



Memo

TO: Committee of the Whole
FROM: Ed Andrews, Public Works Director
DATE: June 9, 2017
SUBJECT: NPDES Phase 2 Storm Water Update

The US EPA and Illinois EPA have previously adopted a permit requirement for discharges from small municipal separate storm sewers known as MS4s. This permitting was originally obtained by the City of Washington in 2003, as required by the agency. It was subsequently renewed in 2009 and again in 2014.

The City of Washington is also a member of Central Illinois Committee on NPDES (CICN) to coordinate and leverage local efforts concerning this permitting. The proposed best management practices (BMPs) outlined in the annual report are a continuation of efforts that the City and CICN have initiated and maintained over the years of the program.

Most recently the CICN met with the Illinois EPA regarding proposed stream quality monitoring requirement for all municipalities. A final ruling on this requirement has been made and the City of Washington will only be required to undertake visual monitoring since our population is under 25,000 threshold. A sample of the visual monitoring reporting from January 11th, 2017 is included.

Efforts in this coming year are anticipated to include a more formal annual cleaning checklist of basin under the City's jurisdiction and a review of all basins with the municipality for general upkeep and conformance.

This memorandum serves to update the Council on this program.

**ILLINOIS ENVIRONMENTAL PROTECTION AGENCY
ANNUAL FACILITY INSPECTION REPORT
NPDES PERMIT FOR STORM WATER DISCHARGES
FROM MUNICIPAL SEPARATE STORM SEWER SYSTEMS (MS4)**

Complete each section of this report.

REPORT PERIOD:	FROM: MARCH 2016	TO: MARCH 2017
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MS4 OPERATOR INFORMATION: (As it appears on the current permit)

NAME: CITY OF WASHINGTON	TELEPHONE NUMBER: (309) 444-3196	
MAILING ADDRESS: 301 WALNUT STREET		
CITY: WASHINGTON	STATE: IL	ZIP: 61571
CONTACT PERSON: ED ANDREWS, CITY ENGINEER (Person responsible for Annual Report)		

NAME(S) OF GOVERNMENTAL ENTITY(IES) IN WHICH MS4 IS LOCATED: (As it appears on the current permit)

COUNTY OF TAZEWELL	
STATE OF ILLINOIS	

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.

SIGNATURE: 	DATE: 5-26-17
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Information required by this form must be provided to comply with 415 ILCS 5/39 (1996). Failure to do so may prevent this form from being processed and could result in your application being denied. This form has been approved by the Forms Management Center.

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"/>
2. Public Participation/Involvement	<input type="checkbox"/>
3. Illicit Discharge Detection & Elimination	<input type="checkbox"/>

4. Construction Site Runoff Control	<input type="checkbox"/>
5. Post-Construction Runoff Control	<input type="checkbox"/>
6. Pollution Prevention/Good Housekeeping	<input type="checkbox"/>

No changes to the BMPS were made.

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.

Attach the status of compliance with permit conditions,

We are currently compliant with the permit conditions

an assessment of the appropriateness of your identified best management practices and

We feel that our identified best management practices are very appropriate in achieving our goals.

progress towards achieving the statutory goal of reducing the discharge of pollutants to the MEP,

We are progressing towards achieving the statutory goal of reducing the discharge of pollutants to the MEP through our BMPs

and your identified measurable goals for each of the minimum control measures.

Our measurable goals are our annual reports. We are meeting the requirements set forth in our original Notice of Intent. See the applicable year of the attached implementation schedule.

C.

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

Existing ordinances are being reviewed and drafts of various ordinances are being formulated in regards to Illicit Discharge, Storm Water Retention, Construction Site Runoff Control, and Post-Construction Site Runoff Control. No physical samples of water have been tested for quality.

The following functions were attended or produced by one or more of the representatives of our group.

- Distribution of newsletters from respective communities to the constituents regarding storm sewer regulations.
- Earth Day Celebrations
- River Sweep
- Various US EPA Stormwater Program's Webcast throughout the year.
- Various meetings with the majority of the NPDES communities in the area to share ideas and compliance efforts.
- 4/23/2016-Earth Day Festival @ Peoria Zoo
- 4/17/2016-Clean Water Celebration-Rain garden booth-Peoria Civic Center
- 5/4-5/6/16-APWA Annual Conference at Peoria-Storm Water related presentations and booths regarding NPDES Phase II concepts.
- 11/13-11/15, 2016-Township Officials of Illinois-presentation on Federal and State Requirements affecting Townships and other Local Agencies in Springfield, IL.

D.

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

See applicable year of the attached implementation schedule.

