

# Village of Romeoville

Where Community Matters

## Public Works Department

### Mayor

John Noak

### Clerk

Dr. Bernice E. Holloway

### Trustees

Linda S. Palmiter  
Jose (Joe) Chavez  
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### Director

Eric Bjork

May 31, 2017

Illinois Environmental Protection Agency  
Water Pollution Control  
Compliance Assurance Section #19  
1021 North Grand Avenue East  
P.O. Box 19276  
Springfield, Illinois 62794-9276

Re: Village of Romeoville  
NPDES Permit ILR40 Annual Report

Dear Illinois Environmental Protection Agency:

Please find enclosed the 2016-2017 NPDES Permit ILR40 annual report for the Village of Romeoville. The annual report is also being submitted electronically as required.

If you require additional information or have any questions, please contact me at (815)886-1870.

Very Truly Yours,

  
Eric Bjork  
Director



# Illinois Environmental Protection Agency

Bureau of Water • 1021 N. Grand Avenue E. • P.O. Box 19276 • Springfield • Illinois • 62794-9276

## Division of Water Pollution Control ANNUAL FACILITY INSPECTION REPORT

### for NPDES Permit for Storm Water Discharges from Separate Storm Sewer Systems (MS4)

*This fillable form may be completed online, a copy saved locally, printed and signed before it is submitted to the Compliance Assurance Section at the above address. Complete each section of this report.*

Report Period: From March, 2016 To March, 2017

Permit No. ILR40 0436

#### MS4 OPERATOR INFORMATION: (As it appears on the current permit)

Name: Village of Romeoville Mailing Address 1: 1050 W. Romeo Road  
Mailing Address 2: \_\_\_\_\_ County: \_\_\_\_\_  
City: Romeoville State: IL Zip: 60446 Telephone: 815-886-1870  
Contact Person: Eric Bjork Email Address: ebjork@romeoville.org  
(Person responsible for Annual Report)

#### Name(s) of governmental entity(ies) in which MS4 is located: (As it appears on the current permit)

Village of Romeoville Will County

#### THE FOLLOWING ITEMS MUST BE ADDRESSED.

A. Changes to best management practices (check appropriate BMP change(s) and attach information regarding change(s) to BMP and measurable goals.)

- |  |                          |   |                          |
|--|--------------------------|---|--------------------------|
| 1. Public Education and Outreach             | <input type="checkbox"/> | 4. Construction Site Runoff Control       | <input type="checkbox"/> |
| 2. Public Participation/Involvement          | <input type="checkbox"/> | 5. Post-Construction Runoff Control       | <input type="checkbox"/> |
| 3. Illicit Discharge Detection & Elimination | <input type="checkbox"/> | 6. Pollution Prevention/Good Housekeeping | <input type="checkbox"/> |

B. Attach the status of compliance with permit conditions, an assessment of the appropriateness of your identified best management practices and progress towards achieving the statutory goal of reducing the discharge of pollutants to the MEP, and your identified measurable goals for each of the minimum control measures.

C. Attach results of information collected and analyzed, including monitoring data, if any during the reporting period.

D. Attach a summary of the storm water activities you plan to undertake during the next reporting cycle ( including an implementation schedule.)

E. Attach notice that you are relying on another government entity to satisfy some of your permit obligations (if applicable).

F. Attach a list of construction projects that your entity has paid for during the reporting period.

**Any person who knowingly makes a false, fictitious, or fraudulent material statement, orally or in writing, to the Illinois EPA commits a Class 4 felony. A second or subsequent offense after conviction is a Class 3 felony. (415 ILCS 5/44(h))**

Eric Bjork

Owner Signature:

Eric Bjork

Printed Name:

5/31/17

Date:

Director of Public Works

Title:

EMAIL COMPLETED FORM TO: [epa.ms4annualinsp@illinois.gov](mailto:epa.ms4annualinsp@illinois.gov)

or Mail to: ILLINOIS ENVIRONMENTAL PROTECTION AGENCY  
WATER POLLUTION CONTROL  
COMPLIANCE ASSURANCE SECTION #19  
1021 NORTH GRAND AVENUE EAST  
POST OFFICE BOX 19276  
SPRINGFIELD, ILLINOIS 62794-9276

IL 532 2585

WPC 691 Rev 6/10

This Agency is authorized to require this information under Section 4 and Title X of the Environmental Protection Act (415 ILCS 5/4, 5/39). Failure to disclose this information may result in: a civil penalty of not to exceed \$50,000 for the violation and an additional civil penalty of not to exceed \$10,000 for each day during which the violation continues (415 ILCS 5/42) and may also prevent this form from being processed and could result in your application being denied. This form has been approved by the Forms Management Center.

