truck checkout sheet. Anytime you take a truck to do snow removal operations you must fill one of these out. (See page16)

   d) **Hand equipment:** If needed, take flashlight, crowbar, etc.

C) REMOVAL OPERATIONS:

1) Breaks: Normally taken at the closest place to your route and only with the supervisor's permission.

2) At the start of the shift, quickly and efficiently check out your assigned vehicle, plow, spreader and radio before leaving the garage area. Report any problems to the supervisor.

3) If the plow blade is less than ¾" below the moldboard, report this to the supervisor.

4) Plow, salt, open and curb your route as per the supervisor's instructions.

5)The following definitions are to be in effect:

a) **Full Salt:** To fully salt the entire road surface.

b) **Spot Salt:** To salt all intersections and to salt a 75 foot long stretch every 300 feet between intersections and fully salt all hills and curves.

c) **Salt Only:** To use salt as instructed while plowing only when deemed fully necessary.

d) **Plow Only:** To plow only while not salting unless so instructed.

e) **Open Only:** To open street in each direction.

f) **Open Only with Courts:** When running the side routes under Open you will include all the court throats and eyebrows on that map page even if the court is listed as being on a main or secondary, unless the court is uninhabited or does not yet exist. When opening the bubbles of courts and eyebrows, you will run your pass in such a way while articulating your plow so as to aim the snow towards the center of the bubble away from the curb while leaving at least an 8 foot cleared path. This may mean running 2 trips around the bubble.

g) **Curb:** The road center must be cleared first, if not already done. Curbing means to get the snow within 1 foot of the actual curb. Except for parked cars, badly jutting mailboxes or large and damaging tree branches, **NO** road will be considered curbed if the snow is more than 1 foot from the curb. The only exception to this will be the case where the snow is piled so high that it falls down by gravity behind the plow. Roads without curbs are to be plowed at least 1 foot beyond the pavement edge whenever possible, keeping in mind shoulder holes and side ditches.

h) **Corners:** To push back the snow piled around street corners up and onto the parkway. When doing this, sod, and the locations of fire hydrants, manholes, etc., must be kept in mind. The supervisor's permission is needed for this, except in the case of an obviously large and dangerous pile which you feel cannot be left, such as one which will block the view of crossing traffic. Call the supervisor if you have any questions about a particular pile.

i) **Courts:** Means to clear all the snow from the roadway of any court or eyebrow. The snow is to be placed in such areas that will least interfere with driveways, mailboxes and fire hydrants. Pushing snow out of a court or eyebrow and across the road will not be done, unless approved by the supervisor.

j) **Normal:** To plow and salt as usual one section at a time according to the route book.

k) **75 Foot Back:** On certain main routes, off-shoot roads are listed to be plowed and salted for between 75 to 100 feet back away from the main road intersection.

6) Always plow from the centerline to the curb, unless otherwise instructed.

7) All traffic laws apply while driving. Maximum speed limit on all side streets is 20mph. Speed on all other roads will be controlled by your common sense, snow type, road conditions and weather conditions but should never exceed the speed limit.

8) Spread salt at the rate of 300-500 pounds per lane mile and no further out than 3 feet outside the plowed lane unless circumstances such as an ice storm dictate otherwise or unless otherwise instructed.

9) Lane mile: Is the center line distance from start to finish multiplied by the number of lanes. Channahon has 85.4 centerline miles of roadways. (2021)

10) Tandem (2 truck) runs will only be done with supervisor approval. It consists of one combined pass each way on designated roads, except for those roads which need two combined passes. Normally, do not run the curb when doing a tandem run. The wingman (following truck) will salt enough to cover the entire two truck path. When empty, the wingman and the lead truck will switch positions and continue. When the road is opened, report to the supervisor for further instructions.

11) Do not run any road with the truck bed raised.

12) Changing blades are the driver's responsibility, request assistants as needed. If you are not certain of both the changing or safety procedures involved, state so to the supervisor.

13) Minor vehicle repairs are the driver's responsibility. If you cannot make the repair, inform the supervisor.

14) Report all requests for towing/pushing of our equipment to the supervisor.

15) Requests for towing/pushing by non-employees is not to be done. If at all, pass the request on to the supervisor.

16) When the temperature/wind-chill is about 0 degrees during the operation, never let your fuel go below ½ tank. Check with the supervisor for instructions and for fuel line anti-freeze.

