



**DUPAGE
COUNTY**

Watershed
Management

Water
Quality

Floodplain
Mapping

Regulatory
Services

Flood Operations
& Maintenance

Shared
Services



STORMWATER MANAGEMENT

MEMORANDUM

TO: Stormwater Management Planning Committee

FROM: Sarah Hunn, P.E., Director- DuPage County Stormwater Management

SUBJECT: Stormwater Program Update October 2025

DATE: October 7, 2025

Watershed Planning

Prentiss Creek Watershed Plan:

The existing conditions hydraulic model of the Prentiss Creek Watershed is being updated and results computed for the entire historical series of rainfall events. Our consultant revised some of the interior catchment areas of the watershed, and staff will be re-running the land cover for the FEQ model when the new catchment shapefile is received. The first watershed plan stakeholder meeting was conducted on September 25, 2025. The existing conditions model should be finalized in October, with proposed projects and alternatives being looked at over the next few months. The Prentiss Creek Watershed includes portions of Downers Grove, Woodridge, Darien, Lisle, and Unincorporated DuPage County.

Facilities/Operations/Shared Services Projects

Shared Services/Drainage Projects:

The in-house maintenance crew completed a culvert removal project in Bloomingdale Township. This project returned the existing stream back to its original state, with stone toe stabilization and native vegetation along the banks.

Upcoming projects include a DCEO funded drainage project (90th and Kaye Lane) that is expected to break ground, and be completed, this fall. An existing metal storm sewer will be lined, and new storm sewer will be introduced in the right of way to collect rain from the street and adjacent properties.

Facilities/Operations:

Staff continues to monitor rainfall forecasts, stream elevations and rainfall gages throughout the County and are prepared to operate the County's flood control facilities as needed.

At the Elmhurst Quarry, Independent Mechanical Industries completed the West Lobe pump station upgrades, which include new controls and three new pumps. A separate contractor, Dynamic Industrial Systems, Inc., began work on an existing catwalk in the West Lobe that extends to the tunnel under IL Route 83. This catwalk was showing signs of deterioration and a project was bid to replace components of this steel structure that were no longer effective. The entire structure will also be painted to preserve its integrity.

At the Armstrong Park Flood Control Facility, the department is working with two contractors to install a permanent generator that will assist with operations if there is a power outage in the area during a storm event. This project is nearing completion, with new electrical components and controls already installed, and the generator itself is expected to be delivered in early October.

Water Quality

Work continues on the IL EPA funded Watershed-Based Plan for the north half of the West Branch DuPage River, which includes working with a consultant on an HSPF water quality model. The plan is scheduled to be completed by the end of 2025.

The updated NPDES General Permit No. ILR40 from IL EPA was issued on August 1. Training on the new permit requirements will be provided during our upcoming Pollution Prevention for MS4 Communities seminar which will be held on October 2nd from 8am to noon at NIU Naperville Campus.

Regulatory

The demand for stormwater regulatory services continues to remain very high. Staff are managing a significant volume of permit reviews, pre-application meetings, and consultations with applicants and their consultants. These activities ensure that development proposals are in compliance with applicable stormwater management requirements and help applicants better understand submittal standards and regulatory expectations. In addition to the day-to-day review workload, staff are also making steady progress on the Stormwater Ordinance Guidance Document. This resource will serve as an important reference tool for both applicants and staff, clarifying requirements and promoting consistency in implementation.

ARPA Projects

The St. Joseph Creek Condominiums flood gate and flood wall projects are expected to meet substantial completion by the end of October. All five flood gates have been installed. The contractor is working on installation of storm sewer and two remaining flood walls. When fully constructed, all three buildings in the complex will be further protected from flooding along St Joesph Creek.

IEPA Section 319 Grant Project

The Winfield Creek/Campus Stream Stabilization Project broke ground mid-July. The contractor, Semper Fi Landscaping, Inc., has cleared all vegetation and stabilization of the streambank has begun. When complete, portions of Winfield Creek that traverses through campus will have rock lined streambanks, water quality improvements including native plantings, and stabilized outfalls from nearby storm sewer that discharges into the creek.