CITY OF
PEORIA
PUBLIC WORKS

2019 Stormwater Utility Report

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September 2020

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EXECUTIVE SUMMARY

The first complete calendar year of the City of Peoria Stormwater Utility (SWU) was 2019. Chapter 31 of the Code of Peoria was amended on December 5, 2017 to create the SWU for the purpose of funding municipal responsibilities; owning and operating a storm sewer system for the benefit of the community. The storm drainage system consists of a network of pipes and natural channels that provide for the safety and benefit of the community. Peoria Public Works Department employees are tasked with administering the SWU funds on behalf of the community. Table 1 organizes the various activities which are essential to operating Peoria's stormwater utility.

Table 1 Stormwater Utility Activities

Administration		**Asset Management**		**Infrastructure Investment**	
SWU Management	**Permit Compliance**	**Data Management**	**System Maintenance**	**Studies & Planning**	**Capital Investments**
Utility Administration	Public Engagement	GIS Database	Asset Cleaning & Maintenance	Watershed Studies	Project Delivery
Customer Accounts	Pollutant Controls	Inspections and Condition Assessment	Equipment Maintenance	Floodplain Management	Equipment Purchase
SWU Credit Program	Water Quality/TMDL Compliance	Record Drawings	Workforce Development	Community Investment Plan	SWU Grant Program

Operating a successful stormwater management program is contingent upon having the appropriate resources available to deliver the required services. The activities identified in table 1 require person(s) with expertise in mechanical equipment, software systems, engineering, surveying, construction, public administration, finance, communications, and legal matters. All are essential in delivering the stormwater management program. In the past, the City's ability to deliver these services has been limited because funds dedicated to stormwater management have not been available. The newly created stormwater utility provides the City with the financial stability to execute a comprehensive Stormwater Management Program within the Public Works Department that delivers services in the most effective manner.

ENTERPRISE FUND ACCOUNT

The following information is preliminary and not the result of a financial audit.

The SWU account began the 2019 year with a fund balance of **$1,152,837**. 46,367 SWU customers were billed three times per year and 87.6% of the invoiced amount was collected.

Although $1,215,083 of the fees were unpaid, SWU revenues were $9,671,527. The total of annual bills for Peoria public schools, park district and city properties were $673,549. This amount is not included in the SWU invoiced amount or collected revenues.

Administrative expenses were $2,348,297, Maintenance expenses were $2,432,983 and Capital Improvement expenses were $1,749,430.

The SWU closing cash balance for 2019 was **$4,293,654**. The SWU began the 2020 year with an account balance of **$5,508,737** with the inclusion of the Account Receivable balance

Table 2 SWU Revenues and Expenses

	Revenue	Expenses
2018 Fund Balance	$ 1,152,837	
2019 SWU Revenues	$ 9,671,527	
Administrative Expenses		$ 2,348,297
Maintenance Expenses		$ 2,432,983
Capital Improvement Expenses		$ 1,749,430
Accounts Receivable Balance (Unpaid Fees)	$ 1,215,083	
Total		**$ 4,293,654**
2020 Account Balance		
Account Receivable Balance		**$ 5,508,737**

Appendix A provides additional details about the revenues and expenses summarized in Table 2.

ADMINISTRATION

Administrative efforts to manage the City's Stormwater Program require engineering, maintenance, and administrative staff to perform a variety of services. Staff implemented a new financial management system, assisted customers with questions about the billing process, reviewed appeals about the impervious area measurements, processed credit and grant applications, expanded the GIS database with information from maintenance staff and contractors, responded to storm-related problems, managed contractors and consultants, and took steps to create a comprehensive asset management system.

STORMWATER UTILITY MANAGEMENT

Utility administration includes the day-to-day activities to manage the utility including customer service, processing invoices, financial/budget reviews, overseeing work completed by contractors and engineering consultants and cross-departmental coordination. It also includes planning efforts such as identifying projects in the community investment plan, and determining system needs.

CUSTOMER ACCOUNTS

Multiple departments work with customer accounts. Each department has a role to perform in order to provide good customer service.

The Finance Department Accounts Receivable (AR**)** division manages over 43,000 accounts, generating quarterly bills and delinquency notices for past due balances. AR create final bills for the original owner and updates with the new owner information for property deed transfers (property sale). Accounts are also updated when parcels are combined or changed. Additionally, AR assists with questions regarding the stormwater utility bills, updating customer contact information as requested by customers, and guiding customers using the online payment portal. They process refunds for overpayment and work with Public Works on issuing adjustments if needed for customer appeals.

The City Treasurer's office is responsible for the administration and management of the collection, verification, depositing and recording of the stormwater utility fees.

The Public Works Department reviews customer appeals. An appeal is a way for a customer to contact the department if they feel that their bill has an error with the impervious surface map. In 2019, the department received just under 100 appeals. Public Works also maintains an impervious area map where customers can look up the impervious areas that are charged. It is available on the City's peoriastormwater.com website, which is responsible for educating the public about the stormwater utility and why it is needed. Public Works also helps customers with private property drainage issues and offers SWU credit and grant programs if applicable.

STORMWATER UTILITY CREDIT PROGRAM

A credit is an ongoing reduction to the stormwater bill. Credits sunset after 4 years but are renewable. Credits require an annual inspection by the property owner to ensure that the stormwater management systems are in good working order. The credit renewal includes an inspection by technical staff to verify that the systems are functioning. Credit applications received for actions that retain runoff on private property, remove pollutants from the runoff stream, or other innovative ideas that benefit the public drainage system. Of the sixteen applications, one applicant qualified for two credits and another qualified for 3 credits. Credits are not expenditures in the SWU accounting system. The Credit and Grant Manual are available to the public on the website peoriastormwater.com.

VOLUME CONTROL CREDIT

Applications were approved for eight properties. Two different levels of volume control credit are available depending on the volume of water that is captured. Invoices will be reduced by 10% if the 1" rainfall depth is captured and by 25% if the Combined Sewer Overflow (CSO) design storm event of 2.61" of rainfall is captured. These reductions apply to the impervious area that contributes flow to the infiltration basin. Each time Peoria receives 1" of rainfall, the actions of these seven property owners are capturing and removing 219,709 gallons of runoff from the public storm drainage system. A 2.61" rainfall event results in 280,200 gallons of runoff being captured and removed from the public drainage system. 8.1 acres of impervious surface is captured and infiltrated.

WATER QUALITY CREDIT

Credits are also available to property owners that construct and maintain facilities that remove pollutants from runoff that flows into the public drainage system. One property owner was approved to receive a credit for removing at least 80% of suspended solids from runoff generated by 17 acres of private property.

RATE REDUCTION CREDIT

Applications were approved for five properties. One of the sites was approved for a 10% credit because they operate a detention pond that complies with the City's current stormwater management standard to detain runoff from a 25-year rainfall event. Four additional applications were approved because they operate detention ponds that are managing runoff produced by a 100-year rainfall event.

DIRECT DISCHARGE CREDIT

Credits are issued to applicants that demonstrate that their impervious area drains directly to the Illinois River. Six applications were approved in 2019 for 91.4 acres of land that met this requirement.

PERMIT COMPLIANCE

The Clean Water Act (CWA) classifies stormwater runoff as a pollutant to be regulated. The 1989 Amendment to the CWA established the National Pollutant Discharge Elimination System (NPDES) for Municipal Separate Storm Sewer Systems (MS4). Within the State of Illinois, the Illinois Environmental Protection Agency (IEPA) administers the MS4 program and policies. The City manages a stormwater management program under the terms of IEPA Permit Number ILR40 that is effective until February 28, 2021.

The MS4 permit requires the City to develop a storm water management program comprised of best management practices (BMPs) and measurable goals for each of the following six minimum control measures:

1. Public education and outreach on storm water impacts
2. Public involvement and participation
3. Illicit discharge detection and elimination
4. Construction site storm water runoff control
5. Post construction storm water management in new development and redevelopment
6. Pollution prevention/good housekeeping for municipal operations

These six minimum controls can be simplified into public engagement and pollutant controls.

Water quality Testing and Total Maximum Daily Load (TMDL) water quality testing is also required under the permit. The IEPA requires an Annual Facility Inspection Report, reference Appendix B for reporting details. Appendix C Strategy for TMDL Limits in Peoria, contains the TMDL plan. Appendix D MS4 Water Quality Sampling, contains the water quality testing.

PUBLIC ENGAGEMENT

The City has an informational packet named “Our Water, Our Way” related to stormwater education and the stormwater utility that has been used since its creation in 2018. Most of the packets were distributed at neighborhood meetings and public events. The documents are also available on the peoriastormwater.com website. See Appendix E for the flyers.

The City staffed a booth at the Clean Water Celebration, the Party for the Plant and Public Works Open House. Staff presented stormwater information for the University of Illinois Landscape Architecture class and the Peoria County Master Gardeners.

The Peoria Stormwater website is used for public education on stormwater issues as well as to give customers tools to review their impervious area, learn about the appeals process, download the credit and grant manual, and contact City staff.

PERMIT COMPLIANCE CONT.

POLLUTANT CONTROL MEASURES

The Public works contracts with consulting engineers to perform the mapping and dry weather screening required by the IEPA permit. The City investigated five illicit discharge complaints.

The consulting engineer also performs quarterly water sampling. A report of the Separate Storm Sewer System water quality samples is included in Appendix D.

Public works also contracts with consulting engineers to perform construction site runoff control oversight and permit reviews.

The City requires volume control of the first inch of rainfall to comply with the post construction stormwater control requirements.

Public Works staff attend training to learn how to provide good housekeeping for municipal operations.

WATER QUALITY MONITORING TMDL

An audit of the City's compliance with Permit ILR40 terms was performed by IEPA staff in 2018. One of the audit findings directed the City to incorporate strategies that will lead to improved water quality as reported in the Total Maximum Daily Load (TMDL) and Load Reduction Strategies for the Middle Illinois River, dated August 9, 2012 and issued by the Region 5 office of the USEPA. The City engaged a consulting engineer to prepare a plan to implement testing procedures that will guide actions aimed at reducing the volume of bacteria that enters the Illinois River and Kickapoo Creek. The consultant's recommendations are included in Appendix C.

The TMDL testing protocols required for the separate storm sewer system are in addition to testing requirements for the combined sewer system and standard MS4 testing procedures of the Separate Storm Sewer System.

In accordance with permit requirements, Peoria submitted an annual report to the IEPA for the period of March 2019 to March 2020, see Appendix B. The annual reports describe actions taken by the City to fulfill the permit requirements and implement the City's stormwater management program established in the Notice of Intent dated May 26, 2016.

ASSET MANAGEMENT

The City of Peoria has a land area of approximately 48 square miles along the west bank of the Illinois River primarily north of Kickapoo Creek. The stormwater system contains constructed and natural infrastructure that provides for the safety, prosperity, and benefit of the community. The infrastructure system of streets and storm sewers are also referred to as assets of the city. Assets are tangible things of value, such as equipment, facilities, and infrastructure systems. All equipment, facilities and infrastructure require maintenance, repairs, improvement, and eventual replacement.

GIS DATABASE

Storm sewer location, attribute, and condition data is being added to the City's GIS database. This information is and will be used to determine maintenance and capital investment priorities.

INSPECTIONS AND CONDITION ASSESSMENT

The storm sewer condition data collected by televising crews is being added to the City's GIS database. This information is used to determine maintenance and capital investment priorities for storm sewer pipe projects. In the future, the City will expand the asset location mapping and condition assessment to include other storm sewer system assets until staff has all the assets located and assessed.

RECORD DRAWINGS

It is a significant effort to create and manage record also known as "as-built" drawing. Tracking information on what was built is important to have for future maintenance needs, watershed modeling, and to understand what assets were constructed.

SYSTEM MAINTENANCE

The SWU funds were used to maintain and repair the City's storm drainage infrastructure in 2019. Appendix G provides details about the work performed and labor costs reported to these activities.

ASSET CLEANING AND MAINTENANCE

Public Works maintenance crews were very busy in 2019 inspecting and cleaning 25,360 feet of storm sewer pipes. The crews also spent 4,100 hours making repairs to broken and damaged parts of the storm drainage system. City streets were swept seven times during the year, a total of 8,6000 hours, which removed 970 tons of debris and pollution that would have ended up in the storm sewer pipes, streams, and eventually the Illinois River.

SWU funds were also used for mowing and weed control on vacant lots and maintaining green infrastructure on public property.

EQUIPMENT MAINTENANCE

The Public Works crews use street sweepers, work trucks, jetting and vacuuming trucks, excavators, and many more pieces of equipment and tools that are maintained by the department garage staff. Having the right equipment makes it safer and more efficient to complete the work.

WORKFORCE DEVELOPMENT PEORIACORPS

The PeoriaCorps training program focuses on job skills required to maintain green infrastructure as well as communication and time management skills. Green infrastructure is designed to replicate natural conditions to reduce the amount of rainfall that becomes runoff and enters the storm sewer pipes. Seven persons completed the 2019 PeoriaCorps program.

The 2019 class was the third group to complete the AmeriCorps job training program in Peoria. Upon successfully completing the job training program, applicants are eligible and encouraged to take an exam to become certified by the National Green Infrastructure Certification Program. According to the NGICP, one graduate of the 2018 PeoriaCorps class has completed the certification process. Appendix E provides additional details about the 2019 PeoriaCorps program.

MAYOR'S YOUTH PROGRAM

The Mayor's Youth Program is a six-week paid summer program for high school juniors and seniors in the Peoria school systems. The students perform tasks such as, weeding and mulching, litter pick up, tire pick up and other tasks as assigned. On Fridays, students attend career exploration presentations. In 2019, there were 20 student participants.

INFRASTRUCTURE INVESTMENT

STUDIES AND PLANNING

Each year the City prepares a Community Investment Plan that identifies projects, equipment, and engineering studies to be completed in the coming year.

WATERSHED STUDIES

An engineering consultant was retained to investigate and report on the storm drainage runoff conditions and system flow capacity within the Pioneer Industrial Park watershed. The watershed analysis is a capital expense; the study guides drainage decisions as land is re-developed and infrastructure is repaired and replaced.

FLOODPLAIN MANAGEMENT

A public works staff member reviews floodplain permits for work in the floodplain and proposed floodplain map revisions.

PROJECT PLANNING

This activity includes creation of the Community Investment Plan (CIP) each year, identifying the larger projects to be completed in the next five years. Project planning also includes complaint tracking to identify locations that need engineering studies prior to design. Project planning also involves looking at how to fund the projects.

CAPITAL INVESTMENTS

The SWU invested into capital improvements of the city's storm drainage infrastructure. These improvements included projects and equipment purchases as described below. These are described below and are itemized in Appendix A page A-4.

PROJECT DELIVERY

Two construction projects were planned for 2019. The retaining wall reconstruction at Humboldt Avenue and Prospect Road that was budgeted within the Community Investment Plan. Engineering design was completed in 2019 and the project was to be constructed in 2020, due to COVID-19 budget changes, project construction has been delayed. The existing retaining wall will be removed and replaced, a new manhole, and 19 feet of pipe culvert will be installed.

A second project, the Teton Culvert Replacement project, replaced three culverts around Teton Drive. This project was budgeted for 360,000 in the 2019 Community Investment Plan. Construction started in 2019. Most of the construction was completed in 2019 while the seeding and punch list items were completed in 2020.

Appendix H provides additional details about the two capital improvement projects.

The Annual Repair Contract and the Annual lining contract are annual projects that fund unplanned repairs performed by a contractor. The projects are completed on a severity basis. Appendix H provides additional details about the work completed on these projects.

EQUIPMENT PURCHASES

A new street sweeper purchased in 2019 and other smaller equipment purchases were bought with funds from the SWU account.

The SWU account also paid for continued investment in Tyler Technologies software. The enterprise software solution is used to manage the financial accounting process of the SWU and other civic operations.

The Annual Drainage Repair Program has made repairs at sixteen locations throughout the City. The Pipe Lining Contract also funded out of the Annual Drainage Repair Program resulted in 1,655 feet of storm sewer being lined with cured-in-place-pipe lining technologies. Appendix I provides additional reporting details about the Annual Drainage Repair Program.

STORMWATER UTILITY GRANT PROGRAM

The grant program provides investments into best management practices on private property. Four different grant programs are available to property owners that want to take an active role in managing stormwater by installing new stormwater management systems on their property. Applications were received and approved for three of the four grant programs. No applications were received for the Stormwater Infrastructure Investment Grant program. Page A-4 of Appendix A includes the grants as capital investments into the storm drainage system.

RAIN BARREL GRANT

Applications were approved for 46 residential property owners. The SWU account reimbursed these owners that have placed 70 rain barrels in use.

GREEN INFRASTRUCTURE GRANT

Applications were approved for three properties in 2019. Two of those projects were completed and reimbursed once they were completed. The third project is expected to be completed in 2020. All three of these grants funded pervious pavement installations. The two completed projects created 7,940 square feet of pervious pavement that is managing two inches of rainfall: the first inch being the ordinance requirement and the second inch making it eligible for grant funding at $1.00 per square foot of pervious pavement.

PRIVATE PROPERTY DRAINAGE ASSISTANCE GRANT

Applications were approved for 31 properties in 2019. These projects addressed drainage related problems on private property that is caused by runoff from upstream properties. The maximum grant amount per property is $7,500.

STORMWATER INFRASTRUCTURE INVESTMENT GRANTS

No applications were received in 2019 for this grant program. Stormwater Infrastructure Grants Investment Grants are intended for large and complicated projects such as stream restoration and stabilization. Public Works staff has received questions about project eligibility and applications are expected in future years.

APPENDICES

APPENDIX A - SWU FUND BALANCE

Provided By: Peoria PW Department
Report Date: 08/05/2020

Description	Revised Budget	Actual
1/1/2018 Balance	$ -	$ -
2018 Charges for Services		$ 5,288,654
2018 Customer Receivables		$ (2,159,855)
Bond Proceeds		$ 3,128,569
Bond Expense		$ (87,164)
2018 Capital Expenses		$ (2,478,554)
2018 Operating Expenses		$ (2,538,813)
1/1/2019 Balance	**$ -**	**$ 1,152,837**
2019 Revenues	$ 9,200,000	$ 9,671,527
2019 Expenses	$ (7,952,156)	$ (6,530,710)
2019 Accounts Receivable		$ 1,215,083
1/1/2020 Balance	**$ 1,247,844**	**$ 5,508,737**
2020 Projected Revenue	$ 10,218,000	
2020 Expense Budget	$ (9,684,290)	
1/1/2021 Balance	**$ 6,042,447**	
2021 Projected Revenue	$ 12,000,000	
2021 Expenses	$ (8,906,656)	
1/1/2022 Balance	**$ 9,135,791**	

2019 SWU Revenue Statement

Provided By: Peoria PW Department

Report Date: 08/05/2020

Fund Cost Center Number	Account Number	Description	Revised Budget	Received
8013001	453035	SWU Fees	$ 7,200,000	$ 9,316,418
8013001	453036	SWU Application		$ 1,190
8013001	453037	SWU Penalties		$ 339,991
8013001	453038	SWU Billing Credits		$ 18,619
8013001	453039	SWU Adjustments		$ (4,690)
8013001	474010	Interest		
8013001	480701	Optr - Fixed Assets		$ -
8013001	481010	Bond Principal	$ 2,000,000	$ -
			$ 9,200,000	**$ 9,671,527**

2019 SWU Expenditure Summary

Provided By: Peoria PW Department Report

Date: 08/05/2020

Description	Revised Budget	Expended
Staff Payroll & Benefits	$ 3,063,048	$ 2,972,594
Peoria Corps	$ 150,000	$ 212,654
In-House Consultants	$ 173,400	$ 258,819
SWU Fee Collection Services	$ -	$ 58,030
Equipment & Tools	$ 285,150	$ 265,690
Software/Computers/Technology	$ 57,600	$ 550,185
Office Supplies/Services	$ 5,000	$ 97,287
PW Building Renovation	$ 280,000	$ -
Grounds Maintenance	$ 838,000	$ 573,637
Debris Disposal Costs	$ 145,000	$ 129,950
NPDES Permit Actions	$ 225,000	$ 154,705
Watershed Studies	$ 100,000	$ 36,375
Project Capital Improvements	$ 2,242,000	$ 917,240
Maintenance Materials & Services	$ 63,000	$ 58,798
Bond Debt	$ 224,958	$ 144,747
SWU transfer to General Fund	$ 100,000	$ 100,000
Totals	**$ 7,952,156**	**$ 6,530,710**

Administrative Costs	$ 1,980,939
Storm Water Management - CWA	$ 154,705
SWU PW Peoria Corps Totals	$ 212,654
Maintenance Work	$ 2,432,983
Capital Improvement Projects	$ 1,575,214
Planning	$ 36,375
Storm Water Utility Grants	$ 137,842
Totals	**$ 6,530,710**

2019 Community Investment

Provided By: Peoria PW Department

Report Date: 08/05/2020

Fund Cost Center Number	Account Number	Project Number	Description	Revised Budget	Expended
8013001	523655	N1901	Drainage Repair Program	$ 900,000	$ 646,781
	525304	O1800	SWU Enterprise Software	$ -	$ 545,800
8013001	513999	O1901	GIS Aerial Photography	$ 50,000	$ -
8013001	513999	O1902	Humboldt / Prospect Retaining Wall	$ 482,000	$ 18,819
8013001	513999	O1903	Storm Water Management - CWA	$ 225,000	$ 154,705
8013001	513999	O1904	Storm Water Utility Grants	$ 500,000	$ 137,842
8013001	513999	O1905	Teton Drainage Improvement	$ 360,000	$ 113,799
8013001	513999	O1906	Watershed Drainage Analysis	$ 100,000	$ 36,375
8013001	525499	V1903	Fleet Recapture - SWU	$ 250,000	$ 250,015
			Totals	**$ 2,867,000**	**$ 1,904,135**

Capital Improvement Projects	$ 1,575,214
Planning	$ 36,375
Storm Water Management -	$ 154,705
Storm Water Utility Grants	$ 137,842
Total	$ 1,904,135

2019 Expense Report (Unaudited Expenses)

Provided By: Peoria PW Department

Report Date: 08/05/2020

Fund Cost Center Number	Account Number	Description	Revised Budget	Expended
8010000	580101	General	$ 100,000	$ 100,000
8010000	580399	Debt Service	$ 224,958	$ -
8010000	580510	Health Benefits	$ 300,000	$ 300,000
8010000	580601	IMRF	$ 264,323	$ 264,323
8010000	580604	FICA/Medicare	$ 192,395	$ 192,395
8010000	597010	Bond Principal	$ -	
8010000	597020	Bond Interest	$ -	$ 144,747
8010000	**Storm Water Utility Totals**		**$ 1,081,676**	**$ 1,001,465**
8011323	501010	Pay - Regular	$ -	$ 36,151
8011323	501049	Pay - AFSME RHS Benefit Plan	$ -	$ 341
8011323	503920	Postage	$ -	$ 79,298
8011323	504018	Printing/Duplicating	$ -	$ 15,675
8011323	**SWU Finance/Accounts Receivable Totals**		**$ -**	**$ 131,464**
8013001	502001	Pension Expense - ER	$ -	$ 99,841
8013001	502102	Compensated Absences	$ -	$ 20,519
8013001	502120	Net OPEB Obligation	$ -	$ 20,881
8013001	513999	Contract - Other	$ 1,717,000	$ 461,539
8013001	523655	Sewer	$ 900,000	$ 646,781
8013001	525304	Computers	$ -	$ 545,800
8013001	525499	Major Equipment	$ 250,000	$ 250,015
8013001	**SWU Public Works (Capital) Totals**		**$ 2,867,000**	**$ 2,045,376**
8013010	501010	Pay - Regular	$ 143,115	$ 143,398
8013010	501030	Pay - Overtime	$ 1,500	$ -
8013010	501049	Pay - AFSME RHS Benefit Plan	$ 1,387	$ 325
8013010	503920	Postage	$ -	$ 1,637
8013010	504020	Office Supplies / Stationary	$ -	$ 270
8013010	**SWU Public Works Director Totals**		**$ 146,002**	**$ 145,630**
8013022	501010	Pay - Regular	$ 1,148,774	$ 1,097,066
8013022	501012	Pay - Temporary	$ 160,000	$ 165,082
8013022	501030	Pay - Overtime	$ 10,000	$ 127,798
8013022	501035	Pay - Standby	$ -	$ 2,101
8013022	501040	Pay - Longevity	$ -	$ 51
8013022	501049	Pay - AFSME RHS Benefit Plan	$ -	$ 3,906

2019 Expense Report (Unaudited Expenses)

Provided By: Peoria PW Department

Report Date: 08/05/2020

Fund Cost Center Number	Account Number	Description	Revised Budget	Expended
8013022	501055	Pay - Clothing	$ 5,000	$ 7,038
8013022	502001	Pension Expense - ER	$ -	$ 84
8013022	502205	Emp Ben - Injury on Duty DISA	$ -	$ 791
8013022	503306	Heavy Construction Equipment	$ 6,150	$ 9,799
8013022	503606	Manhole Rehab	$ 10,000	$ 6,754
8013022	503608	Sewer Flushing	$ 1,000	$ 461
8013022	503902	Contractual Other	$ -	$ 35,936
8013022	503922	Training	$ 5,000	$ 3,364
8013022	503999	Contract - Other	$ 145,000	$ 129,950
8013022	504404	Bricks	$ 5,000	$ 4,600
8013022	504406	Castings	$ 17,000	$ 19,911
8013022	504410	Concrete	$ 2,500	$ 2,636
8013022	504417	Inlets	$ 10,000	$ 9,031
8013022	504418	Cement	$ 7,500	$ 9,390
8013022	504428	Sewer Pipe	$ 10,000	$ 6,014
8013022	504902	Replacement Tools	$ 4,000	$ 3,526
8013022	504908	Clothing Allowance	$ 4,000	$ 2,949
8013022	**SWU PW Sewer (17 Maint Staff) Totals**		**$ 1,550,924**	**$ 1,648,239**
8013023	501010	Pay - Regular	$ 206,799	$ 147,125
8013023	501012	Pay - Temporary	$ 40,000	$ 40,427
8013023	501030	Pay - Overtime	$ 25,000	$ 18,055
8013023	501035	Pay - Standby	$ 2,750	$ 2,500
8013023	501049	Pay - AFSME RHS Benefit Plan	$ 2,500	$ 283
8013023	501055	Pay - Clothing	$ 800	$ 440
8013023	502205	Emp Ben - Injury on Duty DISA	$ -	$ 502
8013023	503030	Professional Dues	$ 360	$ 514
8013023	503602	Forestry Service	$ 200,000	$ 197,608
8013023	503604	Grounds (mowing)	$ 575,000	$ 346,356
8013023	503633	Tree Replacement	$ 60,000	$ 26,782
8013023	503922	Training	$ 2,000	$ 1,259
8013023	504999	Other Supplies	$ 3,000	$ 2,891
8013023	**SWU PW Forestry (3 Staff) Totals**		**$ 1,118,209**	**$ 784,744**
8013024	501010	Pay - Regular	$ 66,767	$ 67,302
8013024	501030	Pay - Overtime	$ 2,000	$ 5,715
8013024	501049	Pay - AFSME RHS Benefit Plan	$ 7,500	$ 1,552

