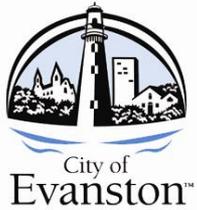


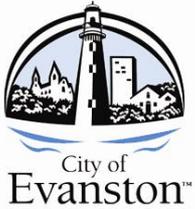
# National Pollutant Discharge Elimination System (NPDES) Pollution Prevention Plan December 5, 2019



# CSO Background

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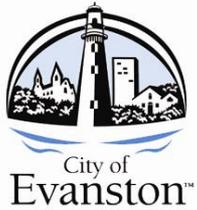
- Combined sewer systems (CSSs) are wastewater collection systems designed to carry sanitary sewage (consisting of domestic, commercial, and industrial wastewater) and storm water (surface drainage from rainfall or snowmelt) in a single pipe to a treatment facility.
- CSSs serve about 43 million people in approximately 1,100 communities nationwide.



# CSO Background

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- Most of these communities are located in the Northeast and Great Lakes regions.
- During dry weather, CSSs convey domestic, commercial, and industrial wastewater.
- In periods of rainfall or snowmelt, total wastewater flows can exceed the capacity of the CSS and/or treatment facilities.



# CSO Background

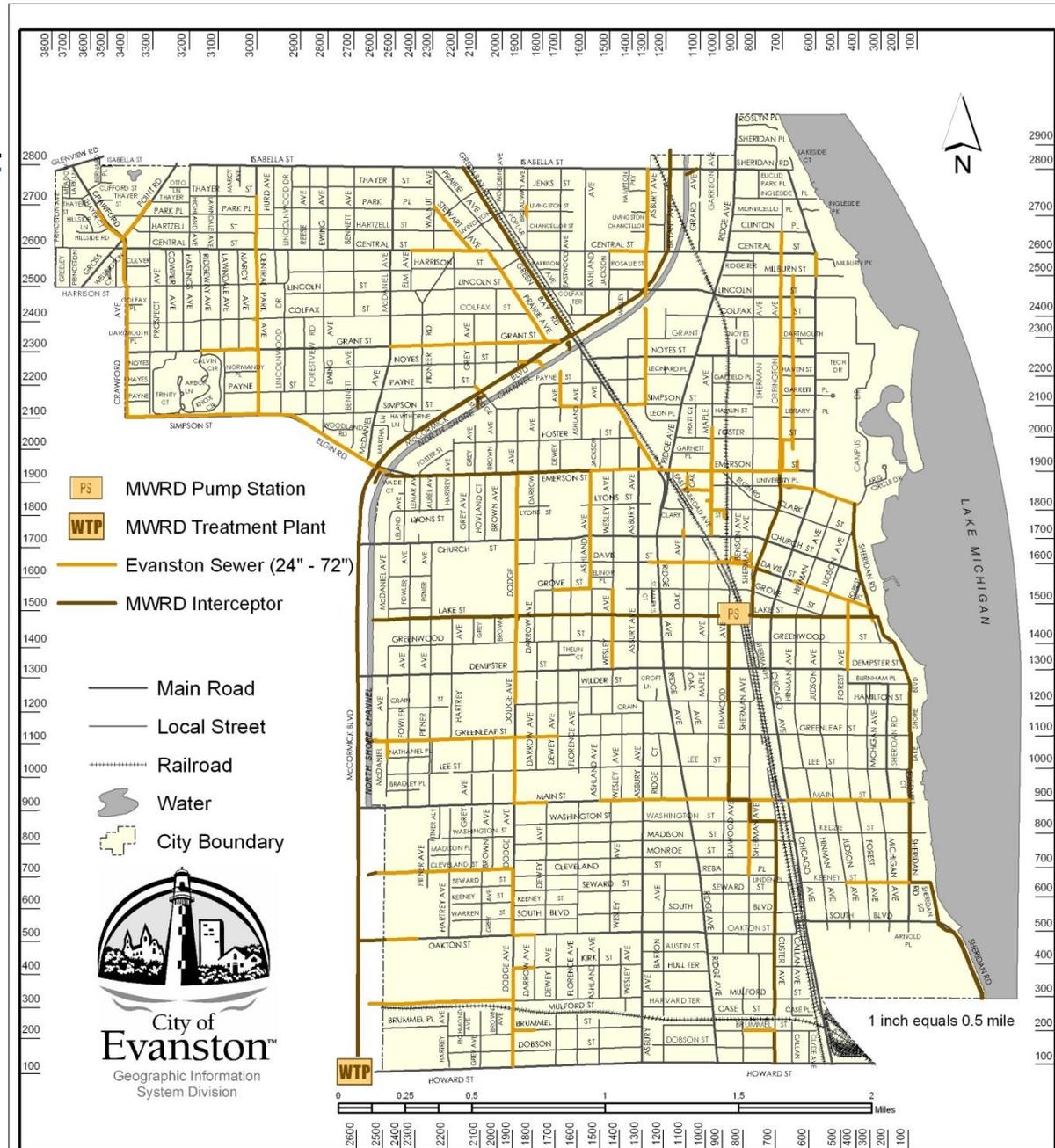
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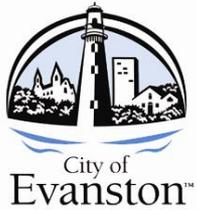
- When this occurs, the CSS is designed to overflow directly to surface water bodies, such as lakes, rivers, estuaries, or coastal waters.
- These overflows-called combined sewer overflows (CSOs)-can be a major source of water pollution in communities served by CSSs.



