

# Annual Report for Year 2 (2023-2024) of the Time Limited Water Quality Standard for Chloride

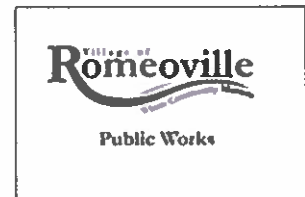
June 1, 2024

Prepared by Village of Romeoville

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The Village of Romeoville is a member of the Lower Des Plaines Watershed Group.



## **1.0 Introduction**

This Annual Report has been prepared by the Village of Romeoville to report on progress in meeting the requirements for the Time Limited Water Quality Standard for Chloride. Village of Romeoville is a discharger covered under the Time Limited Water Quality Standard for Chloride for the Chicago Area Waterways System and Lower Des Plaines River watersheds. This Annual Report has been prepared to meet the requirements laid out in the Time Limited Water Quality Standard (TLWQS) for Chloride.

Chloride does not degrade over time and continues to accumulate in the environment. Proactive measures to reduce the amount of chloride discharged can help reduce the impacts from chloride on receiving waterways and the environment. Chloride impacts aquatic life, vegetation, and infrastructure. As the chloride concentrations increase and our waters become saltier, aquatic and plant biodiversity decreases and native species are overtaken by salt tolerant invasive species.

Chlorides are commonly found in road salt, fertilizers, water softeners, dust suppressants, and certain industrial processes. Chloride-based deicers, like rock salt, are used on parking lots, sidewalks, and roads to provide safe surfaces to the public during the winter months. These deicers are one of most common sources of chloride in the Chicago region.

The water quality standard for chloride for the Chicago Area Waterway System (CAWS) was updated as part of the rulemaking process related to changing the designated use of the CAWS. The chloride standard was updated from 1,500 mg/L during the winter and 500 mg/L during the summer to 500 mg/L all year round. The change in the chloride water quality standard took effect in 2018. Because portions of the CAWS were not going to meet this new standard due to the need to maintain public safety on roads, highways, sidewalks and parking lots during the winter months, a joint submittal and supporting individual petitions were submitted between 2015 and 2018 to the Illinois Pollution Control Board for a variance from the chloride standard. The joint petition laid out best management practices that can be achieved by the petitioners to reduce their chloride use while maintaining public safety during winter storms. In addition to the CAWS, portions of the Lower Des Plaines River watershed were included as it receives water from the CAWS.

On November 4, 2021, the IPCB issued an Opinion and Order for a Time Limited Water Quality Standard (TLWQS) for Chloride for portions of the CAWS and Lower Des Plaines River watersheds. The TLWQS for Chloride watersheds are defined in the Opinion and Order as the Des Plaines River watershed from the Kankakee River to the Will County Line (except for the DuPage River watershed) and the CAWS watershed (except the North Branch Chicago River watershed upstream of the North Shore Channel and those portions of the watershed located in Indiana). This is a watershed-based approach to reduce the chloride concentrations in the CAWS and Lower Des Plaines River. The TLWQS for Chloride requires all dischargers covered under the TLWQS for Chloride to create PMPs and implement specific best management practices based on their operations to reduce their chloride discharges.

**2.0 Organization, Facility Information**

Agency Name: Village of Romeoville		
Facility Name: Village Wide		Permit Number: ILG103031 And ILG103032
Facility Address: 1050 W. Romeo Road		
City: Romeoville	State: Illinois	Zip Code: 60446

The Village of Romeoville is comprised of 19 square miles and a community of just over 41,000 residents. The Public Works and Engineering Divisions are located at 615 Anderson Drive. This location houses the main administration and engineering for Public Works. This location also has a wastewater treatment facility, fleet services and a salt dome with a capacity of 2,500 tons. There is a secondary Public Works facility located at 14631 S Budler Road that houses equipment and a salt dome with a capacity of 2,800 tons. Public works is responsible for maintaining 270 lane miles of road in addition to a Village Hall and Police Department campuses, three Fire Stations, Recreation center campus, Athletic & Event center, Aquatic center, and a Metra Station.

**2.1 Level of Service for Winter Maintenance Activities**

**Priority 1** - All major and minor collector streets will be considered to be the minimum network which must be kept open for emergency vehicles.

**Priority 2** - The remaining network includes, streets, intersections, hills, curves and municipal parking lots.

**Priority 3** - All cul-de-sacs, dead ends, and recreational parking lots.

Route 53 is a State Highway; Weber Road is a Will County Road and plowed by them respectively.

This snow and ice control plan recognize three storm categories.

**Category 1** - One inch or less of snow and sleet resulting in icy conditions. Snow routes rated priority 1-3 are treated with de-icing material and plowing is not required, but done as necessary.

**Category 2** - Two to five inches of snow. All snow routes rated priority 1-2 are plowed then treated with de-icing material. Priority 3 routes will be made passable until the storm subsides. Then all priority 1-2 routes will be cleared curb to curb prior to the completion of priority 3 routes.

**Category 3** – Six or more inches of snow is considered a major snow event. Concentration is focused on all routes while priority 3 routes are cleaned last. All priority 1-2 routes will be cleared curb to curb prior to the completion of priority 3 routes.

### 3.0 Best Management Practices

Details regarding Village of Romeoville’s implementation of the best management practices (BMPs) identified as part of the TLWQS for Chloride are included below.

#### Workgroup BMP

BMP	Agency Description of Current Implementation or Status Update to the Plan to Implement the BMP
The permittee must participate in a Chlorides workgroup for the CAWS or LDPR, depending on the watershed within which the facility’s discharge is located.	The Village of Romeoville has been a member of the Lower Des Plaines Watershed Group since 2017. Staff attends meetings on a regular basis along with Robinson Engineering in support of the Village’s NPDES stormwater program.

#### Salt Storage and Handling BMPs

BMP	Agency Description of Current Implementation or Status Update to the Plan to Implement the BMP
Store all salt on an impermeable pad that must be constructed to ensure that minimal stormwater is coming into contact with salt unless the salt is stored in a container that ensures stormwater does not come into contact with the salt.	All salt stored by Village of Romeoville is stored in a permanent dome structure on a concrete pad to prevent contact with stormwater.
Cover salt piles at all times except when in active use, unless stored indoors.	Salt is always stored in a covered structure.
For working areas, provide berms and or sufficient slope to allow snow melt and stormwater to drain away from the area. If snow melt and stormwater cannot be drained away from the working area, channeling water to a collection point such as a sump, holding tank or lined basin for collection, discharge at a later time, use for prewetting, and use for make-up water for brine must be considered.	All working areas are sloped away to convey snow melt and stormwater away from the area.
<b>MS4/CSO Only</b> - Use deicing material storage structures for all communities covered under	Deicing brine solution is stored in tanks designed for that purpose. Secondary storage is under consideration for future implementation. 2026

<p>General Permit ILR40 for MS4 communities.</p>	
<p>Good housekeeping practices must be implemented at the site, including:</p> <ul style="list-style-type: none"> <li>• cleanup of salt at the end of each day or conclusion of a storm event;</li> <li>• tarping of trucks for transportation of bulk chloride;</li> <li>• maintaining the pad and equipment;</li> <li>• good practices during loading and unloading;</li> <li>• cleanup of loading and spreading equipment after each snow/ice event;</li> <li>• a written inspection program for storage facility, structures and work area;</li> <li>• removing surplus materials from the site when winter activity finished where applicable;</li> <li>• annual inspection and repairs completed when practical;</li> <li>• evaluate the opportunity to reduce or reuse the wash water.</li> </ul>	<p>Salt at the loading areas is cleaned up at the end of each snow event and the area is swept.</p> <p>All bulk loads are tarped in and out of the yard.</p> <p>The salt domes and pads within are maintained in good condition.</p> <p>Emphasis is placed on careful loading and unloading to minimize spillage. Any spilled salt is collected and returned inside the dome.</p> <p>All spreading and loading equipment is cleaned up after snow events.</p> <p>A written inspection program is being developed to ensure salt storage and work areas are maintained in good condition. 2024/25</p> <p>Surplus salt is stored securely in domes. The entrances are blocked off with concrete blocks to ensure containment in the off season.</p> <p>Vehicles and equipment are inspected daily for proper operation. Repairs are completed asap.</p> <p>Wash water is minimized to the extent practical. Wash water is drained to the sanitary system</p>