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

The following entities

City of East Peoria
Village of Morton
City of Pekin
Village of Bartonville
Village of Bellevue
Village of North Pekin
City of Washington
Village of Peoria Heights

Kickapoo Township
Limestone Township
Medina Township
Peoria County
Cincinnati Township
Washington Township
Tazewell County

are part of a group that is collectively attempting to satisfy some of the requirements of the following BMPs.

1. Public Education and Outreach
2. Public Participation/Involvement

F.

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

Annual Street Maintenance Program; < 1 Acre ;No SWPPP

Sewer Treatment Plant #2 - Phase 2A; NPDES Permit ILR10

US Business Rt 24 Rec Trail; NPDES Permit ILR10

**BEST MANAGEMENT PRACTICES (BMP's) FOR
NPDES PHASE II STORM WATER PROGRAM FOR MUNICIPAL SEPARATE STORM SEWER SYSTEMS (MS4s)**

	A. Public Education and Outreach	B. Public Participation/Involvement	C. Illicit Discharge Prevention and Elimination		D. Construction Site Runoff Control	E. Post-Construction Runoff Control		F. Pollution Prevention/Good Housekeeping	
BMP's	A.6 Other Public Education	B.7 Other Public Involvement	C.1 Storm Sewer Map Preparation	C.2 Regulatory Control Program C.4 Illicit Discharge Tracing Procedures C.6 Program Evaluation and Assessment C.7 Visual Dry Weather Screening C.9 Public Notification	D.1 Regulatory Control Program D.2 Erosion and Sediment Control BMPs D.4 Site Plan Review Procedures	E.1 Regulatory Control Program	E.6 Post-Construction Inspections	F.1 Employee Training Program	F.2 Inspection and Maintenance Program
Brief Description of BMP:	Regional effort for Public Education and Outreach through a committee representing Municipalities, Townships, and Counties.	Regional effort for Public Participation/Involvement through a committee representing Municipalities, Townships, and Counties.	Map storm sewers utilizing GIS data with coordination from a regional planning commission	Visual Dry Weather Screening	Conduct site plan review according to Erosion, Sediment, and Storm Water Control Ordinance	Regulatory Control Program	Conduct post-construction inspections and place on file with project documents	Employee Training Program	Inspect inlets from list that are prone to clogging. Follow written street sweeping schedule as needed
Measurable Goals, including resources: Annual report on status									
Year 1	Perpetuate status of existing committee for future and continue of public education and outreach. The existing committee represents Municipalities, Townships, and Counties with varying characteristics. Communicate NPDES Phase II Storm Water Information and Efforts through various media types. Record listing of each governmental organization's storm water education efforts.	Perpetuate status of existing committee for future and continue of public education and outreach. The existing committee represents Municipalities, Townships, and Counties with varying characteristics. Communicate NPDES Phase II Storm Water Information and Efforts through various media types. Record listing of each governmental organization's storm water education efforts.	Continue budgeting for mapping efforts; explore services with a regional planning commission for services to complete GIS mapping	Budget appropriate personnel in municipal budget to conduct visual dry weather screening	Continue evaluating existing ordinances regarding Erosion, Sediment, and Storm Water Control.	Review other government organization's ordinances regarding Post-Construction Runoff Control	Budget appropriate personnel in municipal budget to conduct post-construction inspections	Continue inventory equipment, update as new equipment is obtained and old equipment is retired.	Outline map of street sweeping schedule. Update as necessary with newly acquired roadways.
Year 2			Field data collection of storm sewer data by the a regional planning commission	Use draft of map from C1 or city map to identify logical sections of the storm sewer system	Conduct interviews with municipal personnel and discuss success of implementation and enforcement.	Draft ordinance with penalties for review by municipal personnel and discuss implementation	Keep a running list of all construction locations, responsibility, create information	Continue recording annual maintenance of equipment	Identify problem areas and increase sweeping frequency as necessary
Year 3			Field data collection of storm sewer data by the a regional planning commission	Schedule walking of creeks and open drainage ways to detect illogical water discharge and illegal dumping, note on map, and determine point of origin	Record locations and review on a time-specified basis (possibly monthly)	Make ordinance available for public review	Update list on an annual basis as to the condition and effectiveness of location	Attend applicable training seminars as offered as necessary	Evaluate respective government owned facilities for proper Pollution Prevention/Good Housekeeping techniques.
Year 4			Review and final correction of storm sewer data	List origin locations, point of discharge, contact information, property owner(s) etc. Publicly list offenders and their violations	Conduct interviews with municipal personnel and discuss success of implementation and enforcement.	Implement and enforce ordinance	List both compliant and non-compliant locations		
Year 5			Complete record of all municipally owned storm sewers on electronic file	Determine mechanism for correcting non-compliant locations (perhaps ordinance and penalties)	Continue implementation and enforcement. Continue evaluation of possible improvements that may lead to greater success of the ordinance's intentions.	Record locations and review on a time-specified basis (possibly monthly)	Determine for correcting non-compliant locations (perhaps ordinance and penalties)		

