

**Illinois Environmental Protection Agency  
Annual Facility Inspection Report  
for General Permit for Discharges from Small MS4s**

**Village of Oswego  
Permit No. ILR40**

**Permit Year 18: March 1, 2020 to February 28, 2021**

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## Part A. MS4 Changes to Best Management Practices, Year 18

Information regarding the status of all of the BMPs and measurable goals described in the MS4's SMPP is provided in the following table.

**Note: "X" indicates BMPs that were implemented in accordance with the MS4's SMPP**  
**✓ indicates BMPs that were changed during Year 18**

Year 18	
MS4	
<b>A. Public Education and Outreach</b>	
X	A.1 Distributed Paper Material
	A.2 Speaking Engagement
	A.3 Public Service Announcement
✓	A.4 Community Event
	A.5 Classroom Education Material
X	A.6 Other Public Education
<b>B. Public Participation/Involvement</b>	
X	B.1 Public Panel
	B.2 Educational Volunteer
	B.3 Stakeholder Meeting
X	B.4 Public Hearing
	B.5 Volunteer Monitoring
	B.6 Program Coordination
X	B.7 Other Public Involvement
<b>C. Illicit Discharge Detection and Elimination</b>	
X	C.1 Storm Sewer Map Preparation
X	C.2 Regulatory Control Program
X	C.3 Detection/Elimination Prioritization Plan
X	C.4 Illicit Discharge Tracing Procedures
X	C.5 Illicit Source Removal Procedures
X	C.6 Program Evaluation and Assessment
✓	C.7 Visual Dry Weather Screening
X	C.8 Pollutant Field Testing
X	C.9 Public Notification
	C.10 Other Illicit Discharge Controls

Year 18	
MS4	
<b>D. Construction Site Runoff Control</b>	
X	D.1 Regulatory Control Program
X	D.2 Erosion and Sediment Control BMPs
X	D.3 Other Waste Control Program
X	D.4 Site Plan Review Procedures
X	D.5 Public Information Handling Procedures
X	D.6 Site Inspection/Enforcement Procedures
	D.7 Other Construction Site Runoff Controls
<b>E. Post-Construction Runoff Control</b>	
	E.1 Community Control Strategy
X	E.2 Regulatory Control Program
X	E.3 Long Term O&M Procedures
X	E.4 Pre-Const Review of BMP Designs
X	E.5 Site Inspections During Construction
	E.6 Post-Construction Inspections
	E.7 Other Post-Const Runoff Controls
<b>F. Pollution Prevention/Good Housekeeping</b>	
	F.1 Employee Training Program
X	F.2 Inspection and Maintenance Program
X	F.3 Municipal Operations Storm Water Control
X	F.4 Municipal Operations Waste Disposal
X	F.5 Flood Management/Assess Guidelines
X	F.6 Other Municipal Operations Controls

Additional information about the changes that were made to the BMPs described in the MS4's SMPP during Year 18 is provided below.

#### **A.4 Community Event**

Measurable Goal(s):

Year 18 MS4 activities:

Due to Covid-19, community engagements were either cancelled or modified so that distribution of materials at events within the year were not possible. The MS4 continued to provide material through take-away racks, municipal newsletters and the Village website

#### **C. 7 Visual Dry Weather Screening**

Measurable Goal(s):

- Conduct annual inspections of storm sewer outfalls for detection of illicit discharges

Year 18 MS4 activities:

During Year 18 the MS4 visual dry weather screening program was conducted for Waubensee Creek and Bartlett Creek. Necessary minor repairs identified during inspection have been completed.

## Part B. MS4 Status of Compliance with Permit Conditions, Year 18

### Stormwater Management Activities, Year 18

The stormwater management activities that the MS4 performed during Year 18, including the MS4's BMPs and measurable goals, are described in detail in the MS4's SMPP. A concise summary of the status of the MS4's stormwater management program, as of the end of Year 18, is provided below. A copy of the annual tracking form is included at the end of Part B of this report. The MS4's SMPP can be viewed at [www.oswegoil.org](http://www.oswegoil.org).

#### A. Public Education and Outreach

##### Measurable Goal(s):

- Implement BMPs and track progress of BMP implementation, as described in the SMPP.

##### Year 18 MS4 activities:

- The MS4 continues to implement the BMPs described in its SMPP and to track progress in implementing its stormwater management program.

#### B. Public Participation/Involvement

##### **B.4 Public Hearing**

##### Measurable Goal(s):

- Implement BMPs and track progress of BMP implementation, as described in the SMPP.
- The Village will conduct a public meeting or public hearing discussing its Stormwater management plan or Stormwater pollution. The Village will meet its own requirements for conducting public meetings or hearings.

##### Year 18 MS4 activities:

- The MS4 continues to implement the BMPs described in its SMPP and to track progress in implementing its stormwater management program. The Year 18 Annual Facility Inspection Report was presented to the Village Board for public comment on May 4, 2021.