2019 Expense Report (Unaudited Expenses)

Provided By: Peoria PW Department Report

Date: 08/05/2020

Fund Cost Center Number	Account Number	Description	Revised Budget	Expended
8013024	501090	Pay - Tools	$ 3,500	$ 570
8013024	501092	Pay - Safety Shoes	$ 1,260	$ 200
8013024	502604	Clothing	$ 6,700	$ -
8013024	504104	Diesel Fuel	$ 15,000	$ -
8013024	504134	Heavy Equipment	$ 10,000	$ -
8013024		**SWU PW Fleet (1 staff) Totals**	**$ 112,727**	**$ 75,339**
8013030	503141	Temporary Help	$ -	$ 5,444
8013030	503999	Contract - Other	$ -	$ 22,094
8013030	504008	Engineering Drafting	$ -	$ 0
8013030	504020	Office Supplies / Stationary	$ -	$ 9
8013030		**SWU PW Engineering (Trans) Totals**	**$ -**	**$ 27,548**
8013031	501012	Pay- Temporary	$ 80,000	$ -
8013031	503999	Contract - Other	$ 100,000	$ -
8013031	504999	Other Supplies	$ 100,000	$ -
8013031		**SWU PW Facilities (Bldg. addition) Totals**	**$ 280,000**	**$ -**
8013050	501010	Pay - Regular	$ 433,848	$ 179,521
8013050	501030	Pay - Overtime	$ 5,000	$ 1,080
8013050	501040	Pay - Longevity	$ 4,070	$ 4,112
8013050	501049	Pay - AFSME RHS Benefit Plan	$ 2,500	$ 374
8013050	501060	pay - Auto	$ 4,200	$ 4,232
8013050	503141	Temporary Help	$ 173,400	$ 253,375
8013050	503312	Software	$ 1,600	$ 1,600
8013050	503410	Telephone / Cell Phone	$ 6,000	$ 2,784
8013050	503599	Equipment Repairs	$ -	$ 2,349
8013050	503922	Training	$ 10,000	$ 560
8013050	504008	Engineering Drafting	$ 2,000	$ -
8013050	504018	Printing / Duplicating	$ 2,000	$ -
8013050	504020	Office Supplies / Stationary	$ 1,000	$ 397
8013050		**SWU PW Sustainability Totals**	**$ 645,618**	**$ 450,386**
8013053	501010	Pay - Regular	$ -	$ 135,401
8013053	501012	Pay - Temporary	$ 150,000	$ 72,208
8013053	501049	Pay - AFSME RHS Benefit Plan	$ -	$ 5
8013053	503410	Telephone / Cell Phone	$ -	$ 2,240

2019 Expense Report (Unaudited Expenses)

Provided By: Peoria PW Department

Report Date: 08/05/2020

Fund Cost Center Number	Account Number	Description	Revised Budget	Expended
8013053	503999	Contract - Other	$ -	$ 1,402
8013053	504018	Printing / Duplicating	$ -	$ 28
8013053	504912	Awards / Recognition	$ -	$ 385
8013053	504914	Food & Beverages	$ -	$ 39
8013053	504999	Other Supplies	$ -	$ 946
8013053		**SWU PW Peoria Corps Totals**	**$ 150,000**	**$ 212,654**
8014053	501010	Pay - Regular	$ -	$ 7,687
8014053	503410	Telephone / Cell Phone	$ -	$ 178
8014053		**SWU - Diversity & Inclusion (Pcorps)**	**$ -**	**$ 7,865**
		Totals	**$ 7,952,156**	**$ 6,530,710**

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 0424

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

Name: City of Peoria Mailing Address 1: 3505 N Dries Lane

Mailing Address 2: County: Peoria

City: Peoria State: IL Zip: 61604 Telephone: 309-494-8800

Contact Person: Andrea Klopfenstein Email Address: aklopfenstein@peoriagov.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 Peoria

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	☐	4. Construction Site Runoff Control	☐
2. Public Participation/Involvement	☑	5. Post-Construction Runoff Control	☐
3. Illicit Discharge Detection & Elimination	☑	6. Pollution Prevention/Good Housekeeping	☐

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))

Andrea Klopfenstein — Owner Signature:

05/19/20 — Date:

Andrea Klopfenstein — Printed Name:

City Stormwater Engineer — 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

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.

Attachments to Annual Facility Inspection Report
General NPDES Permit for Discharges
from Small Municipal Separate Storm Sewer Systems (MS4) City of Peoria, IL
Year 4 - March 1, 2019 - February 29, 2020
for Permit #ILR40-0424

Best Management Practices are derived from the Notice Intent for the March 1, 2016 - February 28, 2021 permit.

Attachment A. Changes to Best Management Practices

1. Public Education and Outreach
   - See attachment B.

2. Public Participation/Involvement
   - See attachment B.

3. Illicit Discharge Detection & Elimination
   - See attachment B.

4. Construction Site Runoff Control
   - See attachment B.

5. Post-Construction Runoff Control
   - See attachment B.

6. Pollution Prevention/Good Housekeeping
   - See attachment B.

Attachment B

Status of Compliance with Permit Conditions

The City of Peoria has complied with applicable conditions of its NPDES Phase II Permit for the MS4 system during this reporting period except as noted.

Assessment of Appropriateness of Identified BMP's

At this date, it is the opinion of City staff that the City of Peoria NOI includes Best Management Practices that are effective and appropriate for minimizing stormwater pollution.

Progress Towards a Reduction in Pollutants Discharged

Based on the achievement of measurable goals, it is the opinion of City staff that satisfactory progress has been made towards the goal of reducing the discharge of pollutants to the maximum extent practicable.

Progress Towards Achievement of Measurable Goals Identified for Permit Year 3

The status of progress towards achieving identified measurable goals for each of the minimum control measures is presented below.

BMP A. Public Education and Outreach

A. 1Distribute Paper Material

- The City distributed a handout titled "Rain Gardens". The handout was available at the public works office and community events, approximately 50 distributed and an unknown number downloaded online.

- The City distributed a packet titled "Our Water, Our Way" which includes information on stormwater, combined sewer overflow (CSO) issues, green infrastructure, and pollution reduction. Included in the packets are the "Watershed Moments" which is a CSO timeline, "Investing in Smart Wet Weather Solutions" which contains information on a possible stormwater utility, "Co-Benefits of Green Infrastructure" which describes the additional benefits of green infrastructure, "Path to Stormwater" which describes the path runoff takes to the river, "What is Stormwater Infrastructure?" which describes different components of a storm water system, "Protecting Peoria from Pollution" which describes what individuals can do to help prevent pollution, "Where does it go when it Overflows?" which explains what a CSO system is and finally "Nature's Water Filter, The Rain Garden" which describes what rain gardens are and how they function. Approximately 50 were distributed at meetings, 50 at booth events, and an unknown number downloaded.

- The City distributed the Credit and Grant manual which describes the stormwater utility Credits and Grants available and includes some basic stormwater education. Approximately 12 copies of the manual were distributed, and an unknown number downloaded.

- The City notified developers of NPDES requirements for approximately 31 potential projects, with permits issued for of those 18 projects. Copies of written notification are on file. Information is distributed when projects request information for an erosion control permit.

A.6 Other Public Education (also labeled as A4.2)

- March 13, 2019 Presentation on stormwater issues to the University of Illinois Landscaper Architecture class. Approximately 30 attendees.

- April 28, 2019 hosted a Storm Water/Rain Garden booth at the "Party for The Planet" event held at the Peoria Zoo with an attendance of approximately 250 people. The City distributed approximately 100 seed packets, and stormwater handouts were available. This event is targeted toward families.

- April 29, 2019, hosted a Storm Water booth for the "Clean Water Celebration" at the Peoria Civic Center with an attendance of approximately 2,000 people. The City distributed approximately 300 seed packets, and stormwater handouts were available. This event is targeted towards school groups.

- May 23, 2019 hosted a booth at Peoria Public Works Open house with an attendance of approximately 300 people. The City distributed approximately 100 seed packets, and stormwater handouts were available. This event is targeted toward families.

- July 19, 2019 Presentation on Green infrastructure the City is doing on current projects to the Peoria Count Master Gardener's group. Approximately 25 attendees

- The city maintains the PeoriaStormwater.com website which has educational materials on stormwater related topics.

A Additional BMP completed

- The City's Mayor's Youth Program performed maintenance of some stormwater planters, and placing mulch, they also participated in neighborhood cleanups (litter pickup). There were approximately 20 student workers.

- Peoria Corps is a program intended for disadvantaged persons and is a group of 7-10 people for each cohort. The PeoriaCorps members were taught job training for maintenance of green infrastructure and maintained the public works rain garden, the Washington Street planter boxes

BMP B. Public Participation/Involvement

B.3 Stakeholder Meeting

- March 13, 2019 Presentation on stormwater issues to the University of Illinois Landscaper Architecture class. Approximately 30 attendees.
- July 19, 2019 Presentation on Green infrastructure the City is doing on current projects to the Peoria Count Master Gardener's group. Approximately 25 attendees

B.3.2 Environmental Justice

- We did not complete the meeting within this permit year. We intend to complete it in the next few years and hope to tie it into a meeting with the Combined Sewer Overflow. We have identified the environmental justice areas using the Environmental Protection Agency's EJSCREEN tool. The environmental justice areas in Peoria are mostly in the City's CSO area. There are a couple of environmental justice areas north of Nebraska and east of I 74 that are in the MS4 Area.

B.8 Other Public Involvement

- The City continues to sponsor and fund a private property drainage program to address erosion and flooding on private property. Twenty-nine (29) private property owners were approved to use this program during the reporting period.
- The City started funding the rain barrel grant program in January 2019. The grant funds $50 per 55 gallon or larger rain barrels up to two per property. During the reporting period, 70 rain barrels for 46 properties were funded with this program.
- The City started funding the Green Infrastructure grant program in January 2019. Three projects were approved during the reporting period.
- The City funded the Great American Clean Up, April 27th, 2019 in several neighborhoods throughout the City, providing dumpsters for trash and landscape debris collected by volunteers.
- The City supports the Mayor's litter Commission which is a litter pickup group with approximately 100 people.
- According to PubWorks 215 calls were logged in the reporting period related to drainage or stormwater utility issues

B Additional BMP completed

- Continued to use inlet grates with language "Dump no waste. Drains to River". Stamped grates are installed in new subdivisions and inlets that are replaced.

BMP C. Illicit Discharge Detection & Elimination C.1

Sewer Map Preparation Develop

- The City continues to work on developing a GIS map of the storm water system. Some additional GIS map elements were mapped in the reporting period. A total of 33 square miles of the City has been mapped, with 130 miles of pipe, 562 outfalls, and 9,229 storm sewer structures mapped through this effort.
- Stormwater outfall AutoCAD map completed in 2007; map on file.

C.2 Regulatory Control Program

- The City continued enforcing existing illicit discharge ordinances. We are currently working with other departments to identify additional policies, procedures and ordinance changes that may be necessary for Public Works staff to enforce city ordinances. This is an ongoing process. If ordinance changes are required, they would require City Council approval which could extend our expected timeline. The City recognizes that enforcement of the stormwater ordinances needs to be strengthened. This is a major change for the city that will require possible ordinance changes, procedural changes, and staff from multiple departments to support it.

C.4 Illicit Discharge Tracing Procedures

- The City continues to use PubWorks software to aid in tracking complaints at the City. Complaints and evaluations are recorded. Records on file. Below are the illicit discharges that were reported to Public Work during the reporting period.

- May 5, 2019 a letter was sent to the neighborhood around E Shady Oak Drive about an illicit discharge found in the creek.

- June 2, 2019 an illicit discharge was reported by the Peoria Park District. The Park district reported to the IEPA and cleaned up the spill.

- June 3, 2019 a complaint about not using the stormwater pollution prevention plan was sent to the IEPA about the Northmoor Road project. The consultant overseeing the project responded that erosion controls are in place and functioning and that inspections are up to date.

- June 26, 2019 a leak of hydraulic oil occurred at Peoria Public Works Facility, 3505 N Dries lane. Public Works cleaned up the spill.

- July 29, 2019 a letter was sent to the owner of an auto maintenance facility at 2723 N Victoria about an illicit discharge found in their neighborhood

C.7 Perform dry weather screening outfall inspections

- Outfalls were screened as part of the GIS mapping project. Screening of outfalls helps to identify illicit discharges.
- City operation staff continued inlet inspections and performed routine maintenance and repair.

C.9 Public Notification

- The City created and distributed a packet titled "Our Water, Our Way" which includes information on stormwater, combined sewer overflow (CSO) issues, green infrastructure, and pollution reduction. Included in the packets are the "Watershed Moments" which is a CSO timeline, "Investing in Smart Wet Weather Solutions" which contains information on a possible stormwater utility, "Co-Benefits of Green Infrastructure" which describes the additional benefits of green infrastructure, "Path to Stormwater" which describes the path runoff takes to the river, "What is Stormwater Infrastructure?" which describes different components of a storm water system, "Protecting Peoria from Pollution" which describes what individuals can do to help prevent pollution, "Where does it go when it Overflows?" which explains what a CSO system is and finally "Nature's Water Filter, The Rain Garden" which describes what rain gardens and how they function. Approximately 50 were distributed at meetings, 50 at booth events, and an unknown number downloaded.
- The city maintains the PeoriaStormwater.com website, Learn the Issues section/Pollution Overview, which has educational materials on stormwater related topics.

C.10 Other Illicit Discharge Controls

- The City continues to use PubWorks software to aid in tracking complaints at the City. Complaints and evaluations are recorded. Record on file. Complaints such as illicit discharges and illegal dumping are recorded and addressed.

BMP D. Construction Site Runoff Control

D.1 Regulatory Control Program

- The City uses a consultant to review projects during construction on a complaint basis to enforce the erosion and stormwater control ordinance that is on file.

D4. Site Plan Review Procedure

- By Ordinance, the City required Erosion and Sediment Control Permits for projects meeting the guidelines. The City continued to review site plans for compliance with City ordinance requirements.

D.5 Public Information Handling Procedures

- PubWorks software is used to track complaints at the City. Complaints and evaluations are recorded. Record on file. The public can call in, email or use the Peoria Cares App to document a complaint.

BMP E. Post-Construction Runoff Control

E.2 Regulatory Control Program

- The City continued enforcing the erosion and stormwater control ordinance that is on file. Currently the City is only reviewing enforcements by complaint.
- The city

E.6 Post construction Inspections

- Due to staff reductions, post construction BMP inspection are performed by complaint only. City staff or a consultant are used to investigate complaints on private construction projects. City staff and/or consultants investigate complaints on City projects.

E.7 Other Post Construction Runoff Controls

- The City is looking at ways of incorporating green infrastructure on as many projects as feasible to address stormwater volume, velocity and water pollution.

- May 1-3, 2019 approximately 30 City employees attended the APWA conference at the Peoria Civic Center. Various NPDES topics were covered in sessions and many related vendors were present with displays.

E7.1 Develop and implement policies to minimize the volume of runoff and pollutants

- The City adopted the volume control ordinance in 2016 effective January 1, 2017. The volume control ordinance requires that projects that disturb over 5,000 sf provide volume control practices to control the first inch of runoff from the impervious area of development on the site.

E7.2 Develop and implement a process to assess the water quality impacts in the design of all new and existing flood management projects

- In 2018 the City hired a consultant to put together a water quality monitoring plan. The consultant took the first set of quarterly samples on February 6, 2019. The 2019 data is posted on our website. The city is working on setting up TMDL sampling in the future, as resources allows.

BMP F. Pollution Prevention/Good Housekeeping

F.1 Employee Training Program

- April 8-10, 2019, 4 employees attended the ICAT conference in East Peoria. The conference has speakers as well as displays set up by vendors.

- May 1-3, 2019 approximately 30 City employees attended the APWA conference at the Peoria Civic Center. Various NPDES topics were covered in sessions and many related vendors were present with displays.

- August 28, 2019 PW staff attended Central Illinois Flood Preparedness and Response Workshop. The training was provided by the Army Corps of Engineers staff. The training included technical information with logistics and resources topics.

- Training specifically for contractors was not completed by the City of Peoria. Some contractor attended the APWA conference. Consultants attended the ICAT, APWA and Central Illinois Flood Preparedness training sessions.

F1.1 Develop and provide annual employee training

- Additional training material and topics will be covered in future years. The City was on the American Public Works Association (APWA) local chapter conference committee helping to line up speakers on stormwater issues for the May 2020 conference. The conference was canceled due to COVID-19.

F.3 Municipal Operations Storm Water Control

- The City will review policies and procedures to minimize the discharge of pollutants from municipal properties, infrastructure and operations in the future.

F.6 Other Municipal Operations Controls

AThe City will continue to store deicing materials in permanent or temporary structures or under tarps and as far from storm drains as possible.

Attachment C. Results of Information Collected and Analyzed, Including Monitoring Data

- In 2018 the City hired a consultant to put together a water quality monitoring plan. The consultant took the first set of quarterly samples on February 6, 2019. The 2019 sampling report is available on the peoriastormwater.com website. The city is working on setting up TMDL sampling in the future, as resources allows.

- We have installed green infrastructure BMPs for the Adams St Pilot project and will have monitors in place. We also have been creating maps of green infrastructure BMPs.

- Please note that the City Fire Department has jurisdiction over and documentation responsibility for hazardous material spills.

- See section C4 for the illicit discharges that were reported and investigated.

Attachment D. Summary of Stormwater Activities Planned by the City of Peoria During the Next Reporting Cycle Year 5 March 1, 2020 – February 28, 2021

BMP A. Public Education and Outreach

- Continue program.
- Distribute stormwater educational materials.
- Hold one presentation

BMP B. Public Participation/Involvement

- Continue program.
- Hold stakeholders meeting including environmental justice.
- Support Great American Cleanup

BMP C. Illicit Discharge Detection & Elimination

- Continue program.
- Develop prioritization plan for dry weather screening.
- Continue GIS mapping of storm sewer system.
- Review current illicit discharge ordinances.
- Distribute public education materials.

BMP D. Construction Site Runoff Control

- Continue program.
- Continue reviewing projects and issuing Erosion and Sediment Control Permits
- Review current erosion and sediment control ordinances.

BMP E. Post-Construction Runoff Control

- Continue program.
- Develop a process to assess the water quality impacts in the design of all new and existing flood management projects.

BMP F. Pollution Prevention/Good Housekeeping

- Continue program.
- Update policies and procedures to minimize the discharge of pollutants from municipal properties, infrastructure and operations.
- Develop additional training materials for employees and contractors.

Results of Information of Collected and Analyzed, Including Monitoring Data

- In 2018 the City hired a consultant to put together a water quality monitoring plan. The consultant took the first set of quarterly samples on February 6, 2019. The 2019 sampling report is available on the peoriastormwater.com website. The city is working on setting up TMDL sampling in the future, as resources allows.

Attachment E. Notice of Reliance on Another Government Entity

The City of Peoria is not relying on another government entity to formally satisfy permit obligations.

Attachment F. Construction Projects Funded by the City of Peoria and covered by General Permit ILR400424:

Community Investment Plan (CIP) Projects:

- Sidewalk programs- various locations (multiple sites less than 1 ac each)
- Greater Peoria Sanitary District (GPSD) Capital Sewer Maintenance (multiple sites less than 1 ac each)
- North University Street (Pioneer Parkway to Townline Road)
- MacArthur Highway Bridge
- Northmoor Road (Allen to University)
- Sheridan Road Overlay (Loucks to Florence)
- 2019 Sealcoating project (multiple sites less than 1 ac each)
- Concrete Repair Contract (multiple sites less than 1 ac each)
- Teton Neighborhood Culverts Replacement
- Oak Cliff Court Culverts Replacement

Prepared by:
Department of Public Works
Sustainability Division
3505 N. Dries Lane
Peoria, IL 61604
May 2020

Annual Storm Sewer Repair Projects (Sites less than 1 ac each)
N Jamestown Rd
W Ravinwoods Rd
N Post Oak Rd
N Clarewood Ave
2021 N Clarewood Ave
Lake & Sheridan-
N Timber Cir
W Marlene Ave
N Boulevard Ave
N Sommer St
NW Teton Dr/N University St
W West Aire Ave
N Fox Point Dr
N Mansfield Dr
near Wilcox & Isabell
NW of Sheridan & Glen

Property Program 29 completed (Sites Less Than 1 ac Each)				
PIN	House #	Direction	Street Name	Suffix
1426128001	4025	N	Harmon	Ave
1426128003	2321	E	Bishop	Ave
1426103001	4700	N	Grandview	Dr
1310328004	7006	N	Ironwood	Dr
1417304013	5817	N	Graceland	Dr
1408306012	1729	W	Willow Wood	Dr
1312426013	3217	W	Chadwick	Ln
1409479007	767	E	High Point	Ter
1417305024	6003	N	Rosemead	Dr
1421258050	5200	N	Knoxville	Ave
1419228016	1915	W	White Oak	Dr
930229002			detention basin	
1314226006	4507	W	Knob Oak	Dr
929356001	1716	W	Geneva	
1312428004	3210	W	Forsythe	Rd
1313106037	4005		Carousel	Ln
930331030	2622	W	Stonehenge	
825201009	11331	N	Stone Creek	Dr
1418478010	5626	N	Renwood	Ave
1428206010	4006	N	Brookridge	Pl
1421377018	333	W	Stonegate	Pl
920477006	709	W	Bridgetowne	Ct
825201010	11325	N	Stone Creek	Dr
825201011	11319	N	Stone Creek	Dr
930479021	2017	W	Casecreek	Dr
930227001	2208	W	Brooklyn	Pl
930479015	1913	W	Casecreek	Dr
930479014	1915	W	Casecreek	Dr
930479013	1919	W	Casecreek	Dr
1428331017	107	W	Merle	Ln

APPENDIX C - STRATEGY FOR TMDL LIMITS IN PEORIA

The City of Peoria's Stormwater Management Plan (SWMP) will need to be modified to incorporate strategies that will lead to improved water quality as reported in the Total Maximum Daily Load (TMDL) and Load Reduction Strategies for the Middle Illinois River that is dated August 9, 2012 and was issued by the Region 5 office of the USEPA. The TMDL establishes goals for reducing overall pollutant loads flowing to the river from the various discharges. Discharges include permitted discharges (point sources) and non-point sources. The TMDL incorporates discharges from all areas within the watershed and identifies the various pollutants of concern (e.g., bacteria (fecal coliform), phosphorus, TSS, TDS, etc.). Calculations were performed for each pollutant of concern to identify the respective maximum loading to the river that does not violate water quality standards, i.e., the TMDL. Each TMDL is the sum of the waste load allocation (WLA) plus load allocation (LA) and margin of safety (MOS). WLA's are regulated sources, such as treatment plant discharges and municipal separate storm sewer system (MS4) discharges. MS4 WLA is based on the area of the regulated community. LA's are unregulated sources such as natural background levels of pollutants. MOS accounts for uncertainties between pollutant loading and receiving water quality.

TMDL = □WLA + □LA + MOS

The Middle Illinois River watershed is broken down into watershed clusters in the report. The two watershed clusters impacted by Peoria are the Illinois River and Kickapoo Creek. Stormwater runoff from the City of Peoria is authorized under the general NPDES permit ILR40 as a MS4.

Section 5.4 of the TMDL report discusses the Illinois River at Peoria Intake (site D-30) and determines no Bacteria reductions are needed. Section 5.5 of the TMDL report discusses the Illinois River at Pekin (Site D-05) and determines bacteria must be reduced based on the TMDL calculations. Table 5-18 summarizes the reductions needed from all the MS4s for site D-05: 4,447 Giga-organisms/day under high flow conditions and lower amounts under lower flow conditions. Section 8 of the TMDL report discusses the Kickapoo Creek at Bartonville (Site DL-01) and concludes bacteria must be reduced based on the TMDL calculations. Table 8-5 summarizes the reductions needed from all the MS4s for site DL- 01: 1,628 Giga-Organisms/day under high flow conditions and lower amounts under lesser flow conditions. These maximum loadings are a gross amount attributable to the MS4's from the Illinois River and Kickapoo Creek and is not broken down into individual MS4s.

Fecal coliform water quality standard or limit is 400 cfu/100 mL and is considered constant across all flow conditions.