**Municipality/Organization:** Village of Romeoville

**NPDES Permit Number:** ILR400436 for 2016-2021

**Annual Report Number  
& Reporting Period:** No. 1: March 2016-March 2017

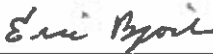
**Village of Romeoville  
NPDES Phase II Small MS4 General Permit  
Annual Report**

**Part I. General Information**

**Contact Person:** Eric Bjork **Title:** Director of Public Works

**Telephone No.:** 815-886-1870 **Email:** ebjork@romeoville.org

**Mailing Address:** 1050 W. Romeo Road/ Romeoville, IL 60446

**Signature:** 

**Printed Name:** Eric Bjork

**Title:** Director of Public Works

**Date:** May 31, 2017

#### **Section A.**

No changes have been made to the Best Management Practices (BMPs) indicated in the Notice of Intent for the 2016 to 2021 period. As the NOI was submitted for this period prior to the February 10, 2016 letter and revised permit requirements being sent to the permittees by the EPA, the annual report and planned activities indicate and reflect the additional requirements in the revised permit requirements.

#### **Section B.**

A summary of the minimum control measures indicating the measurable goals and the status of compliance with the permit conditions follows on the subsequent pages.

The BMPs have been evaluated and appear to be the most appropriate measures for achieving the requirements of the program.

The six minimum control measures were created based upon the specific conditions within the community, and as such, each individual measure appears to be effective in reducing the discharge of pollutants to the MEP. This conclusion appears to be supported by the data obtained from in-stream sampling.

Section B. Summary of Minimum Control Measures

1. Public Education and Outreach

BMP ID No.	BMP Description	Responsible Dept./Person Name	Measurable Goal(s)	Compliance with Permit Conditions Permit Year 1 (Reliance on non-municipal partners indicated, if any)	Planned Activities- Permit Year 2
A.1 Revised	Distributed Paper Material	Department of Public Works	Issuance of Pamphlet or Other Paper Material	Pamphlet for habitat protection through Biodiversity Project, with focus on green infrastructure strategies, were placed at the Village Hall kiosk.  Flyers providing information on the effects of pollutants entering the storm sewer system were distributed in conjunction with the storm drain decal installation project noted in A.6 below.	Continued distribution of pamphlet, newsletter or other paper material containing information required per NOI requirements.  Lower DuPage River Watershed Coalition is providing flyers for educational outreach which target various groups.
A.6 Revised	Other Public Education-Newsletter Articles	Department of Public Works	Include articles in newsletters annually. Information to be included on oil, carwashing, paint, lawn care, salt storage.	Stormwater-related articles in resident newsletters- distributed in fall 2016 and in spring 2017. May '16 article included information on climate change and the minimum topics required per NOI.	Continue inclusion of articles in newsletters to residents which contain information required per NOI requirements.
	Other Public Education			Rain barrel program making barrels available to residents was continued by the Village.	
	Other Public Education			Storm drain decals were installed in Wesglen and Lakewood Falls Subdivisions on April 24, 2016 in conjunction with volunteer project by Boy Scout Troop 22.	
<b>1a. Additions</b>					

2. Public Involvement- Participation

BMP ID No.	BMP Description	Responsible Dept./Person Name	Measurable Goal(s)	Progress on Goal(s)- Permit Year 1 (Reliance on non-municipal partners indicated, if any)	Planned Activities- Permit Year 2
B.4	Public Hearing, Forum or Workshop	Department of Public Works/ Robinson Engineering	Public Hearing, Forum or Workshop.	Development Review Committee (DRC) meetings held to discuss stormwater requirements and planning. Planning and Zoning Commission meetings and Village Board meetings held with discussion of various developments with associated stormwater and green infrastructure. Lower DuPage River Watershed Coalition meetings were held regularly. Lower DesPlaines River Watershed Group was recently formed and meets in Romeoville. Also participated and contributed to Lower DesPlaines Chlorides Group.	Public Meeting.
Revised				Spring Clean-Up Week was held and publicized through news release.	
Revised	Other Public Involvement Volunteer Project			Boy Scout Troop 22 placed storm drain decals in Wesglen and Lakewood Falls subdivisions and distributed flyers to the residents of those subdivisions which provided information on the effects of pollutants that enter the storm system on the environment.	