#### C. Illicit Discharge Detection and Elimination

##### Measurable Goal(s):

- Implement BMPs and track progress of BMP implementation, as described in the SMPP.
- Add any new or remove any stormwater outfalls as needed after inspections

Year 18 MS4 activities:

- The MS4 continues to implement the BMPs described in its SMPP and to track progress in implementing its stormwater management program.

**D. Construction Site Runoff Control**

Measurable Goal(s):

- Implement BMPs and track progress of BMP implementation, as described in the SMPP.
- Enforce all applicable regulations to ensure that all applicable developments comply.

Year 18 MS4 activities:

- The MS4 continues to implement the BMPs described in its SMPP and to track progress in implementing its stormwater management program.
- The MS4 continues to enforce all applicable regulations to ensure that all applicable developments comply.

**E. Post-Construction Runoff Control**

Measurable Goal(s):

- Implement BMPs and track progress of BMP implementation, as described in the SMPP.
- Enforce all applicable regulations to ensure that all applicable developments comply.

Year 18 MS4 activities:

- The MS4 continues to implement the BMPs described in its SMPP and to track progress in implementing its stormwater management program.
- The MS4 continues to enforce all applicable regulations to ensure that all applicable developments comply.

**F. Pollution Prevention/Good Housekeeping**

Measurable Goal(s):

- Implement BMPs and track progress of BMP implementation, as described in the SMPP.
- We conduct annual training for staff.

Year 18 MS4 activities:

- The MS4 continues to implement the BMPs described in its SMPP and to track progress in implementing its stormwater management program.

## Stormwater Management Program Assessment, Year 18

An overall assessment of the MS4’s stormwater management program and the appropriateness of its BMPs is provided below.

The MS4 revised their SMPP to coincide with the April 2018 ILR40 permit. As described in the revised SMPP there are extensive monitoring efforts already underway across Kendall County, refer to Part C of this report for additional information. As an active MS4 within the county, the countywide findings reflect the individual efforts of each MS4. Additionally, the SMPP identified impaired waters based on the July 2016 303(d) list and the draft 2018 Impaired Waters List. The inclusion or exclusion of water bodies on the IEPAs 303(d) list, published bi-annually, is a direct reflection of the program’s effectiveness. Most of the data from a 2019 report showed decreasing trends at Station ID 27 Fox River at Montgomery (immediately upstream of Oswego) and at Station ID 34 Fox river at Yorkville (immediately downstream of Oswego). The decrease in pH and Dissolved Oxygen are being addressed through a recent plant expansion designed to treat for phosphorous at the Fox Metro Water Reclamation District.

Table 5. Annual Water Quality Trends

Station ID	Station Name	TP	DP	Org-N	NH <sub>3</sub> -N	NO <sub>3</sub> -N	TKN	DO	pH	TSS	CHL-A
236	Nippersink Cr at Spring Grove	No Trend	Decreasing	-	Decreasing	-	No Trend	No Trend	No Trend	No Trend	-
1	Nippersink Cr above Wonder Lake	No Trend	No Trend	-	-	-	-	-	-	-	-
184	Fox River at Johnsburg	No Trend	Increasing	Decreasing	Decreasing	Decreasing	Decreasing	No Trend	Increasing	-	Decreasing
23	Fox River at Rt 176	Increasing	Increasing	-	No Trend	Increasing	No Trend	Decreasing	No Trend	No Trend	-
258	Fox River at Oakwood Hills	Decreasing	No Trend	No Trend	Decreasing	Decreasing	No Trend	Increasing	No Trend	-	Decreasing
4	Flint Cr at Kelsey Rd-Lk Barrington	No Trend	No Trend	-	No Trend	-	No Trend	-	-	-	-
271	Crystal Cr at Rt 31	Decreasing	Decreasing	No Trend	No Trend	Increasing	No Trend	Decreasing	Decreasing	-	No Trend
24	Fox River at Algonquin	No Trend	Increasing	No Trend	No Trend	Decreasing	No Trend	Decreasing	No Trend	No Trend	Decreasing
268	Tyler Cr at Rt. 31-Elgin	Decreasing	Decreasing	No Trend	No Trend	No Trend	No Trend	Decreasing	Increasing	-	No Trend
25	Poplar Cr near Mouth-Elgin	Increasing	Increasing	-	No Trend	-	Increasing	No Trend	No Trend	No Trend	-
26	Fox River at South Elgin	Decreasing	Decreasing	Decreasing	Decreasing	No Trend	Decreasing	Decreasing	No Trend	Decreasing	Decreasing
14	Ferson Cr at Rt 34	No Trend	No Trend	-	No Trend	-	No Trend	-	-	-	-
79	Ferson Cr near Mouth-Elgin	No Trend	Increasing	No Trend	Decreasing	Decreasing	No Trend	Decreasing	Increasing	-	No Trend
40	Fox River at Geneva	Decreasing	Decreasing	Decreasing	Decreasing	Decreasing	Decreasing	Decreasing	No Trend	-	Decreasing
27	Fox River at Montgomery	Decreasing	Decreasing	Decreasing	Decreasing	Decreasing	Decreasing	Decreasing	Decreasing	Decreasing	Decreasing
34	Fox River at Yorkville	Decreasing	Decreasing	Decreasing	Decreasing	Decreasing	Decreasing	Decreasing	Decreasing	-	Decreasing
28	Blackberry Cr at Rt 47	No Trend	Decreasing	-	No Trend	-	No Trend	No Trend	Decreasing	No Trend	-
287	Blackberry Cr near Mouth	No Trend	No Trend	No Trend	Decreasing	Decreasing	Decreasing	Decreasing	Decreasing	-	No Trend