Table A-2 in Appendix A lists MS4 fecal coliform Waste Load Allocations. Numbers in this table are the targets to attain from the respective dischargers. Peoria's bacteria load target is 981 Giga organisms/day for high flows, 618 for moist conditions, etc. It is unclear what the existing fecal bacteria load is from Peoria since this level of detail is not available in Tables 5-18 or 8-5. The City may have to perform its own bacteria loading calculations to establish a starting point.
It is not clear where the fecal coliform is coming from within the corporate limits of Peoria's MS4. Bacteria reductions should be targeted in the Kickapoo Creek watershed cluster, particularly from the Dry Run Creek and Big Hollow Creek Tributaries. An *Urban Water Resources Research Council* report,

"Pathogens in Urban Stormwater Systems" identifies three priorities of Fecal Indicator Bacteria (FIB) that may be helpful in getting started:

1. Human FIB sources: leaky sewer pipes, sanitary sewer overflows, combined sewer overflows

2. Non-human FIB sources: pet waste, fertilizers, trash and dumpster leaks

3. Other FIB sources: urban wildlife, plants, soils and decaying organic matter

Peoria's land use, zoning, and sewer system information can be used to assess potential FIB sources within the Kickapoo Creek watershed and corporate limits of Peoria.
Prioritization of potential FIB sources should be:

1. Human:
    a. Sanitary sewer overflows
    b. Leaking sanitary sewers
    c. Failing septic systems / unsewered areas / private wastewater systems
    d. Illicit discharge into the storm sewers
2. Non-human:
    a. Improper pet waste disposal
    b. Improper trash disposal
    c. Misuse of fertilizers
    d. Dumpster leakage due to poor maintenance
3. Other:
    a. Urban wildlife, such as geese
    b. Decaying plant matter, such as landscape waste and grass clippings
    c. Erosion of exposed soils and sediment deposition

The only way to understand the FIB sources is to sample stormwater runoff. Sampling should be performed at select locations where potential fecal coliform sources may exist and to confirm fecal coliform is in Peoria's stormwater discharges. This process will be somewhat of a trial and error process since potential sources are unknown at this time. The initial round of sampling results should be reviewed, decisions made as to whether sampling should continue at each location, moved upstream or downstream or moved to a different sub-watershed.

From the six minimum control measures, the following measures should be evaluated to begin addressing the fecal coliform TMDL for the Kickapoo Creek watershed cluster:

1. Public Education and Outreach:
    a. Review the existing animal waste ordinance effectiveness (Section 4-21)
    b. Review existing litter ordinance effectiveness (Chapter 13 – Article II)
    c. Review the existing property maintenance code effectiveness (Chapter 5 – Article III)
3. Illicit Discharge Detection and Elimination:
    a. Review existing illicit discharge ordinances and effectiveness
    b. Identify any potential un-documented industrial discharges
    c. Request a list of industrial dischargers within the corporate limits from GPSD to contact regarding potential for fecal coliform
4. Post-Construction Runoff Control:
    a. Perform routine inspections of potential erosion sites and sample outfalls.
    b. Post construction inspections. Target storm water management ponds that are frequented by geese and inspect regularly and sample pond discharge to assess fecal coliform presence.
6. Pollution Prevention / Good Housekeeping:
    a. Achieve street sweeping cycle of 4 times/year

b. Achieve inlet cleaning cycle of 6 years
c. Achieve storm sewer cleaning cycle of 9 years
d. Perform an assessment of all municipally owned facilities: this could include the public works facilities, maintenance/material storage yards and other municipally owned buildings such as fire stations, parking garages, open space and fleet maintenance.
e. If septic systems are still in use, assess performance
f. Do any unsewered areas not have septic systems?
g. Work with GPSD to assess the potential for SSOs and leaking sanitary sewers

Foth

2314 West Altorfer Drive
Peoria, IL 61615
(309) 691-5300 • Fax: (309) 691-1892
www.foth.com

January 31, 2020

Andrea Klopenstein, P.E.
Assistant Director, Storm Water Engineer
City of Peoria Public Works Department
3505 N. Dries Ln
Peoria, IL 61604

Dear Ms. Klopenstein:

RE: Review of Storm Water Samples Collected for the Separate Storm Sewer System (MS4) Permit for the calendar year 2019.

The following is a summary report for storm water samples collected in 2019 from sample points P1 through P4. Include in this summary report are:

- Goals of the MS4 Permit, Sample Point Location and Descriptions
- Summary of Procedures Utilized to Collect Storm Water Samples
- Figure showing Sample Point Locations
- Analytical Data Summary Including Trends and Potential Areas of Concern
- Laboratory Analytical Data

Four sample locations (P1 through P4) were selected that would be representative of runoff from storm events, to meet requirements of the MS4 Permit and determine whether surface water quality is improving, remaining stable, or decreasing. The sample point locations are located outside of the known Combined Sewer System (CSO) system and should be only storm water flowing within the City of Peoria boundaries. Sampling point 1 is located the farthest to the north and encompasses a mix of residential, industrial and commercial properties. Sampling point 2 covers the northwest and some of the middle parts of the city with a mix of residential, commercial and industrial properties. Sampling point 3 is a mix of residential and commercial properties, and sample point 4 encompasses the eastern part of the city and is predominately residential. The four sample point locations are shown on attached Figure 1.

Per General NPDES Permit ILR40, storm water samples must be collected within 48 hours of a precipitation event greater than or equal to one quarter inch of precipitation in a 24 hour period. Only one Storm water sample per location is required to be collected per quarter. If there is insufficient precipitation during a quarter, storm water samples would not be collected. Storm water samples were collected every quarter in 2019 beginning with the first set of samples collected on February 6, 2019. All four locations

were sampled on the same day. Storm water samples were grab samples and were collected directly from the stream. Flow rate is not factored in sample collection as flow monitoring devices are not installed at the sampling point. Field observation sheets noting precipitation amount, weather conditions, sample appearance, etc. were completed at each sampling point every quarter, and are attached in Appendix A. There were no observed factors that appeared to bias sample results. Some of those factors (if present) could be sheens, discoloration, smell, animal carcass/feces, etc. The parameters analyzed are required under General NPDES Permit ILR40 Part V.(A)(2)(c) and are shown in the attached Tables 1 through 4 and graphically in Figures 2 through 8. A graph was not generated for the parameter grease and oil because concentration levels were less than the laboratory reporting limit (not detected). As shown in the figures, the sample locations exhibited similar trends from quarter to quarter. The majority of the highest concentrations reported at each sampling point occurred during the 2nd quarter sampling event, which also had the highest recorded precipitation prior to sampling. As shown in Figure 8, the fecal coliform concentration was consistent across all four sampling points in 2019. The only exception was the 2nd quarter 2019 concentration reported at sample point 4, located near the CSO boundaries (N. Sheridan Rd. and Richmond Ave.) The fecal coliform concentration at sample point 4 returned to levels consistent with the other sampling points for the following 3rd and 4rd quarter samples. The fecal coliform concentration at all sampling points will be closely monitored in 2020 and potential sources will be investigated.

2019 was the first year of sampling and during the next couple of years, baseline concentrations for the individual sampling points will be determined. Analytical parameters will be analyzed looking for trends, in particular, the fecal coliform concentration. Future analytical results will be compared to these baseline values to determine whether surface water quality is improving, remaining stable, or decreasing.

Sincerely,
Foth Infrastructure & Environment, LLC

Joshua C. Gabehart, P.E.
Lead Environmental Engineer
Licensed in IL, IA, AR, GA

Mark A. Williams
Lead Environmental Scientist

Figure 1 - Map of Sample Point Locations

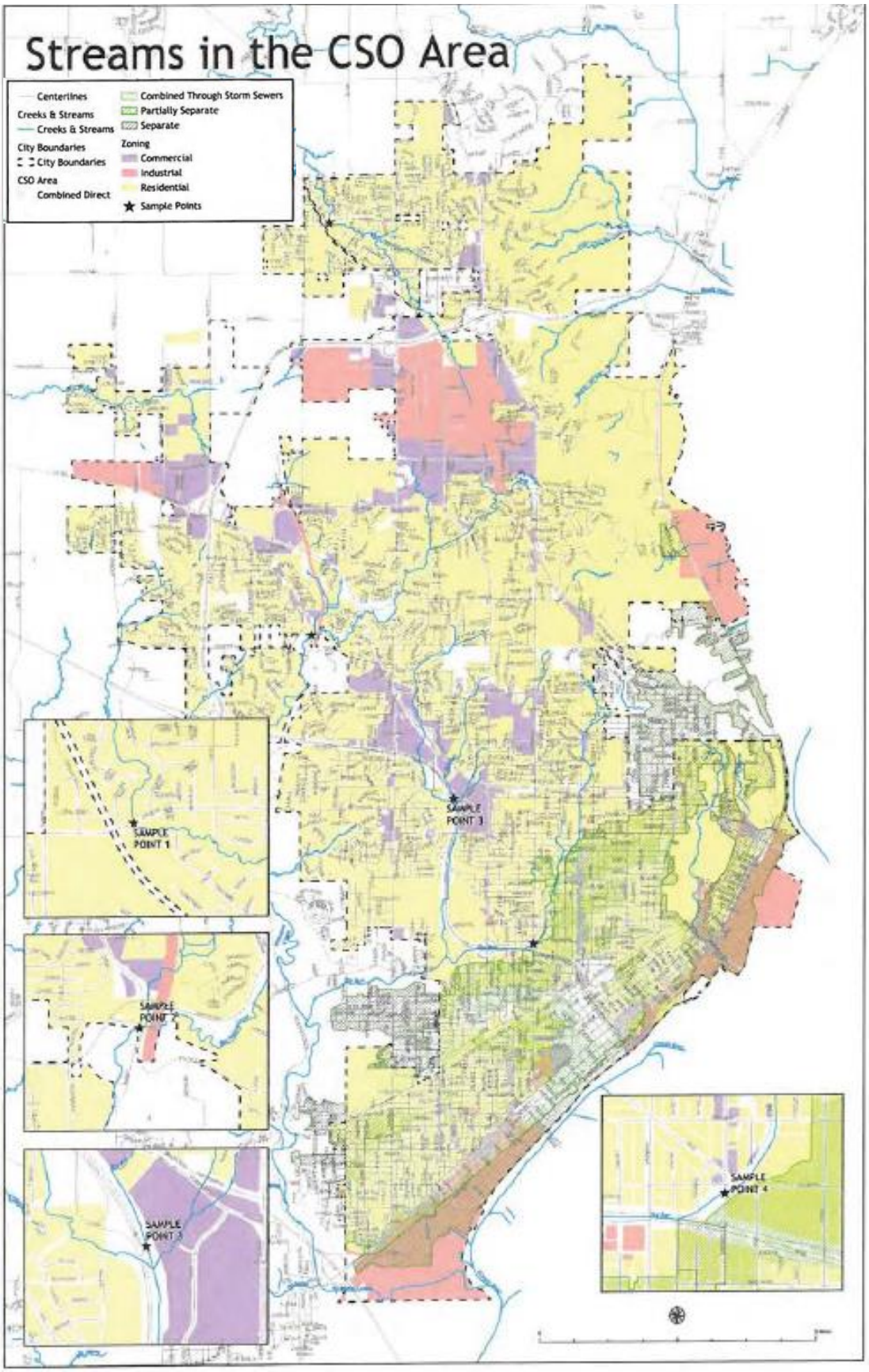
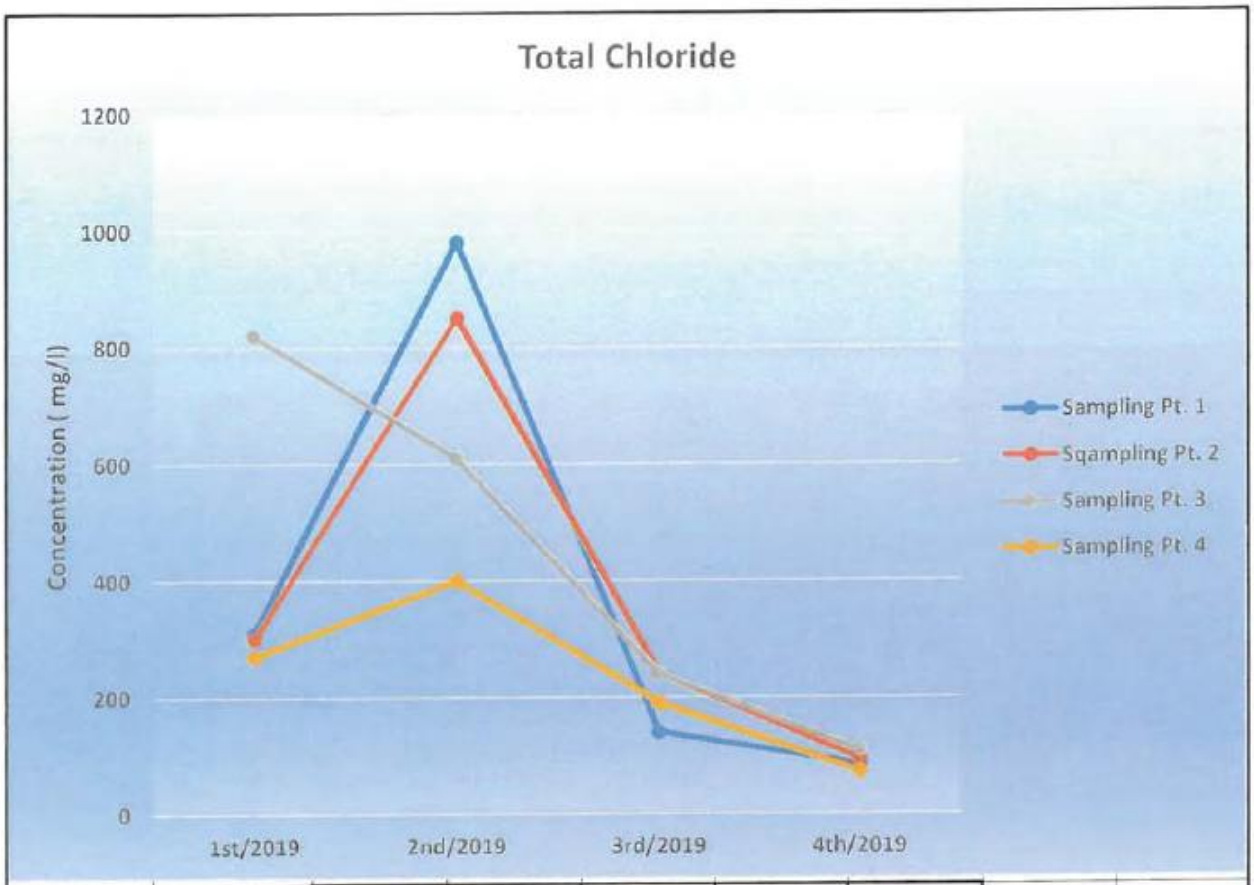
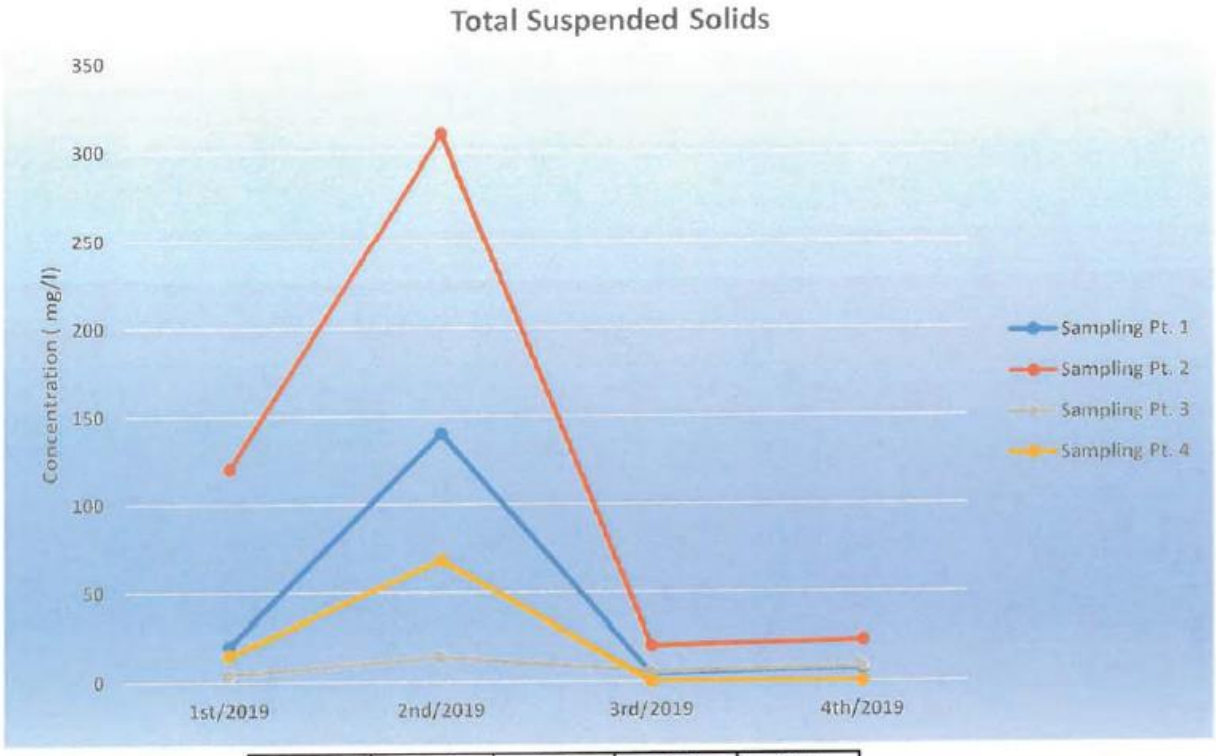


Figure 2 - Total Chloride Concentration Graph 1Q19-4Q19



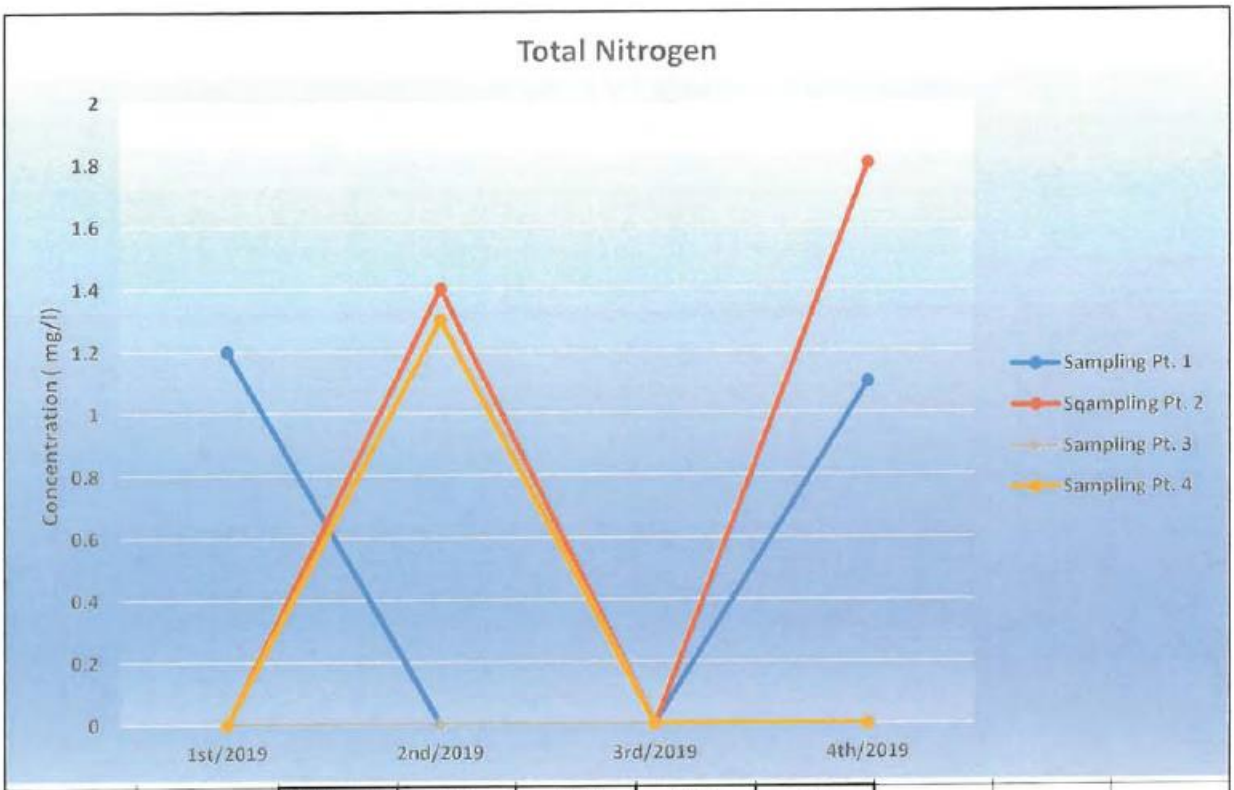
Chloride	Pt 1	Pt 2	Pt 3	Pt 4
1st/2019	310	300	820	270
2nd/2019	980	850	610	400
3rd/2019	140	240	240	190
4th/2019	85	94	110	72

Figure 3 – Total Suspended Solids Concertation Graph 1Q19-4Q19



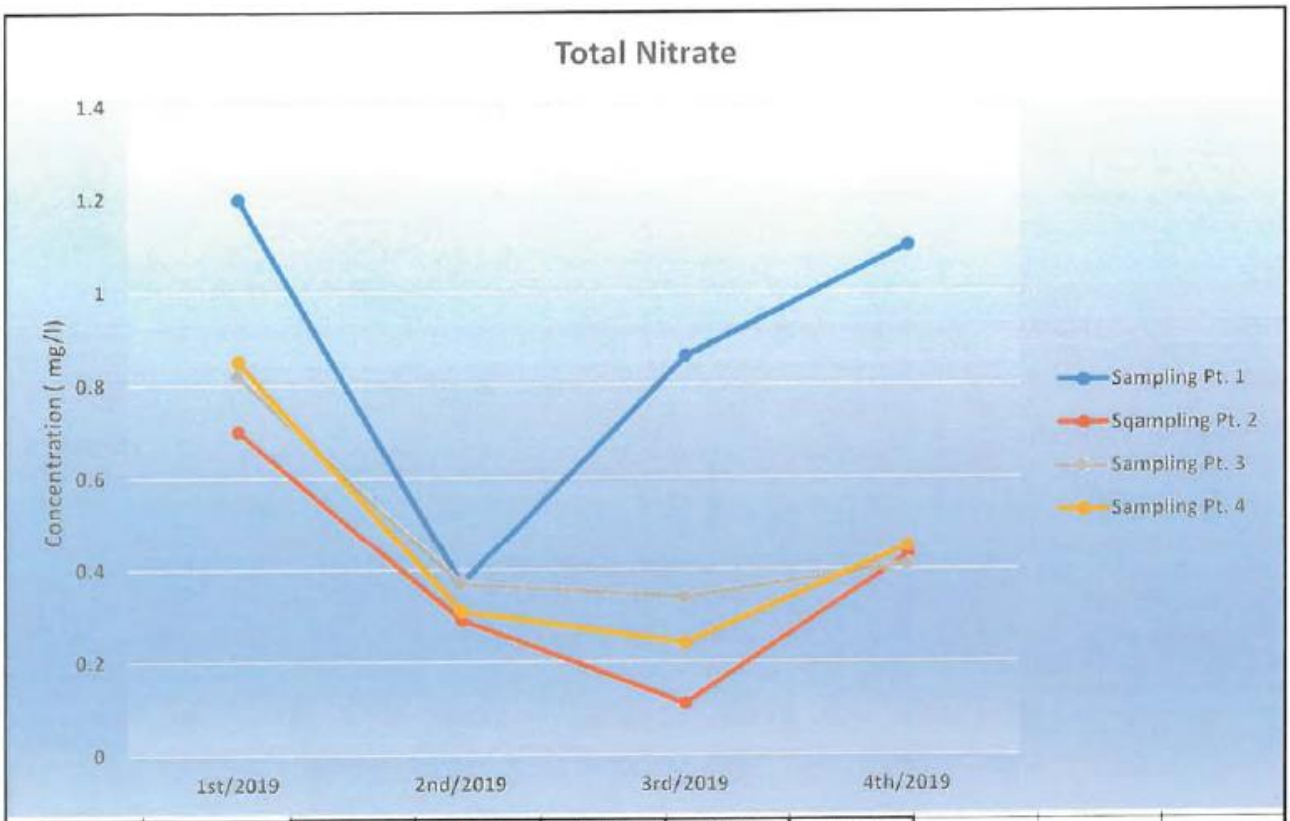
TSS	Pt 1	Pt 2	Pt 3	Pt 4
1st/2019	20	120	4	15
2nd/2019	140	310	14	68
3rd/2019	4.4	20	5.6	<4
4th/2019	7.2	23	8.4	<4