17) Unless otherwise stated by a supervisor, drivers are responsible for cleaning up their own mess whether inside the truck or inside the garage area when making repairs, etc.

18) When plowing mains, stay off any other roads whenever possible. When plowing secondaries, stay off side streets whenever possible.

19) Any plowing/salting reported as finished, will be checked by the supervisor.

20) Any street missed but which is reported as done is absolutely unacceptable.

21) Follow your verbal instructions and your route maps. **DO NOT TRUST YOUR MEMORY ON THE ROUTING!**

22) Mars light and all other lights, except for running lights, are to be turned off when you are in the garage except when testing them – no matter how long you stay. This also applies when parking elsewhere for break, loading salt, or fueling.

23) Stop as needed to clear snow from the windshield, air intake and radio antennas.

24) Check your plow condition each hour or immediately after hitting a large plow trip.

25) Drivers will note where the plow trips are in whatever section you are doing, i.e. house address, light pole #, etc. Most are listed in the route book. Take the necessary measures to avoid plow damage due to the trips.

26) Use care when raising the bed on tailgate spreaders to avoid snagging the hydraulic lines.

27) Keep the top of all spreaders clear of large chunks.

28) Leave the salt pad as clear as possible of debris and chunks.

29) Adjust your speed and salt spreading pattern to the road conditions so as to cause as little damage as possible to mailboxes, pedestrians, other vehicles, etc.

30) Do not dawdle with time in any route. Supervisors have a very good idea about the length of time it should take to do any section of any route. If your timing is too slow or much too fast, the situation will be investigated.

D) CHECKING OUT:

1) At the end of shift, drivers are to remain in their routes until called in by a supervisor.

2) Leave the vehicle with a minimum of ½ tank of fuel and ¾ load of salt unless otherwise instructed by the supervisor.

3) Correctly clean the vehicle bed and inside the cab. Park the vehicle in the correct stall, drain the air tanks and plug the vehicle in if required or unless otherwise instructed.

4) Return the hand equipment and route book to their proper place.

5) Complete all paperwork and make certain that the supervisor is aware of the condition in which you left your route.

6) Check out only after the supervisor gives you permission to do so.

7) Put your completed paperwork in the “in” box in the supervisor’s office.

SECTION E - SNOW REMOVAL SAFETY

1) Driving:

a) Normal driving rules of the road apply at all times.

b) Drive with the weather conditions in mind and always realize that you are driving a very large, heavy vehicle which does not stop or handle just like a car.

c) Drive very defensively. Always watch the other guy, others have a tendency not to see your vehicle coming. Always anticipate what the other guy might do.

2) Attaching Plow:

a) Always use two people to do this operation.

b) Do not stand between the truck and the plow hitch when lining up the vehicle.

c) Be very careful when standing behind the plow for attaching. Make sure that a slight push by the vehicle will not tip the plow over upon you.

d) Use great care while putting in any necessary pins, etc. Do not get your fingers caught between two pieces of moving metal.

e) If the plow needs to be elevated, use a floor jack.

3) Loading Salt:

a) If using the loader, do not run with a full bucket in the raised position. This could unbalance the loader. Keep the bucket low when moving and raise it only when by the truck.

b) Do nothing with the loader about which you have any uncertainty as to your capabilities.

4) Grate Cleaning:

a) The reason is for traffic safety. A frozen chunk of salt could roll off your vehicle and hit a car or even you.

b) Turn off the auger and spinner while at the salt pad.

c) In order to avoid spillage of salt while moving, load only to the top of the steel bed. Do not hump the load. Spillage could damage an oncoming car or damage the suspension of a truck.

d) Clear the salt lumps. If you must climb, in order to clean the lumps use extreme care and sure hand grips when climbing up and down. Use even more care while standing on top. Do not balance yourself on the lumps. Keep totally aware and use extreme caution and common sense when carrying out this operation.

e) If you have a tailgate spreader, similar rules apply. Make sure the bed is down all the way and the auger and spinner are off while loading. Only load to the top of the metal bed sides. Remove any chunks. Exercise extreme caution, awareness and common sense when doing this.