NPDES Permit # ILR40 – Visual Monitoring

Upstream Visual Location:

Farm Creek Bridge Crossing at Diebel Road

Lat: 40.710480°

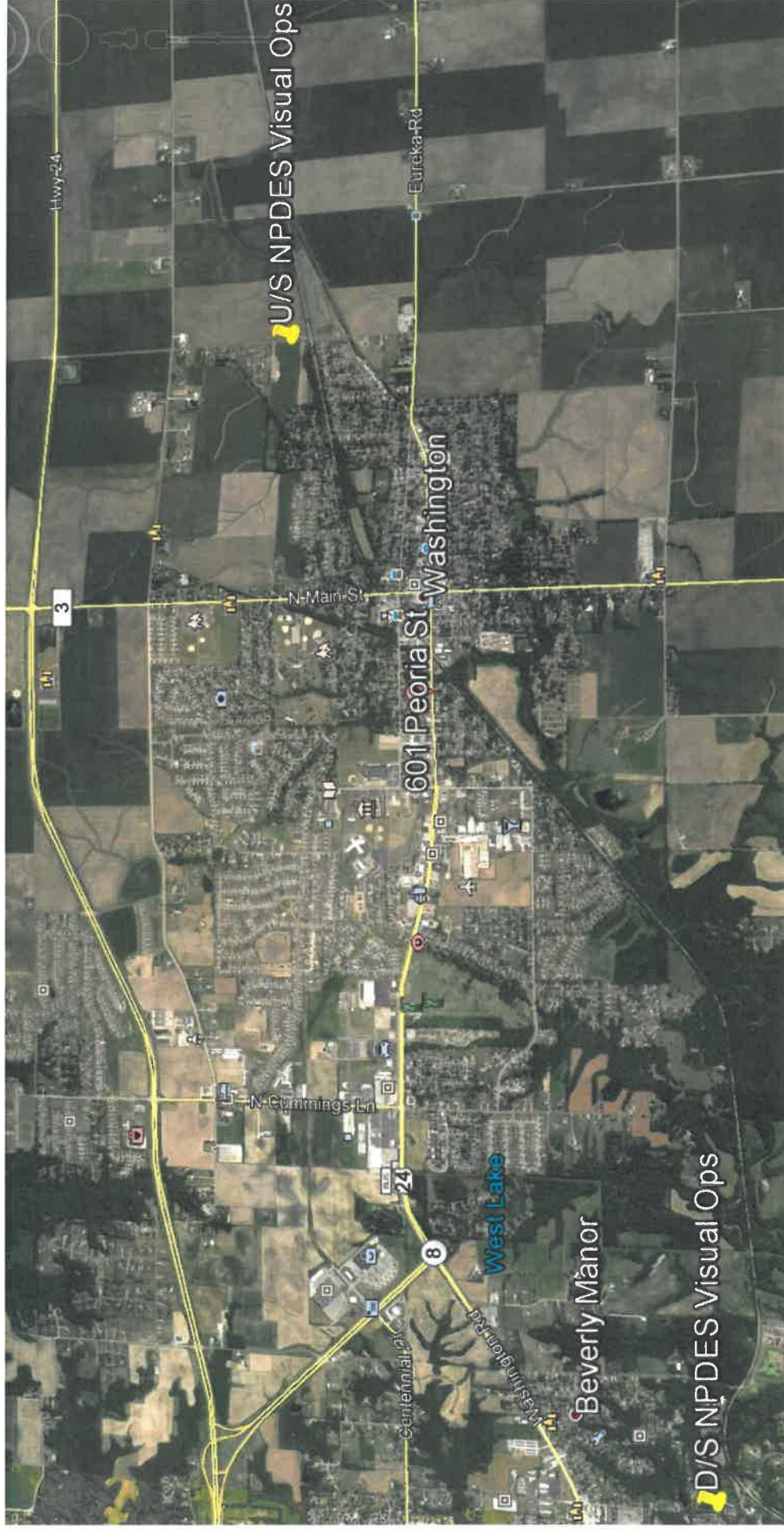
Long: -89.387430°

Downstream Visual Location:

