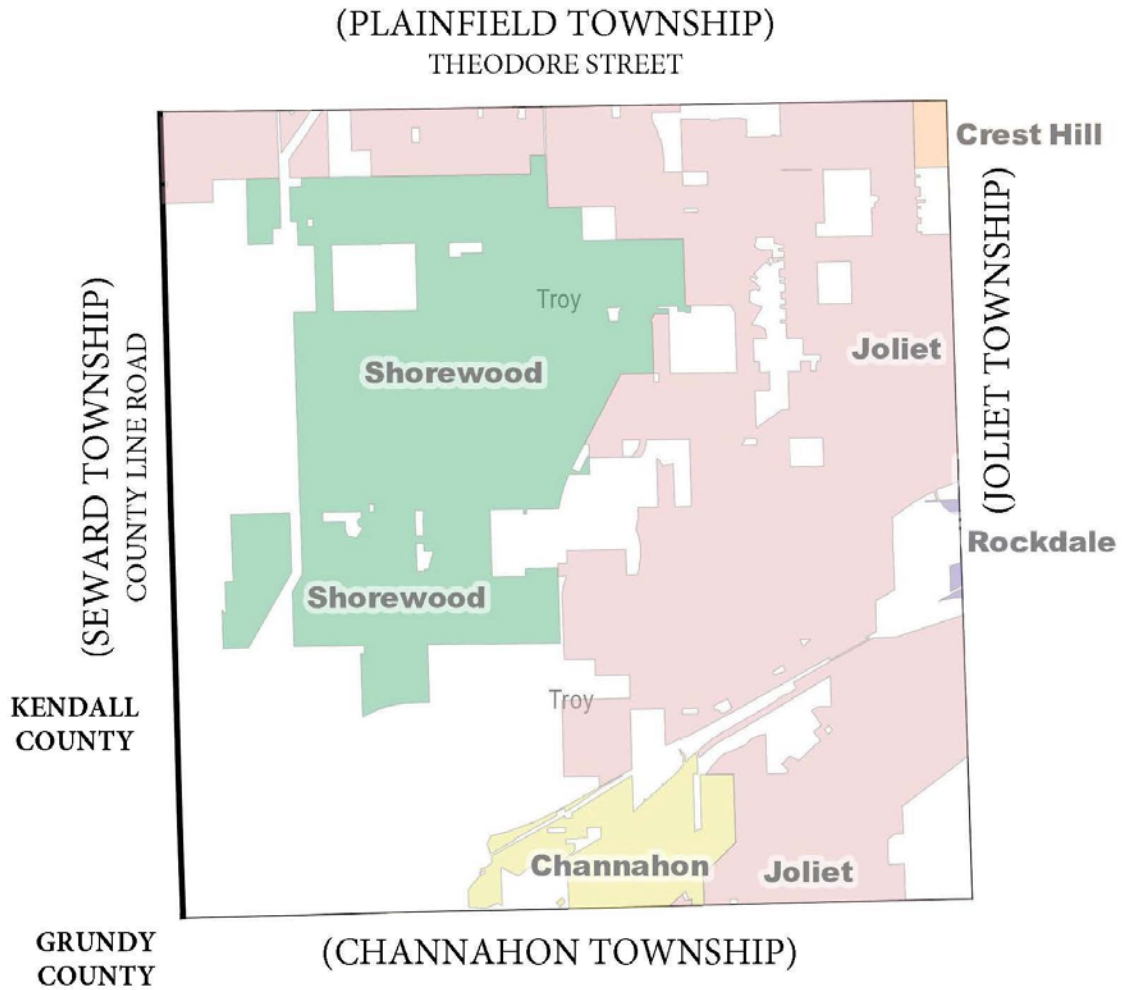


Troy Township, Illinois

STORMWATER MANAGEMENT PROGRAM PLAN



*UNINCORPORATED AREAS OF TROY TOWNSHIP ARE SHOWN IN WHITE IN THE ABOVE MAP

Troy Township Boundary map

Troy Township Will County, Illinois

2019

STORM WATER MANAGEMENT PROGRAM PLAN

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INTRODUCTION

This Stormwater Management Program Plan (SMPP) was developed by Troy Township Highway Department (Township). The purpose of the SMPP is to meet or exceed the minimum standards required by the United States Environmental Protection Agency (USEPA) under the National Pollutant Discharge Elimination System (NPDES) Phase II program. Federal regulations through the USEPA require that all Municipal Separate Storm Sewer Systems (MS4s), partially or fully in urbanized areas based on the 2000 census, obtain storm water permits for their discharges into receiving waters. Illinois Environmental Protection Agency (IEPA) has issued a new version of its MS4 Permit. The new version of the permit became effective on March 1, 2016. According to the new permit, MS4s have 180 days from the effective date of the permit to comply with any changes or new provisions contained in the permit. This document describes the pollution prevention practices that comprise the Troy Township Highway Department's stormwater management program. Note that this SMPP applies to the Township Road areas (right-of-way, pavement and road side ditches). There are areas within the Township that have been annexed into the following municipalities: Shorewood, Joliet, Channahon, Rockdale, and Crest Hill. The areas of the Township that have been annexed into these communities will be under the jurisdiction of those communities and their own Stormwater Management Program Plans. Only the unincorporated areas of the Township will be under the jurisdiction of this SMPP.