5) Blade Changes/Bolt Replacement:

a) Make sure that there is at least one other person nearby to help you during the operation or in case of accident.

b) Use protective glasses and gloves.

c) Wash off the plow first.

d) Put jack stands under the raised plow before any work is done.

e) For a blade change, use the floor jack designed for holding plow blades to move the blade around.

f) Be very careful of the sharp metal edge of the old and new blade.

g) If you need the torch to replace the blade and if you are not very familiar with torching operations, do not attempt to use it. Ask for help. Improperly used, the torches can be very dangerous.

h) Keep yourself aware of the hot metal if a torch is used.

i) At all times, watch out for your fingers and flying bits of metal.

6) Unloading Vehicles:

a) Turn off the auger and spinner at the PTO before climbing into any vehicle bed to unload it. This applies to all vehicle types.

b) **CAUTION!** Make certain that the auger and spinner are not moving before you climb into any truck body or come near any tailgate spreader for cleaning purposes.

c) Do not climb into any tailgate spreader to remove the salt unless there is another person very close at hand.

d) Raise the bed of a tailgate truck, but take the placement of the hoses and spinner in consideration when doing so.

e) Always use extreme care and common sense when unloading.

7) Wash down:

a) Use protective gear and eye protection when washing down any vehicles.

b) When raising the bed to wash out the bed of a tailgate spreader, be very careful not to damage the hoses and spinner assembly.

c) Two people are to be present during the wash down.

8) Safety:

a) Common sense is paramount in snow safety as in any other safety matter. Not all jobs can be made error-proof. No amount of talking, warning signs or safety devices will prevent an accident unless your own common sense rules first. Job knowledge and common sense are key points in any operation. Your personal safety is almost entirely in your personal hands. Use common sense at all times.

b) Do not assume that you know all about the safety of any given operation.

c) Do not be embarrassed to admit a lack of job knowledge concerning an operation. Ask for help and information.

d) Do not do something you are not sure about. Contact your supervisor.

e) Do not take chances in order to get a job done. **The bigger the chance, the bigger the possible injury.**

f) Report all injuries to a supervisor immediately.

g) Report to a supervisor anything which you feel is a safety problem.

h) Make feasible suggestions on any safety issue at any time.

9) Brine making and applications:

a) Brine is to be made in the AccuBatch system to a target concentration of 23.3% indicated on the conductivity analyzer per manufacturers spec.

b) All snow removal equipment outfitted with pre-wet systems shall utilize Brine during every snow event at a rate of 1-1.25 gallon per lane mile.

c) Hot Mix shall be a mixture of 70% Brine and 30% SNI Bio Melt and implemented using the villages water truck for all hot spots and mains within the snow routes for pre-treatment/anti icing purposes at a target rate of 10gallons per lane mile.

VILLAGE OF CHANNAHON
PUBLIC WORKS DAILY EQUIPMENT CHECKLIST

Mar-04

ITEM	Frequency D/W/M	Start up	During/ end	Fluids added	CHECK
BATTERY	M				Water over plates
BELTS/HOSES	W				Frayed, leaking
ENGINE OIL *	D				Check when engine is off
INSTRUMENTS	D				Check
HYDRAULIC OIL *	D				Check when engine is off
LIGHTS/SIGNALS	D				Must function
RADIATOR *	M				water over core
TIRES/LUGS	D				Pressure: looseness
BRAKES *	D/M				Test before leaving
ENGINE	D				Missing power
HORN/HEATER	D				Check
MUD FLAPS	D				Check, replace
POWER TAKEOFF	M				Engaging, shaft operation
STEERING	D				Pulls, loose
TRANS OIL *	D				Check when running
WIPERS	D				Motor, blades
ODD NOISES	D				Anything
AIR TANKS	M				Drain
CAB	D				Clean & check seat belts
MIRROR/WINDOWS	D				Cracked, loose
EXHAUST	D				Pipes, loud
TRUCK BODY	D				Dents, scratches
SUSPENSION	M				Springs, shocks, etc.
AXLE SEALS	W/M				Check for leaks
2-WAY RADIO	D				Check before leaving
OTHER					Anything

EQUIPMENT NO.	
DATE:	
SAFETY INSPECTION, MONTH AND YEAR	
DAILY CHEKOUT	
WEEKLY CHECKOUT	
MONTHLY CHECKOUT	
MILEAGE OUT:	
MILEAGE IN:	
HOURS OUT:	
HOURS IN:	
% STARTING FUEL	
%ENDING FUEL	
UNLEADED	DIESEL
PUMP END	
PUMP START	
TOTAL GALLONS PUMPED	
*IF YOU FUEL, FAX COPY TO POLICE DEPARTMENT.	
FAXED BY:	
DATE FAXED:	
OPERATOR:	
C#:	
SUPERVISOR:	

