

CITY OF SUPERIOR



SUPERIOR

W I S C O N S I N

Living up to our name.

Combined Sewer Overflow Public Notification Plan 2021 Annual Notice

Prepared by:
ESD Staff

TABLE OF CONTENTS

SECTION 1 – INTRODUCTION.....	3
SECTION 2 – 2021 COMBINED SEWER OVERFLOW EVENTS.....	5
SECTION 3 – OVERFLOW REDUCTION EFFORTS	6
SECTION 4 – CHANGES TO OVERFLOW LOCATIONS OR PUBLIC NOTIFICATION PLAN	8
SECTION 5 – CONTACT INFORMATION	9

LIST OF FIGURES

Figure 1.1 Number of Combined Sewer Overflow Wet Weather Events per Year	3
Figure 1.2 Annual Total Combined Sewer Overflow Volume	4

LIST OF TABLES

Table 1.1 Combined Sewer Overflow Locations	4
---	---

1 INTRODUCTION

The City of Superior Environmental Services Division of Public Works (ESDPW) serves a population of 26,751 within the city of Superior (2020 census), and satellite sewer system of the Parkland Sanitary District. ESDPW operates four treatment facilities: the main treatment plant, and three auxiliary treatment facilities (CSTPs). The three auxiliary treatment facilities have storage basins at each location. Updates to the collection system and main treatment plant, and changes made to the way the treatment facilities are run, have made overflows rare. Figure 1.1 shows the number of combined sewer overflow events per year since 2002. Figure 1.2 shows the total annual volume of combined sewer overflows since 2002. Table 1.1 lists each combined sewer overflow location and its receiving water. All CSOs at the CSTEP 5 and CSTEP 6 facilities receive a minimum level of treatment, including primary clarification and floatables removal prior to discharge, and are classified as “Treated Combined Sewer Overflows.”

ESDPW is preparing this annual notice in response to the federal regulations, 40 CFR 122.38, which were published in the *Federal Register* on January 8, 2018, and became effective on February 7, 2018. For overflows to the Great Lakes Basin, these regulations establish minimum overflow notification procedures and the preparation of a notification plan no later than August 7, 2018. These regulations also establish minimum requirements, starting on February 7, 2019, for providing an annual notice describing the CSO discharges from its discharge point(s) that occurred in the previous calendar year by May 1 of each calendar year.