1. PUBLIC EDUCATION AND OUTREACH ON STORM WATER IMPACTS

- Newsletter – The Township will include educational articles in the Troy Township semi-annual newsletters regarding the impacts of storm water discharges on water bodies; the steps that the public can take to reduce pollutants in storm water runoff; the hazards associated with illegal discharges and improper disposal of waste; potential impacts and effects on storm water discharge due to climate change; storage and disposal of fuels, oils, and similar materials used in operation of or leaking from vehicles and other equipment; use of soaps, solvents, or detergents used in the outdoor washing of vehicles, furniture, and other property, paint and related décor; lawn and garden care; winter de-icing material storage and use; green infrastructure; and information on the benefits and costs of such strategies along with guidance on how to implement the strategies. The Township will also work with the Will County Stormwater Management Planning Committee (WCSMPC), Will-South Cook Soil and Water Conservation District (WCSWCD) Will County Green, IEPA, and USEPA to contribute articles on similar topics. The Township website will post a link to all semi-annual newsletters. Hard copies of the semi-annual newsletter are mailed to all residential home properties located in the Township and will be available at the Troy Township Local Government Office in Shorewood, Illinois.
- Public Service Announcement – The Township website will provide links to the following organization websites or contact information so that public meeting schedules and locations will be available to Township residents: WCSMPC, WSCDWCD, Lower Des Plaines River Ecosystem Partnership, DuPage River Salt Creek Workgroup, and Lower DuPage River Watershed Coalition.
- Website – The Township will provide links to WCSMPC and Will County Green on their website and provide brochures at the Troy Township Local Government Office.
- Agricultural Community Outreach – The Township will be a resource for agricultural property owners within the Township. Access information to the agencies listed above will be provided by the Township to agricultural property owners. The following issues affecting agricultural property owners may be addressed by contacting the listed agencies: management of animal manures to minimize losses to

surface water and ground water; reducing soil erosion and nutrient loss by using appropriate conservation practice systems and other applicable best management practices; using planned grazing systems on pasture and rangeland; disposing of pesticides, containers, and tank rinsate in an approved manner; and working with conservation partners locally including WSCDWCD to understand local strategies.

2. PUBLIC INVOLVEMENT AND PARTICIPATION

- Public Service Announcement – All public involvement and participation meetings hosted by the Township will comply with State public notice requirements.
- Will County Stormwater Management Planning Committee (WCSMPC) Meetings – The Township will provide links to the Will County Stormwater Management Planning Committee (WCSMPC) so that interested parties may be made aware of meetings schedules and locations. The WCSMPC schedules nine meeting times a year. Stakeholders will be encouraged on the WCSMPC web page to attend the meetings.
- DuPage River Salt Creek Workgroup – The Township will provide links to the DuPage River Salt Creek Workgroup so that interested parties may participate and comment in the DuPage River Salt Creek Workgroup meetings.
- Lower DuPage River Watershed Coalition – The Township will provide links to the Lower DuPage River Watershed Coalition so that interested parties may participate and comment in Lower DuPage River Watershed Coalition meetings.
- Lower Des Plaines River Ecosystem Partnership – The Township will provide links to the Lower Des Plaines River Ecosystem Partnership so that interested parties may utilize the Lower Des Plaines River Watershed Plan.
- Environmental Justice – The Township will provide links to the web sites noted above so that interested parties will be able to be made aware of environmental justice areas within the watershed planning jurisdictions. Articles included in the Township newsletter will alert Township residents of the agencies to encourage efforts regarding public involvement and participation.

3. ILLICIT DISCHARGE DETECTION AND ELIMINATION

- Storm Sewer System Map – The Township is developing a road network drainage system map, which is used to trace suspicious discharges to their source. This map will be updated whenever the road network drainage system is modified by a Township project or by private development. The Township conducts dry weather screening of its road network drainage system and is in the process of conducting an outfall inventory of the road network drainage system.
- Resident Reporting – Residents can report instances of pollution or suspected pollution by contacting the Township Highway Department at (815) 828-5275. The Township will log all reported illicit discharges on Indirect Illicit Discharge Tracking Journal. The reporting phone number will be available on the Township website and available newsletters at the Troy Township Local Government Office.
- Detection – Township staff inspects the road network drainage system for evidence of illicit discharges while performing routine operation and maintenance activities. The Township provides Illicit Discharge Detection and Elimination Training to Township staff and provides a Tracing and Tracking Standard Operating Procedure. The Township will log detected illicit discharges on a Township Indirect Illicit Discharge Tracking Journal.