KEY:
√ FOR OKAY
X FOR ADJUSTMENT NEEDED
XX FOR ADJUSTMENT MADE

FILL IN ALL BOXES WHICH APPLY TO THAT EQUIPMENT
USE A DIFFERENT SHEET FOR EACH PIECE OF EQUIPMENT AND EACH OPERATOR
PUT AMOUNTS OF FLUIDS IN CORRECT BOXES
MAKE COMMENTS ON OTHER SIDE, INCLUDING THINGS REPAIRED DURING USE

THE VEHICLE SAFETY INSPECTION MUST BE COMPLETED WITHIN THE MONTH SHOWN
***REMINDER:** MARK DOWN ALL LUBRICANTS ADDED AND HOW MUCH!

OPERATOR'S NAME:_____

DATE OF REPORT:_____ EQUIPMENT#:_____

OPERATOR'S COMMENTS:_____

_____

_____

_____

_____

_____

_____

_____

_____

SUPERVISOR'S EQUIPMENT DAMAGE REPORT

DATE OF REPORT:_____

DESCRIPTION OF DAMAGE:_____

_____

_____

_____

_____

_____

_____

_____

INVESTIGATED BY:_____ **CHECKED BY:**_____

TITLE:_____ **TITLE:**_____

DATE:_____

ESTIMATED COST OF REPAIRS: PARTS_____ **LABOR**_____

CONTRACT REPAIR_____ **IN-HOUSE REPAIR**_____ **COMBINATION REPAIR**_____

ESTIMATED TIME OF SERVICE:_____

Monthly Brime Production Sheet

DATE	lbs of Salt Used	Gallons made	% of soultion	Name

DATE	ACTION	GALLONS	TONS	RETURNS	PREDICTED EVENT	ACTUAL EVENT	NOTES	JPMC Delivery Date	TONS DELIVERED
31-Oct.-2023	Hot spots	0	6.56	4.6	2 Snow	5" snow	wescom called about icy bridges, Travis M called in	19-Jan.-2024	24.85
22-Nov.-2023	Pre-treat	850	0	0	26th flurries	NA	snow on the 26th		
26-Nov.-2023	Hot spots	0	18.44	13.93	D-1"	2" snow	matt k. called in for hot spots		
28-Nov.-2023	black ice	10	8.28	4.86	NA	ICE	Gordon, Ice due to drifting and ground temps 1-10 before		
29-Nov.-2023	Pre-treat	850	0	0	patchy fog	NA	Ground temp range 15-25, patchy frost spots		
4-Dec. 2023	Pre-treat	900	0	0	Rain/ snow mix	Rain/Sleet	ground temps boarderline through out town		
30-Dec.-2023	Hot spots	0	3.3	1.32	Freezing fog or drizzle	NA	Jake 3.25hrs Sat. pm for hot spots		
2-Jan. 2024	Pre-treat	800	0	0	freezing drizzle	light precip.	3-Jan. 7AM ground temps 30-34.		
5-Jan. 2024	Pre-treat	900	7.83	0	D-1.5" start Jan. 6th	3.5" snow	Storm started the 5th around 8:30pm.		
6-Jan.-2024	Full Crew	300	109.73	0	Flurries	flurries all day	Crew called in at 2:45am-2:15pm		
7-Jan.-2024	Hot spots	10	0	65.62	Flurries	AM hot spots	Eric called in 5:30am-8:30am		
8-Jan.-20224	Pre-treat	750	70.38	0	flurries	1.1"	0.20" per hour, starting 8th PM at 8:30PM, ground and air temp		
9-Jan. 2024	Full Crew	305	35.5	46.08	4-8" Wet Snow	3.0"	3AM crew start, air temps 34 and rising		
10-Jan. 2024	Pre-treat	900	0	0	< 1"-2" Wet Snow	Flurries w/no accumulation	late night 10th into 11th AM		
12-Jan.-2024	Full Crew	315	123.06	0	8-12" Snow/ Rain	6" snow/ Rain	4:30AM-5:45PM, 40-50MPH gusts, Temps 20 and dropping		
13-Jan.-2024	Full Crew	315	112.31	0	Flurries	2" Snow	4:30AM-2:45PM, 40-50MPH gusts -30, temp -10 after 2PM.		
14-Jan.-2024	Drifts	0	0	0	Drifting	Drifting	Peter C. Called in from 5AM-10:15AM, gusts AM 30MPH, -10 temps		
15-Jan.-2024	Clean up	0	0	0	Drifting	clean up	clean up drifting and dump salt		
19-Jan.-2024	Full Crew	735	44.63	0	1-3" Snow	2" Snow	start 3AM end 4PM, air temp 10, ground 15, temps steady. Salt		
22-Jan.-2024	Full Crew	535	134.65	0	.25-.5 ice/sleet, 1" snow	ICE	start 7:30AM, Ground temp 22 and rising. Ice accumulating		
23-Jan.-2024	Full Crew	695	205.32	0	ICE/FOG	ICE	start 12:30AM, Rain freezing to pavement, temp 31-32.		
24-Jan.-2024	Hot spots	0	0	92.58	ICE/FOG	ICE	Travis reg. hrs ice spots		
1-Feb.-2024	Pre-treat	750	0	0	Nothing	Frost	Roadways 23, air 32, slick roads due to frost. 2-Feb same		
9-Feb.-2024	Pre-treat	750	0	0	Drizzle w/ dropping temps	Frosty Fog	Roadways 29-34 in the AM. Lite rain and falling temps		
14-Feb. 2024	Pre-treat	750	0	0	15th Rain/ snow mix, Low 35	.02" rain	Ground temps high teens, low 20's		
16-Feb.-2024	Salting	240	88.92	26.87	0-1" snow	1" Snow	Air/ground temps 27-28, Snow building on grass, overnight		
23-Feb-24	Pre-treat	750	0	0	0-1" snow	0.5" Snow	PM snow, AM ground temps 30-34, overnight low 10		
27-Feb.-2024	Pre-treat	800	0	0	0-1" snow	Flurries	snow and dropping temps into the morning hrs of 28th		
21-Mar.-2024	Pre-treat	900	0	0	D-3" snow	Flurries/ sleet	22nd AM storm missed to the north, IDOT was out. Possible		