**Winter Maintenance Operations BMPs**

<b>BMP</b>	<b>Agency Description of Current Implementation or Status Update to the Plan to Implement the BMP</b>
<p>Calibrate all salt spreading equipment at least annually before November 30th. Records of the calibration results must be maintained for each piece of spreading equipment.</p>	<p>All salt spreading equipment is calibrated annually prior to the snow season and records of calibration are maintained for reference.</p>
<p>Pre-wet road salt before use, either by applying liquids to the salt stockpile, or by applying liquids by way of the spreading</p>	<p>Salt trucks are equipped with pre-wetting equipment.</p>

equipment as the salt is deposited on the road.	
Use equipment to measure the pavement temperature unless such equipment has already been installed on road salt spreading vehicles.	Future implementation of small weather stations that can measure pavement temperatures at various locations throughout the Village is being considered. These will supplement the pavement sensors already installed on most of the snow fleet.
Develop and implement a protocol to vary the salt application rate based on pavement temperature, existing weather conditions, and forecasted weather conditions.	Protocol is currently being developed and when completed will be implemented into our program. Adjustments to the program will be made during implementation period based on results and implementation of additional monitoring equipment.
Track and record salt quantity used and storm conditions from each call-out.	Salt quantities are recorded for each storm and for each truck.
Develop a written plan for implementation of anti-icing, with milestones. The plan should consider increased use of liquids (e.g., carbohydrate products) beginning with critical locations such as bridges over streams.	A written protocol for anti-icing is being developed to memorialize the protocols already in place. 2024/25
Provide employees involved in winter maintenance operations with annual training before November 30th on best management practices in the use of road salt in operations, including the practice of plowing first and applying salt only after snow has been cleared.	Annual training has been provided and protocols for plowing and salt application has been in practice and in place for several years.
Be responsible for complying with all applicable BMPs even when deicing practices are contracted out and ensure that contractors are properly trained and comply with all applicable BMPs.	Snow removal is performed with in-house personnel only. The Village does not contract out snow removal.
Complete an annual report, as required by paragraph 3(B) of this order, which is standardized in an electronic format and submitted to the IEPA's website and to the watershed group.	Annual report will be completed and submitted as required.

<p>Obtain and put into place equipment necessary to implement all salt spreading/deicing measure specified in this BMP, such as any new or retrofitted salt spreading equipment necessary to allow for pre- wetting and proper rates of application.</p>	<p>Snow removal equipment has been retrofitted with pre-wetting equipment and electronics for several years, and all new equipment is purchased with these features installed.</p>
<p><b>MS4/CSO/IDOT/TOLLWAY Only</b> - Install equipment to measure the pavement temperature on the winter maintenance fleet for a sufficient number of vehicles to provide sufficient information to adjust application rates for the most efficient levels. Develop and complete a plan to equip the winter maintenance fleet before the first re-evaluation.</p>	<p>Numerous trucks already have pavement temperature sensors to provide adequate information regarding temperatures at various locations throughout the Village. All new trucks are ordered with the sensors installed.</p>
<p><b>MS4/CSO/IDOT/TOLLWAY Only</b> - Before the first re-evaluation, develop a method for conducting a post-winter review to identify areas of success and areas in need of improvement. Items to be completed as part of the review must include, but are not limited to, an evaluation of each salt spreader’s application rate, variations in application rates, and discussion of the variation compared to the recommended rates. Once developed, the review should occur annually in the spring/early summer following each winter season.</p>	<p>A review will be conducted annually upon the compilation of salt usage data for the season. A report will be prepared summarizing the data and providing conclusions and recommendations for the next season.</p>

### 3.1 Analysis of BMPs Implemented

The Village of Romeoville has witnessed a variety of weather changes over the last few winter seasons. Staff has realized the importance of chloride reduction through up-to-date training, procedure changes, and updated equipment and technology that have been implemented. Staff also understands the effects of using liquids and other tools in helping determine when and how much deicing material is applied.

**3.2 Analysis of Alternative Treatments or New Technology**

The Village of Romeoville will continue to update equipment when possible. The Village would like to introduce a larger amount of liquid deicing into our pre-wetting of salt. This has been a challenge with the mild winter season and minimal snowfall amounts.

**4.0 Deicing/Anti-Icing Agents Used**

Materials used by the Village of Romeoville for the 2023-2024 winter season are included as Appendix 1.

**4.1 Application Rates**

The application rates used by the Village of Romeoville for the 2023-2024 winter season are included as Appendix 2.

**4.1.1 Application Rate Analysis**

The Village’s current application rates are working well. Due to the mild winter season there was not an opportunity to experiment with different application rates. The Village’s plan is to try and increase the amount of liquid application rates in future winter seasons.

**4.2 Application Practices**

The Village of Romeoville uses the following practices to apply deicing and anti-icing materials:

The Village of Romeoville applies anti-icing material when a snow and/or an ice event has been forecasted. Then the storm forecast is used to determine the approach for the deicing material. If freezing rain is forecasted every lane mile is salted at the onset of the storm event. If a snow event is forecasted all major and minor collector streets along with sensitive areas like school zones, hills and major curves are treated with deicing material. Depending on the amount and the duration of the snow event once the precipitation stops the remaining network of streets, cul-de-sacs and parking lots are plowed and deicing material is applied. All snow is removed off of pavement by some type of mechanical equipment before any additional deicing material is applied, if necessary.

**4.3 Call Outs**

A total of 21.2 inches of snow was reported in the Village of Romeoville for the 2023-2024 winter. There were three freezing rain event(s) and 19 snow event(s) for the 2023-2024 winter. The Village of Romeoville had seven call outs completed during the 2023-2024 winter. A log of all call outs completed by the Village of Romeoville are included as Appendix 3.

**4.4 Use of Liquids**

The Village of Romeoville’s use of liquids in the deicing operations has been a great asset. The Village has seen a reduction in the amount of dry chloride applications and rates used even though the Village experienced a very mild winter and had a major equipment failure at our pump station. Repair parts were not readily available, which hindered our use of liquids for a couple of events. We have since rectified that with back up equipment. When given the opportunity in the future we plan to introduce a larger amount of liquid deicing into our operation.

**5.0 Training**

The Village of Romeoville completed annual training for 48 employees out of 53 of employees who are part of the winter maintenance operations on 8/01/23, 8/02/23, 10/04/23, 10/10/23, 10/17/23, 11/16/23. A list of annual training topics by type of employee is included as Appendix 4.



## **6.0 Deicing and Snow Removal Equipment and Maintenance**

The Village of Romeoville uses equipment listed in Appendix 5 during winter maintenance activities.

### **6.1 Description of Equipment Washing and Wash Water Collection**

The Village of Romeoville utilizes two wash bays. Deicing solids are caught and returned to dome storage to be used again. Equipment is washed using the minimal amount of water need to complete the job. Wash water is caught in basins and sent through the Village's water treatment plant.

