

# **VILLAGE OF BURNHAM, ILLINOIS**

## **COMBINED SEWER SYSTEM (CSO)**

### **POLLUTION PREVENTION PLAN**

#### **Term and Definitions:**

CSO - Combined Sewer Overflow; overflow of combined sewage which discharges untreated wastewater into the Village's contact waterway.

NPDES - National Pollutant Discharge Elimination System

IEPA - Illinois Environmental Protection Agency

MWRDGC - Metropolitan Water Reclamation District of Greater Chicago

TARP - Tunnel and Reservoir Plan

The following describes the use of pollution prevention best management practices (BMPs) by the Village of Burnham. These practices are intended to both reduce the volume of pollutants entering a combined sewer system(CSS), and to help reduce the number of combined sewer overflows (CSOs) that occur during storm water runoff producing events.

Most of the pollutant source removal techniques of the Operations and Maintenance Plan have been performed by the Village's Public Works Department or have been contracted to private companies for decades. For example, the Village owns its own street sweeping equipment, and sweeps each street in the Village once every two weeks, weather permitting. Efforts are made during the autumn months to concentrate on removing leaves, which clog catch basin grates and disrupt water flow along curbs.

The Village utilizes outside contractors to clean sewers in response to resident complaints about sewer backups. The Public Works Department does, through its experience over the years, have a series of sewer sections throughout the Village that it regularly checks to verify that they are flowing properly. Sewer jetting contractors are typically called out an average of 25 times per year, or twice per month.

The Public Works Department generally reacts to resident complaints about backups and flooding by having the structures cleaned and/or repaired as needed. Since the Village does not own sewer vacuum equipment for catch basin cleaning, this work is also contracted to private companies. Most catch basin and manhole rehabilitation, when necessary, is performed by Public Works. The Village serves the needs of its residents by performing this work in response to residential complaints.

The Village is focusing on source controls on an annual basis as follows:

- **Street Cleaning:**

All streets are swept at least once every two weeks, with additional sweeping occurring during the fall months for extra leaf pick-up. Streets are also cleaned on an as-needed basis. The Public Works Department cleans the streets after automobile accidents and major storms.

- **Catch Basin Cleaning:**

Each structure is inspected and cleaned (if necessary) on a twenty year rotating basis. In addition, any structures prone to recurring problems will be regularly checked and cleaned.

- **Sewer Flushing:**

Sewers within a specified subarea experiencing problems will be flushed. In addition, any sewers prone to recurring problems will be regularly checked and cleaned.

- **Educating the Public via Anti-Litter Campaigns:**

The Village provides community service and summer jobs for youth that focus on cleaning up litter. "No littering" signs are placed throughout the Village, and penalties for littering is strictly enforced by the police department. The Village provides public trash receptacles in all commercial areas.

- **Solid Waste Collection Procedures:**

The Village performs its own waste collection. Residential, commercial and industrial waste is collected weekly.

- **Recycling Efforts:**

Due to the small size of the Village, it is not cost effective to have a recycling program. If residents and businesses wish to recycle, the Village will provide them with information on area recycling centers.

- **Ban or Substitute Products:**

The Village follows MWRDGC rules regarding banned products. The Public Works Department sparingly uses weed-killer throughout the summer season. Spray events are minimal and concentrate directly on weed growth on public properties with minimal opportunity to discharge into surface waters.

- **Illegal Dumping Control:**

The Village of Burnham prohibits the depositing or dumping of any materials on public property or into the Village's sewer system. The Village has placed notices in appropriate locations to discourage illegal dumping. The Village posted "no dumping" signs in those areas that are prone to dumping and they increase Police and Public Works surveillance. The Village also encourages residents to call the police if they suspect fly dumping. The Village also works with the owners of open land to construct fences that prevent illegal dumping. Additionally, the Village will work with the Industrial Waste Division of the Metropolitan Water Reclamation District of Greater Chicago (MWRDGC) to investigate suspected illegal dumping into the Village Sewer.

- **Bulk Refuse:**

Residents may dispose of bulk items (furniture, appliances, etc.) and a limited amount of construction materials in accordance with the Village's residential solid waste collection and disposal program. Homeowners and businesses can contract separately with licensed waste haulers for the collection and disposal of any materials not collected, or eligible for collection, in the Village's residential solid waste collection and disposal program. The Village picks up bulk refuse from parkways and alleys first Friday of each month. This is a free service that Public Works provides to the residents of Burnham.

- **Hazardous Waste Collection:**

The Illinois Environmental Protection Agency periodically sponsors household hazardous waste collection days in area municipalities. These collection events are provided to the residents for the disposal of items containing toxic,

corrosive, explosive, or flammable substances. The information is provided to residents upon contacting the Village. The Village adheres to the MWRDGC hazardous waste collection and informs the residents to view the MWRDGC Web site for more information on dates and locations for hazardous waste collection days.

- **Water Conservation Efforts:**

The Village of Burnham prohibits lawn sprinkling from May 15<sup>th</sup> through September 15<sup>th</sup> of each year except between the hours of 7:00 p.m. and 12:00 midnight. Sprinkling is only permitted on even-numbered calendar days at locations with even-numbered addresses and on odd-numbered calendar days at locations with odd-numbered addresses. The president and board of trustees may temporarily ban all outside water uses in the event of an emergency water shortage.

- **Pollution Prevention for Industrial Users:**

The Village follows MWRDGC rules and regulations regarding pollution prevention for industrial users.

The Village serves the needs of its residents by having catch basin and sewer cleaning equipment made available in response to residential complaints that may arise. Its formalized inspection and cleaning program helps remove additional pollutants from the combined sewer system. Since all flows are currently collected by the TARP system, it is unlikely that more regular cleaning (i.e. additional crews) would have a significant effect on CSO pollution reduction into the receiving watercourse. Source controls are to be continued in accordance with the Village's current practices.

Any sewer suspected of containing blockages will be investigated through sewer televising. Evaluations of all source control measures are performed annually, or as deemed necessary by the Village, to determine their levels of success in minimizing pollutants entering the receiving watercourses, and also to ensure cost-effectiveness in their implementation. Periodic reviews of CSO frequencies, water quality monitoring data (from MWRDGC), and sewer system operation would assist in determining effectiveness of these source control measures. It should be noted that, in many cases, determinations may be difficult to establish after the completion of TARP, since CSO occurrences are expected to be minimal, and all first flush volumes treated.

The Village of Burnham has developed the Pollution Prevention Plan based on information by the MWRDGC. The link to the MWRDGC site is provided below, thus fulfilling the Pollution Prevention plan requirements of the NPDES permit. This plan was developed in compliance with the requirements of the Village's National Pollutant Discharge Elimination System (NPDES) Combined Sewer Overflow (CSO) General Permit No. ILM580018. The primary objective of this plan is to keep contaminants from entering the Village's combined sewer system.

<http://www.mwrdd.org/irj/portal/anonymous/overview>