2a. Additions


### 3. Illicit Discharge Detection and Elimination

BMP ID No.	BMP Description	Responsible Dept./Person Name	Measurable Goal(s)	Progress on Goal(s)- Permit Year 1 (Reliance on non-municipal partners indicated, if any)	Planned Activities- Permit Year 2
C.1	Storm Sewer Map Preparation	Department of Public Works/ Robinson	Review of stormwater outfall map and inclusion of any updated information annually.	Stormwater outfall map reviewed for any necessary additions or revisions. Map was updated digitally this year.	Outfall map to be reviewed for inclusion of any updated information.
Revised		Engineering			
C.2	Regulatory Control Program - Sewer Use Ordinance	Department of Public Works/ Robinson	Review of sewer use ordinance for effectiveness annually and enforcement of ordinance as necessary.	Sewer use ordinance in place and reviewed.	Review and revision of ordinance and enforcement of ordinance as necessary.
Revised		Engineering			
C.3	Detection/Elimination Prioritization Plan	Department of Public Works	Establish written procedure.	Written procedure incorporated revision to inspect priority locations annually.	Review written procedure and revise if necessary.
Revised		Public Works			
C.4	Illicit Discharge Tracing Procedures	Department of Public Works	Establish written procedure.	Review written procedure.	Review written procedure and revise if necessary.
Revised		Public Works			
C.5	Illicit Source Removal Procedures	Department of Public Works	Establish written procedure.	Review written procedure.	Review written procedure and revise if necessary.
Revised		Public Works			
C.7	Visual Dry Weather Screening	Department of Public Works/ Robinson	Inspections of outfalls. (1/5 of outfalls per year)	58/60 outfalls were inspected under dry weather conditions during the reporting period.	Continue field inspections at dry weather conditions. Enforcement of ordinance upon detection of any violations.
Revised		Engineering			
C.8	Pollutant Field Testing	Department of Public Works	Establish written procedure.	Review written procedure.	Review written procedure and revise if necessary.
Revised		Public Works			

### 3a. Additions


#### 4. Construction Site Runoff Control

BMP ID No.	BMP Description	Responsible Dept./Person Name	Measurable Goal(s)	Progress on Goal(s)- Permit Year 1 (Reliance on non-municipal partners indicated, if any)	Planned Activities- Permit Year 2
D.1 Revised	Regulatory Control Program- Erosion & Sediment Control Ordinances	Department of Public Works/ Robinson Engineering	Review Applicable Sections of Stormwater Management Ordinance for effectiveness annually.	Applicable Sections of Stormwater Management Ordinance reviewed. No action necessary.	Review applicable sections of Stormwater Management Ordinance and implement revisions if deemed necessary.
D.2 Revised	Erosion and Sediment Control BMPs		Review of required BMPs annually.	Required BMPs reviewed for effectiveness.	Review required BMPs and modify requirements as necessary.
D.3	Other Waste Control Program		Pre-Construction plan review for inclusion of requirements, periodic inspections of sites.	Note regarding control of waste is required to be included on plans. Periodic inspections of sites including for control of wastewater from clean-up.	Pre-Construction plan review for inclusion of waste control requirements, periodic inspections of sites for control of wastes.
D.4 Revised	Site Plan Review Procedures		Pre-Construction review of runoff control in development plans.	Stormwater pollution prevention measures were reviewed in plan review phase for new developments. Green infrastructure techniques/BMPs are part of reviews.	Review stormwater pollution prevention measures in plan review phase.
D.6 Revised	Site Inspection/ Enforcement Procedures		Periodic inspections of construction sites and enforcement of ordinance.	Periodic inspections of construction sites were performed and reports provided to developers. Graduated enforcement steps were implemented in enforcement of Ordinance.	Continue inspections of construction sites and enforcement of ordinance.

#### 4a. Additions




5. Post-Construction Runoff Control

BMP ID No.	BMP Description	Responsible Dept./Person Name	Measurable Goal(s)	Progress on Goal(s)- Permit Year 1 (Reliance on non-municipal partners indicated, if any)	Planned Activities- Permit Year 2
E.2	Regulatory Control Program - Stormwater Management Ordinance	Department of Public Works/ Robinson Engineering	Review Applicable Sections of Stormwater Management Ordinance for effectiveness annually.	Applicable Sections of Stormwater Management Ordinance reviewed. No action necessary.	Review applicable sections of Stormwater Management Ordinance and implement revisions as necessary.
E.3	Long Term O&M Procedures		Enforcement of Ordinance.	Facilities observed during outfall inspections. Ordinance enacted 2/19/14 for establishment of pond annual self-inspection program.	Enforcement of Ordinances as necessary, including annual reporting requirement of pond self-inspection program.
E.4	Pre-Construction Review of BMP Designs		Pre-Construction review of BMP designs in development plans.	Reviews of BMP designs in all development plans were performed.	Continue review of BMP designs as plans are submitted. Include consideration of effects of climate change in designs.
E.5	Site Inspections during Construction		Periodic inspections of construction sites and enforcement of ordinance.	Inspections of post-construction BMPs were performed and punch lists of deficiencies were provided. Projects accepted only after correction of deficiencies.	Continue inspection of post-construction structural BMPs during construction.
E.6	Post-Construction Inspections		Monitor drainage facilities post-construction.	Inspections of drainage facilities performed post-construction and one year after completion of construction.	Continue post-construction inspections.
E.7	Other Post-Construction Runoff Controls		Assess water quality impacts of any flood management projects	No proposed flood control projects.	Assess as any flood control projects may be proposed in future.

