

EXECUTIVE SUMMARY

The City of Oakbrook Terrace (City) is an owner and operator of a Municipal Separate Storm Sewer System (MS4) as defined by the Illinois Environmental Protection Agency's (IEPA) National Pollution Discharge Elimination System (NPDES) Phase II program. The City has applied for and obtained coverage under the IEPA's General NPDES Permit for Discharges from Small Municipal Separate Storm Sewer Systems.

A central requirement of the NPDES Phase II Permit is the development and implementation of a comprehensive Stormwater Management Program Plan (SMPP) to reduce or prevent the discharge of pollutants from entering the municipal storm sewer system. The SMPP encompasses all aspects of the City's NPDES Phase II program and specifically addresses the following six minimum control measures:

- 1) Public Education and Outreach
- 2) Public Participation and Involvement
- 3) Illicit Discharge Detection and Elimination
- 4) Construction Site Runoff Control
- 5) Post Construction Site Runoff Control
- 6) Pollution Prevention and Good Housekeeping

Portions of the City's program rely on DuPage County as a Qualifying Local Program (QLP) to meet the requirements of the ILR 40 permit as indicated in the Notice of Intent (NOI).

This SMPP details all of the Best Management Practices (BMPs), activities, policies, and procedures that the City of Oakbrook Terrace employs to protect water quality by reducing or preventing the introduction of contaminants into the municipal separate storm sewer system and to meet the requirements of their MS4 permit.

The SMPP is a living document that should be reviewed and updated regularly based on changes within the City and the NPDES regulations. If fully utilized, the SMPP provides the City with a vital tool to meet the following goals of this program:

- Improve water quality,
- Provide cleaner and more aesthetically pleasing local water bodies and streams,
- Enhance recreation opportunities,
- Healthier environment for residents and wildlife.

Questions or concerns relating to the City's NPDES program should be sent to the Public Services Department.

City of Oakbrook Terrace
Stormwater Management Program
For All Municipally Owned Facilities

Prepared for:

City of Oakbrook Terrace
Public Services Department
17W275 Butterfield Road
Oakbrook Terrace, IL 60181

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1. INTRODUCTION

1.1 Overview

The City of Oakbrook Terrace (City) is an operator of a Municipal Separate Storm Sewer System (MS4) as defined by the Illinois Environmental Protection Agency's (IEPA) National Pollution Discharge Elimination System (NPDES) Phase II program. The City has applied for and obtained coverage under the IEPA's General NPDES Permit for Discharges from Small Municipal Separate Storm Sewer Systems.

A central requirement of the NPDES Phase II Permit is the development and implementation of a program to reduce or prevent the discharge of pollutants from municipal operations and municipally-owned facilities. To meet these requirements, the City has developed this Stormwater Management Program Plan (SMPP) and Storm Water Pollution Prevention Plan (SWPPP) for all municipally owned facilities.

1.2 Objectives

The purpose of the Stormwater Management Program Plan (SMPP) and Storm Water Pollution Prevention Plan (SWPPP) is to detail the City's overall NPDES MS4 program and identify, implement and evaluate Best Management Practices (BMP) that will prevent or reduce the release of pollutants from municipal activities to the separate storm sewer system. To achieve this goal, the SMPP/SWPPP will:

- Identify potential sources of pollution from municipal sources,
- Evaluate the potential for release of the pollutants,
- Identify the potential for stormwater contamination if pollutants are released,
- Identify and evaluate existing BMPs utilized to reduce or prevent the release of pollutants or the contamination of stormwater,
- Identify and evaluate the operations, maintenance, inspection, training and documentation procedures of City staff to reduce or prevent non stormwater discharges.

Given these objectives, the SMPP/SWPPP will:

- Define the critical stormwater pollution prevention personnel,
- Provide municipally owned facility locations, descriptions and site activities,
- Detail the location and type of potential stormwater pollutants,

- Describe BMP's including policies and procedures used by the City to prevent or reduce the release of pollutants,
- Provide a resource for City staff and regulators regarding inspection, training and recordkeeping procedures for municipal activities.

The SMPP/SWPPP will be reviewed annually during the City's Annual Facility Inspection as required by the NPDES Phase II Permit and will be kept at the Public Services Facility located at 17W275 Butterfield Road, Oakbrook Terrace, IL 60181.

2. MUNICIPAL FACILITIES ASSESSMENT

2.1 Facility Locations and Operations

The City has twenty-one municipally owned facility sites providing a variety of functions and municipal services. The name, location and responsible Village department for each facility site is listed below in Table 1.

	Name	Property Address
1	City Hall/Police Station	17W275 Butterfield Road
2	Public Services Complex	Butterfield Road

Facility #1 City Hall/Police Station

Location: 17W275 Butterfield Road

The City Hall includes the Mayor’s Office, Administration Finance Department, and Building and Zoning Department. The Police Department houses all law enforcement staff, support staff and associated operations. Neither building houses any activities or products that pose a significant risk of potential pollutant discharge to the municipal storm sewer system. The Police Station sallyport floor drains discharge through a triple basin then into the sanitary sewer. A permeable paver parking lot was installed for the Police Station parking lot to further reduce runoff and the discharge of pollutants. Annual inspection of this lot should be conducted to determine the need for vacuuming and other maintenance.