Note: Color code – “red” declining trend; “green” improving trend; “yellow” stable; “-” no data.

Figure 1 Source: Water Quality Trend Analysis Presented at the 2019 Fox River Study Group Annual Meeting

## **Part C. MS4 Information and Data Collection Results, Year 18**

### **Annual Monitoring and Data Collection, Year 18**

Information and data that the MS4 collected to meet the monitoring requirement of the version of IEPA's General NPDES Permit No. ILR40 that applied to the reporting period are summarized below.

As described in the SMPP, there are extensive monitoring efforts already underway across the County. The MS4 is located in the Fox River Study Group (FRSG) and the Fox Metro Water Reclamation District (Fox Metro). The QLP section of the report describes the status of Kendall County waters using information gathered by these workgroups, the FRSG, Fox Metro, and IEPA. Following is a summary of the efforts described in more detail in the SMPP.

- The Fox Metro Water Reclamation District (Fox Metro) conducts sampling of the Fox River upstream of the MS4 and at the Orchard Road Bridge on the downstream edge of the corporate limits.
- Deuchler Engineering Corporation, on behalf of Fox Metro, has sampled (grab samples) monthly at the bridges located on Sullivan Road, North Avenue, Ashland Avenue and Route 34 in Oswego
- The Fox River Study Group collects monthly samples at seven mainstream and seven tributary locations between McHenry and Yorkville. These monthly and analyzed for BOD, TSS, fecal coliforms, TKN, ammonia, nitrate N, organic nitrogen, chlorophyll A, total phosphorus, chloride and turbidity as well as field parameters including: temperature, pH, conductivity and DO.
- Deuchler also collects data with sondes (continuous sampling) at Sullivan Road, Route 30, Route 34, and Orchard Road. These parameters include DO, pH, temperature and conductivity. The sondes at Route 30, Route 34, and Orchard Road also collect total algae data.
- Deuchler also has metals data that was FOIA'd from IEPA for the YBSD local limit report. The closest stations are Route 34 and Mill Street in Montgomery.

The MS4 will review their SMPP and update as needed with the issuance of the new ILR40 permit.



## Part D. MS4 Summary of Year 19 Stormwater Activities

The table below indicates the stormwater management activities that the MS4 plans to undertake during Year 18. Additional information about the stormwater management activities that the MS4 will perform is provided in the section following the table.

**Note: “X” indicates BMPs that will be implemented during Year 19**

Year 18	
MS4	
<b>A. Public Education and Outreach</b>	
X	A.1 Distributed Paper Material
	A.2 Speaking Engagement
	A.3 Public Service Announcement
X	A.4 Community Event
	A.5 Classroom Education Material
X	A.6 Other Public Education
<b>B. Public Participation/Involvement</b>	
	B.1 Public Panel
	B.2 Educational Volunteer
	B.3 Stakeholder Meeting
X	B.4 Public Hearing
	B.5 Volunteer Monitoring
	B.6 Program Coordination
X	B.7 Other Public Involvement
<b>C. Illicit Discharge Detection and Elimination</b>	
X	C.1 Storm Sewer Map Preparation
X	C.2 Regulatory Control Program
X	C.3 Detection/Elimination Prioritization Plan
X	C.4 Illicit Discharge Tracing Procedures
X	C.5 Illicit Source Removal Procedures
X	C.6 Program Evaluation and Assessment
X	C.7 Visual Dry Weather Screening
	C.8 Pollutant Field Testing
X	C.9 Public Notification
	C.10 Other Illicit Discharge Controls