5a. Additions

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6. Pollution Prevention/ Good Housekeeping

BMP ID No.	BMP Description	Responsible Dept./Person Name	Measurable Goal(s)	Progress on Goal(s)- Permit Year 1 (Reliance on non-municipal partners indicated, if any)	Planned Activities- Permit Year 2
F.1 Revised	Employee Training for BMP Program	Department of Public Works	Provide training materials for BMP Program.	Appropriate employees provided with training, materials. Salt-use seminar attended by Village personnel.	Provide appropriate employees with training, materials.
F.2 Revised	Inspection & Maintenance of Village Structural BMPs	Department of Public Works	Inspection of village structural BMPs annually.	Ongoing program for inspection, repair and cleaning of various structural BMPs continued village-wide.	Maintenance of village structural BMPs as needed and as warranted by inspections/surveillance.
F.3 Revised	Review of Municipal Operations Program for Stormwater Control	Department of Public Works	Review municipal program for stormwater control annually.	BMP program reviewed. Deicing materials were stored properly in salt domes and in brine tanks. Excess road salt was contained within temp. concrete block enclosure with secure tarp and also under covered storage area. Loading/unloading area kept clean.	Continue annual review of BMP program. Deicing material will continue to be stored in permanent storage structures.
F.4 Revised	Review of Municipal Operations Program for Waste Control	Department of Public Works	Review municipal operations program for waste control annually.	BMP program reviewed.	Continue annual review of BMP program.
F.5 Revised	Flood Plain Management Program	Department of Public Works/ Robinson Engineering	Review ordinances and policies annually to ensure compliance with FEMA regulations.	Ordinances and policies utilized and reviewed during development reviews to ensure compliance with FEMA regulations. Developers provide submittals for and obtain LOMRs where required. Attended FEMA meeting in Joliet 4/27/17 to ensure revisions were incorporated into map.	Pre-Construction review of development plans for compliance with current FEMA regulations.

6a. Additions

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**Section C. Summary of Collected and Analyzed Information, including Monitoring Data**

Sampling upstream and downstream of the Village's discharges was continued. In accordance with the new NOI requirements, additional analysis will be done upstream and downstream of the Village's discharge location on the Des Plaines River. Additional analysis will include parameters for which the river is impaired for, PCBs and Mercury. Dissolved oxygen, temperature, and pH are also measured in the field for all locations. Additionally, a midstream sampling location has been added for 2017 onwards for Mink Creek which is located off of Airport Rd.

<u>Sampling Locations</u>	<u>Sampling Frequencies and Rainfall</u>
Downstream Des Plaines River - Material Service Bridge	7/28/2010 - 1.5"      11/15/2010 - 0.04"
Upstream Des Plaines River - 135th Bridge	6/28/2011 - 0.11"      9/23/2011
Downstream Lily Cache Slough/Creek - Budler Rd. Culvert	9/04/2012 - 0.43"      10/24/2012 - 0.29"
Upstream Lily Cache Slough/Creek - Normantown Rd. Culvert	9/23/2013 - 0.03"      11/04/2013 - 1.61"
Downstream Mink Creek - South side of Renwick Rd. Bridge	6/19/2014 - 0.48"      9/19/2014 - 0.04"
Upstream Mink Creek - East Side of Weber Rd.	8/19/2015 - 1.26"
Midstream Mink Creek - Foot Bridge on Airport Rd*	5/04/2016 - 0.38"      7/19/2016 - 0.92"      10/06/2016 - 0.46"
*New Sample Location for 2017	2/7/2017 - 0.35"      4/06/2017 - 0.93"

Parameter	IL Water Quality Standards	US EPA Standard	Lower DuPage River Watershed Targets (Comparison)
Total Suspended Solids (Sediment)		25 - 80mg/L*	75 mg/L
Total Nitrogen		2.18 mg/L	1.5 mg/L
Phosphorus	0.05 mg/L (Lakes)	0.076 mg/L	0.076 mg/L
Chloride	500 mg/L		
Oil and Grease	15 mg/L		
Fecal Coliform	200 cfu/100ml mean		200cfu/100ml
pH	6.5-9.0		
DO	> 5.0mg/L		