Figure 4 - Total Nitrogen Concentration Graph 1Q19-4Q19



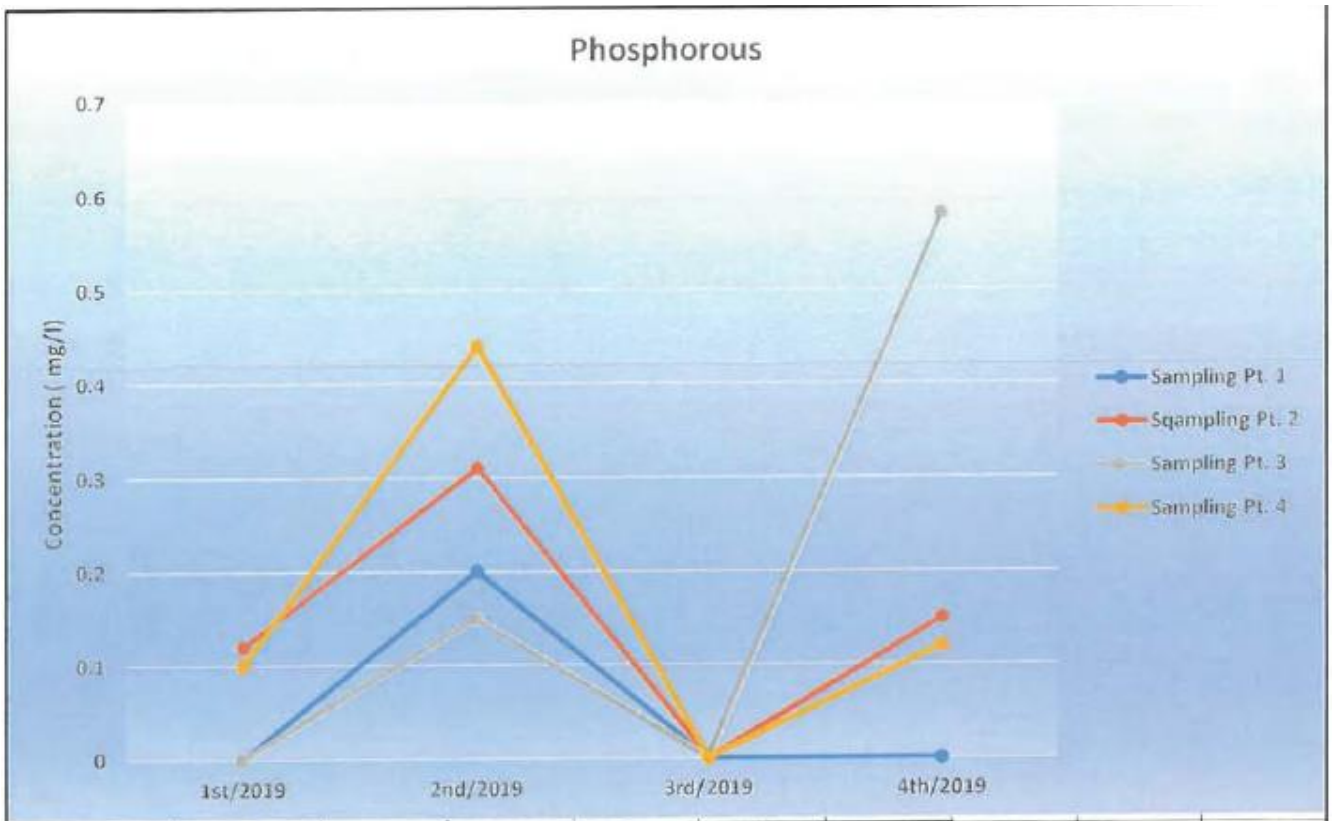
Nitrogen	Pt 1	Pt 2	Pt 3	Pt 4
1st/2019	1.2	<1.0	<1.0	<1.0
2nd/2019	<1.0	1.4	<1.0	1.3
3rd/2019	<1.0	<1.0	<1.0	<1.0
4th/2019	1.1	1.8	<1	<1

Figure 5 - Total Nitrate 1Q19-4Q19



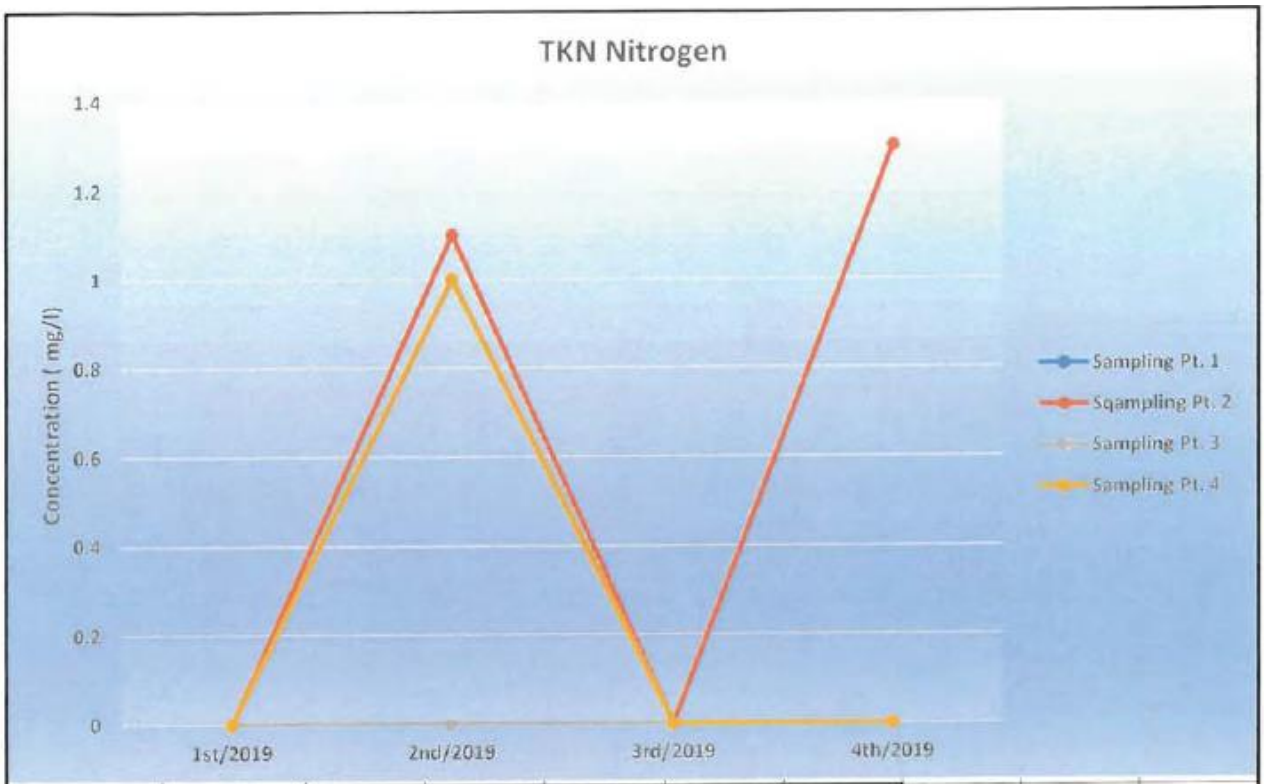
Nitrate	Pt 1	Pt 2	Pt 3	Pt 4
1st/2019	1.2	0.7	0.82	0.85
2nd/2019	0.37	0.29	0.37	0.31
3rd/2019	0.86	0.11	0.34	0.24
4th/2019	1.1	0.43	0.41	0.45

Figure 6 - Total Phosphorous 1Q19-4Q19



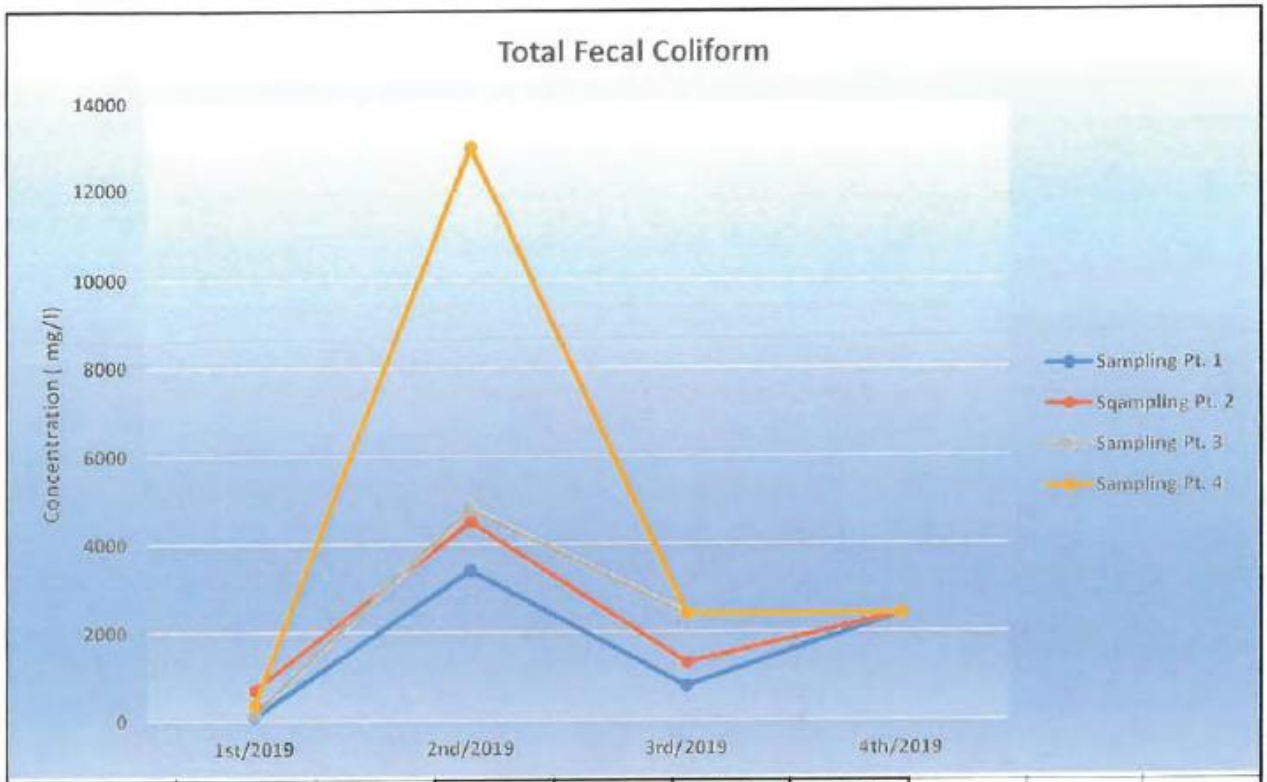
Phosphorous	Pt 1	Pt 2	Pt 3	Pt 4
1st/2019	<0.10	0.12	<0.1	0.1
2nd/2019	0.2	0.31	0.15	0.44
3rd/2019	<0.1	<0.1	<0.1	<0.1
4th/2019	<0.1	0.15	0.58	0.12

Figure 7 - TKN Ammonia 1Q19-4Q19



TKN	Pt 1	Pt 2	Pt 3	Pt 4
1st/2019	<1.0	<1.0	<1.0	<1.0
2nd/2019	1	1.1	<1.0	1
3rd/2019	<1	<1.0	<1.0	<1.0
4th/2019	<1	1.3	<1	<1

Figure 8 Total Fecal Coliform 1Q19-4Q19



Fecal Coliform	Pt 1	Pt 2	Pt 3	Pt 4
1st/2019	81	700	140	350
2nd/2019	3400	4500	4800	13000
3rd/2019	770	1300	2420	2420
4th/2019	2420	2420	2420	2420

Table 1 - Sample Point 1 Analytical Results from 1Q19-4Q19

Parameters	Units	1Q2019	2Q2019	3Q2019	4Q2019
Chloride	mg/l	310	980	140	85
Oil and Grease	mg/l	<5.3	<5.8	<6.1	<6.6
Total Suspended Solids (TSS)	mg/l	20	140	4.4	7.2
Total Nitrogen	mg/l	1.2	<1.0	<1.0	1.1
Fecal Coliform	CFU/100 ml	81	3400	770	2420
Nitrate/Nitrite	mg/l	1.2	0.37	0.86	1.1
Phosphorous Total as P	mg/l	<0.10	0.2	<0.1	<0.1
otal Kjelddahl-Nitrogen (TKN	mg/l	<1.0	1	<1	<1
Precipitation					
Last 24 hours	inch	0.3	1	0.29	0.65
Last 48 hours	inch	0.31	1.03	0.29	0.65

Table 2 - Sample Point 1 Analytical Results from 1Q19-4Q19

Parameters	Units	1Q2019	2Q2019	3Q2019	4Q2019
Chloride	mg/l	300	850	240	94
Oil and Grease	mg/l	<5.3	<5.5	<6.3	<6.3
Total Suspended Solids (TSS)	mg/l	120	310	20	23
Total Nitrogen	mg/l	<1.0	1.4	<1.0	1.8
Fecal Coliform	CFU/100 ml	700	4500	1300	>2420
Nitrate/Nitrite	mg/l	0.7	0.29	0.11	0.43
Phosphorous Total as P	mg/l	0.12	0.31	<0.1	0.15
otal Kjelddahl-Nitrogen (TKN	mg/l	<1.0	1.1	<1.0	1.3
Precipitation					
Last 24 hours	inch	0.3	1	0.29	0.65
Last 48 hours	inch	0.31	1.03	0.29	0.65

Table 3 - Sample Point 3 Analytical Results from 1Q19-4Q19

Parameters	Units	1Q2019	2Q2019	3Q2019	4Q2019
Chloride	mg/l	820	610	240	110
Oil and Grease	mg/l	<5.3	<5.6	<6.3	<6.3
Total Suspended Solids (TSS)	mg/l	4	14	5.6	8.4
Total Nitrogen	mg/l	<1.0	<1.0	<1.0	<1
Fecal Coliform	CFU/100 ml	140	4800	>2420	>2420
Nitrate/Nitrite	mg/l	0.82	0.37	0.34	0.41
Phosphorous Total as P	mg/l	<0.1	0.15	<0.1	0.58
Total Kjelddahl-Nitrogen (TKN)	mg/l	<1.0	<1.0	<1.0	<1
Precipitation					
Last 24 hours	inch	0.3	1	0.29	0.65
Last 48 hours	inch	0.31	1.03	0.29	0.65

Table 4 - Sample Point 4 Analytical Results from 1Q19-4Q19

Parameters	Units	1Q2019	2Q2019	3Q2019	4Q2019
Chloride	mg/l	270	400	190	72
Oil and Grease	mg/l	<5.2	<5.7	<6.1	<6.3
Total Suspended Solids (TSS)	mg/l	15	68	<4	<4
Total Nitrogen	mg/l	<1.0	1.3	<1.0	<1
Fecal Coliform	CFU/100 m	350	13000	>2420	>2420
Nitrate/Nitrite	mg/l	0.85	0.31	0.24	0.45
Phosphorous Total as P	mg/l	0.1	0.44	<0.1	0.12
otal Kjelddahl-Nitrogen (TKN	mg/l	<1.0	1	<1.0	<1
Precipitation					
Last 24 hours	inch	0.3	1	0.29	0.65
Last 48 hours	inch	0.31	1.03	0.29	0.65

Field Observation Sheets

1st Quarter 2019

Stormwater Sample Collection Forms

Proj. Name:	City of Peoria, IL - Storm Water Sampling
Date:	02/06/2019
Sampling Location Point:	Sample pt # 1
Sampling Personnel:	Mark Williams / DaKota Ladwig

Conditions of Sampling Point Location

Observations of Sampling Point Location (e.g., debris, downed trees, erosion, excessive sediment, etc.):	Good Flow, No debris	
	Last 24 hours	Last 48 hours
Precipitation:	0.30"	0.31"
Current Outdoor Air Temperature:	34°	
Current Weather Conditions:	Cloudy	

Water Sample Observations

Odor:	None
Appearance:	
Color:	Lt - brown
Turbidity:	Slight -
Other:	

Additional Information/Comments

Proj. Name:	City of Peoria, IL - Storm Water Sampling
Date:	02/06/2019
Sampling Location Point:	Sample Pt # 2
Sampling Personnel:	Mark Williams / DaKota Ludwig

Conditions of Sampling Point Location

Observations of Sampling Point Location (e.g., debris, downed trees, erosion, excessive sediment, etc.):	No debris, Good Flow	
	Last 24 hours	Last 48 hours
Precipitation:	0.30"	0.31"
Current Outdoor Air Temperature:	33°	
Current Weather Conditions:	~~39°~~ Cloudy	

Water Sample Observations

Odor:	earthy
Appearance:	
Color:	brown
Turbidity:	Moderate
Other:	

Additional Information/Comments

Proj. Name:	City of Peoria, IL - Storm Water Sampling
Date:	02/06/2019
Sampling Location Point:	Sample pt # 3
Sampling Personnel:	Mark Williams / DeKota Ludwig

Conditions of Sampling Point Location

Observations of Sampling Point Location (e.g., debris, downed trees, erosion, excessive sediment, etc.):	No debris, Some dead cattails near sampling pt.	
	Last 24 hours	Last 48 hours
Precipitation:	0.30"	0.31"
Current Outdoor Air Temperature:	34°	
Current Weather Conditions:	Cloudy	

Water Sample Observations

Odor:	None
Appearance:	
Color:	Light brown
Turbidity:	
Other:	

Additional Information/Comments

Proj. Name:	City of Peoria, IL - Storm Water Sampling	
Date:	02/01/2019	
Sampling Location Point:	Sample pt # 4	
Sampling Personnel:	Mark William/ DaKota Ladwig	
Conditions of Sampling Point Location		
Observations of Sampling Point Location (e.g., debris, downed trees, erosion, excessive sediment, etc.):	No debris, Good flow	
	Last 24 hours	Last 48 hours
Precipitation:	0.30"	0.31"
Current Outdoor Air Temperature:	34°	
Current Weather Conditions:	Cloudy	
Water Sample Observations		
Odor:	None	
Appearance:		
Color:	Light brown	
Turbidity:	Slight	
Other:		

Additional Information/Comments

Field Observation Sheets

2nd Quarter 2019

Stormwater Sample Collection Forms

Proj. Name:	City of Peoria, IL - Storm Water Sampling
Date:	04 / 29 / 2019
Sampling Location Point:	Sample Pt # 1
Sampling Personnel:	Mark Williams & Dakota Ladwig

Conditions of Sampling Point Location

Observations of Sampling Point Location (e.g., debris, downed trees, erosion, excessive sediment, etc.):	No debris	
	Last 24 hours	**Last 48 hours**
Precipitation:	1.00"	1.03"
Current Outdoor Air Temperature:	57°F	
Current Weather Conditions:	Cloudy / Calm	

Water Sample Observations

Odor:	None
Appearance:	
Color:	light - medium brown
Turbidity:	Moderate Turbidity
Other:	Time of Sampling 14:40

Additional Information/Comments

Proj. Name:	City of Peoria, IL - Storm Water Sampling
Date:	04/29/2019
Sampling Location Point:	Sample Pt #2
Sampling Personnel:	Mark Williams & Dakota Ladwig

Conditions of Sampling Point Location

Observations of Sampling Point Location (e.g., debris, downed trees, erosion, excessive sediment, etc.):	No Debris - Swift flow	
	Last 24 hours	Last 48 hours
Precipitation:	1.00"	1.03"
Current Outdoor Air Temperature:	57°	
Current Weather Conditions:	Calm	

Water Sample Observations

Odor:	None
Appearance:	
Color:	Medium brown
Turbidity:	Moderate
Other:	Time of Sample 14:18

Additional Information/Comments

Proj. Name:	City of Peoria, IL - Storm Water Sampling
Date:	04/29/2019
Sampling Location Point:	Sample Pt # 3
Sampling Personnel:	Mark Williams & Dakota Ladwig

Conditions of Sampling Point Location

Observations of Sampling Point Location (e.g., debris, downed trees, erosion, excessive sediment, etc.):	No Debris,	
	Last 24 hours	Last 48 hours
Precipitation:	1.00"	1.03"
Current Outdoor Air Temperature:	56°	
Current Weather Conditions:	Cloudy Calm Wind	

Water Sample Observations

Odor:	None
Appearance:	light brown
Color:	" "
Turbidity:	Slight Turbidity
Other:	Time of Sampling 14:00

Additional Information/Comments

Proj. Name:	City of Peoria, IL - Storm Water Sampling
Date:	04/29/2019
Sampling Location Point:	Sample Pt #4
Sampling Personnel:	Mark Williams & Dakota Ladwig

Conditions of Sampling Point Location

Observations of Sampling Point Location (e.g., debris, downed trees, erosion, excessive sediment, etc.):	No Debris swift flow	
	Last 24 hours	Last 48 hours
Precipitation:	1.00"	1.03"
Current Outdoor Air Temperature:	57°F	
Current Weather Conditions:	Cloudy, Calm wind	

Water Sample Observations

Odor:	None
Appearance:	Turbid. strong
Color:	Brown
Turbidity:	yes - (Strong)
Other:	Time of sampling 13:40

Additional Information/Comments

Field Observation Sheets

3rd Quarter 2019

Stormwater Sample Collection Forms

Proj. Name:	City of Peoria, IL - Storm Water Sampling	
Date:	08/07/2019	
Sampling Location Point:	Sample Pt 1	
Sampling Personnel:	Mark Williams & Dakota Ledwig	
Conditions of Sampling Point Location		
Observations of Sampling Point Location (e.g., debris, downed trees, erosion, excessive sediment, etc.):	No debris low flow	
	Last 24 hours	Last 48 hours
Precipitation:	0.29"	0.29"
Current Outdoor Air Temperature:	89°F	
Current Weather Conditions:	Sunny	
Water Sample Observations		
Odor:	None	
Appearance:	Clear	
Color:	lt brown	
Turbidity:	Slight	
Other:	low flow	

Additional Information/Comments

Proj. Name:	City of Peoria, IL - Storm Water Sampling
Date:	08/07/2019
Sampling Location Point:	Sample Pt 2
Sampling Personnel:	Mark Williams & Dakota Ladwig

Conditions of Sampling Point Location

Observations of Sampling Point Location (e.g., debris, downed trees, erosion, excessive sediment, etc.):	No debris low flow	
	Last 24 hours	Last 48 hours
Precipitation:	0.29"	0.29"
Current Outdoor Air Temperature:	81°F	
Current Weather Conditions:	Sunny	

Water Sample Observations

Odor:	None
Appearance:	Clear
Color:	lt brown
Turbidity:	Moderate
Other:	low flow

Additional Information/Comments

Proj. Name:	City of Peoria, IL - Storm Water Sampling
Date:	08/07/2019
Sampling Location Point:	Sample Pt 3
Sampling Personnel:	Mark Williams & Dakota Ladwig

Conditions of Sampling Point Location

Observations of Sampling Point Location (e.g., debris, downed trees, erosion, excessive sediment, etc.):	no debris low flow	
	Last 24 hours	Last 48 hours
Precipitation:	0.29"	0.29"
Current Outdoor Air Temperature:	79° F	
Current Weather Conditions:	Sunny	

Water Sample Observations

Odor:	None
Appearance:	Clear
Color:	lt brown
Turbidity:	Slight
Other:	low flow

Additional Information/Comments

Proj. Name:	City of Peoria, IL - Storm Water Sampling
Date:	08/07/2019
Sampling Location Point:	Sample Pt 4
Sampling Personnel:	Dakota Ladwig & Mark Williams

Conditions of Sampling Point Location

Observations of Sampling Point Location (e.g., debris, downed trees, erosion, excessive sediment, etc.):	No debris	
	Last 24 hours	Last 48 hours
Precipitation:	0.29"	0.29"
Current Outdoor Air Temperature:	79°F	
Current Weather Conditions:	Sunny	

Water Sample Observations

Odor:	None
Appearance:	A brown
Color:	" "
Turbidity:	Slight
Other:	low flow

Additional Information/Comments

Field Observation Sheets

4th Quarter 2019

Stormwater Sample Collection Forms

Proj. Name:	City of Peoria, IL - Storm Water Sampling	
Date:	10/03/2019	
Sampling Location Point:	Sample Pt 1	
Sampling Personnel:	Dakota Ladwig & Mark Williams	
Conditions of Sampling Point Location		
Observations of Sampling Point Location (e.g., debris, downed trees, erosion, excessive sediment, etc.):	None	
	Last 24 hours	**Last 48 hours**
Precipitation:	0.65"	0.65"
Current Outdoor Air Temperature:	64°F	
Current Weather Conditions:	Cloudy	
Water Sample Observations		
Odor:	None	
Appearance:	Clear	
Color:	lt brown	
Turbidity:	low - med	
Other:		
Additional Information/Comments	Medium to high flow	

Proj. Name:	City of Peoria, IL - Storm Water Sampling
Date:	10/03/2019
Sampling Location Point:	Sample Pt 2
Sampling Personnel:	Dakota Ladwig & Mark Williams

Conditions of Sampling Point Location

Observations of Sampling Point Location (e.g., debris, downed trees, erosion, excessive sediment, etc.):	None	
	Last 24 hours	**Last 48 hours**
Precipitation:	0.65"	0.65"
Current Outdoor Air Temperature:	64°F	
Current Weather Conditions:	Cloudy	

Water Sample Observations

Odor:	None
Appearance:	Clear
Color:	lt brn - brn
Turbidity:	Medium
Other:	

Additional Information/Comments

Medium to high flow

Proj. Name:	City of Peoria, IL - Storm Water Sampling
Date:	10/03/2019
Sampling Location Point:	Sample Pt 3
Sampling Personnel:	Dakota Ladwig & Mark Williams

Conditions of Sampling Point Location

Observations of Sampling Point Location (e.g., debris, downed trees, erosion, excessive sediment, etc.):	None	
	Last 24 hours	**Last 48 hours**
Precipitation:	0 65"	0 65"
Current Outdoor Air Temperature:	63°	
Current Weather Conditions:	Cloudy	

Water Sample Observations

Odor:	N
Appearance:	Clear
Color:	lt brown
Turbidity:	Low
Other:	

Additional Information/Comments

Medium flow

Proj. Name:	City of Peoria, IL - Storm Water Sampling
Date:	10/03/2019
Sampling Location Point:	Sample Pt 4
Sampling Personnel:	Dakota Ladwig & Mark Williams

Conditions of Sampling Point Location

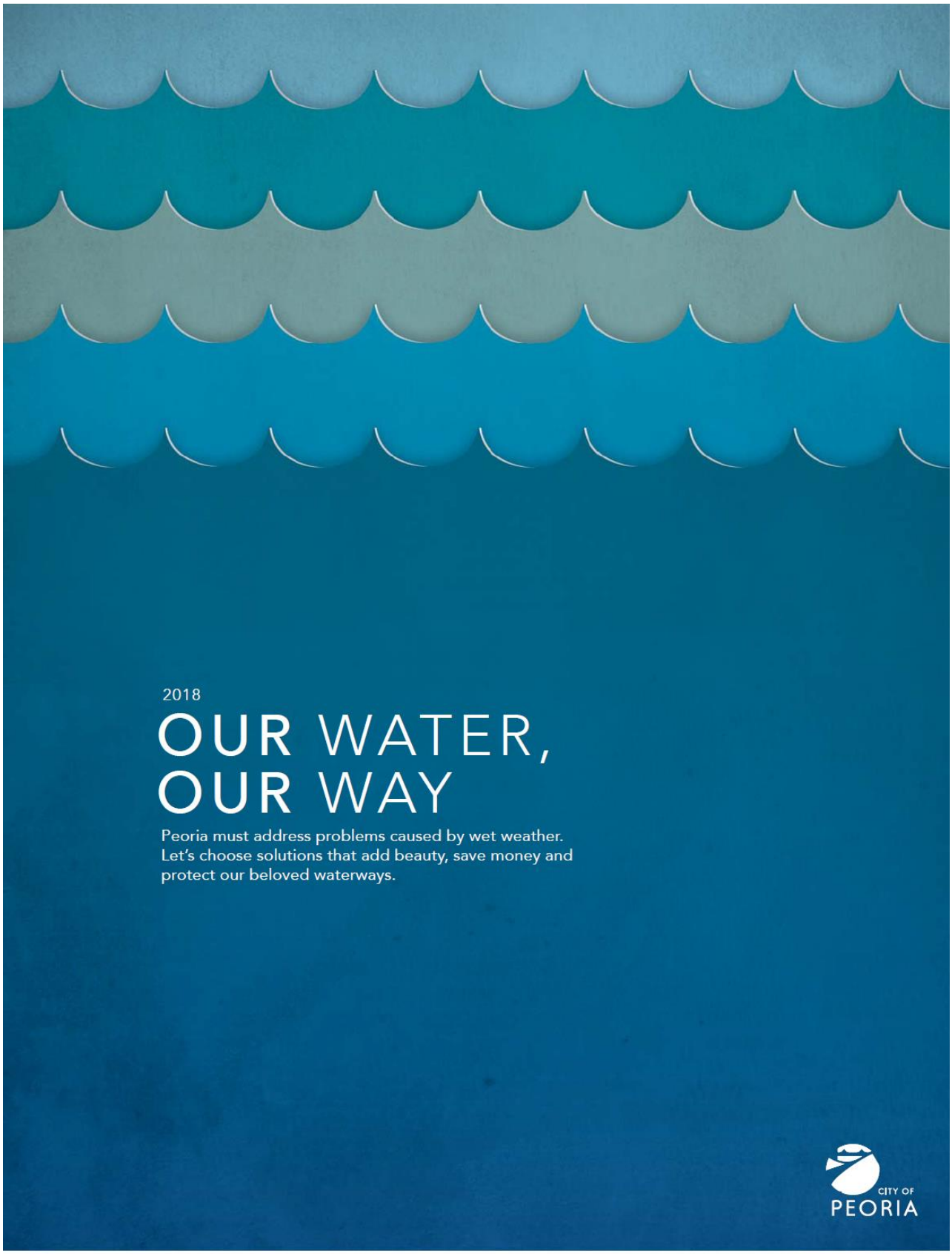
Observations of Sampling Point Location (e.g., debris, downed trees, erosion, excessive sediment, etc.):	None	
	Last 24 hours	**Last 48 hours**
Precipitation:	0.65"	0.65"
Current Outdoor Air Temperature:	63	
Current Weather Conditions:	Cloudy	

Water Sample Observations

Odor:	None
Appearance:	Clear
Color:	lt brown
Turbidity:	low
Other:	

Additional Information/Comments

Medium flow


2018
OUR WATER,
OUR WAY
Peoria must address problems caused by wet weather.
Let's choose solutions that add beauty, save money and
protect our beloved waterways.
CITY OF
PEORIA

LEARN THE ISSUES

After a storm or snowmelt, where does the water go? Peoria is facing major problems as a result of how the water currently drains.