# Major Combined Sewer System

- City operates 3 separate sewer systems
  - Combined
    - 144 miles total
    - 100 miles is older than 100 years
  - Combined Relief (Long Range Sewer Program)
  - Storm Sewer System

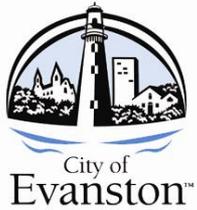




# CSO Minimum Controls

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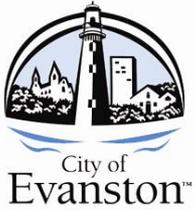
- The Minimum Controls are controls that can reduce CSOs and their effects on receiving water quality, do not require significant engineering studies or major construction, and can be implemented in a relatively short period (e.g., less than approximately two years).



# Pollution Prevention Plan

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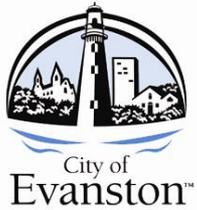
- Pollution prevention, is intended to keep contaminants from entering the CSS and thus receiving waters via CSOs.
- Congress enacted the Pollution Prevention Act of 1990 to establish a national strategy for pollution prevention.
- Section 6602(b) of the Act establishes the following hierarchy for pollution management efforts:



# Pollution Prevention Plan

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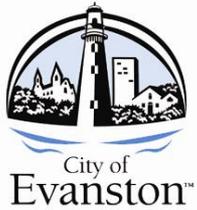
- Pollution should be prevented or reduced at the source whenever feasible.
- Pollution that cannot be prevented should be recycled in an environmentally safe manner' whenever feasible.
- Pollution that cannot be prevented or recycled should be treated in an environmentally safe manner whenever feasible.



# Pollution Prevention Plan

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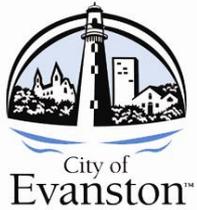
- Disposal or release of pollution into the environment should be employed only as a last resort and should be conducted in an environmentally safe manner.
- The objective of this minimum control is to reduce to the greatest extent possible the amount of contaminants that enter the CSS. Most of the suggested measures involve behavioral change rather than construction of storage or treatment devices.



# Pollution Prevention Plan

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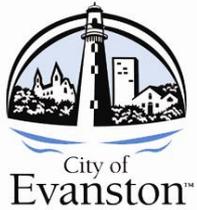
- Pollution prevention measures such as street cleaning, public education programs, solid waste collection, and recycling can keep contaminants from entering the CSS.



# Pollution Prevention Plan

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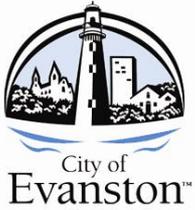
- Street Cleaning – Street cleaning is conducted from **March 1 to December 15** to eliminate litter, debris and leaves from the streets. Parking signage indicates the specific days and times that parking restrictions are in place (i.e. First Thursday of Month, 9 a.m. to 1 p.m.). Please park according to the posted street signage. Signs are posted at the beginning and end of each block.