## **7.0 Material Storage**

The Village of Romeoville maintains two storage area(s). Information regarding the storage area(s) is included in Appendix 6.

## **8.0 Capital Purchases**

Identified capital purchases from the Village of Romeoville's PMP to implement the BMPs and reduce chlorides in our operations over the first 5-year term of the Chloride TLWQS are included as Appendix 7.

### **8.1 Explanation of Capital Purchases Unable to Be Made According to the Reported Plan**

Replacement and updated equipment have been slowed down by supply chain issues and a tremendous increased cost of that equipment. Replacement trucks and larger capital purchases have been pushed back 2-3 years from when originally scheduled.

## **9.0 Environmental Monitoring Data**

Chloride monitoring data is collected for the CAWS and Lower Des Plaines River watersheds per the IPCB order. The data is maintained by the workgroups. Chloride data for the CAWS is collected by MWRD for the CAWS watershed and provided to the workgroups as part of the annual reporting as required by the IPCB order. The Lower Des Plaines Watershed Group also maintains a USGS monitoring station in the Des Plaines River in Channahon, IL, that collects continuous conductivity data to estimate chloride concentrations.

Chloride monitoring data reports are posted to <https://www.cawswatershed.org/reports/> and <https://ldpwatersheds.org/about-us/lower-des-plaines-watershed-group/our-work/chloride-tlwqs/>.

### **9.1 Organization Specific Chloride Monitoring Data**

The Village of Romeoville collects chloride monitoring data as part of its NPDES effluent data and the data is included as Appendix 8.

### **9.2 Changes to the Facility's NPDES Treatment Technologies for Chloride**

No changes are currently scheduled.

## **10.0 Program Evaluation**

The winter 2023-2024 was challenging as the Village of Romeoville experienced a mild winter and only received 21.2" of precipitation for the season. The Village had minimal opportunity to experiment with different application rates of liquid deicing and with the failure of some pump equipment, we were unable to utilize that equipment for some events. From the introduction of liquid deicing to the operation, the Village has reduced the amount of dry chloride material needed and, in some cases,

reduced the need for additional applications during an event. The Village's goal is to continue to introduce the newest and most up-to-date equipment and increase the amount of liquid deicing applied. This will continue to reduce the amount of dry chlorides needed for the Village's operation.

#### **10.1 Proposed Steps for the Coming Year**

The Village of Romeoville is scheduled to replace two additional older plow trucks. The trucks will have the most recent computer control spreader technology and capacity to carry more liquid brine solution.

The Village will continue to increase the amount of liquid deicer applied during removal operations.

The Village will continue to educate staff and the public about the importance of reducing chlorides in the snow removal operation.

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#### **11.0 Workgroup Participation**

The Village of Romeoville belongs to the Lower Des Plaines Watershed Group. Staff attends and participates in bi-monthly membership meetings. Village staff participated in Chloride TLWQS mentoring sessions. All staff that participate in snow and deicing removal operations attend winter deicing workshops. The Village utilizes seasonal outreach materials available on the member portal of the LDWG website. The Village shares drafts and work with NPDES permits with LDWG staff.

Material or Product	Dry, Pre-Wet, Pretreated, or Liquid	Lane Miles Treated with the Product for 2022-2023	Parking Lot and Sidewalk Area (Sq. Ft.) Treated with the Product for 2022-2023	Lane Miles Treated with the Product for 2023-2024	Parking Lot and Sidewalk Area (Sq. Ft.) Treated with the Product for 2023-2024	Total Amount used for 2022-2023 (Year 1) in Tons or Gallons	Total Amount used for 2023-2024 (Year 2) in Tons or Gallons	Total Amount used for 2023-2024 (Year 3) in Tons or Gallons	Total Amount used for 2023-2024 (Year 4) in Tons or Gallons	Total Amount used for 2023-2024 (Year 5) in Tons or Gallons	Total Amount Used Over First 5-Year Term
Road Salt (tons)	Pre-Wet	9,996	981,534	12,669	5,889,204	1,484	1,987				3,471
Salt Brine (gallons)	Liquids	8,900	0	5,246		7,512	3,584				11,096
Blended bag salt (tons)	DRY	0			1,021,614		8,575				8,575
											0
											0
											0
											0
											0
											0

Estimates of Relative Material Amounts Applied and Coverage Achieved

Year	Total Lane Miles Maintained	Total Parking Lot and Sidewalk Area (Sq. Ft.) Maintained	Percent of Total Lane Miles Treated with Dry Materials		Percent of Total Parking Lot and Sidewalk Area Treated with Pre-wet or Pretreated Materials		Percent of Total Parking Lot and Sidewalk Area Treated with Liquids
			Miles Treated with Dry Materials	Miles Treated with Pre-Wet or Pretreated Materials	Total Parking Lot and Sidewalk Area Treated with Dry	Total Parking Lot and Sidewalk Area Treated with Pre-wet or Pretreated Materials	
2022-2023	18,896	981,534	0%	53%	0%	100%	0%
2023-2024	17,915	6,910,818	0%	71%	15%	85%	0%

The Village of Romeoville application rates for the 2023-2024 winter season were as follows:

Anti-icing Agent      Applied 25-30 gallons per lane mile

Bulk Deicer Road Salt   Applied 200-400 lbs per lane mile depending on current road conditions and  
whether the road is residential or high speed limit

Liquid Pretreating Road Salt      Applied at 12-15 gallons per ton

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**Organization: Village of Romeoville Chloride TLWQS Annual Report  
Appendix 3 – Call Outs**

The following 14 pages are details of the call outs for Village of Romeoville Public Works for the 2023-2024 winter season with additional 9 pages of snowfall totals prepared for Village of Romeoville by WeatherWorks.

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# Winter Maintenance Event Logging Form

Public Works

Agency: **Village of Romeoville**

Clear Form

Email Form

## General Call Out Info

Call Out Date: 11/26/2023

Call Out Time: 06:00 AM

Completion Date: 11/26/2023

Completion Time: 1:00 PM

## Weather Conditions

Precipitation Type: Light Snow

Precipitation Amt: 2 inches

Pavement Conditions: Wet

Pavement Temp: 38 Degrees F

Other Weather Observations:

## Products and Amounts Used

Materials:	Rock Salt	Pre-Wetting	Total Treated Salt
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Amount Used:	118.00 Tons	85.00 Gallons	6.75 Tons
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Other Information: All trucks were not using pre wet at this time due to wet road conditions.

## Application Rates and Methods

Dry Solid Application Rates:	Pre-Wetted or Pretreated Solid App Rate:	Liquid Application Rate:
252 Lbs/Lane Mile	12 Gallons/Ton	

Type of Application: Deicing

How many lane miles and/or sq.ft. of parking lots/sidewalks were treated? 939 Lane Miles

How many deicer and/or anti-icing application passes were made?