AGING INFRASTRUCTURE

When infrastructure fails, it can pose a major safety threat to citizens. Due to funding constraints, the city does not know the safety condition of miles of underground storm sewers.

To save taxpayers money and keep citizens safe, we must extend the life of our existing infrastructure and make repairs before they become costly emergencies.

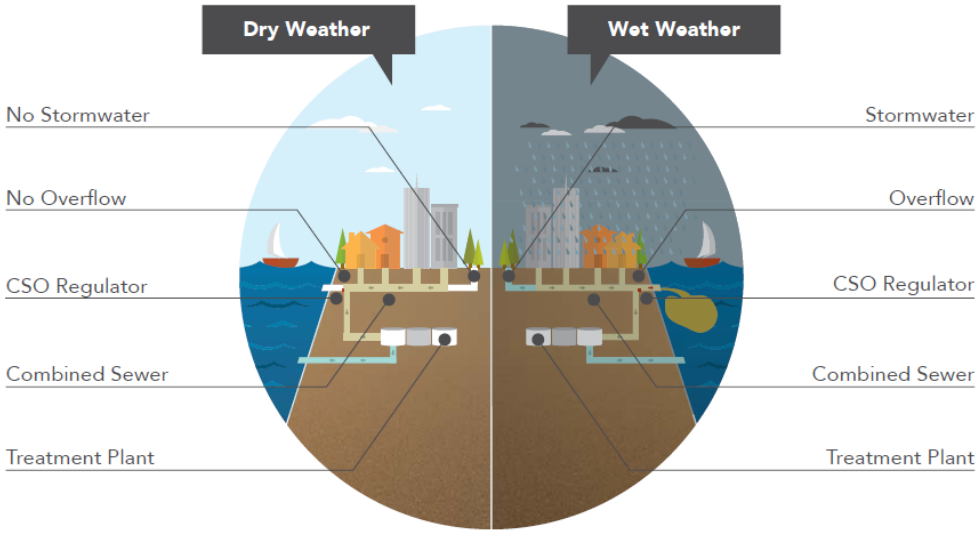
GROWING LIST OF PROBLEMS TO FIX

Public Works has received nearly **1,250 citizen service requests** for drainage related issues since 2014. Due to funding constraints, Peoria has not been able to keep up with maintenance and upgrades.

As of October 2017, the total backlog of 400+ stormwater-related projects included 19 high-severity capital projects. The actual funding needed would be up over **$17 million** if all issues were addressed.

COMBINED SEWER OVERFLOWS (CSOs)

Peoria has combined sewers located in older parts of town carrying both sanitary wastewater and stormwater. While fine in dry weather, combined sewers present risks during wet weather.



During dry weather

All sewage from homes and businesses is sent to the treatment plant by a "regulator," or small dam.

During wet weather

Between 20 & 30 times a year, rain/snow overloads these sewers. They don't have enough capacity to carry wastewater to the treatment plant, so untreated sewage flows into the Illinois River.

CSOs aren't just gross, they are no longer acceptable. Peoria has an unfunded mandate from the U.S. Environmental Protection Agency to dramatically reduce CSOs. We will face major punitive costs if we do not comply.

RETURNING TO NATURE'S WAY

We are forced to address our CSOs and stormwater issues. But this is a great chance as a community to explore solutions and funding streams that are right for us. Let's be trend-setters, go-getters and make a splash as we find innovative solutions for our city.

GOING GREEN

Peoria has a lot of "impervious" surfaces: parking lots, roofs, patios, driveways, etc. These surfaces don't allow rain and snow to easily soak into the ground. With less land available to allow infiltration, more rain and snow runs off into the sewer system or elsewhere.

To reduce combined sewer overflows and slow down the rate at which stormwater rushes to nearby channels, Peoria plans to use more green infrastructure throughout our city. In fact, we want to address CSOs using 100% green! Rather than building more "gray" infrastructure (like pipes, tanks or tunnels), the city would install features like pervious pavement and rain gardens to prevent stormwater from entering combined sewers in the first place. This would also lessen the stress placed on aging infrastructure.

Other cities are using green infrastructure as part of their CSO plans. Peoria can do even more.

PEORIA COULD BE THE FIRST CITY IN THE NATION TO USE A 100% GREEN SOLUTION TO COMBAT CSOs. GREEN SOLUTIONS INCLUDE:

Rain Gardens

Bumpouts

Green Alleys

WHY GREEN WORKS

- SAVES MONEY
- INVOLVES LOCAL BUSINESSES
- BEAUTIFIES PUBLIC SPACES
- DECREASES POLLUTANTS
- IMPROVES AIR QUALITY

HOW CAN WE REDUCE POLLUTION IN OUR WATERS?

Stormwater runoff is not treated before it makes its way into local creeks and streams. Rather, rainfall and snowfall pick up whatever chemical compounds and/or trash lie on developed land.

SEDIMENT | CHEMICALS | VEHICLE WASTE | BACTERIA | LITTER

DO YOUR PART

Together we can reduce stormwater runoff and prevent pollution from entering our streams and rivers.

Keep contaminants out of drains, sewers and streams.

NEVER POUR CHEMICALS, cleaning supplies, fats, oils, grease or medicines down the toilet. Small items like bandages or dental floss can also clog pipes.

SWEEP GRASS CLIPPINGS back onto your lawn so they do not get washed into storm drains. Never dump excess dirt or other yard waste into ravines, creek beds or streams.

BE CONSERVATIVE when using pesticides and fertilizer. You can prevent polluted runoff into nearby water resources by opting for greener landscaping maintenance methods.

Capture rainwater.

The more water that runs off your property, the more water the city must divert and manage. Capture rainwater and use it on your lawn by installing rain barrels. You can also direct downspouts and gutters onto your lawn/plant beds. Make your yard thirstier—and prettier— by installing native plants with deep root systems, which hold soil in place.

Minimize impervious surfaces.

Reduce your personal runoff impact and beautify your home by opting for:

- PAVERS/BRICKS
- POROUS/PERMEABLE CONCRETE
- MULCH
- GREEN ROOFS
- OTHER SUSTAINABLE FEATURES

Learn even more ways to minimize your impact and keep up with current issues at PEORIASTORMWATER.COM

FUNDING PEORIA'S SUSTAINABLE FUTURE

STORMWATER UTILITY OVERVIEW

A stormwater utility is:

an enterprise fund created to finance wet weather management.

only applicable to wet weather needs.

like a water or electric utility, based on usage (in this case, of the stormwater system).

common – other Illinois cities, like Morton, Bloomington, Champaign and others, also have a stormwater utility.

important for our community to fix and maintain critical infrastructure that could impact public safety.

FAIR & EQUITABLE SOLUTION

A stormwater utility is fair and equitable because:

+ The fee is based on the amount of stormwater runoff a property contributes to the system.

+ 

Property owners may lower their fees by reducing runoff.

+ Every property, from businesses to schools, churches to homes, participates. All properties contribute runoff, so all properties help fund a responsible solution.

BENEFITS FOR PEORIA

HEALTHIER WATERWAYS & WILDLIFE

Helps Peoria slow, cleanse and recharge groundwater, benefitting people, animals and water sources.

MAINTAIN OUR SYSTEM

Helps Peoria maintain over 150 miles of underground pipes and inlets.

LESS FLOODING

More street sweeping, preventing flooding from pollution-clogged inlets.

EMPLOYMENT OPPORTUNITIES

Will create jobs in construction, design and maintenance.

COMPLETE STREETS

Adding green infrastructure to roads will allow for better water infiltration and can provide a buffer between cars and bike/pedestrian traffic.

FREED UP GENERAL FUND

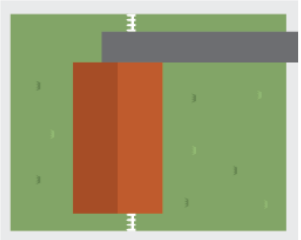
One less competing funding priority lets our city focus on other essentials, such as street repair, fire and police.

HOW THE STORMWATER UTILITY IS CALCULATED

Impervious surface areas, like rooftops, sidewalks, walkways, patio areas, driveways, parking lots and sheds, prevent stormwater from soaking into the ground. Instead, the water flows over the ground as stormwater runoff, which can be very damaging.

The stormwater utility fee is based on the amount of impervious surface area on a property. Each billing unit will be set per 1,000 square feet of impervious area.

Homeowners will also be able to apply for credit and incentives to lessen their bills. Public Works will share details about credits and incentives soon.



+ = 2,600 SF Impervious

= 2.6 Billing Units x $3 per Billing Unit

= $7.80 per Month (Average Home)

WILL THIS PAY FOR THE COMBINED SEWER OVERFLOW (CSO) FIX?

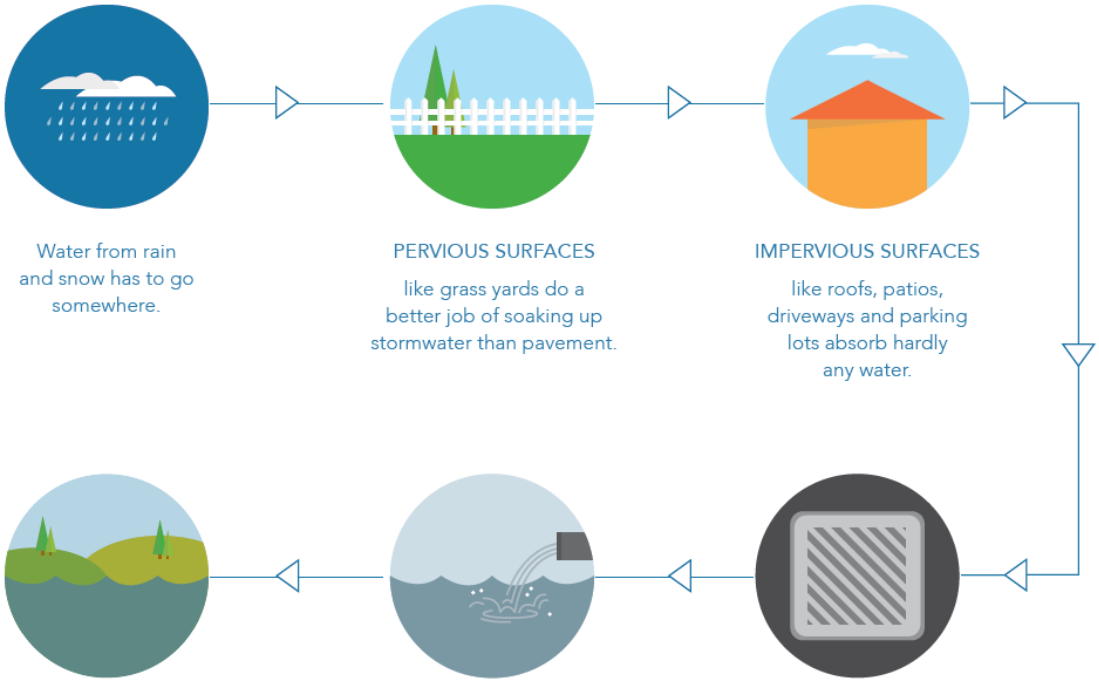
The total CSO fix will cost Peoria $200-250 million. That would be a BIG monthly bill. The stormwater utility will instead pay for a portion of the CSO solution, namely the maintenance of green infrastructure. Green infrastructure is not only good for the combined sewer area, it benefits our whole community. The rest of the CSO funding will likely come from sewer rate increases or tax increases.

To learn more please visit **peoriastormwater.com**.

CITY OF PEORIA

PATH OF STORMWATER

Stormwater can take quite the route from the sky to the ground and eventually to the Illinois River. Where the water travels can make a big difference to homeowners and local wildlife alike.



Water from rain and snow has to go somewhere.

PERVIOUS SURFACES

like grass yards do a better job of soaking up stormwater than pavement.

IMPERVIOUS SURFACES

like roofs, patios, driveways and parking lots absorb hardly any water.

Stormwater runs off properties, picks up pollutants and debris, and enters inlets and drains.

These pipes carry untreated stormwater to outfall points, such as creeks.

Peoria's network of creeks and streams drains into the Illinois River.

To learn more about the impact of stormwater, please visit **peoriastormwater.com**

WHAT IS STORMWATER INFRASTRUCTURE?

You probably use Peoria's stormwater infrastrucuture and not even realize it. Stormwater infrastructure is the engineered collection system that drains wet weather, like rain and snowmelt, to nearby waterbodies.

DITCHES

CREEKS

PIPES & CULVERTS

PONDS & LAKES

CURBS & GUTTERS

INLETS & MANHOLES

WETLANDS

OCEANS

RAIN GARDENS

BIOSWALES

To learn more about the impact of stormwater, please visit **peoriastormwater.com**

PROTECTING PEORIA *from* POLLUTION

Maybe you're not an engineer just yet.
But you can still do things to help keep our water clean!

DON'T LITTER.

Always remember to "can it" before it goes into the Illinois River. Keeping trash in the garbage can is one of the simplest things you can do to help keep our river clean. Recycle whatever plastics, metal and paper you can.

CLEAN UP AFTER PETS.

When Fido and Fluffy go outside, their waste adds to the problem of stormwater pollution.

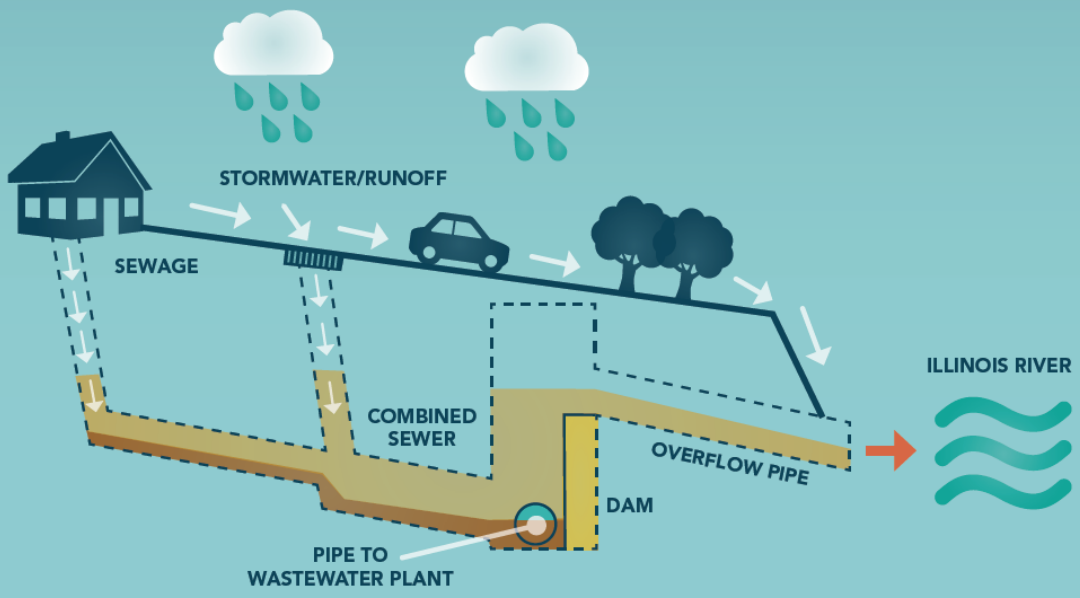
PLANT VEGETATION ALONG STREAM BANKS.

You can ask to organize a project with your school, Scout troop or church to plant things like native grasses and shrubs. The roots from plants keep the soil in place, so it doesn't erode and dirty up the water. Animals like this, too!

KEEP IT OUT OF THE DRAIN.

Never pour chemicals, cleaning supplies or medicines down the toilet. Same thing goes for small items like bandages or dental floss. They can clog pipes and they really add up!

WHERE DOES IT GO WHEN IT OVERFLOWS?



Like many other cities, Peoria built storm sewers in the late 1800s and early 1900s to carry rainwater and melting snow away from homes, businesses and streets. In those horse-and-buggy days, cities didn't have sewage treatment or even indoor plumbing!

When indoor plumbing came later, homeowners and business owners hooked their sewage lines to the existing storm sewers. This combined stormwater/runoff and raw sewage into one pipe. The pipes emptied directly into the Illinois River until the 1930s, when Peoria's sewage treatment plant was built.

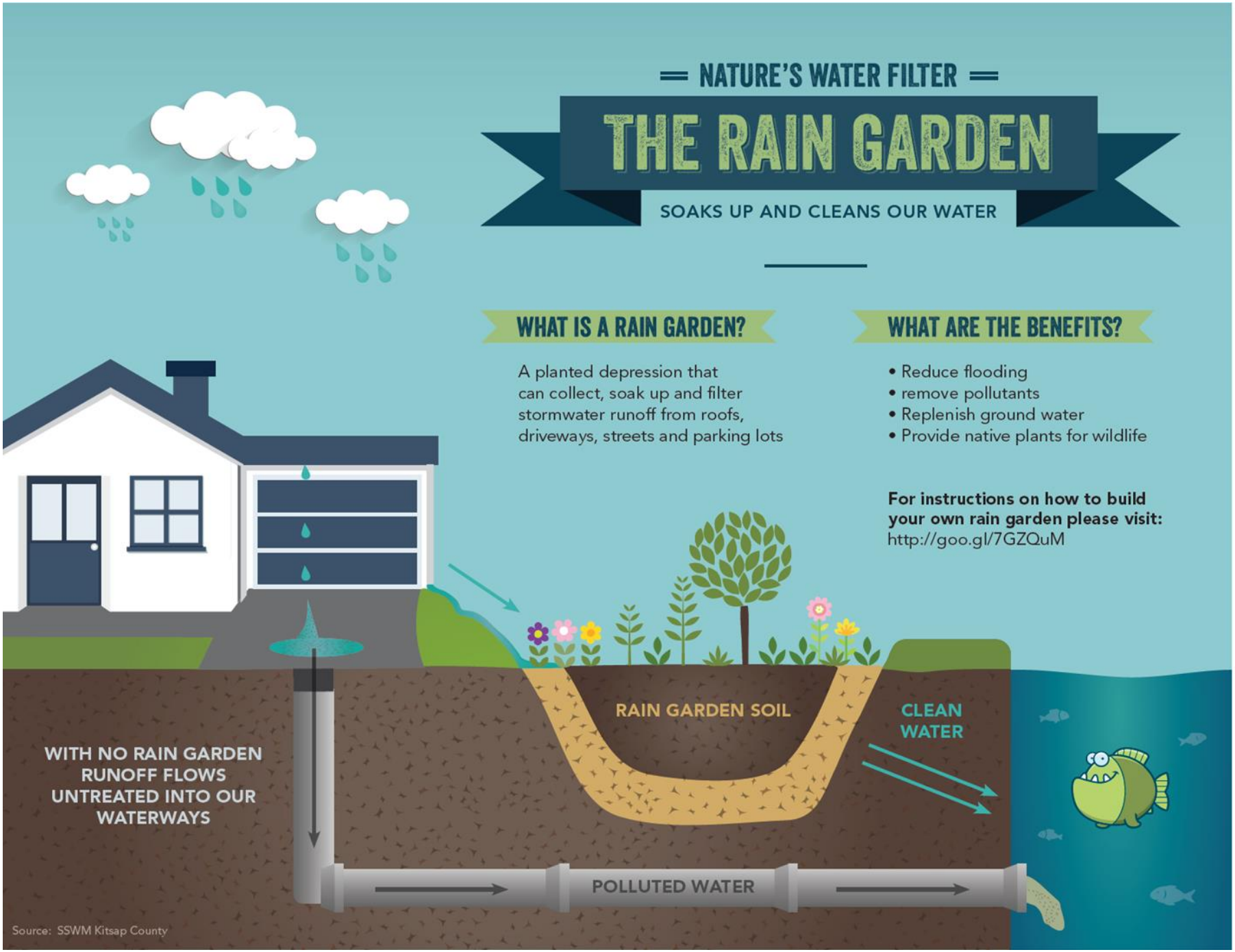
During dry weather, a combined sewer system works much like a separate sewer—carrying all sewage including litter to the treatment plant for treatment. However, when it rains or snow melts, the sewers can be overloaded with incoming stormwater.

When rainfall is heavy enough, the sewers don't have enough capacity to carry wastewater to the treatment plant. In these cases, they are designed to overflow into the Illinois River without treatment. (If sewers didn't have this release valve, raw sewage would back up into basements and streets. Gross!)

Today, when building new sewer systems, we build separate sewers for stormwater and sewage. Yet these older combined sewers remain in Peoria and in many older cities throughout the country.

Right now, engineers are coming up with solutions—like using green infrastructure—to help Peoria soak up more rain so it doesn't go down the storm drain.

DROP BY PEORIAGOV.ORG/PUBLIC-WORKS/COMBINED-SEWER-OVERFLOW TO LEARN MORE.


NATURE'S WATER FILTER
THE RAIN GARDEN
SOAKS UP AND CLEANS OUR WATER
WHAT IS A RAIN GARDEN?
A planted depression that can collect, soak up and filter stormwater runoff from roofs, driveways, streets and parking lots
WHAT ARE THE BENEFITS?
• Reduce flooding
• remove pollutants
• Replenish ground water
• Provide native plants for wildlife
For instructions on how to build your own rain garden please visit:
http://goo.gl/7GZQuM
RAIN GARDEN SOIL
CLEAN WATER
WITH NO RAIN GARDEN RUNOFF FLOWS UNTREATED INTO OUR WATERWAYS
POLLUTED WATER
Source: SSWM Kitsap County

CO-BENEFITS OF **GREEN INFRASTRUCTURE**

Connections Between People and Places

- Creating physical connections between social infrastructure and public amenities such as schools, museums, community centers, places of worship, grocery stores, medical offices, fitness centers, restaurants and parks
- Creating spaces that foster meaningful contact, provide community identity and draw a diverse population

Safe and Accessible Transportation Infrastructure

- Creating SAFE, ACCESSIBLE AND COMFORTABLE routes for getting from place to place (e.g., safe routes to school, complete streets)
- Creating public spaces that manage stormwater while beautifying streets and neighborhoods

Crime Mitigation

- Creating landscape designs that maintain sight lines, define public and private spaces, control access and calm)
- Encouraging residents to spend time outside interacting and building stronger community ties (e.g., pocket parks, community gardens)

Public Health and Wellness

- Creating spaces to promote recreation, fitness and healthy lifestyle choices
- Providing opportunity for improved access to healthy, fresh and whole foods through local production (e.g., community gardens)
- Strengthening community social bonds and associated health outcomes

Ecological Health and Productivity

- Improving air and water quality and providing wildlife habitat and migratory corridors
- Restoring natural hydrologic function (slows, cools, cleanses and recharges groundwater)

Local Jobs and Workforce Training

- Providing a scale and scope of design and construction work that can be met by local companies
- Creating a demand for workforce training and education to build capacity for public and private sector jobs

Neighborhood-Scale Economic Development

- Spurring reinvestment and increasing economic activity, including tourism, for nearby businesses
- Increasing surrounding property values by improving public rights-of-way and repurposing vacant/blighted lots

To learn more about green infrastructure and combined sewer overflows, please visit **peoriastormwater.com**

WATERSHED MOMENTS

Historical

1880s **Construction starts on Peoria's sewer network.** Typical for the time, stormwater and sanitary water are discharged directly into the river through the same pipe, called a combined sewer. According to documents, "by 1900, at least 10 sewers had been built with outfalls into the Illinois River. During these early years, sewers were constructed apparently where and when liquid refuse became intolerable."