# Pollution Prevention Plan

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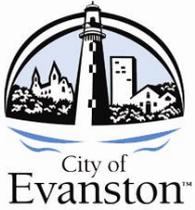
- Street Cleaning – The City offers courtesy text message and email notifications to remind community members to move their vehicles. Notifications are sent one to two days prior to the actual street cleaning day. View the maps on the City’s website to determine which street cleaning zone you live in or call/text 847-448-4311.



# Pollution Prevention Plan

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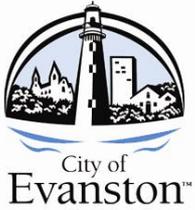
- Public Education Programs – The Public Works Agency distributes literature about pollution prevention through City’s website and utility bills. In addition, information can also be distributed via social media such as Twitter (@evanstonutil).



# Pollution Prevention Plan

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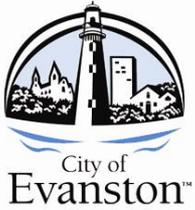
- Public Education Programs
  - Waste Reduction Workshops
  - Recycling “NOPE” campaign
  - Sustainable Business Recognition Program
  - Pick Up After Your Pet Reminder (City Code 9-4-12)
  - Annual Earth Day and Arbor Day Community Cleanup Event, “Cleanup Evanston!”
  - Livable Landscapes Program



# Pollution Prevention Plan

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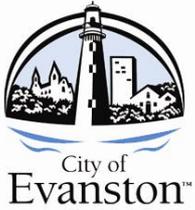
- Solid Waste Collection Procedures – The City of Evanston offers an array of waste-related services for Evanston residents, businesses and organizations including garbage, recycling, food and yard waste collection and special collection programs. These services are all administered by the Public Works Agency and questions or concerns related to these services should be directed to 3-1-1.



# Pollution Prevention Plan

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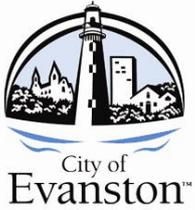
- Solid Waste Collection Procedures
  - Residential/Condo
  - Commercial/Business
  - Commercial Solid Waste Franchise
  - Commercial Composting
  - Special Collection
  - Special Pickups and Bulk Collection



# Pollution Prevention Plan

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- Solid Waste Collection Procedures
  - Bulk Collection: : The City of Evanston offers the FREE removal of six cubic yards of bulk garbage twice per year:
  - Residents can now sign up for text/email notifications to remind them of bulk trash collection in the spring and fall seasons. Notifications will be sent out two weeks prior to the bulk trash-collection day, and again two days prior to the bulk trash collection day.



# Pollution Prevention Plan

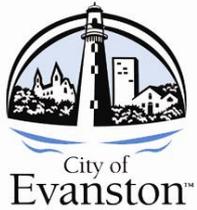
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## Fall 2019 Bulk Trash Collection:

If your normal trash collection day is:	Your bulk trash collection day is:
Wednesday	Friday, September 13
Thursday	Friday, September 20
Monday	Friday, September 27
Tuesday	Friday, October 4

## Spring 2019 Bulk Trash Collection:

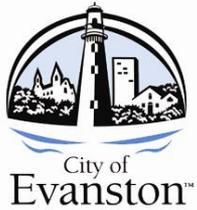
If your normal trash collection day is:	Your bulk trash collection day is:
Wednesday	Friday, April 5
Thursday	Friday, April 12
Monday	Friday, April 19
Tuesday	Friday, April 26



# Pollution Prevention Plan

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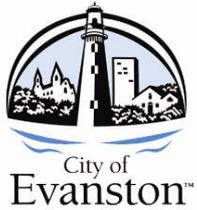
- Recycling Efforts - The Evanston Public Works Agency's Environmental and Recycling division manages residential recycling within the City. Recycling collection for small residential buildings in Evanston occurs on a weekly basis. Evanston's curbside and alley recycling collection program includes glass, paper, metal and certain plastics (#1-5 and 7s).



# Pollution Prevention Plan

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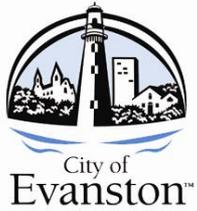
- Efforts Taken to Ban / Substitute Non-degradable Products - Starting **August 1, 2015** large Evanston retailers will no longer offer free disposable plastic shopping bags to customers. This change follows the ordinance approved by the Evanston City Council on July 28, 2014 (Ord. 66-O-14).



