



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, 2019 To March, 2020

Permit No. ILR40 00546

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

Name: City of Danville Mailing Address 1: 17 W. Main Street
Mailing Address 2: 1155 E. Voorhees Street Suite A County: Vermilion
City: Danville State: IL Zip: 61832 Telephone: 217-431-2321
Contact Person: Eric Childers Email Address: echilders@cityofdanville.org
(Person responsible for Annual Report)

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

City of Danville

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))

Rickey Williams Jr.

Owner Signature:

Rickey Williams Jr.

Printed Name:

May 20, 2020

Date:

Mayor

Title:

EMAIL COMPLETED FORM TO: 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



City of Danville
Department of Public Works
1155 E. Voorhees Street, Suite A
Danville, IL 61832
Phone: 217.431.2382
Fax: 217.431.3444

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

**City of Danville, Illinois
NPDES PERMIT NO. ILR400546**

DATE: May 27, 2020

REPORTING PERIOD: March 1, 2019 to February 29, 2020

MS4 OPERATOR INFORMATION:

City of Danville
1155 E. Voorhees Street, Suite A
Danville, Illinois 61832
(217) 431-2382

INTRODUCTION:

The City of Danville is required to comply with Phase II of the NPDES Stormwater Program (ILR40 / MS4 permit), administered by the Illinois EPA. This report details the efforts the City of Danville has undertaken for the period Year 4 from March 1, 2019 through February 29, 2020 of the current permit, effective March 1, 2016.

The City received this General NPDES Permit for Discharges from Small MS4 issued by the IEPA on February 10, 2016 with an expiration date of February 28, 2021. The purpose of the permit is for municipalities to implement programs and practices to control stormwater pollution and thereby improve stormwater quality in their communities.

Danville has developed a plan tailored to the needs of the City, to address the six required Best Management Practices over the term of the NPDES Phase II Permit. The Plan takes into account

the environmental and physical needs of the City, while also accounting for time, personnel, and money needed to fulfill the measurable goals established for each BMP.

The City of Danville is currently working under an NOI written and submitted to the IEPA in May 2017. This report describes the status of the best management practice (BMP) activities as listed on the current NOI and summarizes the activities proposed during the next permit year.

Per ILR40 Part V.C, each permittee must submit an annual report which provides an assessment of the appropriateness and effectiveness of the BMPs, a status of compliance, results of information collected and analyzed, a summary of the storm water activities, any change in identified BMPs, a notice if the permittee is relying on another entity to satisfy some of the permit obligations, and updated summary of any BMP constructed or implemented pursuant to any approved TMDL.

Representatives from the Champaign IEPA office on September 19, 2019 performed an audit of the City's stormwater management plan and assess compliance with the General Storm Water Permit for MS4. Based on the audit it was reported that the City of Danville has a viable stormwater management program. The report offered four recommendations for improvements. The City will be looking at these recommendations and work towards satisfying these improvements during the upcoming year.

The following constitutes Danville's 2019-2020 annual report.

A. STATUS OF COMPLIANCE

Below we provide an annual evaluation of each of the six Best Management Practices categories and the measurable goals for each. A status of compliance with permit conditions, an assessment of the appropriateness of the identified BMPs, the progress toward achieving compliance for the reporting year, and the identified measurable goals for each of the minimum control measures are discussed.

The general permit specifies that all permitted facilities establish annual goals for each of the six minimum control measures. The following is a brief summary of the BMPs chosen for each minimum control measure, the status of compliance for each goal associated with the BMPs chosen, an assessment of BMP appropriateness, and the progress towards meeting each goal.

B. CHANGES TO BEST MANAGEMENT PRACTICES (BMPs)

The City was issued a General NPDES permit on February 10, 2016 with an effective date of March 1, 2016. This permit expires February 28, 2021. A new NOI was submitted to IEPA in May 2017.

No changes to the BMPs have occurred since the previous NOI was submitted.

C. RESULTS OF INFORMATION COLLECTED AND ANALYZED

1 – Data Collected during Monitoring and Assessment Program

All outfalls monitoring data collected and analyzed during the reporting period was visual observation only. A blank copy of the visual inspection report is included in Attachment C. Most of the information is auto-populated from the in-field collection. However, some notes and any additional information considered beneficial for the report is added while in the office. The reports are filed in the Community Development department, as well as given to Public Works Operations to address maintenance and inspection concerns.

Between March 1, 2019 and February 29, 2020, there were 86 outfalls inspected. Those inspections were documented on the City's Outfall Inspection form for material type and size, discharge physical conditions, physical indicators at the outfall, and flow indicators discharging from outlet pipe(s).

2 – Data Collected regarding SSOs and Green Infrastructure BMPs

The City of Danville experienced 7 sanitary sewer overflows (SSO) at various locations and reported each by the SSO or bypass notification summary report as required during the reporting year.

No sanitary sewer cross connections were discovered or reported this year.

Danville has created an inventory of stormwater infrastructure facilities. At the end of the reporting year, we have documented 70 wet and dry stormwater basins, 2 underground storage facilities, and 5 green infrastructure facilities in Danville. Of these, the City owns 9 of the basins, and 2 of the green infrastructure facilities.

D. FUTURE STORM WATER ACTIVITIES

Danville has several upcoming projects with some portion of stormwater management infrastructure improvements.

- 1) Edwards Street Improvements - This project will be a complete pavement and sidewalk replacement project. New curb & gutter, storm inlets, and HMA replacement for approximately 1910 lineal feet will be improved. The project will begin in June 2020, and is scheduled to be complete by the fall of 2020.
- 2) Harrison Street Roadway Improvements – This project will improve the roadway and incorporate sidewalks and storm inlets for improved drainage. This project is scheduled to start in the summer of 2020.

3) Hinkley Street & Highland Blvd. Drainage Improvements – This project will reconstruct and/or improvement drainage on Hinkley and Highland. The Hinkley Street drainage improvements were one project on the City’s Stormwater Master Plan to be constructed.

4) Fairchild-Hazel Street Intersection Improvements – This project consist of street widening, storm sewer improvements, and traffic signal upgrades at this intersection. The project is planned for a summer of 2020 start date.

5) Voorhees-Jackson Street Intersection Improvements – This project consist of street widening and alignment, storm sewer improvements, and HMA overlay of the intersection. The project is planned for the fall of 2020 start date.

E. RELIANCE ON ANOTHER GOVERNMENT ENTITY

The City of Danville does not rely on another government entity to satisfy permit obligations.

F. CONSTRUCTION PROJECT LIST 2019-2020:

The following construction projects were undertaken or ongoing by the City of Danville between March 1, 2019 and February 29, 2020:

- (1) Jackson Street Shared Use Path Extension
- (2) Ellsworth Park Improvements
- (3) Villas of Holly Brook Pump Station
- (4) 2019 Sewer Cleaning & Televising
- (5) 2019 Infrastructure Improvements (Overlay, Sealcoat, Micro-surface at various street locations)

G. ATTACHMENTS A AND B:

“Attachment A – 2019-2020 NPDES Compliance Report” summarizes the BMP activities that were implemented for the compliance period March 1, 2019 through February 29, 2020. A status designation of “Completed” indicates that the activity fully meets the milestone proposed in the Notice of Intent. A status designation of “Substantially Completed” indicates that a majority of the activity has been completed, but still has some incomplete parts. A status of “Partially Completed” indicates that the activity was started, but at least 50% has yet to be finished. A status of “Incomplete – Forthcoming” indicates the activity has not been started, but we have plans to begin within the next reporting year. A status of “Incomplete” indicates the activity was incomplete at the end of the reporting year.