Contaminant Risk: Low

Recommendations: No additional action required at this time.

2.2 Description of Activities and Uses

Facility #1: Public Services Complex

Location: Butterfield Road

The City of Oakbrook Terrace Public Services Complex is located at 17W275 Butterfield Road. The facility is bordered to the south by an IDOT Maintenance Facility and to the north by a cemetery.

Uses at the site include Public Services Administration and support staff, maintenance and repair of municipal infrastructure, including street equipment, public buildings, potable water

system, and storm water sewer systems. The facility also houses a full service vehicle maintenance shop for servicing and repairing municipal vehicles and equipment. The primary parking garage houses on average ten to twenty vehicles depending on the season. The vehicles parked in these areas include both gasoline and diesel powered trucks, cars and off road equipment. The garage is protected by a series of floor drains that carries any spilled materials or fluids to the facility's triple basin system then to the sanitary sewer. A salt dome contains all stored product. Outdoor storage is limited to bins of stone and sand, and temporary staging of excess excavated material and bush.

Material safety Data Sheets for all Materials stored at the complex are on file with the Director of Municipal Services.

Contaminant Risk: Moderate

Recommendations: A moderate risk for the contamination of stormwater exists at this facility primarily due to the storage of materials outside, uncovered or without secondary containment. Action items include: 1) storing construction, organic (tree) and other debris under a canopy or alternate cover or provide containment of the storage areas or other means of preventing stormwater contamination from debris runoff. Once completed, the contaminant risk at the site will be low.

Exhibit 1. Public Works Complex

Action Item: To address this risk, the City will consider the potential to temporarily tarp spoils piles, and install inlet filter baskets to reduce particulates from entering the stormwater system.

Contaminant Risk: Low

2.3 Preventative Maintenance

The City regularly performs activities aimed at preventing or reducing the release of pollutants by capturing them before they can be collected by stormwater runoff and discharged to the separate storm sewer system.

The Village conducts a street sweeping program and regularly maintains the driving and parking areas at municipal facilities as part of the program. These activities prevent the release of pollutants from these areas during storm events.

The vehicle service repair bays are washed down on a weekly basis or as needed and these

floor drains are also connected to the triple basin. The regular basin inspection period of six month intervals or as needed has historically proved to be an effective and accurate schedule.

The vehicle service facility at the Public Services Complex has a routine safety inspection completed by appropriate qualified personnel. During the routine inspection, each oil and other liquid or waste tank is visually inspected for damage or potential leakage. The secondary containment systems are also inspected on a regular basis.

Prior to operating a municipally owned motor vehicle, drivers complete a pre-trip inspection. A vital part of the inspection process is to identify any leaking fluids. These inspections are completed regularly. If a driver were to find a leaking hydraulic system, a leaking fuel systems or any other fluid release the driver would be responsible for placing an absorbent material down or taking appropriate similar action to prevent or reduce the potential for discharge of pollutants. The vehicle would also be repaired as needed to address and/or eliminate the potential for pollutant discharge.

2.4 Good Housekeeping

Pollution Prevention and Good Housekeeping is a critical component of the City's program to prevent and/or reduce the discharge of contaminants to the separate storm sewer system.

All bulk materials are stored under cover or indoors

All of the oil and fuel storage tanks are double walled tanks with secondary containment, meeting all of the required standards at the time they were installed.

If required to divert a spill from any one of the onsite storm sewers there are many types of bulk dry material on site which could be used to build a temporary berms or dams. Dry material on site would include stone, sand, salt and dirt.

2.5 Training

Employee education and training is a vital component of the City's overall MS4 NPDES program. The City regularly provides training for employees on a variety of topics related to good housekeeping, spill prevention, proper maintenance procedures and other pertinent topics.

Additional information related to employee training and staff continuing education can be found in the by contacting that department's Director.

3. INSPECTIONS

3.1 Inspection Procedures

The monitoring and inspection of municipally owned facilities is a vital aspect of the City's MS4 NPDES Phase II Permit. Facility Inspections are completed by the following qualified individuals or their designee:

Craig Ward – Director of Public Services

3.2 Annual Facility Inspection

As required by their MS4 Permit, the Village conducts annual inspections of their municipal facilities. The facility inspections are carried out by qualified personnel and documented by staff with appropriate forms and procedures. IEPA forms relating to the Annual Facility Inspection are provided in the Village's Stormwater Management Program Plan (SMPP).

3.3 Documentation and Recordkeeping

As required by their MS4 Permit, the Village's records and documents related to their NPDES MS4 program are kept onsite and made available to auditing agencies or other interested parties upon request. A copy of the Village's Stormwater Management Program Plan (SMPP) is kept current and available at the Public Services Facility located. The SMPP may be viewed during normal business hours. Additionally, as required by the permit, the Village's Notice of Intent, Annual Report and to the extent practicable due to the size of the document, the SMPP, are all posted on the City's website.