\* from guidelines for good to moderate fisheries

Yearly Averages Des Plaines River 2010-2014

<u>Downstream</u> <u>Des Plaines</u> <u>River</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2013</u>	<u>2014</u>
Total Suspended Solids	23.9 mg/L	19.0mg/L	13.6mg/L	9.9mg/L	8.4mg/L
Total Nitrogen	7.2mg/L	5.55mg/L	7.54mg/L	6.07mg/L	3.76mg/L
Phosphorus	1.66mg/L	1.25mg/L	0.92mg/L	0.59mg/L	0.512mg/L
Chloride					243.0mg/L
Fecal Coliform	389 cfu/100ml	148 cfu/100ml	455 cfu/100ml	21,496 cfu/100ml	1685 cfu/100ml

<u>Upstream</u> <u>Des Plaines</u> <u>River</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2013</u>	<u>2014</u>
Total Suspended Solids	11.25mg/l	7.2mg/l	5.4mg/L	5.10mg/l	9.4mg/L
Total Nitrogen	11.7mg/L	9.96mg/L	10.56mg/L	10.17mg/L	3.45mg/L
Phosphorus	1.97mg/L	2.84mg/L	0.281mg/L	0.689mg/L	0.679mg/L
Chloride					396.0mg/L
Fecal Coliform	7890 cfu/100ml	225 cfu/100ml	127 cfu/100ml	11505 cfu/100ml	1505 cfu/100ml

Yearly Averages Lily Cache Slough/Creek 2010-2014

<u>Downstream Lily Cache Slough/Creek</u>	2010	2011	2012	2013	2014
Total Suspended Solids	10mg/L	19.5mg/L	12.05mg/L	12.4mg/L	4.2mg/L
Total Nitrogen	3.2mg/L	0.59mg/L	2.09mg/L	1.46mg/L	ND
Phosphorus	0.172mg/L	0.188mg/L	0.211mg/L	0.097mg/L	0.044mg/L
Chloride					154mg/L
Fecal Coliform	351 cfu/100ml	308 cfu/100ml	253 cfu/100ml	405 cfu/100ml	4550 cfu/100ml

<u>Upstream Lily Cache Slough/Creek</u>	2010	2011	2012	2013	2014
Total Suspended Solids	24.7mg/L	16.4mg/L	4mg/L	5.6mg/L	9.55mg/L
Total Nitrogen	2.5mg/L	1.28mg/L	1.70mg/L	1.44mg/L	0.07mg/L
Phosphorus	0.11mg/L	0.085mg/L	0.044mg/L	0.072mg/L	0.08mg/L
Chloride					226mg/L
Fecal Coliform	275 cfu/100ml	2950 cfu/100ml	136 cfu/100ml	170 cfu/100ml	37002 cfu/100ml

Yearly Averages Mink Creek 2010-2014

<u>Downstream Mink Creek</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2013</u>	<u>2014</u>
Total Suspended Solids	39mg/L	15.6mg/L	9.0mg/L	11.3mg/L	25.9mg/L
Total Nitrogen	2.8mg/L	0.292mg/L	0.65mg/L	0.781mg/L	0.736mg/L
Phosphorus	0.147mg/L	0.086mg/L	0.078mg/L	0.072mg/L	0.204mg/L
Chloride					141mg/L
Fecal Coliform	315 cfu/100ml	420 cfu/100ml	40 cfu/100ml	700 cfu/100ml	570 cfu/100ml

<u>Upstream Mink Creek</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2013</u>	<u>2014</u>
Total Suspended Solids	14mg/L	19.95mg/L	10.8mg/L	9.9mg/L	13.0mg/L
Total Nitrogen	0.765mg/L	0.096mg/L	1.055mg/L	0.996mg/L	0.115mg/L
Phosphorus	0.075mg/L	0.088mg/L	0.036mg/L	0.049mg/L	0.028mg/L
Chloride					113mg/L
Fecal Coliform	28 cfu/100ml	102 cfu/100ml	279 cfu/100ml	114 cfu/100ml	15450 cfu/100ml

2016 Monitoring Results for Des Plaines River & Lily Cache Slough/Creek

<u>Upstream Des Plaines River</u>	5/5/2016	7/19/2016	10/6/2016
Total Suspended Solids	15.6mg/L	11.2mg/L	6mg/L
Total Nitrogen	3.66mg/L	4.3mg/L	8.30mg/L
Phosphorus	NR	0.566mg/L	0.890mg/L
Oil & Grease	2.25mg/L	ND	3mg/L
Chloride	221mg/L	184mg/L	390mg/L
Fecal Coliform	2,200.0 cfu/100ml	8,900 cfu/100ml	1300 cfu/100ml