For Year 4 (2019-2020), the City of Danville has 38 BMPs outlined in the NOI. 27 of BMPs were completed, 4 were substantially completed, 4 were partially completed, and 3 were incomplete.

“Attachment B – Notice of Intent Proposed Measureable Goals and Milestones” includes a list of milestones established for the next permit period, Year 5 March 1, 2020 to February 28, 2021.

H. ADDITIONAL PROGRAM COMPLIANCE:

1. Stormwater Master Plan

In an effort to better understand the stormwater management needs and priorities therein, the City hired a private consultant in 2016 to develop a Stormwater Master Plan for identifying stormwater needs throughout the City. This comprehensive study of the stormwater program needs developed a list of 40 stormwater and flood management projects ranging from improving drainage to assisting private homeowners. The Master Plan also lays out the personnel and fiscal requirements needed for stormwater maintenance and for meeting the NPDES permit requirements. The City Council approved the plan in April 2016 and is available to view on the City of Danville’s Stormwater Management webpage: www.cityofdanville.org/stormwater. The City has incorporated one project, Hinkley Street Drainage Improvements, to be completed this year.

2. Status of Compliance with the Monitoring and Assessment Program

Under Part V. Monitoring, Recordkeeping, and Reporting, the new permit requires the permittee to develop and implement a monitoring and assessment program to evaluate the effectiveness of the BMPs being implemented to reduce pollutant loading and water quality impacts. The program was required to be established within 180 days of the permit issuance date.

The City of Danville drafted their Monitoring Program during the summer of 2016. A visual monitoring program for the large outfalls (24” and larger) was established to best fulfill the requirements of the permit, while meeting the time and monetary constraints Danville is faced with. The program was tested during the fall of 2016 and implemented in November 2016.

An entirely new data collection system was established to implement this program. Outfall monitoring criteria were input into ArcGIS. Monitoring data and photos are collected in the field utilizing an iPad. The reports are then downloaded and compiled once back in the office. A blank copy of the report forms can be found in Attachment C. A copy of the Standard Operating Procedure for the monitoring program can be found in Attachment D.

Although an outfall monitoring program has been established, the City of Danville is performing these inspections on an emergency-only and available personnel basis. Limited staff and no funding mechanism for a stormwater management program, has prevented the full implementation of the Monitoring and Assessment Program. Until funding is secured, outfall investigations will only be performed if pollution is reported. Once funding is available, the program should be able to be re-established relatively quickly, to return this portion of the program to compliance.

This report hereby represents the City of Danville's stormwater management program, designed to reduce the discharge of pollutants from the MS4 to the maximum extent practicable, to protect water quality, and to satisfy the appropriate water quality requirements of the Illinois Pollution Control Board Rules and Regulations and the Clean Water Act.

This report is respectfully submitted to the Illinois Environmental Protection Agency (IEPA) as the annual summary of Danville's efforts to fulfill the requirements of General NPDES Permit No. ILR400546.

If you have any questions about this report, please contact me at (217) 431-2259 or email echilders@cityofdanville.org.

Sincerely,



Eric N. Childers
Assistant City Engineer
City of Danville

ATTACHMENT A - 2019-2020 NPDES COMPLIANCE REPORT - CITY OF DANVILLE, ILLINOIS



BMP ID	STATUS	BMP CATEGORY	BMP SUBCATEGORY	BMP DESCRIPTION	MEASUREABLE GOAL	YEAR 4 MILESTONE	MILESTONE YEAR 4 ACTIVITIES
A.1	SUBSTANTIALLY COMPLETED	Public Education and Outreach	Distributed Paper Material	Distribute stormwater runoff awareness brochure to local agencies and public buildings. Investigate other potential material distribution ideas that can promote BMP's. Update website to include stormwater runoff and pollution prevention materials.	Update website regularly, at least quarterly. Track webpage hits. See an increase in visitors to page. Distribute updated Preventing Pollution handout.	Evaluate existing outreach methods. Continue website efforts. Investigate further outreach efforts to possibly include Twitter use or other brochure distribution.	Website for stormwater and pollution prevention materials was reviewed and updated accordingly Preventing Pollution flyer is available at both the City Hall and Public Works buildings.
A.2	COMPLETED	Public Education and Outreach	Speaking Engagement	Promote and make available speaking engagements about storm water pollution and best management practices upon request of citizens or public organizations.	Participate in at least one speaking engagement annually. Contact the middle school(s) each fall to gage interest. Include information on the website about our availability for public speaking. Consider contacting HOAs, as well.	Have staff available for speaking engagements about stormwater pollution and best management practices when requested. Post information on the website about staff availability for speaking engagements.	The City Engineering staff continues to incorporate stormwater best management practices into discussion during public meetings and project planning. City staff has reached out to Aldermen in the EJ designated wards to offer speaking engagements. Information is available on the website.
A.6	COMPLETED	Public Education and Outreach	Other Public Education	Improve communications between residential and commercial activities adjacent to projects to keep both residences and business owners informed on a construction project progress. Publicize project information via City web site and provide staff phone lines for residents to report problems.	Update the stormwater website with information regarding current City of Danville construction projects. Update as needed, at least quarterly, to maintain accurate information. Follow up on any citizen concerns received via the "report a problem" form.	Establish guidelines for all staff to communicate project information and follow up procedures. Provide an easy-to-find and easy-to-use link on the website for reporting project, pollution, and other concerns.	The Sustainability section of the website includes past and recent projects, ways to help installing BMPs, and available Sustainable publications. There are several pages with links for reporting problems.
B.2	COMPLETED	Public Participation/ Involvement	Educational Volunteer	Have staff personnel volunteer and available to speak to groups, businesses, and owners on storm water pollution and best management practices when opportunities arise.	Participate in at least one speaking engagement annually. Contact the middle school(s) each fall to gage interest. Include information on the website about our availability for public speaking. Consider contacting HOAs, as well.	Proactively contact schools regarding speaking opportunities. Have staff available for speaking engagements about storm water pollution and best management practices when requested. Plan to participate in at least 1 event per year	The City Engineering staff continues to incorporate stormwater best management practices into discussion during public meetings and project planning. City staff has reached out to Aldermen and others to offer speaking engagements. Information is available on the website.
B.3	COMPLETED	Public Participation/ Involvement	Stakeholder Meeting	Provide a minimum of one public meeting annually for the public to provide input as to the adequacy of the permittee's MS4 program.	Establish the February Public Works Committee Meeting (held the second Tuesday of each month) to be our annual MS4 program evaluation meeting.	Post a notice on the City's homepage and stormwater management webpages advertising the meeting. Collect, evaluate, and consider any citizen concerns raised at the meeting.	City hosted a public meeting during the March Public Works Committee Meeting, with an open forum for NPDES comments. No public comments were received.
B.5	COMPLETED	Public Participation/ Involvement	Volunteer Monitoring	Review and update as needed the current web-based system for reporting problems on storm water pollution issues. Review the City's response plan.	Public awareness, involvement, concerns, and reporting activity on illegal discharges, dumping, and soil erosion with all City activities.	Update the web based system for public to report problems about storm water issues. Create a prominent link to "Report flooding, erosion, pollution, or illegal dumping". Review City response plan.	The City website and stormwater webpage have a link to "Report flooding, erosion, pollution, or illegal dumping". We also accept phone calls from citizens with the same concerns. The completed forms are automatically emailed to the City Engineer, Assistant City Engineer, and the Stormwater Engineer.
B.6	COMPLETED	Public Participation/ Involvement	Program Involvement	Identify environmental justice (EJ) areas and include appropriate public involvement and participation	Pursue identifying the EJ areas within the City of Danville. Engage with the aldermen of the ward(s) identified and explore various ways to include appropriate involvement with their citizen group(s).	Engage with aldermen of the ward(s) identified and explore various ways to include appropriate involvement with their constituents.	The City of Danville has identified Wards 1 and 4 as our EJ areas. City Planning have incorporated EJ within the current Neighborhood Wellness Plan for the City.
B.7	SUBSTANTIALLY COMPLETED	Public Participation/ Involvement	Other Public Involvement	Encourage storm drain stenciling and stream cleanup programs to the public by providing web based information about public volunteer opportunities about storm inlet stenciling. Provide information on equipment use. Provide at least one community cleanup day per year. Coordinate with other agencies such as Keep Vermilion County Beautiful.	Post information about how citizens can go about a storm drain stenciling effort. Update as needed. Track any stenciling reported by citizens. Coordinate efforts annually for community cleanup day(s).	Provide assistance and monitor stenciling and community cleanup programs. Coordinate, lead and promote at least one community clean up day each year. Partner with KVCB or other groups to combine efforts	The City updated the stormwater website to include information and links to the Prairie Rivers Network in Champaign, which provides storm drain stenciling kits for free. The Public Works Department during current City street projects that require repair or new structures, replace inlet castings when available, with castings having the logo "Dump No Waste - Drains to River". The City hosted a river cleanup event at Ellsworth Park along the North Fork River during the past year.
C.1	COMPLETED	Illicit Discharge Detection & Elimination	Storm Sewer Map Preparation	Continue mapping program and televising of storm and sanitary sewers. Incorporate a data inventory for detection of illicit discharges.	Update mapping system with collected data. Track length and locations of sewers televised annually.	Collect and update data to map inventory and continue televising sewers.	Staff members continue to gather GPS coordinates and structure information of storm and sanitary structures within the City. The information has been added to current GIS maps. City sewer staff continues televising sewers and document cross connections to engineering staff.