Were mechanical methods (plowing/scraping/etc) used before applying deicer materials? Yes

Notes:



# Winter Maintenance Event Logging Form

Public Works

Agency: **Village of Romeoville**

Clear Form

Email Form

## General Call Out Info

Call Out Date:	11/26/2023	Call Out Time:	06:00	AM
Completion Date:	11/26/2023	Completion Time:	1:00	PM

## Weather Conditions

Precipitation Type:	Snow	Precipitation Amt:	2"
Pavement Conditions:	Slick	Pavement Temp:	Degrees F
Other Weather Observations:			

## Products and Amounts Used

Materials:	Blend Bag Ice Melt		
Amount Used:	42.00	Bags	
Other Information:	35 bags loaded into red spreader		

## Application Rates and Methods

Dry Solid Application Rates:	Pre-Wetted or Pretreated Solid App Rate:	Liquid Application Rate:
Type of Application:		
How many lane miles and/or sq.ft. of parking lots/sidewalks were treated?		
How many deicer and/or anti-icing application passes were made?		
Were mechanical methods (plowing/scraping/etc) used before applying deicer materials?		
Notes:		



# Winter Maintenance Event Logging Form

Public Works

Agency: **Village of Romeoville**

Clear Form

Email Form

## General Call Out Info

Call Out Date:	12/05/2023	Call Out Time:	05:00	AM
Completion Date:	12/05/2023	Completion Time:	9:00	AM

## Weather Conditions

Precipitation Type:	Freezing Rain	Precipitation Amt:	
Pavement Conditions:	Wet	Pavement Temp:	Degrees F
Other Weather Observations:			

## Products and Amounts Used

Materials:	Blend Bag Ice Melt		
Amount Used:	8.00	Bags	
Other Information:			

## Application Rates and Methods

Dry Solid Application Rates:	Pre-Wetted or Pretreated Solid App Rate:	Liquid Application Rate:
Type of Application:		
How many lane miles and/or sq.ft. of parking lots/sidewalks were treated?		
How many deicer and/or anti-icing application passes were made?		
Were mechanical methods (plowing/scraping/etc) used before applying deicer materials?		
Notes:		

Early start for walks and lot checks at Train Station, Village Hall, Bridges and school crosswalks.



# Winter Maintenance Event Logging Form

Public Works

Agency: **Village of Romeoville**

Clear Form

Email Form

## General Call Out Info

Call Out Date:

12/31/2023

Call Out Time:

10:00

AM

Completion Date:

12/31/2023

Completion Time:

2:00

PM

## Weather Conditions

Precipitation Type:

Freezing Rain

Precipitation Amt:

.2

Pavement Conditions:

Slick

Pavement Temp:

39

Degrees F

Other Weather Observations:

## Products and Amounts Used

Materials:

Rock Salt

Pre-Wetting

Total Treated Salt

Amount Used:

43.00

Tons

51.00

Gallons

3.25

Tons

Other Information:

Not all trucks used pre wet due to wet road conditions.

## Application Rates and Methods

Dry Solid Application Rates:

Pre-Wetted or Pretreated Solid App Rate:

Liquid Application Rate:

207

Lbs/Lane Mile

10

Gallons/Ton

Type of Application:

How many lane miles and/or sq.ft. of parking lots/sidewalks were treated?

411

How many deicer and/or anti-icing application passes were made?

Were mechanical methods (plowing/scraping/etc) used before applying deicer materials?

No

Notes:



# Winter Maintenance Event Logging Form

Public Works

Agency: **Village of Romeoville**

Clear Form

Email Form

## General Call Out Info

Call Out Date:	12/31/2023	Call Out Time:	06:15	AM
Completion Date:	12/31/2023	Completion Time:	2:00	PM

## Weather Conditions

Precipitation Type:	Snow	Precipitation Amt:	.2
Pavement Conditions:	Snow Covered	Pavement Temp:	Degrees F
Other Weather Observations:			

## Products and Amounts Used

Materials:	Rock Salt		
Amount Used:	13.00	Bags	
Other Information:	10 Bags in Truck 74 red Spreader		

## Application Rates and Methods

Dry Solid Application Rates:	Pre-Wetted or Pretreated Solid App Rate:	Liquid Application Rate:
Type of Application:		
How many lane miles and/or sq.ft. of parking lots/sidewalks were treated?		
How many deicer and/or anti-icing application passes were made?		
Were mechanical methods (plowing/scraping/etc) used before applying deicer materials?		
Notes:		



# Winter Maintenance Event Logging Form

Public Works

Agency: **Village of Romeoville**

Clear Form

Email Form

## General Call Out Info

Call Out Date:

01/07/2024

Call Out Time:

12:00

AM

Completion Date:

01/07/2024

Completion Time:

11:30

AM

## Weather Conditions

Precipitation Type:

Light Snow

Precipitation Amt:

3.2 inches

Pavement Conditions:

Snow Covered

Pavement Temp:

33

Degrees F

Other Weather Observations:

## Products and Amounts Used

Materials:

Rock Salt

Pre-Wetting

Total Treated Salt

Amount Used:

188.00

Tons

761.00

Gallons

68.00

Tons

Other Information:

## Application Rates and Methods

Dry Solid Application Rates:

Pre-Wetted or Pretreated Solid App Rate:

Liquid Application Rate:

298

Lbs/Lane Mile

12

Gallons/Ton

Type of Application:

Deicing

How many lane miles and/or sq.ft. of parking lots/sidewalks were treated?

1,260

Lane Miles

How many deicer and/or anti-icing application passes were made?

Were mechanical methods (plowing/scraping/etc) used before applying deicer materials?

Yes

Notes:



# Winter Maintenance Event Logging Form

Public Works

Agency: **Village of Romeoville**

Clear Form

Email Form

## General Call Out Info

Call Out Date: 01/05/2024

Call Out Time: 11:00 PM

Completion Date: 01/07/2024

Completion Time: 11:00 AM

## Weather Conditions

Precipitation Type: Snow

Precipitation Amt: 3.2 Inches

Pavement Conditions: Snow Covered

Pavement Temp: Degrees F

Other Weather Observations:

## Products and Amounts Used

Materials: Blend Bag Ice Melt

Amount Used: 40.00 Bags

Other Information: 30 Bags went into Red spreader for Concrete pads and fire stations and police

## Application Rates and Methods

Dry Solid Application Rates: 4 Lbs/Ft2  
Pre-Wetted or Pretreated Solid App Rate:  
Liquid Application Rate:

Type of Application:

How many lane miles and/or sq.ft. of parking lots/sidewalks were treated?

How many deicer and/or anti-icing application passes were made?

Were mechanical methods (plowing/scraping/etc) used before applying deicer materials?

Notes:



# Winter Maintenance Event Logging Form

Public Works

Agency: **Village of Romeoville**

Clear Form

Email Form

## General Call Out Info

Call Out Date:

01/08/2024

Call Out Time:

08:00

PM

Completion Date:

01/10/2024

Completion Time:

11:00

PM

## Weather Conditions

Precipitation Type:

Light Snow

Precipitation Amt:

4.6"

Pavement Conditions:

Snow Covered

Pavement Temp:

30

Degrees F

Other Weather Observations:

## Products and Amounts Used

Materials:

Rock Salt

Amount Used:

307.00

Tons

Gallons

Other Information:

## Application Rates and Methods

Dry Solid Application Rates:

307

Lbs/Lane Mile

Pre-Wetted or Pretreated Solid App Rate:

Liquid Application Rate:

Type of Application:

Deicing

How many lane miles and/or sq.ft. of parking lots/sidewalks were treated?

1,260

Lane Miles

How many deicer and/or anti-icing application passes were made?

Were mechanical methods (plowing/scraping/etc) used before applying deicer materials?

Yes

Notes:

Pre wet main pump not operational and waiting for parts

# Winter Maintenance Event Logging Form

Public Works

Agency: **Village of Romeoville**

**Clear Form**

**Email Form**

## General Call Out Info

Call Out Date:

01/12/2024

Call Out Time:

07:00

AM

Completion Date:

01/16/2024

Completion Time:

7:00

AM

## Weather Conditions

Precipitation Type:

Snow

Precipitation Amt:

6.3 inches

Pavement Conditions:

Snow Covered

Pavement Temp:

24

Degrees F

Other Weather Observations:

## Products and Amounts Used

Materials:

Rock Salt

Pre-Wetting

Total Treated Salt

Amount Used:

615.00

Tons

2,415.00

Gallons

251.00

Tons

Other Information:

## Application Rates and Methods

Dry Solid Application Rates:

Pre-Wetted or Pretreated Solid App Rate:

Liquid Application Rate:

308

Lbs/Lane Mile

10

Gallons/Ton

Type of Application:

Deicing

How many lane miles and/or sq.ft. of parking lots/sidewalks were treated?