Farm Creek Culvert Crossing at School Street

Lat: 40.686337°

Long: -89.473487°



Upstream Site

Date 1-11-17

Weather Fog

Temp high-40s

Previous Rainfall time from observation
(approximate to within 15 minutes)

22hour lapse

Previous Rainfall amount:

0.26 inches (KPIA 13:54 to 17:54)

Comments from visual inspection

Color **see picture**

Odor yes or **NO**

Clarity **Clear** or cloudy

Floating solids yes or **NO**

Settled solids yes or no

Suspended solids yes or **NO**

Foam yes or **NO**

Oil sheen yes or **NO**

Other



Picture of Upstream site

Downstream Site

Date

1-11-17

Weather

Fog

Temp

high-40s

Previous Rainfall time from observation
(approximate to within 15 minutes)

22.5 hour lapse

Previous Rainfall amount:

0.26 inches (KPIA 13:54 to 17:54)

Comments from visual inspection

Color see picture

Odor yes or NO

Clarity Clear or cloudy

Floating solids yes or NO

Settled solids yes or no

Suspended solids yes or NO

Foam yes or NO

Oil sheen yes or NO

Other



Picture of Downstream site

Map Options

Messaging

Search

Geofences

Locations

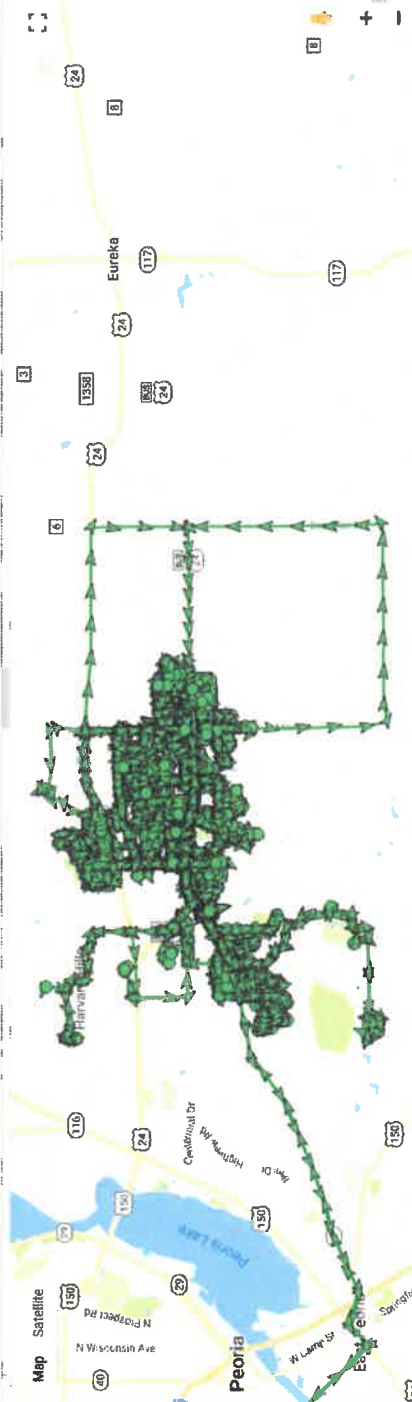
Vehicles

Filters

Hide

Updates Sweeper's Track

Vehicle	Time	Address	Speed	Course	Event
Lin#11	May 18, 2017 7:16:55 AM	3375 Sw Washington St, Peoria, IL, 61602	0 mph		Scheduled Update
Lin#2	May 18, 2017 7:16:42 AM	186 Monroe St, Washington, IL, 61571	17 mph	NW	Scheduled Update
Lin#23	May 18, 2017 8:48:44 AM	304 N Main St, Washington, IL, 61571	22 mph	NE	Scheduled Update
Lin#5	May 18, 2017 8:34:48 AM	9-1-1 DR, Washington, IL, 61571	2 mph	SE	Scheduled Update
Lin#7	May 18, 2017 7:02:04 AM	246 Jefferson St, Washington, IL, 61571	11 mph	W	Scheduled Update
Lin#9	May 18, 2017 6:52:30 AM	174 N High St, Washington, IL, 61571	25 mph	SE	Scheduled Update
Sweeper	May 18, 2017 6:47:48 AM	9-1-1 DR, Washington, IL, 61571	4 mph	E	Scheduled Update



Summary Report for Sweeper - User COWASHINGTON
March 1, 2016, 12:00 AM - March 31, 2017, 11:59 PM

Summary

Vehicle	Start	End	Total Moving Time	Mileage	Average Speed
Sweeper	---	---	372 Hours 0 Minutes	777.83	8