ATTACHMENT A - 2019-2020 NPDES COMPLIANCE REPORT - CITY OF DANVILLE, ILLINOIS



BMP ID	STATUS	BMP CATEGORY	BMP SUBCATEGORY	BMP DESCRIPTION	MEASUREABLE GOAL	YEAR 4 MILESTONE	MILESTONE YEAR 4 ACTIVITIES
C.2	COMPLETED	Illicit Discharge Detection & Elimination	Regulatory Control Program	Identify, respond and eliminate illicit discharges of substances on streets, sidewalks and within sewers.	Enforce City ordinances 93.04, 93.05 and 93.06 pertaining to placing or depositing substances on streets, sidewalks and other public places. Have the Regulatory Compliance officer inspect and monitor reported violations.	Respond to illicit discharge and illegal dumping reports and enforce ordinance.	The City responds to all potential illicit discharges and illegal dumping that are reported or observed by City personnel. There were 21 illegal dumpings reported this year.
C.3	COMPLETED	Illicit Discharge Detection & Elimination	Detection/ Elimination Prioritization Plan	Evaluate sewer mapping and televised sewers for cross connections and/or direct discharges to streams and ditches.	Prioritize areas for inspections as they are reported or discovered. Develop program to eliminate cross connection or repair lines and manholes.	Conduct inventory and investigations, and prioritize sites. Continue reviewing mapping and video of sewers for elimination of cross connections and broken sewer lines.	The Street and Sewer Department continues to monitor for sewer cross connections for detection and evaluation as part of ongoing televising. The department continues to perform testing through normal maintenance and documentation of sewer lines. Any cross connections are reported and investigated.
C.4	COMPLETED	Illicit Discharge Detection & Elimination	Illicit Discharge Tracing Procedures	Testing visual and/or laboratory testing of discharges identified during observed or public reported events.	Tests being performed by visual inspection or samples taken for laboratory testing of alleged illicit discharges at the site. If illicit discharges are found, a corrective action is developed.	Record the number of illicit connections found, repaired/replaced during observed or reported events.	Visual testing was conducted on all scheduled inspected outfalls. No suspected illicit discharges were found via these inspections showing no visual sanitary sewer cross connections discharging at the outfalls.
C.5	COMPLETED	Illicit Discharge Detection & Elimination	Illicit Source Removal Procedures	Develop plan of action for elimination of illicit discharges upon their discovery.	A standard practice plan of procedures for remediating illicit discharges upon their discovery, notification, and documentation.	Review plan and modify as necessary. Use of notification and removal procedures.	City sewer crews and the engineering department worked with the City plumbing inspector to ensure issues had been addressed. A standard of practice plan of procedures for remediating illicit discharge and SSO's has been developed. 7 SSOs occurred this year.
C.7	SUBSTANTIALLY COMPLETED	Illicit Discharge Detection & Elimination	Visual Dry Weather Screening	Perform Dry weather outfall screening as part of the Outfall Monitoring Program.	Survey and inspect outfall locations, record and develop a recording schedule during dry weather. Begin detection/elimination program of any areas of concern. Monitor and record outfall conditions for needed repairs.	Continue outfall inspection as part of Outfall Monitoring Program. Continue emergency maintenance work. Add or eliminate outfalls to priority list, as appropriate. Danville's goal is to inspect all priority outfalls once during dry weather and once during wet weather each year.	There were 86 outfalls inspected during the compliance year. Any outfalls in need of repair were reported to the Operations Department.
D.1	COMPLETED	Construction Site Runoff Control	Regulatory Control Program	Develop a new erosion control and sediment control ordinance to address construction site runoff control for all construction project.	Adoption of a City erosion and sediment control ordinance. Develop a checkoff list based on construction size and complexity of project for all new projects.	Chapter 170 of the City Code for Erosion and Sediment Control was adopted in May 2017. All new development projects with 2000 sf or greater of land disturbance require erosion control review.	All new development projects with 2000 sf or greater of land disturbance had erosion control review. Site disturbances of 2000 SF to 1 acre are classified as Class 2 and sites greater than 1 acre are classified as Class 1. Each submittal has a checklist to be provided with the site plan submittals.
D.2	INCOMPLETE	Construction Site Runoff Control	Erosion and Sediment Control BMPs	As part of developing an ordinance for erosion and sediment control, ensure best management practices are followed by distributing a manual for erosion/sediment control.	Distribute and update BMP Standard Practice Manual for public access at public buildings and on the City's web site.	Begin to develop BMP Standard Practice Manual in line with the erosion and sediment control ordinance.	A manual still needs to be developed and completed.
D.4	COMPLETED	Construction Site Runoff Control	Site Plan Review Procedures	Review erosion control plans/practices submitted for each new site project, to meet the new Erosion Control Ordinance requirements.	Complete review of each soil erosion and sediment control plan on an as needed basis and follow up with field inspection(s) during construction to enforce owner/permittee inspection and maintenance requirements.	Review each project submitted and document inspections.	All land disturbance permits are reviewed for sediment and erosion control plans. 10 - Class 2 permits and 5 - Class 1 permit were issued during the reporting year. Periodic site inspections are performed to verify plans are being followed.
D.5	COMPLETED	Construction Site Runoff Control	Public Information Handling Procedures	Publicize and update as needed the existing on line contact information for reporting soil erosion/sediment non-compliance issues.	Investigate complaints and take appropriate actions.	Update the web based system for public to report problems about storm water issues. Create a prominent link to "Report flooding, erosion, pollution, or illegal dumping". Review City response plan.	The City of Danville will continue to monitor any issues reported via the online forms. Through the City's inspection three known erosion control issues were found on ongoing construction sites.
D.6	COMPLETED	Construction Site Runoff Control	Site Inspection/ Enforcement Procedures	Conduct construction site inspections as a means to "spot-check" owners/contractors/permittees to ensure they are fulfilling their permit requirements for regular inspections and maintenance. Document and track inspections.	Conduct construction site inspections as a means to "spot-check" owners/contractors/permittees to ensure they are fulfilling their permit requirements for regular inspections and maintenance. Document and track inspections.	Inspect all site construction sites at least once during the project to verify owners/contractors/permittee are fulfilling their permit requirements. Perform close-out inspections to authorize permit closeout / occupancy authorizations at the end of a project to ensure site is fully stabilized before permit is closed. Document and track inspections.	Inspect sites with ILR10 permits at least once during construction, and at permit close-out. Verify site conditions meet permit, and the permittee is meeting the permit requirements for inspections and maintenance of erosion control. Document and track inspections.