- Source Removal – The Township’s response to illicit discharges depends on the source of the discharge into the road network drainage system. In most cases, property owners are notified of the need to eliminate an illicit discharge. In the case of emergency spills or incidents of hazardous material dumping, the local Fire Protection District would respond.
- Prioritization Plan – The Township will review the previous year’s Township Indirect Illicit Discharge Tracking Journal and establish a prioritization plan for inspection of outfalls, placing priority on outfalls with the greatest potential for non-storm water discharges.

4. CONSTRUCTION SITE STORM WATER RUNOFF CONTROL

- National Pollutant Discharge Elimination System (NPDES) – All construction sites that are required to file for coverage under the NPDES, general or individual permits, shall have a Storm Water Pollution Prevention Plan (SWPPP) that meets the requirements of the current NPDES Permit No. ILR10, including management practices, controls, and other provisions at least as protective as the requirements contained in the latest version of the Illinois Urban Manual. SWPPP plans are submitted, reviewed, and approved by Will County Land Use Department in conjunction with the Township as part the approval process for the development. The County and/or Township performs periodic inspection of construction sites to assess the effectiveness of any sediment and erosion control measures selected to control the quality of storm water discharges from the construction sites. Insufficient erosion and sediment control measures are addressed promptly.
- Site Plan Review – The Will County Land Use Department reviews site plans in the Township areas that are not within municipal boundaries. The Department reviews the Stormwater Pollution Prevention Plan and Erosion Control Plans to ensure water quality and erosion are consistent with pre-construction conditions. The Will County Land Use Department coordinates with the Township on their review of roadway access and drainage outfalls into Township roadway drainage ditches.
- Inspection – Construction of site development projects requiring soil erosion prevention measures and permits will be inspected by the Will County Land Use Department for compliance.

5. POST-CONSTRUCTION STORM WATER MANAGEMENT IN NEW DEVELOPMENT AND REDEVELOPMENT IN UNINCORPORATED AREAS OF THE TOWNSHIP

- Inventory – The Township is conducting an inventory of residential, commercial, and industrial sites that have on-site detention basins. It is the Township’s goal to perform periodic inspections for proper maintenance and operation for commercial and industrial sites and create a maintenance program to provide annual detention pond inspection and maintenance for residential sites.
- Site Plan Review – The Township reviews site plans of new private development and redevelopment sites to ensure water quality are consistent or better than pre-construction conditions.
- Public Construction – The Township will develop and implement projects that minimize the volume of storm water runoff and pollutants from public construction projects through the use of BMPs.

6. POLLUTION PREVENTION AND GOOD HOUSEKEEPING FOR TOWNSHIP OPERATIONS

- Employee Training – Highway Department staff is to be continually trained on topics such as: material storage, hazardous wastes, illicit discharges, equipment cleaning, vehicle maintenance, street maintenance, and lawn and landscape care.
- Street Sweeping – The Township has a street sweeping program. Street sweepings are temporarily stored in bins at the Highway Department facility until they are hauled away by a licensed waste hauler.
- Inspection and Maintenance – When weather permits, the Township has a crew that cleans storm sewer piping and removes debris from manholes, catch basins, and inlets.
- Material Storage – Flammable materials are contained in indoor fire-resistant cabinets. Road salt is stored in a permanent covered structure. Other municipal operations materials, including rock, are stored under temporary tarped cover. These materials are temporarily stored on site and used during the construction season. The temporary storage locations are cleaned regularly during the construction season and at the end of the construction season for winter.
- Landscaping – Trained and licensed applicators apply pesticides and herbicides to Township property.
- Fleet Maintenance and Cleaning – Maintenance and cleaning are performed at the Highway Department facility. Vehicle washing is to be treated prior to discharge. Waste oil is stored in a tank and is recycled. Antifreeze is stored until it is hauled away by a licensed waste hauler. Batteries and tires are stored and taken to a local collection vendor.

MONITORING, RECORD KEEPING, AND REPORTING

- Documentation – Training, inspections, illicit discharges, and assessments will be documented and stored at the Troy Township Highway Department Office.
- Notice of Intent – The term of the Township’s General Permit from the IEPA is five years. At the end of each permit term, the Township submits a Notice of Intent to comply with the conditions of the General Permit to the IEPA. This Notice of Intent describes the practices the Township intends to implement in order to meet the conditions of the General Permit.
- Annual Report – Each year the Township submits a report to the IEPA documenting its status of compliance with the conditions of the General Permit. The report will include an annual evaluation of public education and outreach BMPs, public involvement and participation BMPs, illicit discharge detection and elimination BMPs, construction site storm water control BMPs, post-construction storm water management BMPs, pollution prevention and good housekeeping for municipal operations, and measurable goals.

APPENDICES

Indirect Illicit Discharge Tracking Form

Indirect Illicit Discharge Summary Form