	TONS/TONS OR GALLONS	RETURNS	TOTAL (TONS)	COST	$78.23
TOWNSHIP TONS	170.78	0	170.78	$13,360.12	TOTAL TONS USED AND COST
SCHOOL TONS	10.156	0.776	9.38	$733.80	913.74005
PRE-TREAT Gallons	14110	0	20.53005	$1,659.03	$71,534.85
VOC SALT USAGE	968.91	255.86	713.05	$55,781.90	Pre-wet tanks, 5@120gal, 2@150gal (315gal average)
JPMC DELIVERY	24.85	0	24.85	$1,944.02	
TROY TOWNSHIP	0	0	0	$0.00	

TIME LINE FOR EQUIPMENT

In house and Salt Smart training on Sept. 26th 2023
Equipment and vehicle prep started Oct. 9th 2023
All equipment Callibrated and tested by 30th Nov

School truck spreaders are 1.5CuYards, 1.62 tons fully loaded (1.08Tons per CuYard)

TOWNSHIP LOAD DATE	TONS	RETURNS
6-Jan.-2024	18.1	0
7-Jan.-2024	12.9	0
8-Jan.-2024	21.68	0
9-Jan-24	20.04	0
12-Jan.-2024	16.8	0
13-Jan.2024	18.64	0
19-Jan.-2024	30.36	0
22-Jan.-2024	18.66	0
23-Jan.-2024	13.6	0
	0	0

SCHOOL	RETURNS	TONS
5-Jan.-2024	0	1.552
18-Jan-24	0	1.552
22-Jan.-24	0	2.328
23-Jan.-24	0	2.328
9-Feb.-24	0	0.776
27-Feb.-24	0	1.62
14-Mar.-24	0.776	0

Equipment bucket conversions

Equipment	CuFt	CuYards	Tons by math	actual tons
Skid Steer	19.4	0.718519	0.776	NA
Loader	81	3	3.24	Scale
	Salt Tons	Brine (Gallons)		
Brine Maker	1.164	800		

