



DuPage River Salt Creek Workgroup

Regulatory Update

Public Roads Deicing Workshop

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Regulatory Background

- ◆ Water quality standard for chloride – 500 mg/L
- ◆ DuPage River and Salt Creek do not currently meet standards
- ◆ IEPA TMDL recommended chloride load reductions
 - ◆ East Branch DuPage River - 33% reduction
 - ◆ West Branch DuPage River - 35% reduction
 - ◆ Salt Creek - 14% reduction

	Salt Creek	East Branch	West Branch	Total
TMDL Target, Tons of Cl ⁻ /yr	13,300	5,200	13,700	32,200
TMDL Baseline, Tons of Cl ⁻ /yr	15,500	7,800	21,100	44,400
DRSCW Baseline, Tons of Cl ⁻ /yr	32,600	16,900	21,200	70,700

NPDES General Permit ILR40

- ◆ **General Permit for Discharges from Small Municipal Separate Storm Sewer Systems (MS4s)**
- ◆ **Permit goes by many names:**
 - ◆ **Municipal Stormwater Permit**
 - ◆ **General Stormwater Permit**
 - ◆ **MS4 Permit**
 - ◆ **NPDES Permit**
 - ◆ **Phase II Permit**

New NPDES General Permit ILR40

- ◆ **Draft permit has been issued for public review and comment**
- ◆ **Contains new deicing program requirements**
 - ◆ **Chloride monitoring requirement**
 - ◆ **Storage and handling requirements**
- ◆ **IEPA hopes the new permit will be final by end of this year**

New NPDES General Permit ILR40

- ◆ **New language specific to deicing programs**
 - ◆ **Minimize the exposure of... deicing material storage facilities... to precipitation and to storm water**
 - ◆ **Deicing material must be stored in a permanent storage structure or seasonal tarping must be utilized. Storage structures or stockpiles shall be located such that no storm water runoff is discharged from the stockpiles or loading/unloading areas of the stockpiles**

Training Requirements

- ◆ Attendance at this workshop helps to meet NPDES permit training requirement
 - ◆ Receiving information on best management practices for reducing pollutant loads from deicing operations
- ◆ Mention this training workshop in NPDES annual reporting

Regulatory Focus on Chlorides

- ◆ **Chicago Area Waterways (CAWS)**
 - ◆ **Chloride Initiative Work Group - MWRDGC**
 - ◆ **New water quality standard for chloride for the CAWS and Lower Des Plaines River**
 - Effective 7/1/2015: WQS of 500 mg/L (May – Nov)
 - Effective 7/1/2018: WQS of 500 mg/L (at all times)
 - ◆ **Chicago Sanitary and Ship Canal**
 - Effective 7/1/2015: Chronic WQS: 620 mg/L (Dec – Apr)
 - Acute WQS: 990 mg/L (Dec – Apr)
 - ◆ **WQS variance is being discussed**

Regulatory Focus on Chlorides

- ◆ Development permits near impaired water bodies are being more closely scrutinized
- ◆ One recent example of a permit being delayed due to concern over a parking lot that would discharge chlorides into an impaired water