1920s to 1930s **Greater Peoria Sanitary & Sewage District forms.** A large "interceptor" sewer is built along the riverfront. During dry weather, it delivers sewage to the new Darst Street wastewater treatment plant. During wet weather periods of less than 1/10th of inch of rain, the combined sewer system still overflows into the river at 20 locations. (CSOs = combined sewer overflows.)

City & GPSD sign an agreement defining the responsibilities of each for existing systems and Peoria's future expansion. Both agree to only build separate sanitary and storm sewers for as-yet-undeveloped areas.

1952 **Peoria adopts 1st master plan for wet weather management.** It delineates separate storm sewers to relieve flooding, overflows and backups. It explains the effect that impervious density has on runoff.

1970s - 1990s

1970s **Peoria prepares a facilities plan to address continued CSO problems.** Sewer flow monitors are installed at 10 locations along with rain gauges and wastewater samplers.

Federal Clean Water Act created through sweeping amendments to 1948 Water Pollution Control Act. Public awareness of water pollution is growing, and a permit is now required to discharge pollutants into "waters of the U.S." EPA begins regulating Peoria's CSOs through a National Pollutant Discharge Elimination System (NPDES) permit.

1980s **Peoria performs impact study to determine the effect of CSOs** on the river and presents findings to Illinois EPA. Starting in 1987 (through 1994), Peoria proactively undertakes about $10M (in 1980s dollars) in projects to reduce sewer overflows. These include:

- Separating sewers in drainage basins
- Constructing swirl concentrators to remove trash from overflows
- Installing gates to control flow discharged to interceptor
- GPSD treatment plant improvements
- Installing telemetry to monitor sewer flows

A Clean Water Act amendment establishes that urban stormwater conveyance systems are point sources of pollution. NPDES expands to include Municipal Separate Storm Sewer Systems (MS4 for short).

1994 **Peoria completes CSO project improvements.** Benefits include reducing:

- # of CSO locations from 20 to 16
- Average days of overflows from 40/year to 28/year
- Overflow volume from estimated 840 million gallon avg. to 160 million gallon avg. in a typical year
- Trash discharging to the Illinois River

U.S. EPA establishes a CSO control policy. This framework compels U.S. municipalities to develop Long-Term Control Plans to ensure that their CSOs do not prevent meeting water quality standards of receiving waters. The policy's stated principles include finding cost-effective controls, with phased implementation, to accommodate a community's financial capability.

WATERSHED MOMENTS

2000s - Present

2003

Peoria compiles stormwater master plan identifying needs throughout whole city. Nearly 1,000 citizen complaints are documented. It says erosion is threatening houses and other structures. It recommends exploring alternate funding mechanisms to adequately improve and maintain a sustainable stormwater infrastructure.

NPDES Phase II permit for MS4s applies to Peoria. City submits plan to comply with 6 minimum control measures for storm sewer system O&M.

2006

Peoria's NPDES sanitary sewer permit requires city to develop a Long-Term Control Plan to reduce incidence of CSOs. 20-30 CSO events occur per year, on avg., at 16 locations. Non-compliance will lead to major fines and penalties. Peoria begins developing control plan and performing public outreach.

2008

Public hears 3 options to reduce CSOs. These all involve "gray" infrastructure—building one or more treatment tanks—plus "green" solutions / litter control. At the time, public prefers building 4 tanks along the river at a cost of (in 2008 dollars) $105M-$127M. Draft control plan is submitted to EPA.

November. EPA determines Peoria's CSO area is environmentally "sensitive." This mandates a higher level of protection than included in normal CSO control policy. It means CSOs must be eliminated/relocated, to the extent of community affordability.

2009 to 2013

EPA questions Peoria on affordability, saying citizens can afford a control plan of $500M or more. City analyzes 19 alternate solutions, including sewer separation; City Council hears a preferred option of building 4 storage/treatment tanks + 2 long pipes to the wastewater treatment plant. Negotiations continue in earnest.

2014

Peoria explores CSO control plan using all-green infrastructure. With EPA's designation of the Illinois River CSO area as "sensitive"—requiring higher levels of control—City estimates green infrastructure installation could be approx. 2/3 cost of gray.

Tri-County Regional Planning Commission publishes Stormwater Utility Feasibility Study for 13 participating governmental bodies, including Peoria. The study concludes a user-fee utility approach for funding stormwater management is a viable option for Central Illinois.

(December) City Council authorizes a study of ways to fund & manage stormwater infrastructure.

2015

(March) Peoria submits draft of 100% green infrastructure CSO control plan to EPA. If approved, it may be nation's 1st all-green solution. The City seeks to employ cost-effective techniques like pervious pavers and natural plantings to keep stormwater from entering combined sewers. This would virtually eliminate CSOs and beautify streetscapes. Current estimate for installing green infrastructure is around $200M (in 2015 dollars), phased in over a period TBD. The City continues work on a financial model to understand the impacts of the CSO program and to guide planning for anticipated costs. Peoria hopes to partner with EPA on a workable, long-term solution.

(Spring-Summer) Study of managing Peoria's stormwater infrastructure gets under way. Among other things, it reviews capital improvements, O&M, administrative and regulatory compliance needs. A diverse stakeholder group is invited to join new OneWater Committee; this advisory group examines wet weather system needs and funding options.

(June) City Council begins budget discussions. Stormwater infrastructure and CSO funding needs are among many priorities.

2017

(December 5) Peoria City Council approves a stormwater utility. The funding will support wet weather needs.

(June 1) Stormwater utility goes into effect, providing Peoria dedicated funding to proactively address wet weather related issues.

2018

Today

Peoria launches citywide approach. Thanks to the stormwater utility, Peoria responsibly addresses the project backlog and uses green infrastructure to manage stormwater where it falls.

FUNDING A BETTER TOMORROW

Frequently Asked Questions: Stormwater Utility

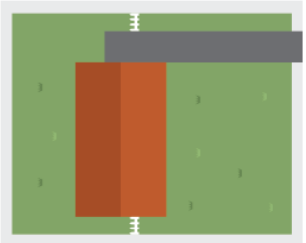
By investing in smart, natural stormwater solutions, we will create a beautiful, sustainable future for Peoria. Learn about the stormwater utility and how it will improve our community.

What is a stormwater utility?

A stormwater utility is an enterprise fund created to finance wet weather management. Similar utilities exist for water, sewer, electricity and other services. Funds raised by the stormwater utility will only apply to wet weather needs and may not be used for any unrelated purposes.

How is the stormwater utility fee calculated?

Impervious surface areas, like rooftops, sidewalks, walkways, patio areas, driveways, parking lots, sheds and more, don't allow stormwater to do what it normally does—soak into the ground. The stormwater utility fee is based on the amount of impervious surface area on a property. Each billing unit will be initially set at $3 per 1,000 square feet of impervious area.



+ = 2,600 SF Impervious

= 2.6 Billing Units x $3 per Billing Unit

= $7.80 per Month (Average Home)

Homeowners will be able to apply for credits if they are able to successfully manage runoff on their property. More details about credits will come soon.

Why is the stormwater utility based on impervious surface area?

Stormwater runoff directly correlates to the amount of impervious surfaces on a property. Impervious surfaces allow the water to fill up our pipes and streams faster, increasing the potential for street and/or storm system flooding during heavy rains and increasing maintenance and repair requirements of the storm sewer system. Each property owner will pay for the water their property contributes to the system.

How is this fee different from a tax?

Unlike a tax, a utility is a fee for service. Just like we pay water bills for the amount of water we use, or electricity fees for the amount of electricity we use, the stormwater utility fee is based on the impact that a property owner's impervious surface has on the community's stormwater system as a whole. All properties participate. Everyone who uses the system contributes financially.

What do you mean by "stormwater system"?

Many elements make up our stormwater infrastructure, including ditches, creeks, pipes and culverts, ponds and lakes, curbs and gutters, inlets and manholes, wetlands, rain gardens and bioswales. Almost all properties use the stormwater system.

Why was a stormwater utility chosen as the right funding solution?

A stormwater utility fee is the right option for Peoria for a number of reasons:

- A fair solution: The stormwater utility fee is based on the amount of runoff you contribute to the system. This approach, rather than increasing property or sales tax (which has no relation to the runoff that a property contributes), is the most equitable way to fund the stormwater program.
- Competition for funds: The City currently funds a portion of stormwater management through the General Fund. The problem is that a lot of important programs are funded through the General Fund, and these different priorities—roads, fire, police—compete with one another. With this dedicated funding stream, we will ensure that the appropriate amount of monetary support and attention is given to our wet weather needs.
- Accountability and transparency: Because user fees are dedicated to funding specific programs, citizens can see exactly how the City is using the revenues that are collected.

What does the stormwater utility fund?

The stormwater utility will fund the following:

- System planning and asset management
- Infrastructure maintenance and replacement
- Runoff and pollution reduction
- Stream/channel improvements
- Public Works equipment
- Private property drainage program
- Total capital and maintenance expenses
- Green infrastructure maintenance

Will this pay for the combined sewer overflow (CSO) fix?

The total CSO fix will cost Peoria $200-250 million. The City Council will ultimately decide how this will be funded. The stormwater utility will pay for a portion of the CSO solution, namely the maintenance of green infrastructure. Green infrastructure is not only good for the combined sewer area, it benefits our whole community.

Why now?

We must address the ever-growing backlog of stormwater projects (like erosion, failing culverts and blocked inlets) now before they worsen into emergencies. We need to reduce pollution in our streets and streams, and we must address the outdated and decaying pipes that pose a risk to public safety. By making positive changes now, we can stop responding to these issues reactively and become proactive in protecting our river and bettering the health of our community.

The U.S. EPA has mandated that we eliminate combined sewer overflows, which is when raw sewage is dumped into the Illinois River after heavy rain or snowmelt. The stormwater utility will help fund the maintenance of green infrastructure that will not only help us address CSOs, but alleviate the burden on our stormwater system.

How will the stormwater utility benefit our community?

There are many benefits of the stormwater utility. Not only will we have the funding needed to repair crucial infrastructure, we will be able to beautify and strengthen our community. The stormwater utility will help us maintain green infrastructure, like rain gardens, permeable pavers, bioswales and more. These elements have co-benefits, including:

HEALTHIER STREAMS, RIVER AND WILDLIFE

Rainfall and snowmelt pick up whatever chemical compounds and/or trash lie on pavement and flow directly into our creeks, streams and river. The stormwater utility will help us restore the natural hydrologic function we disrupted with pavement and other impervious surfaces, and would slow, cleanse and recharge groundwater once again. This reversal would not only benefit people, but also the animals and fish that rely on those water sources.

LESS FLOODING

The stormwater utility will help Peoria afford more street sweeping, preventing flooding from pollution-clogged inlets. Also, green infrastructure will help absorb and retain water, lessening the occurrence of flooding.

POSITIVE ECONOMIC IMPACT

We will increase surrounding property values by improving public rights-of-way and repurposing vacant/blighted lots. We will also spur reinvestment and increase economic activity, including tourism, for nearby businesses by creating green spaces and roads that encourage multiple types of transportation.

EMPLOYMENT OPPORTUNITIES

A portion of the stormwater utility will be used for green infrastructure maintenance, which would provide a scale and scope of design and construction work that could be met by local companies. Green infrastructure could create a demand for workforce training and education to build capacity for these public and private jobs.

PEACEFUL GREEN SPACES

Using green infrastructure (bump-outs, bioswales, green streets, rain gardens) to address CSOs and stormwater runoff will beautify areas of town, especially parts of older neighborhoods. Studies have shown that green spaces are linked to improvements in mental health, stress reduction and can foster community.

CRIME MITIGATION

We can create landscape designs that maintain sight lines, define public and private spaces, control access and encourage residents to spend time outside interacting and building stronger community ties.

Do other Illinois communities charge stormwater utility fees?

There are at least 16 other cities in Illinois that have adopted similar fees, including:

- Morton
- Eureka
- Bloomington
- Normal
- Champaign
- Urbana
- Moline
- Rock Island
- Rolling Meadows
- And more

How do I calculate the amount of impervious surface on my property?

We will calculate the amount of impervious surface on properties using geographic information system, or GIS, data. This information will be available online soon.

Are any properties exempt from the stormwater utility fee?

All properties are subject to the stormwater utility fee except the public right-of-way. Public streets are designed to be part of the stormwater system and therefore are exempt from the fee.

When and how will I receive my bill?

The utility will go into effect June 1, with the first billing being mailed out summer 2018. There will be an option to pay your stormwater utility bill online.

Nobody likes new fees, but the cost of ignoring our wet weather issues will be much higher for our community—and far less equitable or predictable.

How can I reduce my fee?

We are currently exploring credits and incentives that make sense for our community. These fee reductions will be given to property owners who lessen their properties' runoff by making positive changes, like installing a rain garden or using permeable pavers.

Do you have ideas for possible credits and incentives? Please contact Public Works; we are open to suggestions.

How can I get involved?

There are many ways you can make a difference. Take steps to reduce runoff and pollution on your property by exploring sustainable solutions, like rain gardens, permeable pavers, porous concrete, green roofs and other options.

Where can I learn more?

To discuss specifics related to your property and its stormwater contribution, please contact Public Works at stormwater@peoriagov.org. To learn more about these wet weather issues, please visit PeoriaStormwater.com.

FREQUENTLY ASKED QUESTIONS

Stormwater Utility Credits and Grants

Stormwater management is a community-wide responsibility. The credits and grants reward property owners for managing stormwater and maintaining stormwater infrastructure on properties not owned by the City. To learn more about credits and grants, please read the draft of the Credit Manual available at http://www.peoriagov.org/wetweather/library/ under "Stormwater Utility."

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1. **Can my existing best management practice (rain garden, detention pond, permeable pavement, etc.,) be used?**
   Your existing best management practice may qualify for a credit if it was built to the required credit design standards, has been properly maintained and functions as it was designed to function. Your existing best management practice must have its original capacity to qualify.

2. **Can brick or gravel be considered permeable?**
   Both brick and gravel are considered impervious surfaces as they are typically not designed for stormwater infiltration. However, in the rare instance that these materials are used in a way designed for stormwater infiltration, the project may qualify for a green infrastructure or rate reduction credit.

3. **Do cisterns qualify for credits?**
   Most cisterns will not qualify for credits. Cisterns are underground tanks that can hold stormwater. Many cisterns are old and filled with rock (which is challenging to see as they are underground). Cisterns must have a pump in order to drain the water to have the capacity to hold more water. Most cisterns do not have a pump and a mere hand/manual pump wouldn't be sufficient for the amount of water the cistern holds. It might take a person hours to pump out all of that water, which isn't realistic. If an automatic pump was installed, the project may qualify for an innovation credit.

4. **If I drain my downspouts to grass, do I need to pay the utility fee?**
   You would still need to pay the utility fee because most surfaces, including grass, generate stormwater runoff. Native prairies and woodlands still generate runoff. Grass just generates less runoff than impervious surfaces. The City is using impervious area to determine each property's use of the system. This methodology is used by many other cities for their stormwater utilities.

   If the City were to do an actual drainage analysis of every property (that would be over 46,800 properties!), the administrative cost would be high and the general outcome of that effort would result in a cost distribution similar to using impervious area information.

5. **Are there options for residents with low or fixed income?**
   The City is exploring solutions to lessen the impact of the stormwater utility on residents who have low income. We have discovered that most stormwater utilities do not offer a low or fixed income program.

6. **If I drain to a creek, ravine, pond or lake, am I exempt from paying or would I qualify for a credit/grant?**
   Property owners who drain to a creek, ravine, pond or lake still must pay the stormwater utility fee. These waterbodies are important parts of the stormwater infrastructure system. Lakes often feature overflow structures that drain water into the stormwater system when the level rises too high.

   The stormwater system is made up of City-owned and privately-owned infrastructure and the utility will provide funds to help maintain that infrastructure. The Private Property Drainage Assistance Program and Stormwater Infrastructure Investment Grant are two programs to help private infrastructure maintenance.

7. **If I drain to the County/Peoria Heights/etc., do I pay?**
   Property owners who drain to the County or Peoria Heights will still pay a stormwater utility fee because their property has access to the stormwater system. Everyone benefits from good stormwater infrastructure and drainage even if their property drains elsewhere. Their property would be impacted if the stormwater infrastructure failed. The City of Peoria is following industry standard and is charging everyone who is within city limits.

8. **If I construct a best management practice because it's mandated by ordinance, can I receive a grant or credit?**
   If you are required to construct something by ordinance, you cannot receive a grant but you may be eligible for a credit. Grants reward green infrastructure construction when it isn't mandated, but rather the property owner is taking extra steps to improve their property.

Learn more at OneWaterPeoria.com

APPENDIX F - MAINTENANCE PERFORMED BY PEORIACORPS

Landscape Maintenance and Surface Level Green Infrastructure within the City of Peoria

Basic landscape maintenance would comprise of weeding of landscaped grounds through herbaceous and woody plant material. PeoriaCorps manages sites through pruning and shaping of woody plants; watering, transplanting, planting, raking and cleaning organic matter and working with city engineers, city personnel, and contractors. Other forms of maintenance consist of litter removal from city ROW, sites, and keeping the storm drains clear of debris.

Tools used by PC are basic hand tools, power tools are not handled by cohort members; neither are the use of pesticides. Both of which can determine how long a project might take depending on members presence.

Trees are planted throughout the city to revitalize aged trees in older neighborhoods. It has been a focused collaborative effort between the Forestry Div. within Public Works and PeoriaCorps to plant more trees within the CSO district to assist in the mediation of stormwater management, obtaining the status of a Tree City USA, and to keep Peoria beautiful.

Surface level green infrastructure management that PeoriaCorps performs assists the plant material in having the best opportunity for survival. This is managed through invasive species removal, deadheading of flowers, harvesting seeds, watering when needed, proper timing for seasonal cut-back of plant growth, and the removal of litter. Other forms of management might consist of adding, removal, and/or keeping the mulch fresh on the site.

Sites in Detail

Parking Lots

PeoriaCorps is responsible for different variations of maintenance and management; the parking lots of Main & University and Main & Douglas have mostly turf grass (of which PC (PeoriaCorps) does not maintain). PC does perform maintenance on the planting beds which currently consist of non-native plant material (herbaceous shrubs, woody shrubs, trees). PC performs litter removal at least twice a month during the cold months and once a week during the warm months. Time to manage these sites would range up to four hours a visit.

City Campuses

City Hall, Peoria Police Department and the Municipal Building have similarities in the plant material which is ranged from non-native to native plants on the grounds; but can still be managed as a normal landscape. Plants would need to be weeded and watered (when necessary) during the warm months, pruned throughout the season, cut back in the fall, and the flower beds prepared for the spring. Also, litter removal is performed with similar intents as the parking lots with more or less frequency. Time on these sites could range from four hours to eighteen hours as the care and appearance is of high importance.

Green Infrastructure

Warehouse District Bioretention planters (Washington Street: Maple – State), Washington Street Prairie, Liberty Park Rain Garden, Public Works Rain Garden and the Tree Wells Farm at Voris Field all need to be managed more selectively and maintained with minimal disturbance of the overall environment with

the exception to litter removal. All of the sites except the tree farm would be weeded at least once a week through the spring then shift to as-needed throughout the summer and fall. Time spent on these sites would range between four to thirty hours a week depending on the level of management required at the site.

Plazas and ROWs

Fulton Plaza has very little maintenance performed as most of the space is dominated by turf grass and pavement. The hanging baskets are planted and maintained by the Peoria Park District, the planters at the ground level are maintained by PC and litter removal is performed every other week; and at least once a month during the cold season. ROW throughout the city are on an as-needed basis through requests whether on green infrastructure projects, in the CSO districts, or along the city's road grid.

Time varies from two hours to six hours a week depending on the level of maintenance that is needed for the site.

2019 TELEVISING REPORT

The Sewer Televising crew spends most of their time assessing the condition of the storm sewer, at the same time a significant amount of time goes into inspecting pipes that have requested by both staff and citizens of the city to determine causes of sinkholes and road failures as well as to inspect predetermined road projects. Pipeline Assessment and Certification Program (PACP) is the standard that is used to evaluate the conditions of the pipe. Each storm sewer has a rating which varies depending on the condition of the pipe. This rating system allows other staff to plan for repairs and request appropriate budgets. If repairs can be made when issues are small, then they will cost less compared to ifwe wait for the pipes to fail.

The City's storm sewer system is mapped partially on paper and partially in the GIS system. The sewer camera allows us to see underground in the pipes and the structures in our system. A locator on the camera allows us to collect the location of the underground structures that are not currently mapped in GIS.

In 2019; there were 331 inspections, a total of 25,358.02 feet of video feed was inspected with the sewer camera. Of the 331, 71 inspections were due to service requests during the past year. Overall, this year was a success and has been an asset to both our Operations and Engineering Divisions.

Reporting Dates 01/01/2019 01/01/2020

City of Peoria

Cost Summary By Task

Task	Activities	Labor Hours	Labor Cost	Eqp Cost	Mat Cost	Con Cost	Overhead	Total Cost
Storm Sewers Cleaning	160	1,042.50	$32,752.50	$22,205.94	$65.00	$0.00	$0.00	$55,023.44
Tasks: 1	**160**	**1,042.50**	**$32,752.50**	**$22,205.94**	**$65.00**	**$0.00**	**$0.00**	**$55,023.44**

Task	Activities	Labor Hours	Labor Cost	Eqp Cost	Mat Cost	Con Cost	Overhead	Total Cost
Headwall Cleaning	12	376.00	$11,984.37	$11,260.39	$202.81	$0.00	$0.00	$23,447.56
Tasks: 1	**12**	**376.00**	**$11,984.37**	**$11,260.39**	**$202.81**	**$0.00**	**$0.00**	**$23,447.56**

Task	Activities	Labor Hours	Labor Cost	Eqp Cost	Mat Cost	Con Cost	Overhead	Total Cost
Storm Sewer Repair	158	2,656.50	$83,296.53	$77,100.72	$21,662.44	$411.18	$0.00	$182,470.87
Tasks: 1	**158**	**2,656.50**	**$83,296.53**	**$77,100.72**	**$21,662.44**	**$411.18**	**$0.00**	**$182,470.87**

2019 PW FORESTRY SERVICES

Monthly Expense	
April	$ 14,121.35
May	$ 27,824.24
June	$ 21,238.38
July	$ 30,733.45
August	$ 16,069.00
September	$ 14,865.00
October	$ 15,101.50
November	$ 5,898.00
December	$ 4,149.08

Notes

1. Road spraying and preemergent accounts for ~45% of overall budget, inclusive of material

2. Mulch production, delivery, and installation accounts for ~10% of budget

3. Of remaining 45% of budget, greater than 60% is accounted for in stormwater planters and roundabouts, particularly in Warehouse district and the 3 northern roundabouts. This is partially due to their recent construction, in addition to the higher standard of these beds

4. Rockwood, Sterling, and Washington rose beds also account for roughly 7% of the overall budget

Landscape Planters	Trim, clean, weed, mulch, chemical treatment University and Main
Russell St Diverters	
University and Columbia Terrace	
Sheridan and Main	Checkup, mostly maintained by neighborhood
Duryea and Moss	
Sheridan and Columbia Terrace East	
side Western, Below MLK	
SW Adams, Gateway sign to turnabout	
Traffic Divertors, South of Main St Dusable	
Park, Gwynn and Pryor	
Macarthur and Richard Allen	Rain Garden
Macarthur, Base of hill goose lake sign side	
Walnut, Washington to Water Adams	
Pilot, Pecan to Persimmon Adams,	
Pecan to Kumpf	
Kumpf medians, Jefferson to Main	
Washington, State to Liberty	Also double check PeoriaCorps beds and chemical treatment
Side streets, Warehouse District	
Police/Municipal building beds	Trim, weed, mulch etc
Washington at I74	

Knoxville and 74, top of hill	
Pennsylvania and New York	
Glen Oak Roundabout	
California and Nebraska	Rain garden in ROW
Spring St Greenway	Several corner parks
Ben Henry Park, Spring	
Madison and Abington	
Heart of Peoria Park 307 W Nebraska	
Dries Lane PW	And spray parking lot/storage areas
Washington St Public Works	Parking lot spray, sidewalks
PPD Storage lot, Washington st	Remove/Spray brush
Sterling at 74	
War and Rockwood	
War and Grand	
Fire Station 14 Route 29 ESDA,	
Grandview Dr	
Route 91 and Radnor Roundabout Allen	
and Hickory Grove Roundabout	
Allen and Alta Roundabout	Plus grass trim down 2x/year minimum
Newman Parkway, Lehman Road	
War and Knoxville	
Fire Training academy, Route 29	
MLK drive, hillside, Macarthur to Western	Trim, spray, gutter pan trim
"PEORIA" plantings, Washington St	
3560 SW Adams	Mow, spray fencelines
Folkers Ave near Trewyn Middle School	New construction 2018, Maintain for 2019?
Moss to MLK abandoned ROW	Clean, spray
City hall/Fulton Sq	As needed to help PeoriaCorps
MacArthur, base of hill	For 2020, Large retention basin

All beds receive mulch

Weed control in turfgrass on all COP mowed ROW routes	6 mow routes, roughly 70 acres (1-2 treatments/year)
Detention Basins	On list (6 locations), mowed, trimmed, cleaned, chemical application as needed