3,986

Lane Miles

How many deicer and/or anti-icing application passes were made?

Were mechanical methods (plowing/scraping/etc) used before applying deicer materials?

Yes

Notes:



# Winter Maintenance Event Logging Form

Public Works

Agency: **Village of Romeoville**

Clear Form

Email Form

## General Call Out Info

Call Out Date:	01/08/2024	Call Out Time:	11:00	PM
Completion Date:	01/13/2024	Completion Time:	11:00	AM

## Weather Conditions

Precipitation Type:	Snow	Precipitation Amt:	10.9 Inches
Pavement Conditions:	Snow Covered	Pavement Temp:	Degrees F
Other Weather Observations:	Cold Temp. Blowing and Drifting		

## Products and Amounts Used

Materials:	Blend Bag Ice Melt		
Amount Used:	150.00	Bags	
Other Information:	100 Bags went into Red spreader for Concrete pads and fire stations and police		

## Application Rates and Methods

Dry Solid Application Rates:	Pre-Wetted or Pretreated Solid App Rate:	Liquid Application Rate:
4 Lbs/Ft2		
Type of Application:		
How many lane miles and/or sq.ft. of parking lots/sidewalks were treated?		
How many deicer and/or anti-icing application passes were made?		
Were mechanical methods (plowing/scraping/etc) used before applying deicer materials?		
Notes:		



# Winter Maintenance Event Logging Form

Public Works

Agency: **Village of Romeoville**

**Clear Form**

**Email Form**

## General Call Out Info

Call Out Date: 01/17/2024

Call Out Time: 07:00 AM

Completion Date: 01/19/2024

Completion Time: 3:30 PM

## Weather Conditions

Precipitation Type: Light Snow

Precipitation Amt: 1.7 inches

Pavement Conditions: Snow Covered

Pavement Temp: 17 Degrees F

Other Weather Observations:

## Products and Amounts Used

<b>Materials:</b>	Rock Salt	Pre-Wetting	Total Treated Salt
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<b>Amount Used:</b>	281.00 Tons	272.00 Gallons	27.00 Tons
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Other Information: Main pre wet pump not working waiting for parts

## Application Rates and Methods

<b>Dry Solid Application Rates:</b>	<b>Pre-Wetted or Pretreated Solid App Rate:</b>	<b>Liquid Application Rate:</b>
285 Lbs/Lane Mile	11 Gallons/Ton	

Type of Application:

How many lane miles and/or sq.ft. of parking lots/sidewalks were treated? 1,972 Lane Miles

How many deicer and/or anti-icing application passes were made?

Were mechanical methods (plowing/scraping/etc) used before applying deicer materials? Yes

Notes:





# Winter Maintenance Event Logging Form

Public Works

Agency: **Village of Romeoville**

**Clear Form**

**Email Form**

## General Call Out Info

Call Out Date:	01/17/2024	Call Out Time:	03:30	PM
Completion Date:	01/19/2024	Completion Time:	7:00	AM

## Weather Conditions

Precipitation Type:	Snow	Precipitation Amt:	1.7 Inches
Pavement Conditions:	Snow Covered	Pavement Temp:	Degrees F
Other Weather Observations:			

## Products and Amounts Used

Materials:	Blend Bag Ice Melt		
Amount Used:	38.00	Bags	
Other Information:	30 Bags went into Red spreader for Concrete pads and fire stations and police		

## Application Rates and Methods

Dry Solid Application Rates:	Pre-Wetted or Pretreated Solid App Rate:	Liquid Application Rate:
4 Lbs/Ft <sup>2</sup>		
Type of Application:		
How many lane miles and/or sq.ft. of parking lots/sidewalks were treated?		
How many deicer and/or anti-icing application passes were made?		
Were mechanical methods (plowing/scraping/etc) used before applying deicer materials?		
Notes:		



# Winter Maintenance Event Logging Form

Public Works

Agency: **Village of Romeoville**

Clear Form

Email Form

## General Call Out Info

Call Out Date:  Call Out Time:

Completion Date:  Completion Time:

## Weather Conditions

Precipitation Type:  Precipitation Amt:

Pavement Conditions:  Pavement Temp:  Degrees F

Other Weather Observations:

## Products and Amounts Used

Materials:

Amount Used:

Other Information:

## Application Rates and Methods

Dry Solid Application Rates:   Pre-Wetted or Pretreated Solid App Rate:   Liquid Application Rate:

Type of Application:

How many lane miles and/or sq.ft. of parking lots/sidewalks were treated?

How many deicer and/or anti-icing application passes were made?

Were mechanical methods (plowing/scraping/etc) used before applying deicer materials?

Notes:



# Winter Maintenance Event Logging Form

Public Works

Agency: **Village of Romeoville**

**Clear Form**

**Email Form**

## General Call Out Info

Call Out Date:	01/22/2024	Call Out Time:	04:00	AM
Completion Date:	01/24/2024	Completion Time:	10:00	AM

## Weather Conditions

Precipitation Type:	Freezing Rain	Precipitation Amt:	.10	
Pavement Conditions:	Icy	Pavement Temp:	31	Degrees F
Other Weather Observations:				

## Products and Amounts Used

Materials:	Blend Bag Ice Melt		
Amount Used:	60.00	Bags	
Other Information:	30 Bags used in red spreader for fire station concrete pads		

## Application Rates and Methods

Dry Solid Application Rates:	Pre-Wetted or Pretreated Solid App Rate:	Liquid Application Rate:
4 Lbs/Ft2		
Type of Application:		
How many lane miles and/or sq.ft. of parking lots/sidewalks were treated?		
How many deicer and/or anti-icing application passes were made?		
Were mechanical methods (plowing/scraping/etc) used before applying deicer materials?		
Notes:		

All walks were included in this application, school crosswalks and long walks



Prepared Exclusively For Village of Romeoville  
10/01/2023 - 10/31/2023

 [certifiedsnowfalltotals.com/lookup/](https://certifiedsnowfalltotals.com/lookup/)  
Report ID: J3FFPG2

## Illinois: October 31st, 2023

### Halloween Brings Numerous Snow Showers and Squalls October 31st

**Start:** 7:30 - 8:30 AM October 31st    **End:** 7:30 - 9:30 PM October 31st

Flurries and light snow first arrived 7:30 - 8:30 AM October 31st with temperatures between 30 - 33 degrees. This passed through over the course of about 1 hour, then numerous snow showers and occasional, heavier squalls built in between 11:30 AM - 1 PM. Temperatures peaked between 34 - 36 degrees during the afternoon as activity continued. Snow showers turned more scattered after sunset, then fully exited 7:30 - 9:30 PM. Activity largely favored colder surfaces, though variable pavement coverage occurred within heavier squalls, particularly late-afternoon and into the evening. Additionally, wind gusts were able to reach 35 - 40 mph, mainly in squalls, which allowed snow to blow around considerably as well.

Zipcode	City	Type	Total	Freezing Rain	Notes
60446	Romeoville	Snow	0.7"	0.00"	

## Certification

WeatherWorks assures that the above Certified Snowfall Totals® (CST) report is the result of a thorough analysis of meteorological data collected from both private and public sources. Our professionally trained CST analysts employ a scientific evaluation process, producing the most accurate and representative total for a location. WeatherWorks reserves the right to amend reports at any time upon further review and/or discovery of additional data.