Figure 1.1 Number of Combined Sewer Overflow Wet Weather Events per Year

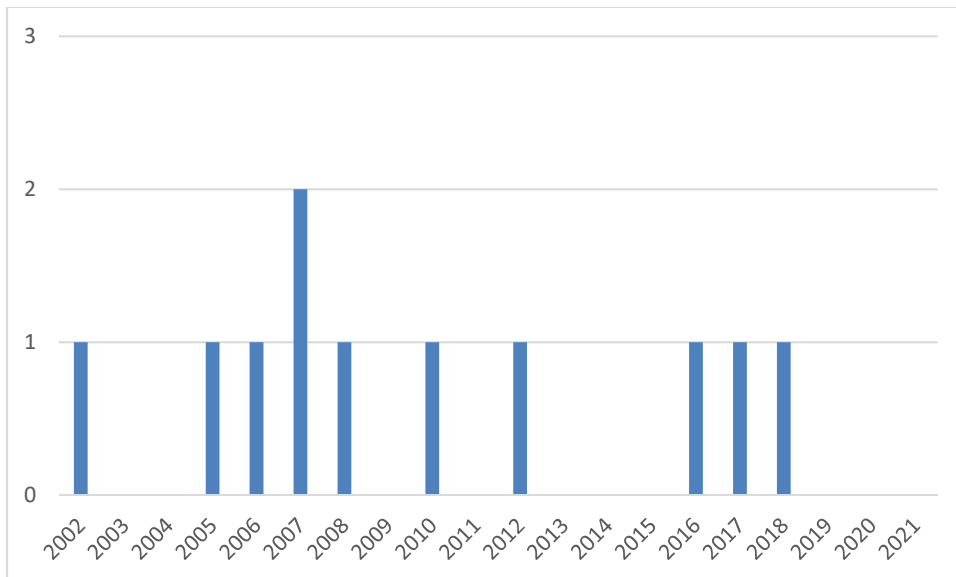


Figure 1.2 Annual Total Combined Sewer Overflow Volume

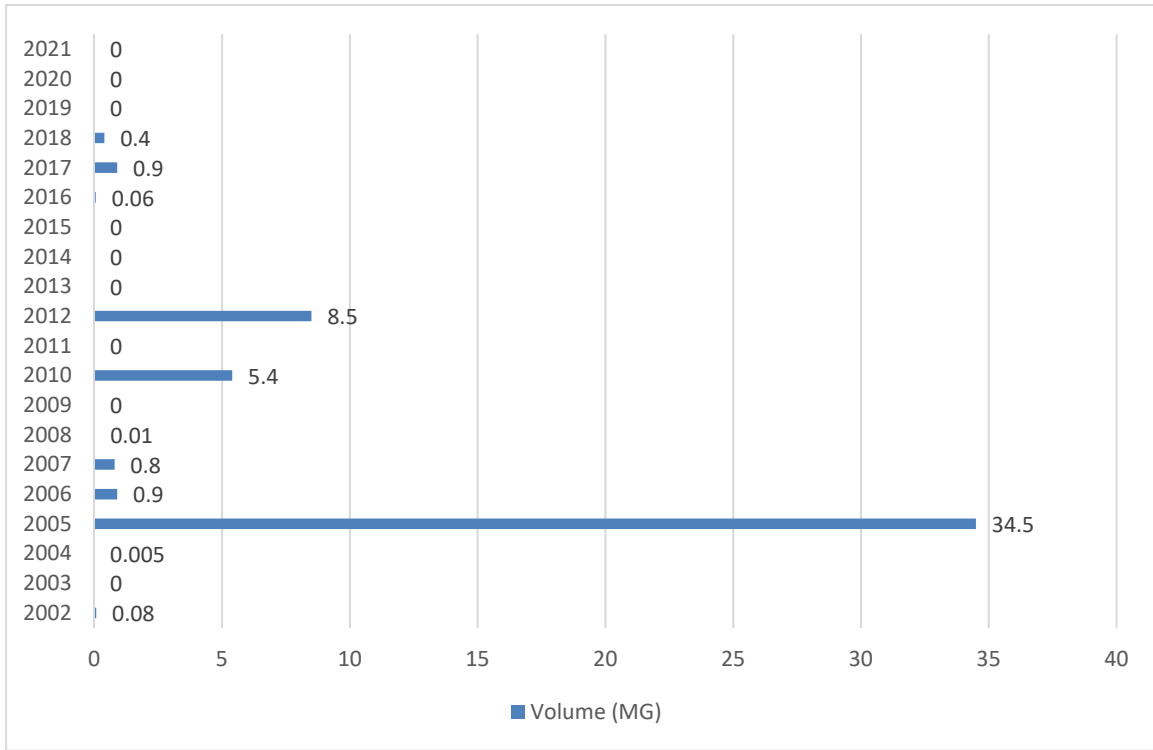


Table 1.1 Combined Sewer Overflow Locations

Name	Location	Surface Water
CSO 2	51 E. 1 st Street	Superior Bay
CSO 5	61 st Street & Birch Avenue	Nemadji River
CSO 6	Texas Avenue & 17 th Street	St. Louis River

2 2021 COMBINED SEWER OVERFLOW EVENTS

There were zero (0) Combined Sewer Overflow events in 2021.

3 OVERFLOW REDUCTION EFFORTS

Per the EPA's CSO Control Policy, the Nine Minimum Controls for Combined Sewer Overflows, and the City of Superior's actions on these controls, are:

1. *Proper operation and regular maintenance programs for the sewer system and CSO outfalls;*
The City of Superior has a Capacity Management Operation and Maintenance (CMOM) program, which includes goals for routine cleaning of separated and combined sanitary sewers, repair and rehabilitation of collection system manholes and inlets/catch basins, and inspection of separated and combined sanitary sewers and manholes. These goals are routinely met and exceeded by the City of Superior.
2. *Maximum use of the collection system for storage;*
In addition to storage inherently available within the sewers themselves, the auxiliary treatment facilities within the combined sewage districts in the City of Superior have basins for storage of wet weather flows.
3. *Review and modification of pretreatment requirements to ensure that CSO impacts are minimized;*
The City of Superior has a Pretreatment Program that ensures flows to public sewers meet specific requirements per City, State and Federal regulations.
4. *Maximization of flow to the POTW for treatment;*
In 2020, 100% of flow was discharged through a POTW. Additionally, at least 99.9% of flow was discharged through a POTW from 2016 through 2020.
5. *Elimination of CSOs during dry weather;*
The City of Superior has not had a dry weather CSO in the last ten years.
6. *Control of solid and floatable materials in CSOs;*
Control of solid and floatable materials in CSOs is obtained by the installation of baffles at the overflow locations settling within the basins at the auxiliary treatment facilities. Solids within the basins are routinely removed and disposed of at the local landfill.
7. *Pollution prevention programs to reduce contaminants in CSOs;*
The City of Superior has a robust Pollution Prevention Program that includes control measures (Mutt Mitt dispensers, weekly street sweeping, etc.), public education (brochures, fliers, websites, tabling or speaking at events, tours, etc.), an illicit dumping program (ordinances, inspections, enforcement), construction oversight (plan review, permitting, inspections, enforcement), and an industrial pretreatment program for local industries.
8. *Public notification to ensure that the public receives adequate notification of CSO occurrences and CSO impacts; and*
The City of Superior has implemented a Combined Sewer Overflow Public Notification Plan, which includes, but is not limited to, notification through a publicly accessible website, notification to the Douglas County Health and Human Services Department and the local private water utility, and press release to the Superior Telegram.

9. *Monitoring to effectively characterize CSO impacts and the efficacy of CSO controls.*

The City of Superior has completed its LTCP Post Construction Monitoring Plan and submitted the final report to the Wisconsin DNR on March 23, 2015.

Additionally, the City of Superior has a Combined Sewer Overflow Long Term Control Plan in effect.

4 CHANGES TO OVERFLOW LOCATIONS OR PUBLIC NOTIFICATION PLAN

4.1 Overflow Location Changes

No changes have been made to any overflow locations in 2021.

4.2. Public Notification Plan Changes

The City of Superior Combined Sewer Overflow Public Notification Plan was originated in August 2018, with most recent updates in April 2022. Updates include the following: updated census population data; addition of 2021 combined sewer overflow information; updates to overflow location signage, including inspection work order example; and updates to the contacts (Appendix A). A current copy of this document is available online at <http://www.ci.superior.wi.us/902/Combined-Sewer-Overflows>.

5 CONTACT INFORMATION

Any question or comments regarding this notice shall be forwarded to:

Jon Shamla

Wastewater Engineering and Operations Manager

City of Superior

Environmental Services Division of Public Works

(715) 394-0392 x 1008

shamlaj@ci.superior.wi.us