Date	Pete	Dominic	Travis	Dick	Randy	Matt K	Scott	Jim	Gordon	Brendon	Matt S	Jeff	Justin	Jake	Mike	Eric	Total Hrs	Total Miles	Total Salt (Tons)	Brine (Gallons)	OT Hrs	LBS per LM
10/31/2023			2.5														2.5				2.5	135.1724
			20															20				
			1.96																1.96			
			0																	0		
11/22/2023						8											8					0
						80												80				
						0													0			
						850														850		
11/26/2023						4.25											4.25				4.25	257.7143
						34												34				
						4.51													4.51			
						0														0		
11/28/2023									4								4					115.9322
									32									32				
									3.42										3.42			
									10											10		
11/29/2023									5.75								5.75					0
									46									46				
									0										0			
									850											850		
12/4/2023					5.5												5.5					0
					44													44				
					0														0			
					900															900		
12/30/2023														3.25			3.25				3.25	127.7419
														26				26				
														1.98					1.98			
														0						0		
1/2/2024														8			8					0
														72				72				
														0					0			
														800						800		
												8					8					0

1/5/2024																						
												0							0			
												900								900		
1/6/2024	11.5		11.5	9	11.5		11.5				11.5	11.5		11.5		11.5	101					101	131.3874
	10.96		10.24	5.72	0		0				4.4	9.67		4.9		4.3				50.19			
	0		0	30	0		0				100	100		60		10					300		
1/7/2024																3	3					3	125
																1.75				1.75			
																10					10		
1/8/2024												6.5					6.5						0
												0							0				
												750								750			
1/9/2024	14.25		14.25		14.25				14.25	14.25		14.25		14.25	14.25	14.25	128.25					56.25	138.0872
	1.64		9.8		7.38				6.4	6.4		14.58		7.24	2.1	9.34				64.88			
	0		0		0				60	120		35		60	0	30					305		
1/10/2024	8																8						0
	0																			0			
	900																				900		
1/12/2024	13.25		13.25		13.25			13.25	13.25			13.25	13.25	13.25		13.25	119.25					47.25	208.8696
	13.748		25.32		20			5.99	14.64			12.9	9.43	9.593		15.98				127.601			
	0		0		0			0	37.5			75	60	60		60					292.5		
1/13/2024	10.25		10.25	10.25	10.25				10.25		10.25			10.25		10.25	82					82	226.1321
	11.322		20.6	6.68	15.21				13.5		6.86			6.451		8.36				88.983			
	0		0	60	120				37.5		0			60		60					337.5		
1/14/2024	5.25																5.25					5.25	0
	0																			0			
	0																				0		
1/15/2024	4		3.25		4				7					4.25			22.5					0	0
	0		0		0				0					0						0			

	0		0		0				0					0						0		
1/19/2024	12.5	12.5	12.5		12.5		2		12.5	12.5				12.5	12.5	12.5	114.5				40.5	204.349
	[illegible]	[illegible]	[illegible]		[illegible]		7		[illegible]	114				[illegible]	[illegible]	[illegible]		[illegible]				
	13.243	4.87	14.44		18.22		0.84		11.33	8.47				9.345	10.96	14.85			106.568			
	0	0	125		120		0		100	80				90	100	120				735		
1/22/2024	8	8	8		8				8			8		8		8	64					221.2577
	[illegible]	[illegible]	[illegible]		[illegible]				[illegible]			[illegible]		[illegible]		[illegible]		[illegible]				
	10.412	4	16.87		14.15				11.33			6.1		7.195		5.06			75.117			
	0	0	125		120				100			60		80		50				535		
1/23/2024	15.5	15.5	15.5		15.5				15.5			15.5		15.5		15.5	124				60	223.4112
	[illegible]	[illegible]	[illegible]		[illegible]				[illegible]			[illegible]		[illegible]		[illegible]		[illegible]				
	15.165	6.68	26.39		26				20.7			7.95		10.836		13.4			127.121			
	0	0	125		120				150			80		100		120				695		
1/24/2024			5														5					51.94805
			77															77				
			2																2			
			3.5																	3.5		
2/1/2024												6					6					0
												72						72				
												0							0			
												750								750		
2/9/2024			8														8					0
			72															72				
			0																0			
			750																	750		
2/14/2024									8								8					0
									72									72				
									0										0			
									750											750		
2/16/2024	4.5	4.5	4.5		4.5				4.5			4.5		4.5		4.5	31.5					310.25
	[illegible]	[illegible]	[illegible]		[illegible]				[illegible]			[illegible]		[illegible]		[illegible]		[illegible]				
	8.17	2	8.92		14.75				11.56			4.9		5.36		6.39			62.05			
	0	0	0		0				120			120		0		0				240		
2/23/2024		6.5															6.5					0
		72																72				
		0																	0			
		750																		750		