About WeatherWorks: Since 1986, WeatherWorks has provided dependable meteorological services to thousands of clients in the private and public sectors by understanding the core principles and complexities of meteorology in addition to utilizing technological advances.





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11/01/2023 - 11/30/2023

 [certifiedsnowfalltotals.com/lookup/](https://certifiedsnowfalltotals.com/lookup/)  
Report ID: YFPPJAJ

## Illinois: November 26th, 2023

### Period of Light to Moderate Snow November 26th

Start: 3:30 - 5:30 AM November 26th    End: 4 - 7 PM November 26th

Initial flurries overcame dry air and developed into a period of light to moderate snow between 3:30 - 5:30 AM November 26th. Temperatures were 28 - 31 degrees as snow continued steadily through the morning. Snow turned more intermittent and lighter 1 - 4 PM, allowing temperatures to rise to 32 - 34 degrees with sporadic light snow around through late day. After sunset, there were just a few isolated light snow showers that tapered down to flurries between 4 - 7 PM with temperatures back in the upper 20s.

Zipcode	City	Type	Total	Freezing Rain	Notes
60446	Romeoville	Snow	2.0"	0.00"	

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12/01/2023 - 12/31/2023

[certifiedsnowfalltotals.com/lookup/](https://certifiedsnowfalltotals.com/lookup/)  
Report ID: Q7YMUJQ

## Illinois: December 31st, 2023

### Clipper System Brings Freezing Drizzle Followed by Snow Showers December 31st

Start: 2 - 5 AM December 31st End: 7 - 10 PM December 31st

With temperatures ranging between 32 - 35 degrees, areas of drizzle and mist arrived 2 - 5 AM December 31st. Shortly after arriving, temperatures settled to 30 - 32 degrees with the very light activity transitioning to freezing drizzle and mist that largely accumulated on colder / elevated surfaces. Around and after daybreak, freezing drizzle and mist gradually gave way to snow showers, with mainly light snow showers persisting throughout the morning. Similarly, this activity largely occurred on colder and grassy surfaces as it continued throughout the daytime. Temperatures peaked between 32 - 35 degrees before activity tapered to a leftover flurry 7 - 10 PM.

Zipcode	City	Type	Total	Freezing Rain	Notes
60446	Romeoville	Winty Mix	0.2"	Patchy	

## Illinois: December 18th, 2023

### Snow Showers and Localized Squalls December 18th

Start: 12 - 3 AM December 18th End: 2:30 - 5:30 PM December 18th

An initial swath of light to briefly moderate intensity snow showers pushed through the area between 12 - 3 AM December 18th. Then, after a brief lull, scattered snow showers redeveloped after 5 AM, continuing into the morning. Activity fell at variable intensities, with most snow showers being of a lighter nature whereas localized snow squalls resulted in a brief burst of heavy snow & snow pellets and wind gusts to 40 mph. Snow lessened to flurries midday and into the afternoon, then fully tapered off 2:30 - 5:30 PM. Throughout the event, temperatures dropped from 33 - 36 degrees to 24 - 27 degrees. Even outside of localized squalls, winds were elevated, with gusts reaching 30 - 35 mph which blew snow considerably.

Zipcode	City	Type	Total	Freezing Rain	Notes
60446	Romeoville	Snow	Coating	0.00"	

## Illinois: December 5th, 2023

### Areas of Wet Snow Pass Through Early December 5th

Start: 12 - 1:30 AM December 5th End: 6:30 - 8:30 AM December 5th

A swath of light, wet snow overspread the area 12 - 1:30 AM December 5th. Light snow continued during the predawn, then areas of moderate intensity snow arrived 3:30 - 4:30 AM. Steady, mostly moderate intensity snow lasted through 6:30 - 8:30 AM, with some non-accumulating wet flakes and pockets of drizzle remaining into the morning. Through the event, temperatures ranged between 32 - 35 degrees.

Zipcode	City	Type	Total	Freezing Rain	Notes
60446	Romeoville	Snow	0.7"	0.00"	

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## Illinois: January 22nd - 23rd, 2024

### System Brings Periods of Freezing Rain Along with Brief Snow & Sleet January 22-23

**Start:** 3:30 - 5:30 AM January 22nd    **End:** 1:30 - 4 PM January 23rd

Mixed showers of snow, sleet, and freezing rain first arrived 3:30 - 5:30 AM January 22nd with temperatures between 23 - 26 degrees. Quickly, the mixed showers transitioned to freezing rain, which continued through the morning into midday as temperatures rose to 30 - 32 degrees. During the afternoon, activity turned more isolated and drizzle-like until freezing rain showers began to turn a bit more common again into the evening hours. Showery activity eventually transitioned to steady freezing rain predawn January 23rd. By this point, temperatures had risen slightly to 32 - 34 degrees. Under normal circumstances, activity would have been mostly plain rain with air temperatures above 32 degrees. Instead, a preceding weeklong stretch of arctic cold allowed ground temperatures to remain below 32 degrees. Hence, widespread icing occurred on ground-level surfaces, whereas elevated items such as trees and powerlines remained mostly ice-free. Rain and freezing rain continued through the morning hours, and as temperatures peaked between 34 - 37 degrees in the early afternoon. The last of the drizzle and freezing drizzle wore off 1:30 - 4 PM January 23rd.

Zipcode	City	Type	Total	Freezing Rain	Notes
60446	Romeoville	Wintry Mix	0.1"	0.10"	

## Illinois: January 19th, 2024

### Flurries and Very Light Snow January 19th

**Timing:** 4:30 - 9:30 PM January 19th

Between 4:30 - 9:30 PM January 19th, an area of flurries and very light snow passed through. Temperatures fell from around 10 degrees to 5 degrees.

Zipcode	City	Type	Total	Freezing Rain	Notes
60446	Romeoville	Snow	Coating	0.00"	

## Illinois: January 18th - 19th, 2024

### Clipper Brings Fluffy Snow Overnight January 18-19

**Start:** 7:30 - 9 PM January 18th    **End:** 7:30 - 9 AM January 19th

Outside of flurries beforehand, light snow overspread the area 7:30 - 9 PM January 18th with temperatures between 18 - 22 degrees. Through the night, fluffy snow continued to fall at a light to occasionally moderate intensity as temperatures slowly dropped. Steady snow tapered off in the predawn, though flurries and isolated snow showers remained in the area until tapering to a leftover flurry 7:30 - 9 AM January 19th. By the end of the event, temperatures had fallen to around 10 degrees.

Zipcode	City	Type	Total	Freezing Rain	Notes
60446	Romeoville	Snow	1.5"	0.00"	

## Illinois: January 18th, 2024

### Areas of Light Snow Predawn January 18th

Timing: 12 - 5 AM January 18th

Outside of a couple flurries beforehand, coverage of flurries and light snow increased during the late-evening with temperatures between 19 - 23 degrees. Areas of flurries and light snow persisted between 12 - 5 AM January 18th with occasional dry lulls through the short event. After 5 AM, only a few stray flurries were leftover.

Zipcode	City	Type	Total	Freezing Rain	Notes
60446	Romeoville	Snow	0.2"	0.00"	

## Illinois: January 13th - 14th, 2024

### Clipper Brings Light Brush of Snow Overnight January 13-14

Start: 4:30 - 6 PM January 13th End: 3 - 5:30 AM January 14th

Outside of a flurry before, areas of light snow overspread the area 4:30 - 6 PM January 13th with temperatures between 10 - 15 degrees. Through the evening, light intensity fluffy snow continued as temperatures fell. Additionally, gusty winds upwards of 30 - 40 mph resulted in areas of blowing snow (and some continued drifting from the prior event). Activity fell back to flurries 3 - 5:30 AM January 14th, which all concluded by daybreak with temperatures down to near -10 degrees.