# Pollution Prevention Plan

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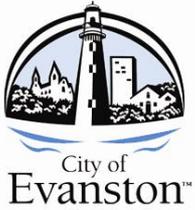
- Control of Product Use
  - **Salt:** The Public Works Department follows the guidelines of the Salt Institute, which encourages “sensible salting”. The Public Works Department controls the application rate of de-icing chemicals by calibrating spreading equipment, training personnel, and applying chemicals in rates proportional to the depth of snow expected and in consideration of ambient air temperatures.



# Pollution Prevention Plan

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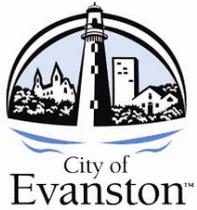
- Control of Product Use
  - **Pesticides:** City's Sustainable Pest Control and Pesticide Reduction Resolution passed in 2010 with the goal of reducing pesticide applications on City-owned or –leased property to the maximum extent feasible through the implementation of least-toxic integrated pest management techniques.



# Pollution Prevention Plan

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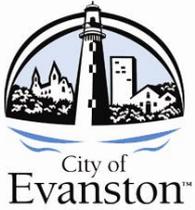
- Control of Product Use
  - Beginning in 2012, the City switched to the use of organic fertilizers on all athletic fields and public parks. The athletic fields receive two applications of fertilizer per year, and some of the City's larger, high-use parks receive one application per year.



# Pollution Prevention Plan

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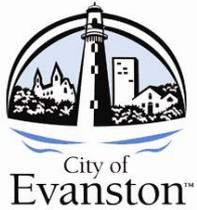
- Illegal Dumping Control – The City Code, Section 8-4-9-1(E): General Disposal Requirements: states “No refuse shall be deposited, be thrown away, or be permitted to accumulate or remain in any street, alley or other public place or in any place where its presence would constitute a nuisance to other or a potential or actual hazard to health, sanitation or safety.



# Pollution Prevention Plan

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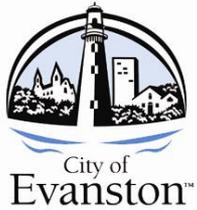
- Hazardous Waste Collection – Evanston does not collect hazardous waste materials. Information regarding hazardous waste collection is available on the Public Works Services page on the City’s website. Information regarding the following topics are included:



# Pollution Prevention Plan

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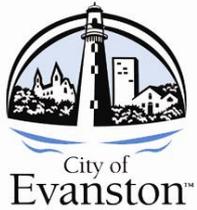
- Hazardous Waste Collection
  - Electronics and Batteries
  - Fluorescent Light Bulbs Collection
  - Holiday Light and Tree Collection
  - Medications and Sharps Collection
  - Household Hazardous Waste Disposal
  - Plastic Film Collection and Share-a-Bag



# Pollution Prevention Plan

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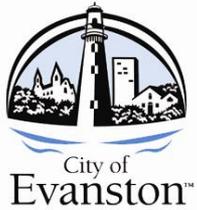
- Water Conservation Efforts – The City adheres to the policies required by the Rules and Regulations for the Allocation of Water from Lake Michigan. The City has ordinances that regulate water used for air conditioning units, water turn off for vacant buildings, wasting water, restriction on lawn sprinkling and other water uses, and adoption of the State of Illinois Plumbing Code.



# Pollution Prevention Plan

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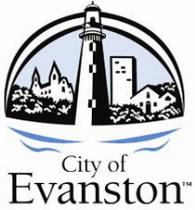
- Water Conservation Efforts – The Evanston Water Utility’s 2018 Annual Water Audit (October 1, 2017 through September 30, 2018) resulted in a Non-Revenue Water of 5.2% which is well below the 2018 threshold of 12%. The Water Year 2019 threshold decreases to 10% (October 1, 2018 through September 30, 2019).



# Pollution Prevention Plan

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- Commercial/Industrial Pollution Prevention – All commercial / industrial sites with the City are required to comply with the Metropolitan Water Reclamation District's Sewage and Waste Control Ordinance and comply with all requirements of the IEPA.



# Contact Information

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Darrell A. King

Water Production Bureau Chief

Public Works Agency

[dking@cityofevanston.org](mailto:dking@cityofevanston.org)

311

An aerial photograph of a coastal city, likely San Francisco, showing a dense urban grid, a large stadium (SAP Center), and a coastline with a large body of water. The water transitions from a shallow turquoise near the shore to a deep blue further out. The city is built on a hilly terrain with a grid of streets and some green spaces.

**QUESTIONS?**