Year 18	
MS4	
<b>D. Construction Site Runoff Control</b>	
X	D.1 Regulatory Control Program
X	D.2 Erosion and Sediment Control BMPs
X	D.3 Other Waste Control Program
X	D.4 Site Plan Review Procedures
X	D.5 Public Information Handling Procedures
X	D.6 Site Inspection/Enforcement Procedures
	D.7 Other Construction Site Runoff Controls
<b>E. Post-Construction Runoff Control</b>	
	E.1 Community Control Strategy
X	E.2 Regulatory Control Program
X	E.3 Long Term O&M Procedures
X	E.4 Pre-Const Review of BMP Designs
X	E.5 Site Inspections During Construction
	E.6 Post-Construction Inspections
	E.7 Other Post-Const Runoff Controls
<b>F. Pollution Prevention/Good Housekeeping</b>	
X	F.1 Employee Training Program
X	F.2 Inspection and Maintenance Program
X	F.3 Municipal Operations Storm Water Control
X	F.4 Municipal Operations Waste Disposal
X	F.5 Flood Management/Assess Guidelines
X	F.6 Other Municipal Operations Controls

### Stormwater Management Activities, Year 19

- During Year 19, the MS4 plans to continue to support and supplement QLP efforts, as described in detail in the MS4’s SMPP and in brief below. The MS4’s SMPP and the previous five years of Annual Reports can be viewed at [www.oswegoil.org](http://www.oswegoil.org).

**A. Public Education and Outreach**

The MS4 utilizes a variety of methods to educate and provide outreach to the public about the importance of managing pollutants that potentially could enter the stormwater system. The MS4's Public Education and Outreach program includes: the distribution of educational material via take-away racks, municipal newsletters, website, and at outreach events.

Measurable Goal(s):

- Implement BMPs and track progress of BMP implementation, as described in the SMPP.

**B. Public Participation/Involvement**

The MS4 utilizes a variety of methods to allow input from citizens during the development and implementation of the SMPP. The MS4's Public Participation/Involvement program includes: maintaining a process for receiving and processing citizen input/complaints; attending and publicizing stakeholder meetings, identification of environmental justice areas, and presenting program information at a public meeting at least once annually.

Measurable Goal(s):

- Implement BMPs and track progress of BMP implementation, as described in the SMPP.

**C. Illicit Discharge Detection and Elimination**

The MS4 will conduct activities toward the identification and removal of direct connections of pollutants into the storm water management systems (including wetlands and receiving waters). The program includes the following primary components.

- An outfall map showing the locations of outfalls and the names and locations of all waters that receive discharges from those outfalls;
- An ordinance that prohibits all non-storm water discharges into the storm sewer system and provides the authority for appropriate enforcement procedures and actions;
- A plan to detect and address all non-stormwater discharges, into the storm sewer system;
- Periodic inspection of outfalls for detection of non-stormwater discharges and illegal dumping (5-yr rescreening schedule).
- Annual inspection of all High Priority Outfalls.

Measurable Goal(s):

- Implement BMPs and track progress of BMP implementation, as described in the SMPP.

**D. Construction Site Runoff Control**

Kendall County has adopted a Kendall County Stormwater Management Ordinance (KCSMO) that establishes the minimum stormwater management requirements for development in Kendall County. The KCSMO establishes countywide standards for runoff maintenance, detention sites, soil erosion and sediment control, inspections, water quality, wetlands and floodplains. The KCSMO is administered and enforced within the community by the MS4. The MS4 has also adopted the following regulations:

- [Village of Oswego Floodplain Ordinance](#)
- [Village of Oswego Stream and Wetland Protection Ordinance](#)
- [Village of Oswego Subdivision and Development Control Regulations](#)
- [Village of Oswego Discharge Detection and Elimination Ordinance](#)

Measurable Goal(s):

- Implement BMPs and track progress of BMP implementation, as described in the SMPP.
- Enforce all applicable regulations to ensure that all applicable developments comply.

**E. Post-Construction Runoff Control**

As described above, the countywide and MS4 regulations establish the minimum stormwater management requirements for development in Kendall County. These regulations establish BMP standards to implement stormwater management strategies that minimize increases in stormwater runoff rates, volumes, and pollutant loads from development sites. The SMPP also includes inspection procedures for pre-KCSMO developments, streambanks and shorelines, streambeds, and detention/retention ponds.

Measurable Goal(s):

- Implement BMPs and track progress of BMP implementation, as described in the SMPP.
- Enforce all applicable regulations to ensure that all applicable developments comply.

**F. Pollution Prevention/Good Housekeeping**

The MS4 is committed to implementing the Pollution Prevention/Good Housekeeping component of its SMPP. The MS4 is responsible for the care and upkeep of the general facilities, municipal roads, its general facilities and associated maintenance yards. The MS4's Pollution Prevention/Good Housekeeping program includes: the evaluation and improvement of municipal policies and procedures to reduce the discharge of pollutants from municipal activities and operations; and, a training program for municipal employees.

Measurable Goal(s):

- Implement BMPs and track progress of BMP implementation, as described in the SMPP.