2/27/2024					6.5												6.5				
					79													79			
					0														0		
					800															800	
																	0				402.75
																		0			
																			0		
																				9803.5	
3/21/2024															6.5		6.5				
															79			79			
															0				0		
															900					900	
																	0				
																		79			
																			0		

Totals	Pete	Alternate	Travis	Dick	Randy	Matt K	Scott	Jim	Gorden	Brendon	Matt S	Jeff	Justin	Jake	Mike	Eric
Hours	99	47	108.5	19.25	97.75	12.25	13.5	13.25	95	26.75	21.75	79.5	13.25	105.25	26.75	80.25
Miles	1017	402	1178	163	886	123	7	113	961	209	176	775	127	924	245	752
Salt	74.248	17.55	136.54	12.4	101.56	4.51	0.84	5.99	81.55	14.87	11.26	50	9.43	62.9	13.06	74.37
lbs/Mile	146.01	87.31	231.82	152.15	229.26	73.33	240.00	106.02	169.72	142.30	127.95	129.03	148.50	136.15	106.61	197.79

Total		Total Hours YTD (including overtime below)	6.5
Avg lbs/Mile	0	Total Miles YTD	79
		Total Salt (tons) YTD	0
		Total Overtime Hours YTD	808

Compass Minerals DELIVERY

DATE	TICKET #	TONAGE
		0
		0
		0
		0

TOTAL TONAGE DELIVERED	0
Average Truck Load Tonnage	#DIV/0!

NOTES

Vender: Cargill
phone

Place Orders: 800-600-7258
[illegible]

Customer # 2500019758 — District 1 Cook, Dupage, Kane, Lake, McHenry and Will
Destination#
Contract 23-416CMS-BOSS4-P-56958
Agency 23-416CMS-BOSS4-R-170702
FOB [illegible] [illegible] 22-25 Tons

May order upto 20% of 1800 tons at a time, 360 tons is 20%, 22-25 ton truck loads
Delivery notice 24hrs in advance

ORDER #	DATE ORDERED	DATE FULFILLED	TONS ORDERED	Received	Confirmation#
1	15-Jan.-2024	19-Jan.-2024	22-25	24.85	8358853
2					
3					
4					
5					
6					
7					
		Total tons ordered	0	24.85	

Rock Salt shall comply with the requirements of The American Association of State Highway and Transportation Officials (AASHTO) SPECIFICATION M143, SODIUM CHLORIDE TYPE 1, GRADE 1

order min by end of July, $20 per day per ton
Jack - 217-785-1659
jack.ecs2@illinois.gov

Spoke with Cargil on 21-July-2023 at 11:40AM in regards to being 0.44tons from Channahon's minimum order quantity and was told if it was less than one truck (22-25 tons) we fullfilled the contract. They where going to email a letter for proof

Delivery

Location	DATE	TICKET #	TONAGE
DOME	19-Jan.-2024	2714707	24.85

TOTAL TONAGE DELIVERED	24.85
Remaining Tons For Min. Order	-2.85
Average Truck Load Tonnage	24.85
Number of Loads	1

cost ($78.23)
1944.0155

Tons Added	
Dome	24.85
Pad	0

24.85
0
0
0 ORDER #1 Complete
0
0
0 ORDER #2 Complete
0
0
1
0 ORDER #3 Complete

Currently Loaded Salt

UPDATED 27-FEB.-2024

20-Feb-24

Truck	27th				Liquid	Loaded	Returned	Total
#13						0		0
#18						0		0
#32						0		0
#34					0	0		0
#36					0	0		0
#68						0		0
#43					0	0		0
#50					0	0		0
#64					0	0		0
#66						0		0
#70					0	0		0
#71					0	0		0
Township 16						0	0	0
Township 17						0	0	0
School Dist #1	1.62					1.62	0	1.62
School Dist #2						0	0	0

Typical Driver	Truck	Zone	gallon tank
Pete	#13	D	NA
Travis	#18	H&I	NA
Randy	#32	G	NA
Jeff	#34	C	150
Jacob	#36	E	120
AUX	#68	AUX	NA
Eric	#43	A	120
Gordon	#50	B	120
Dominic	#64	F	120
AUX	#66	AUX	NA
	#70	spare	120
	#71	spare	150

	1	2	3	4
VOC	0	0	0	0
TOWN	0	0	0	0
SCHOOL	1.62	0	0	0

returned	0
used	0
loaded	0
Liquid	0

Skid Steer Bucket ___0.776____ Back Hoe Bucket __3.24___

Post Snow Storm Review

1) Damaged Property
    A. Mail Boxes-

    B. Restoration Locations-

2) Vehicle Issues

3) Route Issues

4) Resident Complaints

5) Procedure Improvements

6) How can we improve events

7) Comments from PW crew

8) What Can Management Improve on

POST-WINTER REVIEW FORM – Winter 2023-2024

Please complete one form after the last snow event.