ATTACHMENT A - 2019-2020 NPDES COMPLIANCE REPORT - CITY OF DANVILLE, ILLINOIS



BMP ID	STATUS	BMP CATEGORY	BMP SUBCATEGORY	BMP DESCRIPTION	MEASURABLE GOAL	YEAR 4 MILESTONE	MILESTONE YEAR 4 ACTIVITIES
E.1.1	INCOMPLETE	Post-Construction Runoff Control	Community Control Strategy	Within 3 years of this permit (NLT Mar 1, 2019), develop and implement a process to assess the water quality impacts in the design of all new and existing flood management projects that discharge to the MS4.	Investigate a process to assess water quality impacts in flood managements projects. Initiate any ordinance requirements to enact this program.	Investigate a process to assess water quality impacts in flood management projects.	The City will continue to investigate and research a process to assess water quality impacts.
E.1.2	INCOMPLETE	Post-Construction Runoff Control	Community Control Strategy	Develop and implement a program to minimize the volume of stormwater runoff and pollutants from public surfaces through i. Annual training for all MS4 employees who manage or are directly involved in routine maintenance, repair, or replacement of public surfaces in green infrastructure. ii. Annual training for all contractors retained to manage or carry out routine maintenance, repair or replacement of public surfaces in green infrastructure or LID techniques.	Find or develop an appropriate training program to facilitate the construction of LID facilities.	Find or develop an appropriate training program to facilitate the construction of LID facilities.	No training has been implemented to date.
E.2.1	COMPLETED	Post-Construction Runoff Control	Regulatory Control Program	Use of a formal checklist as a guide for final approval of construction site work.	Final inspection checklist being used as documentation of providing final approval of all construction sites and issuing corrective actions if applicable.	Create a formal Erosion Control checklist. Inspect construction site for erosion and sediment control issues during final inspections.	Formal checklist developed is used of construction site for erosion and sediment control issues during final inspections.
E.2.2	COMPLETED	Post-Construction Runoff Control	Regulatory Control Program	Require all regulated construction sites to have post-construction management plans that meet or exceed the requirements of ILR10.	All construction sites of 1.0 acres or more are required to receive an ILR10 permit issued by the Illinois EPA per the current and new revision of the stormwater ordinance.	Require all Construction sites of 1.0 acres or more to receive an ILR10 permit.	All land disturbance permits are reviewed for IRL10 permit requirements. 2 ILR10 permits were issued during the reporting year.
E.2.3	COMPLETED	Post-Construction Runoff Control	Regulatory Control Program	Require long-term operation and maintenance plans for all new stormwater management facilities.	Require long-term operation and maintenance plans for all new stormwater management facilities.	Include operations and maintenance plan requirements in stormwater ordinance.	Operations and maintenance plan requirements are in the updated stormwater ordinance effective May 2017.
E.2.4	COMPLETED	Post-Construction Runoff Control	Regulatory Control Program	Develop, implement and enforce a program to address and minimize the volume and pollutant load of stormwater runoff from projects from new development and redevelopment, adopting strategies that incorporate the infiltration, reuse and evapotranspiration of stormwater into the project to the maximum extent practicable.	Require both water quantity and water quality control for development projects.	Include water quality and water quantity requirements in updated stormwater ordinance, including use of green infrastructure strategies.	We have Included water quality and water quantity requirements in updated stormwater ordinance effective May 2017, including use of green infrastructure strategies.
E.4	COMPLETED	Post-Construction Runoff Control	Pre-Construction Review of BMP Designs	Perform site plan reviews for stormwater BMPs to ensure water quality and water quantity control, as well as constructability and long-term operation and maintenance.	During permitting process ensure conformance with ordinances regulating water quality and water quantity control.	Develop amended stormwater ordinance to include both water quantity and water quality control requirements.	All development and redevelopment that disturbs 5000 sf or more of land had to meet the requirements of the stormwater management ordinance, which includes a water quality requirements.
E.5	COMPLETED	Post-Construction Runoff Control	Site Inspections During Construction	Require owners / permittees to perform regular site inspections during the life of a construction project. Provide a formal checklist for large (1 ac+) permitted sites to fulfill erosion control requirements for weekly and after-rain inspections. A pre-construction meeting shall be set up for all large construction activities to review SWPPP's and discuss erosion and sediment control procedures.	Under the new erosion control ordinance, all permittees are required to perform regular site inspections and subsequent maintenance, to meet the requirements of Part IV.B.4.a.vii, as well as Parts IV.B.4.a.i and .iv of the MS4 permit.	Perform random enforcement "spot check" inspections, to verify permittees are fulfilling their inspection and maintenance requirements.	Current inspections by City personnel occur on occasion to enforce ILR10 requirements.
E.6.1	COMPLETED	Post-Construction Runoff Control	Post-Construction Inspections	Inspect each permitted construction site during final inspection for conformance with the project specific BMPs as part of the building inspection process. Perform site inspections when issues are reported by the public.	Inspect each permitted construction site during final inspection for conformance with the project specific BMP's as part of the building inspection process. Perform site inspections when issues are reported by the public.	Inspect permitted post-construction sites. Respond to reported public issues.	No erosion control issues were reported on permitted sites by the public this year. Any post construction issues will continue to be inspected when reported.