Spray locations High
Critical (4x/year)
Arterials/High visibility
Downtown high traffic
Major feeder streets
I74/war memorial traffic islands

RT 150, trim and spray, Bridge to Grand	Sidewalks etc

Guardrails
Maintained 2-3 times per year
Trimmed and Sprayed (Glyphosate or 2,4-D)
~7500 feet, cut and sprayed 3'+ on either side

Residential Area Spray
2-3 /year spray
Central Peoria
Arbor district

East bluff
South end major residentials

Charter oak bike path	Trimming of cracks required

Brick (1-2/year)
Off MLK to Third
Millman, Macarthur to Webster
Butler, Macarthur to Webster
Aiken, Blaine to Stebuenville
MLK, Macarthur to Union
East bluff, Wisconsin to Prospect, Mcclure to Nebraska

Customer Summary Report
Criteria: 01/01/2019 12:00 AM to 12/31/2019 11:59 PM
Business Unit Name: Peoria City/County Landfill - S04833 (USA)
User: bhofer
Date: Feb 04 2020, 1:48:36 PM - Central Standard Time
Operation Type: All
Customer Name: CITY OF PEORIA (DRIES LN) (CITY OF PEORIA)
Ticket Type: All
Customer Type: All
PMT Category: All
Profile:

City of Peoria

Cost Summary By Task

Reporting Dates 01/01/2019 01/01/2020

Task	Activities	Labor Hours	Labor Cost	Eqp Cost	Mat Cost	Con Cost	Overhead	Total Cost
Street Sweeping	654	8,593.50	$275,664.74	$453,718.24	$0.00	$0.00	$0.00	$729,382.97
Tasks: 1	**654**	**8,593.50**	**$275,664.74**	**$453,718.24**	**$0.00**	**$0.00**	**$0.00**	**$729,382.97**

Ticket Date	Ticket ID	Cust Code	NAS Unique ID	Customer	Truck	Material	Material Description	Rate	Rate Unit	Rate Qty	Yards	Tons	Material Revenue	Tax Revenue	Surcharge Revenue	Total
1/2/2019	1164826	0000794	103474883008	CITY OF PEORIA	247	1000T	MSW TON	$67.37	TON	15.35	20	15.35	$1,034.15	$0.00	$0.00	$1,034.15
1/2/2019	1164840	0000794	103474883008	CITY OF PEORIA	247	1000T	MSW TON	$67.37	TON	16.02	20	16.02	$1,079.27	$0.00	$0.00	$1,079.27
1/2/2019	1164871	0000794	103474883008	CITY OF PEORIA	160	1000T	MSW TON	$67.37	TON	7.08	5	7.08	$476.98	$0.00	$0.00	$476.98
1/2/2019	1164881	0000794	103474883008	CITY OF PEORIA	247	1000T	MSW TON	$67.37	TON	14.17	20	14.17	$954.63	$0.00	$0.00	$954.63
1/2/2019	1164904	0000794	103474883008	CITY OF PEORIA	247	1000T	MSW TON	$67.37	TON	12.7	20	12.7	$855.69	$0.00	$0.00	$855.69
1/2/2019	1164908	0000794	103474883008	CITY OF PEORIA	160	1000T	MSW TON	$67.37	TON	5.76	5	5.76	$388.05	$0.00	$0.00	$388.05
1/2/2019	1164929	0000794	103474883008	CITY OF PEORIA	247	1000T	MSW TON	$67.37	TON	11.13	20	11.13	$749.15	$0.00	$0.00	$749.15
1/2/2019	1164937	0000794	103474883008	CITY OF PEORIA	160	1000T	MSW TON	$67.37	TON	6.15	5	6.15	$414.33	$0.00	$0.00	$414.33
1/4/2019	1165109	0000794	103474883008	CITY OF PEORIA	247	1000T	MSW TON	$67.37	TON	13.19	20	13.19	$888.61	$0.00	$0.00	$888.61
1/4/2019	1165113	0000794	103474883008	CITY OF PEORIA	247	1000T	MSW TON	$67.37	TON	15.77	20	15.77	$1,062.43	$0.00	$0.00	$1,062.43
1/4/2019	1165150	0000794	103474883008	CITY OF PEORIA	247	1000T	MSW TON	$67.37	TON	16.25	20	16.25	$1,094.76	$0.00	$0.00	$1,094.76
1/4/2019	1165216	0000794	103474883008	CITY OF PEORIA	247	1000T	MSW TON	$67.37	TON	10.57	20	10.57	$712.10	$0.00	$0.00	$712.10
1/7/2019	1165434	0000794	103474883008	CITY OF PEORIA	247	1000T	MSW TON	$67.37	TON	11.49	20	11.49	$774.08	$0.00	$0.00	$774.08
1/7/2019	1165450	0000794	103474883008	CITY OF PEORIA	247	1000T	MSW TON	$67.37	TON	11.91	20	11.91	$802.38	$0.00	$0.00	$802.38
1/7/2019	1165498	0000794	103474883008	CITY OF PEORIA	247	1000T	MSW TON	$67.37	TON	13.66	20	13.66	$920.27	$0.00	$0.00	$920.27
3/22/2019	1171832	0000794	103474883008	CITY OF PEORIA	247	1000T	MSW TON	$67.37	TON	21.52	20	21.52	$1,449.83	$0.00	$0.00	$1,449.83
3/22/2019	1171840	0000794	103474883008	CITY OF PEORIA	247	1000T	MSW TON	$67.37	TON	16.68	20	16.68	$1,123.73	$0.00	$0.00	$1,123.73
3/22/2019	1171875	0000794	103474883008	CITY OF PEORIA	247	1000T	MSW TON	$67.37	TON	16.13	20	16.13	$1,086.68	$0.00	$0.00	$1,086.68
3/22/2019	1171906	0000794	103474883008	CITY OF PEORIA	247	1000T	MSW TON	$67.37	TON	17.58	20	17.58	$1,184.37	$0.00	$0.00	$1,184.37
3/22/2019	1171914	0000794	103474883008	CITY OF PEORIA	247	1000T	MSW TON	$67.37	TON	25.44	20	25.44	$1,713.89	$0.00	$0.00	$1,713.89
3/27/2019	1172490	0000794	103474883008	CITY OF PEORIA	247	1000T	MSW TON	$67.37	TON	22.91	20	22.91	$1,543.45	$0.00	$0.00	$1,543.45
3/27/2019	1172466	0000794	103474883008	CITY OF PEORIA	247	1000T	MSW TON	$67.37	TON	24.5	20	24.5	$1,650.57	$0.00	$0.00	$1,650.57
3/27/2019	1172478	0000794	103474883008	CITY OF PEORIA	247	1000T	MSW TON	$67.37	TON	18.53	20	18.53	$1,315.74	$0.00	$0.00	$1,315.74
3/27/2019	1172520	0000794	103474883008	CITY OF PEORIA	247	1000T	MSW TON	$67.37	TON	23.4	20	23.4	$1,576.46	$0.00	$0.00	$1,576.46
3/27/2019	1172539	0000794	103474883008	CITY OF PEORIA	247	1000T	MSW TON	$67.37	TON	21.38	20	21.38	$1,440.37	$0.00	$0.00	$1,440.37
3/28/2019	1172567	0000794	103474883008	CITY OF PEORIA	247	1000T	MSW TON	$67.37	TON	21.48	20	21.48	$1,447.11	$0.00	$0.00	$1,447.11
3/28/2019	1172601	0000794	103474883008	CITY OF PEORIA	247	1000T	MSW TON	$67.37	TON	24.36	20	24.36	$1,641.13	$0.00	$0.00	$1,641.13
3/28/2019	1172620	0000794	103474883008	CITY OF PEORIA	247	1000T	MSW TON	$67.37	TON	25.58	20	25.58	$1,723.33	$0.00	$0.00	$1,723.33
3/28/2019	1172652	0000794	103474883008	CITY OF PEORIA	247	1000T	MSW TON	$67.37	TON	23.58	20	23.58	$1,588.59	$0.00	$0.00	$1,588.59
3/28/2019	1172682	0000794	103474883008	CITY OF PEORIA	247	1000T	MSW TON	$67.37	TON	20.57	20	20.57	$1,385.80	$0.00	$0.00	$1,385.80
3/28/2019	1172701	0000794	103474883008	CITY OF PEORIA	247	1000T	MSW TON	$67.37	TON	23.64	20	23.64	$1,592.63	$0.00	$0.00	$1,592.63
4/5/2019	1173564	0000794	103474883008	CITY OF PEORIA	247	1000T	MSW TON	$67.37	TON	21.94	20	21.94	$1,478.10	$0.00	$0.00	$1,478.10
4/5/2019	1173577	0000794	103474883008	CITY OF PEORIA	247	1000T	MSW TON	$67.37	TON	20.55	20	20.55	$1,384.45	$0.00	$0.00	$1,384.45
4/5/2019	1173805	0000794	103474883008	CITY OF PEORIA	247	1000T	MSW TON	$67.37	TON	16.63	20	16.63	$1,120.36	$0.00	$0.00	$1,120.36

4/5/2019	1173645	0000794	1034748883008	CITY OF PEORIA	247	1000T	MSW TON	$67.37/TON	20.95	20	20.95	$1,411.46	$0.00	$0.00	$0.00	$0.00	$1,411.46
4/5/2019	1173673	0000794	1034748883008	CITY OF PEORIA	247	1000T	MSW TON	$67.37/TON	23.47	20	23.47	$1,581.17	$0.00	$0.00	$0.00	$0.00	$1,581.17
4/11/2019	1174311	0000794	1034748883008	CITY OF PEORIA	247	1000T	MSW TON	$67.37/TON	25.22	20	25.22	$1,699.07	$0.00	$0.00	$0.00	$0.00	$1,699.07
4/11/2019	1174326	0000794	1034748883008	CITY OF PEORIA	247	1000T	MSW TON	$67.37/TON	23.22	20	23.22	$1,496.06	$0.00	$0.00	$0.00	$0.00	$1,496.06
4/11/2019	1174344	0000794	1034748883008	CITY OF PEORIA	247	1000T	MSW TON	$67.37/TON	19.13	20	19.13	$1,288.79	$0.00	$0.00	$0.00	$0.00	$1,288.79
4/11/2019	1174392	0000794	1034748883008	CITY OF PEORIA	247	1000T	MSW TON	$67.37/TON	18.06	20	18.06	$1,215.36	$0.00	$0.00	$0.00	$0.00	$1,215.36
4/16/2019	1174851	0000794	1034748883008	CITY OF PEORIA	247	1000T	MSW TON	$67.37/TON	18.41	20	18.41	$1,240.28	$0.00	$0.00	$0.00	$0.00	$1,240.28
4/16/2019	1174885	0000794	1034748883008	CITY OF PEORIA	247	1000T	MSW TON	$67.37/TON	20.86	20	20.86	$1,405.34	$0.00	$0.00	$0.00	$0.00	$1,405.34
4/16/2019	1174888	0000794	1034748883008	CITY OF PEORIA	247	1000T	MSW TON	$67.37/TON	20.02	20	20.02	$1,348.75	$0.00	$0.00	$0.00	$0.00	$1,348.75
4/16/2019	1174911	0000794	1034748883008	CITY OF PEORIA	247	1000T	MSW TON	$67.37/TON	20.58	20	20.58	$1,386.48	$0.00	$0.00	$0.00	$0.00	$1,386.48
4/16/2019	1174957	0000794	1034748883008	CITY OF PEORIA	247	1000T	MSW TON	$67.37/TON	18.49	20	18.49	$1,245.67	$0.00	$0.00	$0.00	$0.00	$1,245.67
4/22/2019	1175593	0000794	1034748883008	CITY OF PEORIA	247	1000T	MSW TON	$67.37/TON	17.83	20	17.83	$1,201.21	$0.00	$0.00	$0.00	$0.00	$1,201.21
4/22/2019	1175619	0000794	1034748883008	CITY OF PEORIA	247	1000T	MSW TON	$67.37/TON	17.9	20	17.9	$1,165.56	$0.00	$0.00	$0.00	$0.00	$1,165.56
4/22/2019	1175666	0000794	1034748883008	CITY OF PEORIA	247	1000T	MSW TON	$67.37/TON	17.16	20	17.16	$1,154.72	$0.00	$0.00	$0.00	$0.00	$1,154.72
4/26/2019	1176976	0000794	1034748883008	CITY OF PEORIA	247	1000T	MSW TON	$67.37/TON	17.49	20	17.49	$1,178.36	$0.00	$0.00	$0.00	$0.00	$1,178.36
4/24/2019	1176915	0000794	1034748883008	CITY OF PEORIA	247	1000T	MSW TON	$67.37/TON	15.59	20	15.59	$1,050.36	$0.00	$0.00	$0.00	$0.00	$1,050.36
4/29/2019	1176423	0000794	1034748883008	CITY OF PEORIA	247	1000T	MSW TON	$67.37/TON	17.27	20	17.27	$1,163.48	$0.00	$0.00	$0.00	$0.00	$1,163.48
4/29/2019	1176439	0000794	1034748883008	CITY OF PEORIA	247	1000T	MSW TON	$67.37/TON	18.4	20	18.4	$1,239.61	$0.00	$0.00	$0.00	$0.00	$1,239.61
4/29/2019	1176452	0000794	1034748883008	CITY OF PEORIA	247	1000T	MSW TON	$67.37/TON	18.35	20	18.35	$1,236.24	$0.00	$0.00	$0.00	$0.00	$1,236.24
4/29/2019	1176466	0000794	1034748883008	CITY OF PEORIA	247	1000T	MSW TON	$67.37/TON	15.42	20	15.42	$1,038.85	$0.00	$0.00	$0.00	$0.00	$1,038.85
4/29/2019	1176489	0000794	1034748883008	CITY OF PEORIA	247	1000T	MSW TON	$67.37/TON	22.82	20	22.82	$1,537.38	$0.00	$0.00	$0.00	$0.00	$1,537.38
4/29/2019	1176504	0000794	1034748883008	CITY OF PEORIA	247	1000T	MSW TON	$67.37/TON	19.61	20	19.61	$1,321.13	$0.00	$0.00	$0.00	$0.00	$1,321.13
4/30/2019	1176533	0000794	1034748883008	CITY OF PEORIA	247	1000T	MSW TON	$67.37/TON	20.49	20	20.49	$1,380.41	$0.00	$0.00	$0.00	$0.00	$1,380.41
4/30/2019	1176546	0000794	1034748883008	CITY OF PEORIA	247	1000T	MSW TON	$67.37/TON	15.98	20	15.98	$1,075.23	$0.00	$0.00	$0.00	$0.00	$1,075.23
4/30/2019	1176591	0000794	1034748883008	CITY OF PEORIA	247	1000T	MSW TON	$67.37/TON	15.92	20	15.92	$1,065.79	$0.00	$0.00	$0.00	$0.00	$1,065.79
5/1/2019	1176704	0000794	1034748883008	CITY OF PEORIA	247	1000T	MSW TON	$67.37/TON	18.97	20	18.97	$1,257.80	$0.00	$0.00	$0.00	$0.00	$1,257.80
5/1/2019	1176722	0000794	1034748883008	CITY OF PEORIA	247	1000T	MSW TON	$67.37/TON	20.27	20	20.27	$1,355.58	$0.00	$0.00	$0.00	$0.00	$1,355.58
5/8/2019	1177476	0000794	1034748883008	CITY OF PEORIA	247	1000T	MSW TON	$67.37/TON	18.79	20	18.79	$1,265.88	$0.00	$0.00	$0.00	$0.00	$1,265.88
5/8/2019	1177485	0000794	1034748883008	CITY OF PEORIA	247	1000T	MSW TON	$67.37/TON	16.6	20	16.6	$1,118.34	$0.00	$0.00	$0.00	$0.00	$1,118.34
5/8/2019	1177502	0000794	1034748883008	CITY OF PEORIA	247	1000T	MSW TON	$67.37/TON	14.39	20	14.39	$969.45	$0.00	$0.00	$0.00	$0.00	$969.45
5/10/2019	1177897	0000794	1034748883008	CITY OF PEORIA	247	1000T	MSW TON	$67.37/TON	23.46	20	23.46	$1,580.56	$0.00	$0.00	$0.00	$0.00	$1,580.56
5/21/2019	1179108	0000794	1034748883008	CITY OF PEORIA	247	1000T	MSW TON	$67.37/TON	20.67	20	20.67	$1,392.54	$0.00	$0.00	$0.00	$0.00	$1,392.54
5/21/2019	1179197	0000794	1034748883008	CITY OF PEORIA	247	1000T	MSW TON	$67.37/TON	22.02	20	22.02	$1,483.48	$0.00	$0.00	$0.00	$0.00	$1,483.48
5/21/2019	1179183	0000794	1034748883008	CITY OF PEORIA	247	1000T	MSW TON	$67.37/TON	23.88	20	23.88	$1,608.66	$0.00	$0.00	$0.00	$0.00	$1,608.66
5/21/2019	1179173	0000794	1034748883008	CITY OF PEORIA	247	1000T	MSW TON	$67.37/TON	20.08	20	20.08	$1,352.76	$0.00	$0.00	$0.00	$0.00	$1,352.76
5/21/2019	1179210	0000794	1034748883008	CITY OF PEORIA	247	1000T	MSW TON	$67.37/TON	12.14	20	12.14	$817.87	$0.00	$0.00	$0.00	$0.00	$817.87
5/30/2019	1180505	0000794	1034748883008	CITY OF PEORIA	247	1000T	MSW TON	$67.37/TON	18.31	20	18.31	$1,233.55	$0.00	$0.00	$0.00	$0.00	$1,233.55
5/30/2019	1180210	0000794	1034748883008	CITY OF PEORIA	247	1000T	MSW TON	$67.37/TON	15.06	20	15.06	$1,014.59	$0.00	$0.00	$0.00	$0.00	$1,014.59
5/30/2019	1180234	0000794	1034748883008	CITY OF PEORIA	247	1000T	MSW TON	$67.37/TON	10.5	20	10.5	$707.39	$0.00	$0.00	$0.00	$0.00	$707.39
5/30/2019	1180269	0000794	1034748883008	CITY OF PEORIA	247	1000T	MSW TON	$67.37/TON	14.57	20	14.57	$981.58	$0.00	$0.00	$0.00	$0.00	$981.58
6/5/2019	1181064	0000794	1034748883008	CITY OF PEORIA	247	1000T	MSW TON	$67.37/TON	18.39	20	18.39	$1,238.93	$0.00	$0.00	$0.00	$0.00	$1,238.93
6/5/2019	1181085	0000794	1034748883008	CITY OF PEORIA	247	1000T	MSW TON	$67.37/TON	17.26	20	17.26	$1,162.81	$0.00	$0.00	$0.00	$0.00	$1,162.81
6/5/2019	1181127	0000794	1034748883008	CITY OF PEORIA	247	1000T	MSW TON	$67.37/TON	14.14	20	14.14	$952.61	$0.00	$0.00	$0.00	$0.00	$952.61
6/5/2019	1181142	0000794	1034748883008	CITY OF PEORIA	247	1000T	MSW TON	$67.37/TON	20.51	20	20.51	$1,381.76	$0.00	$0.00	$0.00	$0.00	$1,381.76
6/10/2019	1181809	0000794	1034748883008	CITY OF PEORIA	247	1000T	MSW TON	$67.37/TON	15.98	20	15.98	$1,076.15	$0.00	$0.00	$0.00	$0.00	$1,076.15
6/10/2019	1181846	0000794	1034748883008	CITY OF PEORIA	247	1000T	MSW TON	$67.37/TON	17.69	20	17.69	$1,191.78	$0.00	$0.00	$0.00	$0.00	$1,191.78
6/14/2019	1182339	0000794	1034748883008	CITY OF PEORIA	247	1000T	MSW TON	$67.37/TON	14.78	20	14.78	$995.73	$0.00	$0.00	$0.00	$0.00	$995.73

6/14/2019	1182355	0000794	1034748830	CITY OF PEORIA	247	1000T	MSW TON	$67.37	TON	17.21	20	17.21	$1,159.44	$0.00		$0.00	$1,159.44
6/14/2019	1182377	0000794	1034748830	CITY OF PEORIA	247	1000T	MSW TON	$67.37	TON	12.69	20	12.69	$854.93	$0.00		$0.00	$854.93
6/14/2019	1182436	0000794	1034748830	CITY OF PEORIA	247	1000T	MSW TON	$67.37	TON	12.26	20	12.26	$825.96	$0.00		$0.00	$825.96
6/14/2019	1182699	0000794	1034748830	CITY OF PEORIA	247	1000T	MSW TON	$67.37	TON	23.81	20	23.81	$1,604.08	$0.00		$0.00	$1,604.08
6/18/2019	1182921	0000794	1034748830	CITY OF PEORIA	146	1000T	MSW TON	$67.37	TON	1.39	5	1.39	$93.64	$0.00		$0.00	$93.64
6/18/2019	1182961	0000794	1034748830	CITY OF PEORIA	146	1000T	MSW TON	$67.37	TON	4	5	4	$269.48	$0.00		$0.00	$269.48
6/18/2019	1182962	0000794	1034748830	CITY OF PEORIA	146	1000T	MSW TON	$67.37	TON	3.66	5	3.66	$246.57	$0.00		$0.00	$246.57
6/18/2019	1182948	0000794	1034748830	CITY OF PEORIA	146	1000T	MSW TON	$67.37	TON	5.51	5	5.51	$371.21	$0.00		$0.00	$371.21
6/18/2019	1182907	0000794	1034748830	CITY OF PEORIA	146	1000T	MSW TON	$67.37	TON	5.92	5	5.92	$398.83	$0.00		$0.00	$398.83
6/18/2019	1182835	0000794	1034748830	CITY OF PEORIA	247	1000T	MSW TON	$67.37	TON	15.35	20	15.35	$1,034.13	$0.00		$0.00	$1,034.13
6/18/2019	1182858	0000794	1034748830	CITY OF PEORIA	247	1000T	MSW TON	$67.37	TON	23.14	20	23.14	$1,558.84	$0.00		$0.00	$1,558.84
6/24/2019	1184135	0000794	1034748830	CITY OF PEORIA	247	1000T	MSW TON	$67.37	TON	17.01	20	17.01	$1,145.96	$0.00		$0.00	$1,145.96
6/24/2019	1184158	0000794	1034748830	CITY OF PEORIA	247	1000T	MSW TON	$67.37	TON	21.34	20	21.34	$1,437.68	$0.00		$0.00	$1,437.68
6/28/2019	1184177	0000794	1034748830	CITY OF PEORIA	247	1000T	MSW TON	$67.37	TON	23.29	20	23.29	$1,569.05	$0.00		$0.00	$1,569.05
6/28/2019	1184200	0000794	1034748830	CITY OF PEORIA	247	1000T	MSW TON	$67.37	TON	15.54	20	15.54	$1,047.35	$0.00		$0.00	$1,047.35
6/28/2019	1184298	0000794	1034748830	CITY OF PEORIA	247	1000T	MSW TON	$67.37	TON	14.16	20	14.16	$953.96	$0.00		$0.00	$953.96
7/8/2019	1185369	0000794	1034748830	CITY OF PEORIA	247	1000T	MSW TON	$67.37	TON	23.02	20	23.02	$1,550.86	$0.00		$0.00	$1,550.86
7/9/2019	1185397	0000794	1034748830	CITY OF PEORIA	247	1000T	MSW TON	$67.37	TON	21.6	20	21.6	$1,455.19	$0.00		$0.00	$1,455.19
7/10/2019	1186432	0000794	1034748830	CITY OF PEORIA	247	1000T	MSW TON	$67.37	TON	17.35	20	17.35	$1,168.87	$0.00		$0.00	$1,168.87
7/10/2019	1186447	0000794	1034748830	CITY OF PEORIA	247	1000T	MSW TON	$67.37	TON	14.48	20	14.48	$975.52	$0.00		$0.00	$975.52
7/15/2019	1186461	0000794	1034748830	CITY OF PEORIA	247	1000T	MSW TON	$67.37	TON	10.94	20	10.94	$730.29	$0.00		$0.00	$730.29
7/26/2019	1187778	0000794	1034748830	CITY OF PEORIA	247	1000T	MSW TON	$67.37	TON	22.15	20	22.15	$1,454.94	$0.00		$0.00	$1,454.94
7/26/2019	1187787	0000794	1034748830	CITY OF PEORIA	247	1000T	MSW TON	$67.37	TON	22.42	20	22.42	$1,510.44	$0.00		$0.00	$1,510.44
7/26/2019	1187821	0000794	1034748830	CITY OF PEORIA	247	1000T	MSW TON	$67.37	TON	21.62	20	21.62	$1,456.54	$0.00		$0.00	$1,456.54
7/26/2019	1187849	0000794	1034748830	CITY OF PEORIA	247	1000T	MSW TON	$67.37	TON	19.44	20	19.44	$1,309.67	$0.00		$0.00	$1,309.67
8/2/2019	1188699	0000794	1034748830	CITY OF PEORIA	247	1000T	MSW TON	$67.37	TON	11.79	20	11.79	$794.29	$0.00		$0.00	$794.29
8/2/2019	1188728	0000794	1034748830	CITY OF PEORIA	247	1000T	MSW TON	$67.37	TON	15.03	20	15.03	$1,012.57	$0.00		$0.00	$1,012.57
8/2/2019	1188755	0000794	1034748830	CITY OF PEORIA	247	1000T	MSW TON	$67.37	TON	13.9	20	13.9	$936.44	$0.00		$0.00	$936.44
8/2/2019	1188707	0000794	1034748830	CITY OF PEORIA	247	1000T	MSW TON	$67.37	TON	15.57	20	15.57	$1,048.95	$0.00		$0.00	$1,048.95
8/12/2019	1190657	0000794	1034748830	CITY OF PEORIA	247	1000T	MSW TON	$67.37	TON	13.85	20	13.85	$933.07	$0.00		$0.00	$933.07
8/12/2019	1190674	0000794	1034748830	CITY OF PEORIA	247	1000T	MSW TON	$67.37	TON	15.07	20	15.07	$1,015.27	$0.00		$0.00	$1,015.27
8/13/2019	1190728	0000794	1034748830	CITY OF PEORIA	247	1000T	MSW TON	$67.37	TON	14.22	20	14.22	$958.00	$0.00		$0.00	$958.00
8/13/2019	1190756	0000794	1034748830	CITY OF PEORIA	247	1000T	MSW TON	$67.37	TON	13.86	20	13.86	$933.75	$0.00		$0.00	$933.75
8/13/2019	1190797	0000794	1034748830	CITY OF PEORIA	247	1000T	MSW TON	$67.37	TON	14.2	20	14.2	$956.65	$0.00		$0.00	$956.65
8/13/2019	1190761	0000794	1034748830	CITY OF PEORIA	247	1000T	MSW TON	$67.37	TON	18.19	20	18.19	$1,225.46	$0.00		$0.00	$1,225.46
8/14/2019	1190463	0000794	1034748830	CITY OF PEORIA	247	1000T	MSW TON	$67.37	TON	15.04	20	15.04	$1,013.25	$0.00		$0.00	$1,013.25
8/20/2019	1191514	0000794	1034748830	CITY OF PEORIA	247	1000T	MSW TON	$67.37	TON	21.32	20	21.32	$1,436.33	$0.00		$0.00	$1,436.33
8/20/2019	1191532	0000794	1034748830	CITY OF PEORIA	247	1000T	MSW TON	$67.37	TON	20.38	20	20.38	$1,373.00	$0.00		$0.00	$1,373.00
8/26/2019	1191716	0000794	1034748830	CITY OF PEORIA	247	1000T	MSW TON	$67.37	TON	15.43	20	15.43	$1,039.17	$0.00		$0.00	$1,039.17
8/26/2019	1191749	0000794	1034748830	CITY OF PEORIA	247	1000T	MSW TON	$67.37	TON	12.96	20	12.96	$873.12	$0.00		$0.00	$873.12
8/26/2019	1191810	0000794	1034748830	CITY OF PEORIA	247	1000T	MSW TON	$67.37	TON	10.46	20	10.46	$704.68	$0.00		$0.00	$704.68
9/6/2019	1193095	0000794	1034748830	CITY OF PEORIA	247	1000T	MSW TON	$67.37	TON	6.89	20	6.89	$464.18	$0.00		$0.00	$464.18
9/6/2019	1193134	0000794	1034748830	CITY OF PEORIA	247	1000T	MSW TON	$67.37	TON	5.31	20	5.31	$357.73	$0.00		$0.00	$357.73
9/11/2019	1193857	0000794	1034748830	CITY OF PEORIA	247	1000T	MSW TON	$67.37	TON	18.45	20	18.45	$1,242.98	$0.00		$0.00	$1,242.98
9/11/2019	1193879	0000794	1034748830	CITY OF PEORIA	247	1000T	MSW TON	$67.37	TON	14.48	20	14.48	$972.15	$0.00		$0.00	$972.15
9/11/2019	1193888	0000794	1034748830	CITY OF PEORIA	247	1000T	MSW TON	$67.37	TON	15.38	20	15.38	$1,032.78	$0.00		$0.00	$1,032.78