Zipcode	City	Type	Total	Freezing Rain	Notes
60446	Romeoville	Snow	0.5"	0.00"	

## Illinois: January 12th - 13th, 2024

### Winter Storm Brings Burst of Very Heavy Morning Snow, Gusty Winds...Then Returning Night Snow January 12-13

Start: 2:30 - 4:30 AM January 12th End: 7:30 - 9:30 AM January 13th

Outside of a few flurries prior, steady snow built in 2:30 - 4:30 AM January 12th with temperatures between 29 - 32 degrees. Very quickly, snow began falling at a very heavy rate, with snowfall rates topping out around or even over 2" per hour. This allowed for rapid accumulations of the wet and dense snow on all surfaces. The bulk of the snow accumulations occurred during this period, approximately between 4 - 8 AM. By 8 AM, temperatures had slightly risen to 32 - 35 degrees with precipitation trending lighter and more scattered, mixing with rain (and brief sleet) into mid-morning. Additionally, during this period, strong wind gusts upwards of 35 - 45 mph occurred. In conjunction with the wet snow, this led to some localized downed trees and power outages. Midday through the afternoon, while some heavier periods of precipitation built back in, most of it fell as rain (only brief mixed flakes at times) with temperatures peaking between 33 - 36 degrees. During this time, snow continued in other parts of the Chicago area. Hit-or-miss showers (mostly rain) lingered in the evening until winds turned gusty again (reaching 30 - 40 mph) towards midnight, ushering in a brief burst of moderate snow. This burst was followed by light to moderate "fluffier" snow showers through the predawn as temperatures dropped to 22 - 26 degrees by the time activity tapered to a couple leftover flurries 7:30 - 9:30 AM January 13th. Even after the event concluded, continued strong wind gusts peaking 30 - 35 mph resulted in blowing and drifting of accumulated snow.

Zipcode	City	Type	Total	Freezing Rain	Notes
60446	Romeoville	Snow	5.8"	0.00"	

## Illinois: January 10th - 11th, 2024

### Clipper System Brings Snow Showers January 10-11

Start: 9 - 11 PM January 10th End: 3 - 5 AM January 11th

Some initial flurries began between 9 - 11 PM January 10th. Otherwise, the main area of light snow showers fell after Midnight, ending by 3 - 5 AM



January 11th. Temperatures were 32 - 34 during this time.

Zipcode	City	Type	Total	Freezing Rain	Notes
60446	Romeoville	Snow	0.2"	0.00"	

## Illinois: January 8th - 10th, 2024

### Intervals of Wet Snow and Rain January 8-10

Start: 7:30 - 9:30 PM January 8th    End: 12 - 2 AM January 10th

Moderate to heavy wet snow (and brief rain) first overspread the area between 7:30 - 9:30 PM January 8th with temperatures between 33 - 36 degrees. Through the night, wet snow continued at varied intensities, gradually mixing with more rain by daybreak on the 9th with temperatures rising slightly. From morning to early afternoon on January 9th, intervals of rain and wet snow continued with temperatures up to to 34 - 37 degrees. In the early-mid afternoon, a more sustained burst of very heavy precipitation built in. The heavy intensity allowed for activity to become fully wet snow that accumulated on all surfaces with temperatures settling to 32 - 35 degrees. Near and after sunset, mostly snow continued as precipitation trended more showery, fully exiting 12 - 2 AM January 10th.

Zipcode	City	Type	Total	Freezing Rain	Notes
60446	Romeoville	Snow	4.4"	0.00"	

## Illinois: January 5th - 7th, 2024

### Periods of Snow on January 5-7

Start: 8:45 - 11 PM January 5th    End: 6 - 9 AM January 7th

Snow first overspread the area between 8:45 - 11 PM January 5th. Through the predawn, largely moderate intensity snow continued, resulting in accumulations to all surfaces with temperatures settling to between 30 - 32 degrees. After daybreak, activity tapered back to intermittent flurries, drizzle, and very light snow showers. This very light activity continued through the day with temperatures only rising to between 32 - 35 degrees. Any snow accumulations were confined to colder surfaces during this time. During the early evening, a revival of snow showers occurred. Light to briefly moderate intensity snow showers persisted into the night, gradually tapering down to just a leftover flurry 6 - 9 AM January 7th. By daybreak on the 7th, temperatures returned to around 32 degrees.

Zipcode	City	Type	Total	Freezing Rain	Notes
60446	Romeoville	Snow	3.2"	0.00"	

## Illinois: January 2nd - 3rd, 2024

### Mist and Patches of Freezing Drizzle Overnight January 2-3

Timing: 11 PM January 2nd - 6 AM January 3rd

Between 11 PM January 2nd - 6 AM January 3rd, mist and patches of freezing drizzle passed through the area. This led to a few icy spots, primarily on colder and elevated surfaces. Temperatures ranged between 29 - 32 degrees during the event.

Zipcode	City	Type	Total	Freezing Rain	Notes
60446	Romeoville	Freezing Rain	0.0"	Patchy	

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02/01/2024 - 02/29/2024

[certifiedsnowfalltotals.com/lookup/](https://certifiedsnowfalltotals.com/lookup/)  
Report ID: A6EZLWS

## Illinois: February 23rd - 24th, 2024

### Cold Front Brings Initial Rain That Changes to Snow February 23-24

**Start:** 6 - 8 PM February 23rd    **End:** 11 PM February 23rd - 1 AM February 24th

With temperatures in the low 50s, rain showers arrived in the afternoon, mixing to steadier snow between 6 - 8 PM February 23rd as temperatures quickly fell into the mid 30s. Steadier snow persisted through the evening with some moderate to heavy bursts as temperatures dipped to near 30 degrees. Coming off a prior mild stretch pavements heavily struggled, though with cooling temperatures and the loss of daylight, variable pavement coverage was eventually able to occur (particularly in typically cooler/shaded spots). Additionally, wind gusts peaked between 30 - 35 mph. Activity lightened late-evening with remaining snow showers exiting by 11 PM February 23rd - 1 AM February 24th. By this point, temperatures had fallen to 26 - 30 degrees with just a stray flurry left over in the predawn.

Zipcode	City	Type	Total	Freezing Rain	Notes
60446	Romeoville	Snow	1.0"	0.00"	

## Illinois: February 16th, 2024

### Graze of Flurries and Light Snow February 16th

**Start:** 6:30 - 8:30 AM February 16th    **End:** 12:30 - 2:30 PM February 16th

As a system passed mainly off to the south, a bit of flurries and very light snow first grazed the area starting 6:30 - 8:30 AM February 16th. During the morning, snow turned steadier for a period, but still only at a light intensity with temperatures ranging between 26 - 29 degrees. The system fully moved off south between 12:30 - 2:30 PM.

Zipcode	City	Type	Total	Freezing Rain	Notes
60446	Romeoville	Snow	0.1"	0.00"	

## Illinois: February 1st, 2024

### Pavement Frost Results in Slick Spots Early February 1st

**Timing:** 5 - 9 AM February 1st

A unique situation occurred 5 - 9 AM February 1st as a thick frost developed on some paved surfaces. This frost had the appearance of snow and/or ice as it caused slippery conditions where it occurred. Temperatures were highly variable throughout the event, ranging between 30 - 35 degrees across short distances.