ATTACHMENT A - 2019-2020 NPDES COMPLIANCE REPORT - CITY OF DANVILLE, ILLINOIS



BMP ID	STATUS	BMP CATEGORY	BMP SUBCATEGORY	BMP DESCRIPTION	MEASUREABLE GOAL	YEAR 4 MILESTONE	MILESTONE YEAR 4 ACTIVITIES
E.6.2	PARTIALLY COMPLETED	Post-Construction Runoff Control	Post-Construction Inspections	Perform maintenance inspections of all City-owned water quality and water quantity stormwater facilities at least once every 3 years. Perform maintenance inspections or request maintenance inspection records of all privately owned water quality and water quantity stormwater facilities at least once every 3 years.	Create an inventory of all stormwater facilities and stormwater quality facilities in the City. Begin inspections of stormwater facilities.	Create an inventory of all stormwater facilities and stormwater quality facilities in the City. Begin inspections of stormwater facilities, and collection of requested maintenance documents. Facilities should be inspected every 3 years. *Program is being performed on emergency only basis until a stormwater fund is developed.	Inventory of public & private stormwater ponds and green infrastructure / water quality facilities had been created. There are 70 ponds, 2 underground storage facilities and 5 water quality facilities in Danville.
E.7	PARTIALLY COMPLETED	Post-Construction Runoff Control	Other Post-Construction Runoff Controls	Develop and implement a program to minimize the volume of stormwater runoff and pollutants from existing privately owned developed property.	Implement the 8 different categories required per ILR40 Part IV.B.5.e	Implement the 8 different categories required per ILR40 Part IV.B.5.e	i. not yet addressed. ii.a partially complete ii.b complete ii.c not yet addressed. ii.d. complete ii.e complete ii.f complete ii.g complete.
F.1	COMPLETED	Pollution Prevention/Good Housekeeping	Employee Training Program	Provide training for employees for storm water quality issues or that have routine contact with chemical substances, pesticides and herbicide applications, salt and calcium applications, or abatement and containment of hazardous material spills.	Conduct applicable training annually and for all new employees. Part IV.B.6.a-d Provide RainCheck training video for all public works field crew personnel.	Provide applicable annual training for Public Works personnel.	RainCheck Stormwater Pollution Prevention for MS4s training video was made available to Public Works personnel for review. Annual training of Operation personnel was to occur in March 2020 but due to COVID 19 restrictions it had to be furloughed to later in the 2020 year.
F.2.1	COMPLETED	Pollution Prevention/Good Housekeeping	Inspection and Maintenance Program	Document City's annual storm water maintenance program.	Provide routine maintenance to all public storm water infrastructure as needed and per maintenance schedule. Document maintenance activities.	Document City's annual storm water maintenance program within the annual report.	The Street and Sewer Department cleaned/repaired storm sewer lines and various catch basins as part of the city's maintenance program, on an emergency basis. Call out logs document work that has been performed. During the compliance year the City contracted services for storm sewer televising and cleaning. Approximately 15,400 LF of storm sewers were cleaned and televised. Operations crews cleaned approximately 9000 LF.
F.2.2	SUBSTANTIALLY COMPLETED	Pollution Prevention/Good Housekeeping	Inspection and Maintenance Program	Prepare Storm Water Pollution Prevention Plan (SWPPP) for all applicable municipal facilities.	Provide SWPPP for each facility and conduct an annual inspection report.	Update the SWPPP for Public Works; perform SWPPP inspection. Create SWPPP for South Street; perform SWPPP inspection.	Public Works SWPPP for the South Street and Public Works Facilities were inspected and reported during the compliance year. All delinquent item found were formally reported to the Public Works managers. Operations is working towards correcting any outstanding items.
F.4.1	COMPLETED	Pollution Prevention/Good Housekeeping	Municipal Operations Waste Disposal	Maintain garbage and yard waste collection.	Garbage and yard waste collection is provided on a weekly basis to keep waste out of storm sewer systems.	Continue garbage and yard waste collection methods.	The yard waste (YW) collection system had weekly collections designated by zones within the City. The YW program collected 1562 loads through totes or waste bags during the calendar year. Collected materials are composted at the City's designated YW facility. Total intake at the YW facility was 5386 yards of material.
F.4.2	PARTIALLY COMPLETED	Pollution Prevention/Good Housekeeping	Municipal Operations Waste Disposal	Control vehicle and equipment washing by performing all washes in an enclosed washing bay which drains to sanitary sewer.	Wash public works vehicles and equipment as needed in an enclosed bay.	Wash public works vehicles and equipment as needed in an enclosed bay.	The City has a designated bay system area for washing all large public works vehicles to ensure the runoff is contained and not discharge to the storm sewer system. All vehicles are washed under a building canopy cover with a large concrete pad sloped to a grated structure that drains to an oil/water separator. Approximately 20 vehicles per month are washed, using 400 gallons of water and 5 gallons of Grrr Heavy Duty Cleaner.
F.4.3	COMPLETED	Pollution Prevention/Good Housekeeping	Municipal Operations Waste Disposal	Oil and fluid disposal program to dispose of oils and fuels by a licensed waste hauler.	Dispose of oil and used oil filters every other month. Dispose of other fluids as needed (approximately every 6 months)	Dispose of oil and used oil filters every other month. Dispose of other fluids as needed (approximately every 6 months)	Disposal of oil, oil filters, and other fluids were disposed of by way of a licensed waste hauler throughout the year to ensure no waste was contaminating storm water discharges.
F.4.4	PARTIALLY COMPLETED	Pollution Prevention/Good Housekeeping	Municipal Operations Waste Disposal	Maintain a proper disposal area for all vector truck disposal materials from both sanitary and storm sewer systems. All liquids shall be discharged to the sanitary sewer system and all dry materials collected and disposed of as solid waste.	Dispose of all vector truck materials at the proper disposal area. *City of Danville's disposal area has become inadequate. City to design a new system to meet compliance requirements.	Ensure all vector trucks are using the facility. This includes all trucks which have collected stormwater, not just sanitary sewer collections.	Liquid collections are currently disposed of at a downstream manhole. Solid collections are dried at Public Works then disposed of at the landfill. All truckloads of sanitary waste and storm sewer waste are collected throughout the year using the City's vacuum trucks. Each truckload is 2100 gallons.

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F.6	COMPLETED	Pollution Prevention/Good Housekeeping	Other Municipal Operations Controls	Sweep all streets in the City at least once before September and twice between September and November.	Reducing storm sewer clogging at inlets and piping. Increase the street sweeping frequency as needed.	Sweep all streets in the City at least once before September and twice between September and November. Track lane-miles swept and volume of debris collected.	The street sweeping program was in effect during the spring and fall months. The City collected 51 tons of leaves and debris from city streets during the month of November 2019. A total of 3127 lane-miles were swept, averaging 310 per month. Each outside lane of curbed roadway was swept about 4 times during the year, with each sweeping session comprised of two passes of the sweeper.