<u>Downstream Des Plaines River</u>	5/5/2016	7/19/2016	10/6/2016
Total Suspended Solids	14.2 mg/L	6.20mg/L	5mg/L
Total Nitrogen	1.79 mg/L	5.6 mg/L	4.48mg/L
Phosphorus	NR	0.766mg/L	0.490mg/L
Oil & Grease	ND	ND	3mg/L
Chloride	253mg/L	342mg/L	181mg/L
Fecal Coliform	260 cfu/100ml	47,000 cfu/100ml	4200 cfu/100ml

<u>Upstream Lily Cache Slough/Creek</u>	5/5/2016	7/19/2016	10/6/2016
Total Suspended Solids	2.6mg/L	3.4mg/L	10mg/L
Total Nitrogen	0.156mg/L	0.556mg/L	1.84mg/L
Phosphorus	NR	0.068mg/L	0.340mg/L
Oil & Grease	1.95mg/L	ND	3.0 mg/L
Chloride	541mg/L	334mg/L	137mg/L
Fecal Coliform	450 cfu/100ml	74,000 cfu/100ml	>10000 cfu/100ml

<u>Downstream Lily Cache Slough/Creek</u>	5/5/2016	7/19/2016	10/6/2016
Total Suspended Solids	5.8mg/L	5.8mg/L	16mg/L
Total Nitrogen	ND	1.25mg/L	0.53mg/L
Phosphorus	NR	0.190mg/L	0.186mg/L
Oil & Grease	ND	ND	2mg/L
Chloride	328mg/L	273.0mg/L	135mg/L
Fecal Coliform	80 cfu/100ml	27,000 cfu/100ml	1800 cfu/100ml

NR = No result available

ND = Non Detect for analyte

2016 Monitoring Results for Mink Creek

<u>Upstream Mink Creek</u>	5/5/2016	7/19/2016	10/6/2016
<b>Total Suspended Solids</b>	9.8mg/L	15.4mg/L	35mg/L
<b>Total Nitrogen</b>	ND	0.873 mg/L	1.11mg/L
<b>Phosphorus</b>	NR	0.039mg/L	0.088mg/L
<b>Oil &amp; Grease</b>	ND	ND	4mg/L*
<b>Chloride</b>	239mg/L	241mg/L	144mg/L
<b>Fecal Coliform</b>	20 cfu/100ml	2,400 cfu/100ml	< 100 cfu/100ml

<u>Downstream Mink Creek</u>	5/5/2016	7/19/2016	10/6/2016
<b>Total Suspended Solids</b>	15.0mg/L	10.4mg/L	38mg/L
<b>Total Nitrogen</b>	1.34mg/L	1.12mg/L	1.63mg/L
<b>Phosphorus</b>	NR	0.122mg/L	0.165mg/L
<b>Oil &amp; Grease</b>	ND	ND	4mg/L*
<b>Chloride</b>	170mg/L	143mg/L	141mg/L
<b>Fecal Coliform</b>	1,800 cfu/100ml	3,600 cfu/100ml	7,700 cfu/100ml



2017 Monitoring Results for Des Plaines River

<u>Upstream Des Plaines River</u>	2/7/2017	4/6/2017
Total Suspended Solids	8.0mg/L	19.0mg/L
Total Nitrogen	9.45mg/L	4.00mg/L
Phosphorus	0.605mg/L	0.292mg/L
Oil & Grease	5.0mg/L	5.0mg/L
Chloride	387.0mg/L	204.0mg/L
Fecal Coliform	3,602.0 cfu/100ml	2400 cfu/100ml
Mercury	<0.00020mg/L	<0.00020mg/L
PCB	ND	ND
pH	7.49	7.89
Dissolved Oxygen	8.82mg/L	10.1mg/L
Temperature	10.9°C	8.3°C

<u>Downstream Des Plaines River</u>	2/7/2017	4/6/2017
Total Suspended Solids	8.0mg/L	12.0mg/L
Total Nitrogen	5.65mg/L	3.04mg/L
Phosphorus	0.439mg/L	0.208mg/L
Oil & Grease	6.0mg/L	<6.0mg/L
Chloride	242.0mg/L	171.0mg/L
Fecal Coliform	1850 cfu/100ml	800 cfu/100ml
Mercury	<0.00020mg/L	<0.00020mg/L
PCB	ND	ND
pH	7.69	7.79
Dissolved Oxygen	9.87mg/L	10.1mg/L
Temperature	7.0°C	9°C