Date: _____ Site: _____

Name: _____ Company/Organization: _____

☐ **Check box if you used calibrated equipment for this storm.**

☐ **Check box if you used liquids (brine) before the storm.**

Average Pavement Temperature		Pavement Condition Before Applying Product		Product Applied		Application Rate Used (lbs. per lane mile)	How Did it Work? (Compare application rates)
☐	**28 ° to 32 °**	☐	Almost bare pavement	☐	Rock Salt		
☐	**23 ° to 28 °**	☐	Very clean; ¼ inch or less snow/ice	☐	Bagged Blend Mostly Sodium Chloride		
☐	**15 ° to 23 °**	☐	More than ¼ inch snow/ice	☐	Bagged MgCl2 or CaCl2		
☐	**0 ° to 15 °**			☐	Rock Salt Wet With Salt Brine		
☐	**-5 ° to 0 °**			☐	Rock Salt Wet With Other Liquids		
☐	**< -5 °**			☐	Winter Sand		
				☐	Other		

What operational change proved successful?

What improvements need to be made to further reduce chlorides?

Evaluate the application rate of your spreader.

At any point during the snow season where adjustments made to your application rate?

If so, at what rate and how effective was the outcome?

Storage Area Checklist

This storage area checklist can be used to keep a record of all your salt storage facilities, their capacities, their condition, and additions or improvements needed. It can also be used to record your estimated salt requirement, salt in stock and salt on order. The form is shown merely as a guideline.

Storage Identification _____

Estimated Salt Requirement _____

Salt in Stock _____

Salt on Order _____

Facilities Available			Facilities Needed	
Total Number: _____ (Specify pad, bin, building, other)	Capacity (tons)	Condition	**Total Number:** _____ (Specify pad, bin, building, other)	Capacity (tons)

Remarks:

Storage Area Checklist

This form provides a checklist for safety features, proper access, legality, tidiness, economics and drainage.

Yes	No	SAFETY. . .
❒	❒	1. Equipment operators have good visibility in all directions.
❒	❒	2. Access roads do not open directly into heavily traveled routes.
❒	❒	3. Signs are posted to warn motorist that trucks enter and leave the area.
❒	❒	4. Culvert headers, guard rails and other obstructions in storage area are marked so they can be avoided when covered with snow.
❒	❒	5. Outside areas are adequately lighted.
❒	❒	6. Lights are available inside storage buildings.
❒	❒	7. Storage yards are free of junk and other debris.
❒	❒	8. All mechanical parts of storage facility, such as hinges, slides, conveyors, are in safe working condition.
❒	❒	9. All mechanical equipment is in safe working condition.

Comment—

		ACCESS. . .
❒	❒	1. Spreader trucks can easily enter and leave storage sites, even during periods of low visibility.
❒	❒	2. Storage areas are large enough for front-end loaders and trucks to maneuver.
❒	❒	3. Building doors and other openings are large enough to permit loading and unloading.
❒	❒	4. There are no low and weak spots in storage yard.

Comment—

		LEGALITY. . .
❒	❒	1. All storage areas are on state or municipal property or on space for which there is a definite lease rental or use agreement.
❒	❒	2. All storage sites comply with local zoning ordinances and applicable building, environmental, discharge and sanitation codes.

Comment—

		TIDINESS. . .
❒	❒	1. Storage yard is well maintained and clean.
❒	❒	2. Junk or scrap material is not piled around yards.
❒	❒	3. Storage sites are shielded from view of nearby roads or homes by plantings or fencing.

Comment—

		ECONOMICS. . .
❒	❒	1. Storage is covered to prevent loss of material.
❒	❒	2. Sites are strategically located to avoid deadheading to reload.

Comment—

		DRAINAGE. . .
❒	❒	1. Storage pads are on sites with proper drainage.
❒	❒	2. Storage runoff is properly contained, collected and provisions made for use or disposal.

Comment—