ATTACHMENT B - 2020-2021 NPDES STORMWATER ACTIVITY PLAN - CITY OF DANVILLE, ILLINOIS



BMP ID	BMP CATEGORY	BMP SUBCATEGORY	BMP DESCRIPTION	MEASUREABLE GOAL	YEAR 5 MILESTONE
A.1	Public Education and Outreach	Distributed Paper Material	Distribute stormwater runoff awareness brochure to local agencies and public buildings. Investigate other potential material distribution ideas that can promote BMP's. Update website to include stormwater runoff and pollution prevention materials.	Update website regularly, at least quarterly. Track webpage hits. See an increase in visitors to page.	Evaluate existing outreach methods. Continue outreach efforts.
A.2	Public Education and Outreach	Speaking Engagement	Promote and make available speaking engagements about storm water pollution and best management practices upon request of citizens or public organizations.	Proactively contact schools regarding speaking opportunities. Have staff available for speaking engagements about storm water pollution and best management practices when requested. Plan to participate in at least 1 event per year.	Have staff available for speaking engagements about storm water pollution and best management practices when requested. Plan to participate in at least 1 event per year.
A.6	Public Education and Outreach	Other Public Education	Improve communications between residential and commercial activities adjacent to projects to keep both residences and business owners informed on a construction project progress. Publicize project information via City web site and provide staff phone lines for residents to report problems.	Update the stormwater website with information regarding current City of Danville construction projects. Update as needed, to maintain accurate information. Follow up on any citizen concerns received via the "report a problem" form.	Create and update regularly, a map of current and proposed City of Danville construction projects, along with a brief description of each and anticipated construction timeframe. Maintain link and follow-up on reported concerns.
B.2	Public Participation/ Involvement	Educational Volunteer	Promote and make available speaking engagements about storm water pollution and best management practices upon request of citizens or public organizations.	Proactively contact schools regarding speaking opportunities. Have staff available for speaking engagements about storm water pollution and best management practices when requested. Plan to participate in at least 1 event per year.	Have staff available for speaking engagements about storm water pollution and best management practices when requested. Plan to participate in at least 1 event per year.
B.3	Public Participation/Involvement	Stakeholder meeting	Provide a minimum of one public meeting annually for the public to provide input as to the adequacy of the permittee's MS4 program.	Establish the February Public Works Committee Meeting (held the second Tuesday of each month) to be our annual MS4 program evaluation meeting.	Post a notice on the City's homepage and stormwater management webpages advertising the meeting. Collect, evaluate, and consider any citizen concerns raised at the meeting.
B.5	Public Participation/ Involvement	Volunteer Monitoring	Review and update as needed the current web-based system for reporting problems on storm water pollution issues. Review the City's response plan.	Monitor and address any concerns and reported activity on illegal discharges, dumping, and soil erosion within the City.	Continue to use and refine the web based reporting system on storm water management.
B.6	Public Participation/ Involvement	Program Involvement	Identify environmental justice areas and include appropriate public involvement/participation	Pursue identifying the environmental justice areas within the City of Danville. Engage with the aldermen of the ward(s) identified and explore various ways to include appropriate involvement with their citizen group(s).	Participate in at least one EJ project or outreach effort each year
B.7	Public Participation/ Involvement	Other Public Involvement	Encourage storm drain stenciling and stream cleanup programs to the public by providing web based information about public volunteer opportunities about storm inlet stenciling. Provide information on equipment use.	Post information about how citizens can go about a storm drain stenciling effort. Update as needed. Track any stenciling reported by citizens. Coordinate efforts annually for community cleanup day(s).	Provide assistance and monitor stenciling and community cleanup programs. Partner with KVCB or other groups to combine efforts.

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BMP ID	BMP CATEGORY	BMP SUBCATEGORY	BMP DESCRIPTION	MEASUREABLE GOAL	YEAR 5 MILESTONE
C.1	Illicit Discharge Detection & Elimination	Storm Sewer Map Preparation	Continue mapping program and televising of storm and sanitary sewers. Incorporate a data inventory for detection of illicit discharges.	Update mapping system with collected data. Track length and locations of sewers televised annually.	Collect and update data to map inventory and continue televising sewers.
C.2	Illicit Discharge Detection & Elimination	Regulatory Control Program	Identify, respond and eliminate illicit discharges of substances on streets, sidewalks and within sewers.	Enforce City ordinances 93.04, 93.05 and 93.06 pertaining to placing or depositing substances on streets, sidewalks and other public places. Have the Regulatory Compliance officer inspect and monitor reported violations.	Respond to illicit discharge and illegal dumping reports and enforce ordinance.
C.3	Illicit Discharge Detection & Elimination	Detection/ Elimination Prioritization Plan	Evaluate sewer mapping and televised sewers for cross connections and/or direct discharges to streams and ditches.	Prioritize areas for inspections as they are reported or discovered. Develop program to eliminate cross connection or repair lines and manholes.	Inventory conducted and sites prioritized. Continue reviewing mapping and video of sewers for elimination of cross connections and broken sewer lines.
C.4	Illicit Discharge Detection & Elimination	Illicit Discharge Tracing Procedures	Testing visual and/or laboratory testing of discharges identified during observed or public reported events.	Tests being performed by visual inspection or samples taken for laboratory testing of alleged illicit discharges at the site. If illicit discharges are found, a corrective action is developed.	Record the number of illicit connections found, repaired/replaced during observed or reported events.
C.5	Illicit Discharge Detection & Elimination	Illicit Source Removal Procedures	Develop plan of action for elimination of illicit discharges upon their discovery.	A standard practice plan of procedures for remediating illicit discharges upon their discovery, notification, and documentation.	Continue use of notification and removal procedures.
C.7	Illicit Discharge Detection & Elimination	Visual Dry Weather Screening	Perform Dry weather outfall screening as part of the Outfall Monitoring Program.	Survey and inspect outfall locations, record and develop a recording schedule during dry weather. Begin detection/elimination program of any areas of concern. Monitor and record outfall conditions for needed repairs.	Continue outfall inspections as part of Outfall Monitoring Program . Continue emergency maintenance work. Add or eliminate outfalls to priority list, as appropriate. Danville's goal is to inspect all priority outfalls once during dry weather and once during wet weather each year.
D.1	Construction Site Runoff Control	Regulatory Control Program	Develop a new erosion and sediment control ordinance to address construction site runoff control for all construction projects.	Adoption of a City erosion and sediment control ordinance. Develop a checkoff list based on construction size and complexity of project for all new projects.	Enforce permit requirements, plan and development review requirements, site inspection requirements and site closeout requirements.
D.2	Construction Site Runoff Control	Erosion and Sediment Control BMPs	As part of developing an ordinance for erosion and sediment control, ensure best management practices are followed by distributing a manual for erosion/sediment control.	Provide links to both the Illinois Urban Manual and the IDOT Erosion and Sediment Control Field Guide on the City of Danville's stormwater webpage.	Continue to offer these erosion control manuals as a means of providing the best information to the designers and contractors in Danville.
D.4	Construction Site Runoff Control	Site Plan Review Procedures	Review erosion control plans/practices submitted for each new site project, to meet the new Erosion Control Ordinance requirements.	Complete review of each soil erosion and sediment control plan on an as needed basis and follow up with field inspection(s) during construction to enforce owner/permittee inspection and maintenance requirements.	Review each project submitted and document inspections. Track all erosion control permits, submittals, and inspections related to each permit under the new erosion control ordinance.
D.5	Construction Site Runoff Control	Public Information Handling Procedures	Publicize and update as needed the existing on line contact information for reporting soil erosion/sediment non-compliance issues.	Continue to use and refine the web based reporting system on storm water management. Investigate complaints and take appropriate actions.	Continue to use and refine the web based reporting system on storm water management. Investigate complaints and take appropriate actions.

