

February 15, 2022

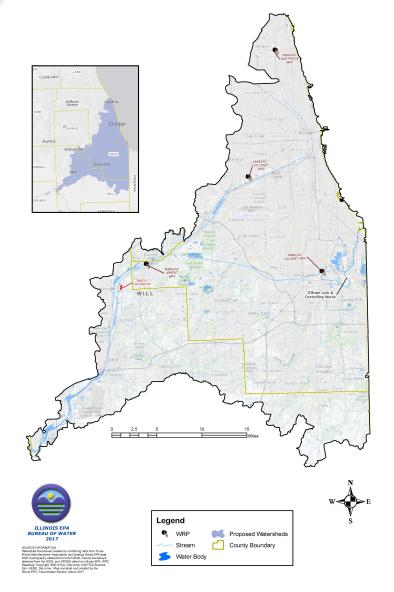
Hanna Miller – Watershed Project Manager The Conservation Foundation Chicago Area Waterways Chloride Workgroup





### Time Limited Water Quality Standard (TLWQS) for Chloride

- The designated use for the Chicago Area Waterways System (CAWS) was updated in the 2010s to support recreational uses
- Water quality standard for chloride changed from 1,500 mg/L (winter) and 500 mg/L (summer) to 500 mg/L year round
- Portions of the CAWS unable to meet the updated chloride standard
- 48 organizations participated in a joint submittal for a watershed-based variance in 2018





# Chloride TLWQS

- In November 2021, the IPCB issued an Opinion and Order for a Time Limited Water Quality Standard for Chloride for portions of the CAWS and Lower Des Plaines Watersheds
- Order is under USEPA review
- Once approved, Illinois EPA will issue permits
- Term of the order is 15 years, with re-evaluation every 5 years
- Watershed based approach to reducing chloride









# Chloride TLWQS Summary/Highlights

Each Permittee covered under the Chloride TLWQS must:

- Participation in one Chloride Workgroup for their watershed
- Preparation of a Pollutant Minimization Plan (PMPs) for their own operations to reduce chlorides using all identified BMPs
- Submit an annual report to IEPA and the Workgroup

There is a process for dischargers wanting to participate that aren't current petitioners to gain coverage under the Chloride TLWQS







## Chloride TLWQS Summary/Highlights

Important Milestones for Permittees after approval:

- 6 months: PMPs due and establish way to track deicing salt usage
- 12 months: Implement all BMPs applicable pursuant in the individual PMPs and in Table 3 of the Chloride TLWQS Order.
- November 30 of each year: Complete annual training of all salt operations staff and complete calibration of all equipment (starts in Year 2)
- July 1 of each year: Submit annual report to IEPA and Workgroup (starts in Year 2)



#### Workgroup Assistance Related to the Chloride TLWQS

- PMP Framework to create consistency across all permittees
- Documentation template to track salt use for use by permittees
- Develop Education and Outreach Materials related to Chlorides
  - Winter Outreach Materials
  - Salt Smart Parking Lots and Sidewalks Winter Maintenance Training and Certification Program
- Co-host regional winter maintenance training workshops
- Annual Reporting Support
- Submittal of Workgroup Status Reports to IEPA in years 3, 8, and 13
- Submittal of Re-evaluation to the IPCB at Year 4  $\frac{1}{2}$ , 9  $\frac{1}{2}$ , and 14  $\frac{1}{2}$ .





#### Watershed Group Contacts

Chicago Area Waterways Chloride Workgroup Hanna Miller – Watershed Project Manager 630-428-4500 x108 hmiller@theconservationfoundation.org www.CAWSWatershed.org (coming soon!)

Lower Des Plaines Watershed Group Jennifer Hammer – Director of Watershed Programs 630-428-4500 x114

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www.LDPWatersheds.org

# Petitioners to the Chloride TLWQS

- Village of Homewood
- Village of Orland Park
- Village of Midlothian
- Village of Tinley Park
- ExxonMobil Joliet Refinery, ExxonMobil Oil Corp
- Village of Wilmette
- City of Country Club Hills
- Noramco Chicago, Inc.
- INEOS Joliet, LLC
- City of Evanston
- Village of Skokie
- IDOT
- MWRDGC
- Village of Richton Park
- Village of Lincolnwood
- City of Oak Forest
- Village of Lynwood

- CITGO Petroleum Corp. Lemont Refinery
- Village of New Lenox
- City of Lockport
- City of Crest Hill
- City of Joliet
- Morton Salt, Inc
- City of Palos Heights
- Village of Romeoville
- IMTT Illinois LLC Joliet Facility •
- Stepan Company
- Village of Park Forest
- Ozinga Ready Mix Concrete, Inc
- Ozinga Materials, Inc
- Midwest Marine Terminals, LLC
- Village of Mokena
- Village of Oak Lawn
- Village of Dolton

- Village of Glenwood
- Village of Lansing
- Village of Frankfort
- Village of Winnetka
- Village of LaGrange
- Village of Channahon
- Cook County Department of Transportation and Highways
- Village of Niles
- Chicago Skyway Toll Bridge, Skyway Concession Company, LLC
- Village of Elwood
- City of Chicago
- Village of Crestwood
- Village of Riverside