2017 Monitoring Results for Lily Cache Slough/Creek

<u>Upstream Lily Cache Slough/Creek</u>		2/7/2017	4/6/2017
Total Suspended Solids		36.0mg/L	6.0mg/L
Total Nitrogen		29.7mg/L	0.73mg/L
Phosphorus		0.285mg/L	0.109mg/L
Oil & Grease		3.0mg/L	< 6.0 mg/L
Chloride		1080.0mg/L	247.0 mg/L
Fecal Coliform		ND	< 100 cfu/100ml
pH		6.52	8.77
Dissolved Oxygen		9.88mg/L	13.5mg/L
Temperature		2.5°C	6.6°C

<u>Downstream Lily Cache Slough/Creek</u>		2/7/2017	4/6/2017
Total Suspended Solids		16.0mg/L	11.0mg/L
Total Nitrogen		6.70mg/L	0.97mg/L
Phosphorus		0.112mg/L	0.059mg/L
Oil & Grease		5.0mg/L	4.0mg/L
Chloride		244.0mg/L	177.0mg/L
Fecal Coliform		850 cfu/100ml	500 cfu/100ml
pH		7.01	7.92
Dissolved Oxygen		11.2mg/L	10.6 mg/L
Temperature		6.2°C	6.3°C

2017 Monitoring Results for Mink Creek

<u>Upstream Mink Creek</u>	2/7/2017	4/6/2017
Total Suspended Solids	<6mg/L	23.0mg/L
Total Nitrogen	0.76mg/L	1.18mg/L
Phosphorus	<0.050mg/L	0.067mg/L
Oil & Grease	4.0mg/L	5.0mg/L
Chloride	181.0mg/L	176.0mg/L
Fecal Coliform	ND	100 CFU/100ml
pH	7.72	7.88
Dissolved Oxygen	12.7mg/L	10.80mg/L
Temperature	4.3°C	8.1°C

<u>Downstream Mink Creek</u>	2/7/2017	4/6/2017
Total Suspended Solids	7.0mg/L	29.0mg/L
Total Nitrogen	1.60mg/l	1.82mg/L
Phosphorus	0.081mg/l	0.157mg/L
Oil & Grease	3.0mg/l	6.0mg/L
Chloride	180.0mg/L	121.0mg/L
Fecal Coliform	41,250.0 CFU/100ml	1400 CFU/100ml
pH	7.31	7.5
Dissolved Oxygen	9.85mg/L	10.4mg/L
Temperature	5.2°C	7.2°C

## Monitoring Results for Midstream Mink Creek 2017

<u>Midstream Mink Creek</u>	2/7/2017	4/6/2017
Total Suspended Solids	<6mg/L	16.0mg/L
Total Nitrogen	1.08mg/L	1.57mg/L
Phosphorus	0.035mg/L	0.193mg/L
Oil & Grease	9.0mg/L	6.0mg/L
Chloride	154mg/L	154mg/L
Fecal Coliform	ND	700 CFU/100ml
pH	7.26	7.9
Dissolved Oxygen	9.29mg/L	10.6mg/L
Temperature	4.9°C	7.3°C

### Discussion of Results for 2016/17 Reporting Period

**Total Suspended Solids:** TSS concentrations remain well below target levels at all locations. There is a slight increase noted through the Lily Cache and Mink Creek receiving waters, whereas the levels decrease through the DesPlaines River.

**Nitrogen:** Total Nitrogen was above target levels in the Des Plaines river, but showed a decrease through the Village's portion of the watershed. Lily Cache and Mink creeks have total nitrogen levels far below the target level. Nitrogen levels generally decreased as water traveled downstream. The exception is Mink Creek. A sample point was added midstream in 2017, before a golf course, to assist in identifying potential sources; the concentration appears to increase fairly uniformly through the watershed, so further investigation is needed.

**Fecal Coliform:** Fecal coliform for Lily Cache and Mink Creek increased through the watershed, and were above target levels of 200 cfu/100ml. When sampling, the presence of waterfowl in these two waterways was noted, which could be contributing to the higher fecal coliform counts. In the Des Plaines waterway, fecal coliform decreased as it flowed through, and waterfowl were not noted at the sample location.

**Phosphorus:** Although still above target levels, compared to previous years' data phosphorus levels have decreased over time in all three watersheds. For Des Plaines and Lily Cache watersheds, phosphorus decreases through the watershed. Phosphorus showed an increase in Mink Creek. The results obtained at the new midstream sampling point were inconsistent, so future data collected at this point in the future will hopefully assist in identifying any sources.

Findings from data continued:

**Chloride:** Chloride levels in all three watersheds are well below the target level. Chloride levels also decreased through the watershed for all sample locations. Data suggests that chloride levels have dropped since last year, and is likely attributable to a mild winter and BMPs regarding winter de-icing that have been put in place.