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BMP ID	BMP CATEGORY	BMP SUBCATEGORY	BMP DESCRIPTION	MEASUREABLE GOAL	YEAR 5 MILESTONE
D.6	Construction Site Runoff Control	Site Inspection/ Enforcement Procedures	Conduct construction site inspections as a means to "spot-check" owners/contractors/permittees to ensure they are fulfilling their permit requirements for regular inspections and maintenance. Document and track inspections.	Conduct construction site inspections as a means to "spot-check" owners/ contractors/ permittees to ensure they are fulfilling their permit requirements for regular inspections and maintenance. Document and track inspections.	Inspect Class 1 and Class 2 sites under the new erosion control ordinance as required by ordinance. Verify site conditions meet permit, and the permittee is meeting the permit requirements for inspections and maintenance of erosion control. Document and track inspections.
E.1.1	Post-Construction Runoff Control	Community Control Strategy	Within 3 years of this permit (NLT Mar 1, 2019), develop and implement a process to assess the water quality impacts in the design of all new and existing flood management projects that discharge to the MS4.	Investigate a process to assess water quality impacts in flood management projects.	Continue to investigate a process to assess water quality impacts in flood management projects.
E.1.2	Post-Construction Runoff Control	Community Control Strategy	Develop and implement a program to minimize the volume of stormwater runoff and pollutants from public surfaces through i. Annual training for all MS4 employees who manage or are directly involved in routine maintenance, repair, or replacement of public surfaces in green infrastructure. ii. Annual training for all contractors retained to manage or carry out routine maintenance, repair or replacement of public surfaces in green infrastructure or LID techniques.	Find or develop an appropriate training program to facilitate the construction of LID facilities.	Provide annual training for stormwater management of runoff and pollutants from public facilities.
E.2.1	Post-Construction Runoff Control	Regulatory Control Program	Use of a formal checklist as a guide for final approval of construction site work.	Inspect construction site for erosion and sediment control issues during final inspections.	Inspect construction site for erosion and sediment control issues during final inspections. Begin use of new construction site inspection checklist as part of close-out processes. Track permit inspections and close-out dates.
E.2.2	Post-Construction Runoff Control	Regulatory Control Program	Require all regulated construction sites to have post-construction management plans that meet or exceed the requirements of ILR10.	All construction sites of 1.0 acres or more are required to receive an ILR10 permit issued by the Illinois EPA per the current and new revision of the stormwater ordinance.	All land disturbance permits are reviewed for IRL10 permit requirements.
E.2.3	Post-Construction Runoff Control	Regulatory Control Program	Require long-term operation and maintenance plans for all new stormwater management facilities.	Include operations and maintenance plan requirements in stormwater ordinance.	Enforce O&M plan requirements as required by stormwater management ordinance. Track O&M plans.
E.2.4	Post-Construction Runoff Control	Regulatory Control Program	Develop, implement and enforce a program to address and minimize the volume and pollutant load of stormwater runoff from projects from new development and redevelopment, adopting strategies that incorporate the infiltration, reuse and evapotranspiration of stormwater into the project to the maximum extent practicable.	Require both water quantity and water quality control for development projects.	Enforce water quantity and water quality control for development projects within the stormwater management ordinance.

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E.4	Post-Construction Runoff Control	Pre-Construction Review of BMP Designs	Perform site plan reviews for stormwater BMPs to ensure water quality and water quantity control, as well as constructability and long-term operation and maintenance.	Enact stormwater ordinance which requires both stormwater quantity and quality control. Perform reviews in accordance with stormwater ordinance to ensure constructability and long-term operation and maintenance of BMPs.	Enforce stormwater ordinance which requires both stormwater quantity and quality control. Perform reviews in accordance with stormwater ordinance to ensure constructability and long-term operation and maintenance of BMPs.
E.5	Post-Construction Runoff Control	Site Inspections During Construction	Require owners / permittees to perform regular site inspections during the life of a construction project. Provide a formal checklist for large (1 ac+) permitted sites to fulfill erosion control requirements for weekly and after-rain inspections. A pre-construction meeting shall be set up for all large construction activities to review SWPPP's and discuss erosion and sediment control procedures.	Per the erosion control ordinance, all permittees are required to perform regular site inspections and subsequent maintenance, to meet the requirements of Part IV.B.4.a.vii, as well as Parts IV.B.4.a.i and .iv of the MS4 permit.	Perform occasional site inspections as part of the erosion control ordinance verification/enforcement process. Track permits and inspections.
E.6.1	Post-Construction Runoff Control	Post-Construction Inspections	Inspect each permitted construction site during final inspection for conformance with the project specific BMPs as part of the building inspection process. Perform site inspections when issues are reported by the public.	Inspect each permitted construction site during final inspection for conformance with the project specific BMP's as part of the building inspection process. Perform site inspections when issues are reported by the public.	Inspect permitted post-construction sites. Respond to reported public issues.
E.6.2	Post-Construction Runoff Control	Post-Construction Inspections	Perform maintenance inspections of all City-owned water quality and water quantity stormwater facilities at least once every 3 years. Perform maintenance inspections or request maintenance inspection records of all privately owned water quality and water quantity stormwater facilities at least once every 3 years.	Begin inspection of City-owned stormwater ponds. Enforce O&M inspection requirements as outlined in the stormwater management ordinance.	Perform maintenance inspections of all City-owned water quality and water quantity stormwater facilities at least once every 3 years. The City owns 6 wet basins, 1 dry basin, and 2 green infrastructure facilities.
E.7	Post-Construction Runoff Control	Other Post-Construction Runoff Controls	Develop and implement a program to minimize the volume of stormwater runoff and pollutants from existing privately owned developed property.	Implement the 8 different categories required per ILR40 Part IV.B.5.e	Continue implementation of completed categories. Develop program for source identification (i); evaluation of flood control as related to climate change (iii). Improve education on green infrastructure BMPs (ii).
F.1	Pollution Prevention/ Good Housekeeping	Employee Training Program	Provide training for employees for storm water quality issues or that have routine contact with chemical substances, pesticides and herbicide applications, salt and calcium applications, or abatement and containment of hazardous material spills.	Conduct applicable training annually and for all new employees. Part IV.B.6.a-d Provide RainCheck training video for all public works field crew personnel.	Provide training to Public Works and Parks Department Personnel annually.
F.2.1	Pollution Prevention/ Good Housekeeping	Inspection and Maintenance Program	Document City's annual storm water maintenance program.	Provide routine maintenance to all public storm water infrastructure as needed and per maintenance schedule. Document maintenance activities.	Document City's annual storm water maintenance program within the annual report.