*Please note that the "accumulation" below was not a result of snow, but rather a phenomena generally known as Pavement Frost*

Zipcode	City	Type	Total	Freezing Rain	Notes
60446	Romeoville	Snow	Scattered Coating	0.00"	

## Certification

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03/01/2024 - 03/31/2024

 [certifiedsnowfalltotals.com/lookup/](https://certifiedsnowfalltotals.com/lookup/)  
Report ID: EGFGEVK

## Illinois: March 22nd, 2024

### Morning Snow Showers End With a Period of Snow March 22nd

**Start:** 3 - 5 AM March 22nd    **End:** 5 - 7 PM March 22nd

A few initial snow and snow pellet showers began to work across the area 3 - 5 AM March 22nd as temperatures fell from the middle 30s down to 32 - 34 degrees. Some of these initial showers had heavy intensity that lasted 15 - 30 minutes at a time, even while remaining rather intermittent through the early morning. The brunt of this activity lessened to a spotty flurry or two later morning and midday, as temperatures ticked back up to 38 - 42 degrees. One last band of precipitation built back in toward 2 - 3 PM, which became a moderate snow for a couple of hours as it cooled once more to 33 - 36 degrees - keeping it all confined to coldest surfaces during this time. All snow then exited 5 - 7 PM.

Zipcode	City	Type	Total	Freezing Rain	Notes
60446	Romeoville	Snow	0.6"	0.00"	

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04/01/2024 - 04/30/2024

 [certifiedsnowfalltotals.com/lookup/](https://certifiedsnowfalltotals.com/lookup/)  
Report ID: 3D2KHSU

## Illinois: April 3rd, 2024

### Late Season Mixed Rain and Snow April 3rd

Start: 5 - 7 AM April 3rd    End: 11 AM - 1 PM April 3rd

Sprinkles and flurries gave way to steadier mixed precipitation 5 - 7 AM April 3rd, which quickly became mostly wet snow for a period near and shortly after daybreak. As the morning progressed, activity became increasingly mixed with rain as temperatures rose. By 11 AM - 1 PM, precipitation had become mostly rain with just some mixed, non-accumulating flakes lingering at times through the afternoon. Temperatures in snow ranged between 33 - 36 degrees, rising to 36 - 39 degrees for the afternoon.

Zipcode	City	Type	Total	Freezing Rain	Notes
60446	Romeoville	Snow	Widely Scattered Coating	0.00"	

## Certification

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**Organization Name: Village of Romeoville Chloride TLWQS Annual Report  
Appendix 4 - Annual Training**

<b>Role in Winter Operations</b>	<b>Training Topics Covered</b>
8/1/23 All management staff, superintendents, foremen and supervisors	2023 Salt Symposium - "New Directions in Chloride"
8/2/23 All management staff, superintendents, foreman and supervisors	2023 Salt Symposium - "Winter Maintenance"
10/4/23 Supervisors, plow drivers and office staff	Winter Deicing Workshop Public Roads - Chloride reduction with equipment, products and techniques.
10/10/23 Supervisors, plow drivers and office staff	Winter Deicing Workshop Public Roads - Chloride reduction with equipment, products and techniques.
10/17/23 Snow removal personnel that handle parking lots and sidewalks	2023 Virtual Deicing Workshop Parking Lots & Sidewalks - Proper snow removal and the use of chlorides for parking lots and sidewalks.
11/16/23 Management staff, superintendents, foremen and all snow removal personnel	Annual Pre-season Snow & Ice Meeting - We cover any changes to equipment, snow plow routes, personnel, application rates and discuss safety protocols.

Type of Equipment	Equipment/Vehicle Number	Type of Spreader (mechanically controlled, computer controlled, etc.)	Type of Material Used with Equipment (Dry, Pre-Wet, Pretreated, Liquids)	Other Important Equipment Information
2018 Peterbilt 348 single axle	1108	V-box computer control	Salt w/pre-wet	Front plow and under body scraper
2015 International 4900 single axle	1012	V-box spreader computer control	Salt w/pre-wet	Front plow
2015 International 4900 single axle	1030	RDS body spreader computer control	Salt w/pre-wet	Front plow
2017 Peterbilt 348 single axle	1043	RDS body spreader computer control	Salt w/pre-wet	Front plow and under body scraper
2016 Ford F550 one-ton dump	1075	V-box spreader computer control	Salt w/pre-wet	Front plow
2019 Ford F550 one-ton dump	1080	V-box spreader computer control	Salt w/pre-wet	Front plow
2018 Peterbilt 348 single axle	1081	V-box spreader computer control	Salt w/pre-wet	Front plow and under body scraper
2019 Ford F550 one-ton dump	1082	V-box spreader computer control	Salt w/pre-wet	Front plow
2020 Peterbilt 348 tandem axle	1087	V-box spreader computer control	Salt w/pre-wet	Front plow and wing plow
2020 Peterbilt 348 tandem axle	1088	V-box spreader computer control	Salt w/pre-wet	Front plow and wing plow
2020 Peterbilt 348 single axle	1089	V-box spreader computer control	Salt w/pre-wet	Front plow
2020 Ford F550 one-ton dump	1098	V-box spreader computer control	Salt w/pre-wet	Front plow
2021 Peterbilt 348 single axle	1106	V-box spreader computer control	Salt w/pre-wet	Front plow and wing plow
2021 Peterbilt 348 single axle	1107	V-box spreader computer control	Salt w/pre-wet	Front plow

Type of Equipment	Equipment/Vehicle Number	Type of Spreader (mechanically controlled, computer controlled, etc.)	Type of Material Used with Equipment (Dry, Pre-Wet, Pretreated, Liquids)	Other Important Equipment Information
2022 Ford F550 one-ton dump	1110	V-box spreader computer control	Salt w/pre-wet	Front plow
2023 Peterbilt 348 single axle	1111	RDS body spreader computer control	Salt w/pre-wet	Front plow and under body scraper
2010 International 4900 single axle	1011	V-box spreader computer control	Dry salt	Front plow back-up truck
2010 International 4900 single axle	1018	V-box spreader computer control	Dry salt	Front plow back-up truck
2010 International 4900 single axle	1033	900 gallon liquid computer control	Anti-icing liquids	
2015 Ford F550 one-ton dump	1072	V-box spreader mechanically control	Dry salt	Front plow back-up truck
2016 Ford F350 pick-up truck	1074	V-box spreader mechanically control	Dry salt	Front plow
2015 Ford F550 one-ton dump	5014	V-box spreader mechanically control	Dry salt	

Location of Storage Area	Material Stored (Rock Salt, Salt Brine, etc.)	Amount of Material Stored 2022-2023	Amount of Material Stored 2023-2024	Material stored under permanent cover? (yes/describe other)	Material stored in a fully enclosed structure? (yes/describe other)	Material stored on an impervious pad? (yes/describe other)	Good housekeeping practices followed at storage area? (yes/describe other)
615 Anderson Dr	rock salt	2,500 tons	2,500 tons	yes	yes	yes	yes
615 Anderson Dr	salt brine	11,000 gallons	3,000 gallons	no - stored in 2 one-piece polyethylene tanks	yes	yes	yes
14631 S Budler Rd	rock salt	2,800 tons	2,800 tons	yes	yes	yes	yes
14631 S Budler Rd	salt brine	6,000 gallons	0	no - stored in one-piece polyethylene tank	yes	yes	yes



<b>Capital Purchase Description</b>	<b>Plan/Schedule for Purchase</b>
Replace single axle dump with snow and ice equipment	One new truck every year for 2024, 2025 and 2026
Replace one-ton dump truck with snow and ice equipment	2024/2025 season
Purchase brine maker with building and product storage	2026

**Romeoville Chloride Sample Results  
Village of Romeoville  
Wastewater Effluent  
Monthly Chlorides MG/L**

	2023	2024
January	329	331
February	316	393
March	287	825
April	341	297
May	359	
June	565	
July	356	
August	348	
September	228	
October	365	
November	350	
December	474	