**Oil and Grease:** All three receiving waters are well below target levels, however levels of oil and grease have increased when compared to 2016 data. Levels through the Des Plaines and Lily Cache watershed seem to remain constant traveling downstream. Mink Creek shows an increase. Results from the new midstream point in Mink Creek indicate fairly consistent results traveling downstream, and future data will assist in determining if a source exists in the north part of the waterbody.

**pH:** The pH levels at all sample points indicate a healthy neutral level that remains fairly steady downstream in each watershed. The only watershed classified as impaired for pH is the Des Plaines. Along the Village's portion, the pH is in a healthy range according to Illinois Water Quality Standards.

**Dissolved Oxygen:** Dissolved Oxygen is far above the minimum requirement of 5.0 mg/L in all watersheds. Des Plaines is the only waterway listed as impaired for dissolved oxygen. The DO was the same at the upstream and downstream sample points.

**Mercury:** Mercury is a new analyte added for compliance with the new NOI permit requirement to test each watershed for its listed impairments. Only the Des Plaines is listed as impaired for mercury. Though additional data is needed, this year the mercury levels up and downstream were below impairment levels and below the reporting limit for the subcontracted laboratory.

**PCBs:** PCBs are new analytes added for compliance with the new NOI permit requirement to test each watershed for its listed impairments. Only the Des Plaines is listed as impaired for PCBs. Upstream and downstream sample locations were a non-detect.

**Overall:** The data generally supports our finding that concentrations of many analytes tested for are decreasing over time through the Village's portions of the watersheds. For Mink Creek where nutrients saw a rise, the midstream data suggests that a nonpoint source may be contributing to the rise in total nitrogen, phosphorus, and oil and grease. More data needs to be collected in order to confirm this hypothesis. Midstream sampling in Mink Creek will be continued.

#### **Dry Weather Screening:**

Dry weather screening has historically been performed at select outfalls with low flow during dry weather conditions. No dry weather flow was detected this year at any outfalls, and subsequently no dry weather screening was warranted.

## **Section D. Summary of Planned Storm Water Activities for Next Reporting Cycle**

Note: The planned activities summarized below are also listed in Section B; the activities will continue during the upcoming reporting period. The activities indicated are on-going and will be performed throughout the reporting period unless specifically noted otherwise.

- A.1: Distribution of pamphlet or other written material.
- A.6: Inclusion of article in annual newsletter distributed to all postal addresses in the Village.
- C.1: Review of outfall map for inclusion of updated information (February 2018).
- C.7: Perform dry weather inspections (scheduled for June-Sept. 2017).
- D.1, .2, .3, .4, & .6: Inspection of jobsites and enforcement of ordinances.
- E.2, .3, .4, .5, & .6: Enforcement of ordinance, monitoring of facilities, review of BMPs on plans.
- F.1: Provide employee training materials.
- F.2: Perform annual pond inspections (scheduled for September, October 2017).
- F.3 & F.4: Review BMP program (February 2018).

## **Section E. Attach notice that you are relying on another governmental entity to satisfy some of your permit obligations**

Not Applicable

## **Section F. Attach a list of construction projects that your entity has paid for during the reporting period**

In-House Road Resurfacing Projects- Various Locations throughout Village  
Lakewood Falls Subdivision Phase 7C Subdivision Street Resurfacing Project  
Water Main Rehabilitation Project  
Sanitary Sewer Inflow and Infiltration Project- Various Locations throughout Village  
Fire Station 1 Reconstruction

Remarks

A. The Village of Romeoville is currently a member of the following watershed groups:

Lower Du Page River Watershed Coalition

Lower Des Plaines River Chlorides Workgroup

Lower Des Plaines River Watershed Workgroup

Membership in these groups fulfills the requirements of Section III.D of the current General NPDES Permit No. ILR40 requirements. Information obtained from these groups such as assessment of the impacts of stormwater discharges or effectiveness of any BMPs to be implemented will supplement the information provided in the annual reports during such years that applicable information becomes available as described in Section V.A.2.x of the current General NPDES Permit No. ILR40 requirements.

B. The Village has continued to utilize the monitoring and assessment program for evaluating the effectiveness of the BMPs that was developed and implemented previously. The justification for the monitoring and assessment program is based upon the program originally being developed to be in conformance with the prior monitoring requirements, and as it was the sole program included in the draft General NPDES Permit No.ILR40 requirements, appears to be the preferred monitoring program.

C. The requirements for procedures for receipt and consideration of information submitted by the public as indicated in Section IV.B.5.A are met through Public Notices for development or redevelopment projects, and also Village Board Meetings at which the projects are discussed and opportunity for public comment is provided. Other opportunities for public input for this and for Section IV.2.C. requirements are being considered.