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F.2.2	Pollution Prevention/ Good Housekeeping	Inspection and Maintenance Program	Prepare Storm Water Pollution Prevention Plan (SWPPP) for all applicable municipal facilities.	Update SWPPPs as needed. Follow up on inspections from previous year; perform annual inspection. Goal is to reduce findings of concern by 10% each year.	Update SWPPPs as needed. Follow up on inspections from previous year; perform annual inspection each fall. Goal is to reduce findings of concern by 10% each year.
F.4.1	Pollution Prevention/ Good Housekeeping	Municipal Operations Waste Disposal	Maintain garbage and yard waste collection.	Garbage and yard waste collection is provided on a weekly basis to keep waste out of storm sewer systems.	Continue garbage and yard waste collection methods.
F.4.2	Pollution Prevention/ Good Housekeeping	Municipal Operations Waste Disposal	Control vehicle and equipment washing by performing all washes in an enclosed washing bay which drains to sanitary sewer.	Construct an enclosed wash bay to ensure all wash water, soaps, detergents, sediments, oils, and other materials coming off municipal vehicles is filtered and directed to the sanitary sewer, no discharging to stormwater.	Wash all public works vehicles and equipment in the enclosed bay.
F.4.3	Pollution Prevention/ Good Housekeeping	Municipal Operations Waste Disposal	Oil and fluid disposal program to dispose of oils and fuels by a licensed waste hauler.	Dispose of oil and oil filters every other month for oil. Dispose of other fluids as needed.	Dispose of oil every other month for oil. Dispose of other fluids as needed.
F.4.4	Pollution Prevention / Good Housekeeping	Municipal Operations Waste Disposal	Maintain a proper disposal area for all vector truck disposal materials from both sanitary and storm sewer systems. All liquids shall be discharged to the sanitary sewer system and all dry materials collected and disposed of as solid waste.	Dispose of all vector truck materials at the proper disposal area. Look into the possibility of construction a new facility with a larger capacity and better filter system.	Ensure all vector trucks are using the facility. This includes all trucks which have collected stormwater, not just sanitary sewer collections.
F.6	Pollution Prevention/ Good Housekeeping	Other Municipal Operations Controls	Sweep all streets in the City at least once before September and twice between September and November.	Reducing storm sewer clogging at inlets and piping. Increase the street sweeping frequency as needed.	Sweep all streets in the City at least once before September and twice between September and November. Track lane-miles swept and volume of debris collected.

ATTACHMENT C

Outfall Inspection Form

Priority

#

Section 1: Background Data

Outfall ID: Approx. Location:	Discharges to:
Date:	Last Rainfall Time:
Inspector:	Inspector 2:
Temperature:	Rainfall:
Land Use in Drainage Area:	
Notes (e.g., origin of outfall, if known):	

Section 2: Outfall Description

Location	Material	Shape	Number	Size	Submerged
					In Water
					With Sediment
Flow Present?					
Flow Temp.					
Flow Amount					
Erosion					

Section 3: Physical Indicators for Flowing or Submerged Outfalls

Indicator	Description	Severity
Odor		
Color		
Turbidity		
Floatables		

Section 4: Physical Indicators for Both Flowing and Non-Flowing Outfalls

Indicator	Description	Comments
Outfall Damage		
Deposits/Stains		
Abnormal Vegetation		
Poor Pool Quality		
Pipe Benthic Growth		

GIS Notes:

Maintenance Notes:

Standard Operating Procedure: Outfall Inspection

Purpose of the SOP:

This SOP provides a basic checklist for conducting storm drainage system outfall inspections utilizing the iPad.

Planning Considerations:

- Outfall inspections are to occur at each location twice each year – once during dry conditions (72 hours since rainfall) and once after a recent rainfall (1/2" or more rain within the last 24 hours).
- Be sure tablet is sufficiently charged before leaving the office.
- Consider grouping inspections located in close proximity.
- Be aware of easements to access outfalls.
- Expect most outfalls to be somewhat difficult to access. Woods, difficult terrain, private property and/or water-access only are to be expected.
- Do not enter private property without arranging permissions ahead of time.

Equipment List:

- PPE (Vest, boots, etc.)
- Outfall Inspection iPad
- Sample bottle
- Sampling Pole
- Disposable gloves
- Infrared thermometer
- Tape Measure
- Pruning Shears (for trimming briars, etc.)
- Machete (optional, but helpful)
- 5 gallon bucket
- Stop watch
- Hand wipes

Field Methods:

- Inspect outfall only if it is safe to do so. Be sure of footing, especially in wet conditions, look for poison ivy, etc.
- Open "Collector" App on the iPad. 
 - Open "Engineering – Storm Outfall inspections" map
 - Zoom to current location. Locate appropriate outfall dot. 
 - Click on outfall dot to open inspection form.
 - Click the edit button,  then "Edit".
 - While wearing gloves, collect a sample of any flow. Characterize the outfall by recording information in the Outfall Inspection Form.
 - Use the tape measure to verify pipe size.
 - Use the sample bottle to characterize visual and olfactory information.
 - Attempt to identify any dry weather flow.
 - Attempt to identify any unusual wet weather flow.
 - Use the 5 gallon bucket (or sample bottle as appropriate) and a timer to estimate flow rate.
 - Click "Update" when all criteria have been completed.
- Open "Photo Date Stamp" App on the iPad. 
 - Click "Take Photo".
 - Take 1 to 3 photos of the outfall and surrounding area, trying to capture the location and all notable criteria (physical condition of pipe, nearby erosion, characteristics of flow, etc.).

- Reopen “Collector” App, click on the outfall dot, click the edit button and “Edit”.
 - Click the Camera logo,  then “Add”, then “Choose From Library”.
 - Click “Camera Roll”, then select the appropriate photos. Then click “Done”.
 - Click “Update”.
- If the outfall dot is not in the correct location to accurately indicate the outfall location:
 - Click on the outfall dot.
 - Click the edit button, then “Edit”.
 - Click on the screen in the correct location to move the dot.
 - Click “Update”.
- If an outfall of 24” diameter or greater is found which is not in the GIS:
 - While standing at the appropriate location, click the “+” to “Collect a new feature”
 - Follow the monitoring criteria above.
 - Be sure to notify the GIS personnel of the new outfall and subsequent piping.
- Follow the procedures below if an illicit discharge or sanitary discharge is suspected.

Procedure for suspected sanitary discharge:

- Document observations on the Outfall Inspection Form
- Take photos
- Immediately Contact Construction & Maintenance Manager
- Remind them to follow SOP for Sanitary Sewer Overflows. SSOs must be reported to IEPA within 24 hours.
- Notify Assistant City Engineer and/or Stormwater Engineer as a matter of record.

Procedure for suspected illicit discharge:

- Document observations on the Outfall Inspection Form
- Take photos
- Visually inspect general area for possible sources.
- Notify Stormwater Engineer and Assistant City Engineer.
- Stormwater engineer or Assistant City Engineer shall report to Construction & Maintenance Manager.
- Illicit Discharges shall be logged. Discharges shall be tracked upstream by PW until source can be found and removed.

Procedure for non-suspected discharge:

- Document observations on the Outfall Inspection Form
- Take photos
- If outfall flow appears to most likely be groundwater, report findings to Construction & Maintenance Manager as a matter of record.

Acronyms Used In Inspection Form

RCP: reinforced concrete pipe

CMP: corrugated metal pipe

PVC: polyvinyl chloride

HDPE: high-density polyethylene

VC: vitrified clay