9/11/2019	1193965	0000794	10347483008	CITY OF PEORIA	247	1000T	MSW TON	$67.37	TON	7.94	20	7.94	$534.92	$0.00		$0.00	$534.92
9/23/2019	1195242	0000794	10347483008	CITY OF PEORIA	247	1000T	MSW TON	$67.37	TON	15.65	20	15.65	$1,040.87	$0.00		$0.00	$1,040.87
9/23/2019	1195287	0000794	10347483008	CITY OF PEORIA	247	1000T	MSW TON	$67.37	TON	12.34	20	12.34	$831.35	$0.00		$0.00	$831.35
9/23/2019	1195343	0000794	10347483008	CITY OF PEORIA	247	1000T	MSW TON	$67.37	TON	11.77	20	11.77	$792.94	$0.00		$0.00	$792.94
9/24/2019	1195394	0000794	10347483008	CITY OF PEORIA	247	1000T	MSW TON	$67.37	TON	13.96	20	13.96	$940.49	$0.00		$0.00	$940.49
9/24/2019	1195414	0000794	10347483008	CITY OF PEORIA	247	1000T	MSW TON	$67.37	TON	13.56	20	13.56	$913.54	$0.00		$0.00	$913.54
9/24/2019	1195428	0000794	10347483008	CITY OF PEORIA	247244	1000T	MSW TON	$67.37	TON	13.5	30	13.5	$909.50	$0.00		$0.00	$909.50
9/24/2019	1195462	0000794	10347483008	CITY OF PEORIA	247244	1000T	MSW TON	$67.37	TON	11.67	30	11.67	$739.68	$0.00		$0.00	$739.68
9/24/2019	1195480	0000794	10347483008	CITY OF PEORIA	247244	1000T	MSW TON	$67.37	TON	9.75	30	9.75	$656.86	$0.00		$0.00	$656.86
10/1/2019	1197586	0000794	10347483008	CITY OF PEORIA	247244	1000T	MSW TON	$67.37	TON	16.03	30	16.03	$1,120.36	$0.00		$0.00	$1,120.36
10/1/2019	1197596	0000794	10347483008	CITY OF PEORIA	247244	1000T	MSW TON	$67.37	TON	18.72	30	18.72	$1,261.17	$0.00		$0.00	$1,261.17
10/1/2019	1197626	0000794	10347483008	CITY OF PEORIA	247244	1000T	MSW TON	$67.37	TON	17.42	30	17.42	$1,173.59	$0.00		$0.00	$1,173.59
10/1/2019	1197659	0000794	10347483008	CITY OF PEORIA	247244	1000T	MSW TON	$67.37	TON	12.62	30	12.62	$850.21	$0.00		$0.00	$850.21
10/11/2019	1197672	0000794	10347483008	CITY OF PEORIA	247244	1000T	MSW TON	$67.37	TON	9.56	30	9.56	$644.06	$0.00		$0.00	$644.06
10/14/2019	1197826	0000794	10347483008	CITY OF PEORIA	247244	1000T	MSW TON	$67.37	TON	11.55	30	11.55	$778.12	$0.00		$0.00	$778.12
10/14/2019	1197872	0000794	10347483008	CITY OF PEORIA	247244	1000T	MSW TON	$67.37	TON	11.97	30	11.97	$806.42	$0.00		$0.00	$806.42
10/16/2019	1198262	0000794	10347483008	CITY OF PEORIA	178	1000T	MSW TON	$67.37	TON	4.37	0	4.37	$294.41	$0.00		$0.00	$294.41
10/27/2019	1198332	0000794	10347483008	CITY OF PEORIA	247244	1000T	MSW TON	$67.37	TON	9.1	30	9.1	$613.07	$0.00		$0.00	$613.07
10/17/2019	1198394	0000794	10347483008	CITY OF PEORIA	247244	1000T	MSW TON	$67.37	TON	10.98	30	10.98	$739.72	$0.00		$0.00	$739.72
10/21/2019	1199143	0000794	10347483008	CITY OF PEORIA	247244	1000T	MSW TON	$67.37	TON	11.12	30	11.12	$749.15	$0.00		$0.00	$749.15
10/21/2019	1199144	0000794	10347483008	CITY OF PEORIA	247244	1000T	MSW TON	$67.37	TON	9.1	30	9.1	$613.07	$0.00		$0.00	$613.07
11/1/2019	1200691	0000794	10347483008	CITY OF PEORIA	247248	1000T	MSW TON	$67.37	TON	8.47	30	8.47	$570.62	$0.00		$0.00	$570.62
12/19/2019	1205644	0000794	10347483008	CITY OF PEORIA	160	1000T	MSW TON	$71.41	TON	4.52	5	4.52	$322.77	$0.00		$0.00	$322.77
12/19/2019	1205653	0000794	10347483008	CITY OF PEORIA	160	1000T	MSW TON	$71.41	TON	4	5	4	$285.64	$0.00		$0.00	$285.64
12/19/2019	1205660	0000794	10347483008	CITY OF PEORIA	160	1000T	MSW TON	$71.41	TON	3.58	5	3.58	$255.65	$0.00		$0.00	$255.65
12/19/2019	1205685	0000794	10347483008	CITY OF PEORIA	160	1000T	MSW TON	$71.41	TON	4.52	5	4.52	$322.77	$0.00		$0.00	$322.77
12/19/2019	1205712	0000794	10347483008	CITY OF PEORIA	160	1000T	MSW TON	$71.41	TON	3.98	5	3.98	$284.21	$0.00		$0.00	$284.21
12/19/2019	1205734	0000794	10347483008	CITY OF PEORIA	160	1000T	MSW TON	$71.41	TON	4.41	5	4.41	$314.92	$0.00		$0.00	$314.92
12/19/2019	1205744	0000794	10347483008	CITY OF PEORIA	160	1000T	MSW TON	$71.41	TON	4.88	5	4.88	$348.41	$0.00		$0.00	$348.41
12/20/2019	1205761	0000794	10347483008	CITY OF PEORIA	247	1000T	MSW TON	$71.41	TON	7.15	20	7.15	$509.15	$0.00		$0.00	$509.15
12/20/2019	1205784	0000794	10347483008	CITY OF PEORIA	160	1000T	MSW TON	$71.41	TON	4.23	5	4.23	$302.06	$0.00		$0.00	$302.06
12/20/2019	1205776	0000794	10347483008	CITY OF PEORIA	247	1000T	MSW TON	$71.41	TON	10.48	20	10.48	$748.38	$0.00		$0.00	$748.38
12/20/2019	1205801	0000794	10347483008	CITY OF PEORIA	247	1000T	MSW TON	$71.41	TON	13.28	20	13.28	$948.34	$0.00		$0.00	$948.34
12/20/2019	1205808	0000794	10347483008	CITY OF PEORIA	160	1000T	MSW TON	$71.41	TON	5.59	5	5.59	$399.18	$0.00		$0.00	$399.18
12/20/2019	1205820	0000794	10347483008	CITY OF PEORIA	247	1000T	MSW TON	$71.41	TON	14.02	20	14.02	$1,001.17	$0.00		$0.00	$1,001.17
12/20/2019	1205839	0000794	10347483008	CITY OF PEORIA	160	1000T	MSW TON	$71.41	TON	5.79	5	5.79	$413.46	$0.00		$0.00	$413.46
12/20/2019	1205851	0000794	10347483008	CITY OF PEORIA	247	1000T	MSW TON	$71.41	TON	13.95	20	13.95	$995.88	$0.00		$0.00	$995.88
12/20/2019	1205856	0000794	10347483008	CITY OF PEORIA	160	1000T	MSW TON	$71.41	TON	5.62	5	5.62	$401.32	$0.00		$0.00	$401.32
Material Total	165									2515.17	3645	2515.17	$168,886.97	$0.00		$0.00	$168,886.97
6/12/2019	1182838	0000794	10347483008	CITY OF PEORIA	247	1099T	MSW NO CHARGE TON	$0.00	TON	17.87	20	17.87	$0.00	$0.00		$0.00	$0.00
6/12/2019	1182838	0000794	10347483008	CITY OF PEORIA	247	1099T	MSW NO CHARGE TON	$0.00	TON	21.16	20	21.16	$0.00	$0.00		$0.00	$0.00
6/12/2019	1182840	0000794	10347483008	CITY OF PEORIA	247	1099T	MSW NO CHARGE TON	$0.00	TON	17.51	20	17.51	$0.00	$0.00		$0.00	$0.00
6/12/2019	1182841	0000794	10347483008	CITY OF PEORIA	146	1099T	MSW NO CHARGE TON	$0.00	TON	11.78	5	11.78	$0.00	$0.00		$0.00	$0.00
6/12/2019	1182842	0000794	10347483008	CITY OF PEORIA	247	1099T	MSW NO CHARGE TON	$0.00	TON	16.91	20	16.91	$0.00	$0.00		$0.00	$0.00
6/12/2019	1182843	0000794	10347483008	CITY OF PEORIA	160	1099T	MSW NO CHARGE TON	$0.00	TON	11.7	5	11.7	$0.00	$0.00		$0.00	$0.00

6/12/2019	1182644	0000794	103474883008	CITY OF PEORIA	146	1099T	MSW NO CHARGE TON	$0.00	TON	10.74	5	10.74	$0.00	$0.00	$0.00	$0.00
6/12/2019	1182645	0000794	103474883008	CITY OF PEORIA	160	1099T	MSW NO CHARGE TON	$0.00	TON	11.85	5	11.85	$0.00	$0.00	$0.00	$0.00
6/13/2019	1182646	0000794	103474883008	CITY OF PEORIA	160	1099T	MSW NO CHARGE TON	$0.00	TON	13.45	5	13.45	$0.00	$0.00	$0.00	$0.00
6/13/2019	1182647	0000794	103474883008	CITY OF PEORIA	160	1099T	MSW NO CHARGE TON	$0.00	TON	11.87	5	11.87	$0.00	$0.00	$0.00	$0.00
6/13/2019	1182648	0000794	103474883008	CITY OF PEORIA	160	1099T	MSW NO CHARGE TON	$0.00	TON	11.32	5	11.32	$0.00	$0.00	$0.00	$0.00
6/13/2019	1182649	0000794	103474883008	CITY OF PEORIA	160	1099T	MSW NO CHARGE TON	$0.00	TON	10.48	5	10.48	$0.00	$0.00	$0.00	$0.00
6/13/2019	1182650	0000794	103474883008	CITY OF PEORIA	146	1099T	MSW NO CHARGE TON	$0.00	TON	9.76	5	9.76	$0.00	$0.00	$0.00	$0.00
6/13/2019	1182651	0000794	103474883008	CITY OF PEORIA	140	1099T	MSW NO CHARGE TON	$0.00	TON	10.42	5	10.42	$0.00	$0.00	$0.00	$0.00
6/13/2019	1182652	0000794	103474883008	CITY OF PEORIA	146	1099T	MSW NO CHARGE TON	$0.00	TON	8.6	5	8.6	$0.00	$0.00	$0.00	$0.00
6/13/2019	1182653	0000794	103474883008	CITY OF PEORIA	160	1099T	MSW NO CHARGE TON	$0.00	TON	4.84	5	4.84	$0.00	$0.00	$0.00	$0.00
6/17/2019	1182748	0000794	103474883008	CITY OF PEORIA	146	1099T	MSW NO CHARGE TON	$0.00	TON	14.2	5	14.2	$0.00	$0.00	$0.00	$0.00
Material Total	17									214.46	145	214.46	$0.00	$0.00	$0.00	$0.00
10/16/2019	1198232	0000794	103474883008	CITY OF PEORIA	178	2000T	C&D TON	$70.92	TON	3.56	6	3.56	$252.48	$0.00	$0.00	$252.48
10/17/2019	1198370	0000794	103474883008	CITY OF PEORIA	247244	2000T	C&D TON	$70.92	TON	7.85	30	7.85	$556.72	$0.00	$0.00	$556.72
10/17/2019	1198397	0000794	103474883008	CITY OF PEORIA	247244	2000T	C&D TON	$70.92	TON	9.62	30	9.62	$682.25	$0.00	$0.00	$682.25
10/29/2019	1199789	0000794	103474883008	CITY OF PEORIA	247244	2000T	C&D TON	$67.37	TON	9.81	30	9.81	$660.90	$0.00	$0.00	$660.90
11/1/2019	1200022	0000794	103474883008	CITY OF PEORIA	247244	2000T	C&D TON	$67.37	TON	9.09	30	9.09	$612.39	$0.00	$0.00	$612.39
11/1/2019	1200035	0000794	103474883008	CITY OF PEORIA	247244	2000T	C&D TON	$67.37	TON	9.95	30	9.95	$670.33	$0.00	$0.00	$670.33
11/1/2019	1200070	0000794	103474883008	CITY OF PEORIA	247244	2000T	C&D TON	$67.37	TON	13.17	30	13.17	$887.26	$0.00	$0.00	$887.26
11/1/2019	1200102	0000794	103474883008	CITY OF PEORIA	247244	2000T	C&D TON	$67.37	TON	13.04	30	13.04	$878.50	$0.00	$0.00	$878.50
11/1/2019	1200128	0000794	103474883008	CITY OF PEORIA	247244	2000T	C&D TON	$67.37	TON	11.6	30	11.6	$781.49	$0.00	$0.00	$781.49
11/4/2019	1200310	0000794	103474883008	CITY OF PEORIA	247244	2000T	C&D TON	$67.37	TON	12.65	30	12.65	$852.23	$0.00	$0.00	$852.23
11/4/2019	1200340	0000794	103474883008	CITY OF PEORIA	247244	2000T	C&D TON	$67.37	TON	12.46	30	12.46	$839.43	$0.00	$0.00	$839.43
11/4/2019	1200355	0000794	103474883008	CITY OF PEORIA	247244	2000T	C&D TON	$67.37	TON	11.17	30	11.17	$752.52	$0.00	$0.00	$752.52
11/4/2019	1200375	0000794	103474883008	CITY OF PEORIA	247244	2000T	C&D TON	$67.37	TON	12.14	30	12.14	$817.87	$0.00	$0.00	$817.87
11/4/2019	1200419	0000794	103474883008	CITY OF PEORIA	247244	2000T	C&D TON	$67.37	TON	11.1	30	11.1	$747.81	$0.00	$0.00	$747.81
11/4/2019	1200439	0000794	103474883008	CITY OF PEORIA	247244	2000T	C&D TON	$67.37	TON	8.08	30	8.08	$544.35	$0.00	$0.00	$544.35
11/5/2019	1200478	0000794	103474883008	CITY OF PEORIA	247244	2000T	C&D TON	$67.37	TON	7.03	30	7.03	$473.61	$0.00	$0.00	$473.61
11/5/2019	1200498	0000794	103474883008	CITY OF PEORIA	247244	2000T	C&D TON	$67.37	TON	9.29	30	9.29	$625.87	$0.00	$0.00	$625.87
11/5/2019	1200536	0000794	103474883008	CITY OF PEORIA	247244	2000T	C&D TON	$67.37	TON	7.51	30	7.51	$505.95	$0.00	$0.00	$505.95
11/5/2019	1200564	0000794	103474883008	CITY OF PEORIA	247244	2000T	C&D TON	$67.37	TON	4.81	30	4.81	$324.05	$0.00	$0.00	$324.05
11/5/2019	1200601	0000794	103474883008	CITY OF PEORIA	247244	2000T	C&D TON	$67.37	TON	6.9	30	6.9	$464.85	$0.00	$0.00	$464.85
11/5/2019	1200632	0000794	103474883008	CITY OF PEORIA	247244	2000T	C&D TON	$67.37	TON	6.8	30	6.8	$458.12	$0.00	$0.00	$458.12
11/6/2019	1200683	0000794	103474883008	CITY OF PEORIA	247244	2000T	C&D TON	$67.37	TON	11.47	30	11.47	$772.73	$0.00	$0.00	$772.73
11/6/2019	1200705	0000794	103474883008	CITY OF PEORIA	247244	2000T	C&D TON	$67.37	TON	12.34	30	12.34	$831.35	$0.00	$0.00	$831.35
11/6/2019	1200769	0000794	103474883008	CITY OF PEORIA	247244	2000T	C&D TON	$67.37	TON	7.39	30	7.39	$497.86	$0.00	$0.00	$497.86
11/6/2019	1200790	0000794	103474883008	CITY OF PEORIA	247244	2000T	C&D TON	$67.37	TON	4.8	30	4.8	$323.38	$0.00	$0.00	$323.38
11/7/2019	1200824	0000794	103474883008	CITY OF PEORIA	247244	2000T	C&D TON	$67.37	TON	5.48	30	5.48	$369.19	$0.00	$0.00	$369.19
11/7/2019	1200857	0000794	103474883008	CITY OF PEORIA	247244	2000T	C&D TON	$67.37	TON	4.15	30	4.15	$279.59	$0.00	$0.00	$279.59
11/7/2019	1200874	0000794	103474883008	CITY OF PEORIA	247244	2000T	C&D TON	$67.37	TON	3.3	30	3.3	$222.32	$0.00	$0.00	$222.32
11/8/2019	1200957	0000794	103474883008	CITY OF PEORIA	247244	2000T	C&D TON	$67.37	TON	4.37	30	4.37	$294.41	$0.00	$0.00	$294.41
11/8/2019	1200981	0000794	103474883008	CITY OF PEORIA	247244	2000T	C&D TON	$67.37	TON	3.68	30	3.68	$247.92	$0.00	$0.00	$247.92
11/8/2019	1200995	0000794	103474883008	CITY OF PEORIA	247244	2000T	C&D TON	$67.37	TON	1.91	30	1.91	$128.68	$0.00	$0.00	$128.68
11/8/2019	1201038	0000794	103474883008	CITY OF PEORIA	247244	2000T	C&D TON	$67.37	TON	4.51	30	4.51	$303.84	$0.00	$0.00	$303.84

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11/8/2019	1201079	0000794	103474883008	CITY OF PEORIA	247244	2000T	C&D TON	$67.37	TON	2.18	30	2.18	$146.87	$0.00	$0.00	$146.87
11/15/2019	1201770	0000794	103474883008	CITY OF PEORIA	247244	2000T	C&D TON	$67.37	TON	5.14	30	5.14	$346.28	$0.00	$0.00	$346.28
11/15/2019	1201804	0000794	103474883008	CITY OF PEORIA	247244	2000T	C&D TON	$67.37	TON	2.9	30	2.9	$195.37	$0.00	$0.00	$195.37
11/18/2019	1202051	0000794	103474883008	CITY OF PEORIA	247244	2000T	C&D TON	$67.37	TON	7.44	30	7.44	$501.23	$0.00	$0.00	$501.23
11/18/2019	1202087	0000794	103474883008	CITY OF PEORIA	247244	2000T	C&D TON	$67.37	TON	9.68	30	9.68	$652.14	$0.00	$0.00	$652.14
11/18/2019	1202125	0000794	103474883008	CITY OF PEORIA	247244	2000T	C&D TON	$67.37	TON	9.63	30	9.63	$648.77	$0.00	$0.00	$648.77
11/19/2019	1202186	0000794	103474883008	CITY OF PEORIA	247244	2000T	C&D TON	$67.37	TON	8.21	30	8.21	$553.11	$0.00	$0.00	$553.11
11/19/2019	1202201	0000794	103474883008	CITY OF PEORIA	247244	2000T	C&D TON	$67.37	TON	7.23	30	7.23	$487.09	$0.00	$0.00	$487.09
11/19/2019	1202246	0000794	103474883008	CITY OF PEORIA	247244	2000T	C&D TON	$67.37	TON	13.27	30	13.27	$894.00	$0.00	$0.00	$894.00
11/19/2019	1202268	0000794	103474883008	CITY OF PEORIA	247244	2000T	C&D TON	$67.37	TON	11.11	30	11.11	$748.48	$0.00	$0.00	$748.48
11/20/2019	1202336	0000794	103474883008	CITY OF PEORIA	247244	2000T	C&D TON	$67.37	TON	10.72	30	10.72	$722.21	$0.00	$0.00	$722.21
11/20/2019	1202358	0000794	103474883008	CITY OF PEORIA	247244	2000T	C&D TON	$67.37	TON	8.97	30	8.97	$604.31	$0.00	$0.00	$604.31
11/20/2019	1202391	0000794	103474883008	CITY OF PEORIA	247244	2000T	C&D TON	$67.37	TON	11.37	30	11.37	$766.00	$0.00	$0.00	$766.00
11/20/2019	1202436	0000794	103474883008	CITY OF PEORIA	247244	2000T	C&D TON	$67.37	TON	10.23	30	10.23	$689.20	$0.00	$0.00	$689.20
11/20/2019	1202466	0000794	103474883008	CITY OF PEORIA	247244	2000T	C&D TON	$67.37	TON	8.02	30	8.02	$540.31	$0.00	$0.00	$540.31
11/21/2019	1202552	0000794	103474883008	CITY OF PEORIA	247244	2000T	C&D TON	$67.37	TON	15.92	30	15.92	$1,072.53	$0.00	$0.00	$1,072.53
11/21/2019	1202591	0000794	103474883008	CITY OF PEORIA	247244	2000T	C&D TON	$67.37	TON	7.56	30	7.56	$509.32	$0.00	$0.00	$509.32
11/21/2019	1202665	0000794	103474883008	CITY OF PEORIA	247244	2000T	C&D TON	$67.37	TON	12.17	30	12.17	$819.89	$0.00	$0.00	$819.89
11/21/2019	1202680	0000794	103474883008	CITY OF PEORIA	247244	2000T	C&D TON	$67.37	TON	6.44	30	6.44	$433.86	$0.00	$0.00	$433.86
11/25/2019	1203020	0000794	103474883008	CITY OF PEORIA	247244	2000T	C&D TON	$67.37	TON	12.48	30	12.48	$840.78	$0.00	$0.00	$840.78
11/25/2019	1203053	0000794	103474883008	CITY OF PEORIA	247244	2000T	C&D TON	$67.37	TON	8.8	30	8.8	$592.86	$0.00	$0.00	$592.86
11/25/2019	1203060	0000794	103474883008	CITY OF PEORIA	247244	2000T	C&D TON	$67.37	TON	7.81	30	7.81	$526.16	$0.00	$0.00	$526.16
11/26/2019	1203181	0000794	103474883008	CITY OF PEORIA	247244	2000T	C&D TON	$67.37	TON	9.52	30	9.52	$641.36	$0.00	$0.00	$641.36
11/26/2019	1203208	0000794	103474883008	CITY OF PEORIA	247244	2000T	C&D TON	$67.37	TON	10.39	30	10.39	$699.97	$0.00	$0.00	$699.97
11/26/2019	1203223	0000794	103474883008	CITY OF PEORIA	247244	2000T	C&D TON	$67.37	TON	6.84	30	6.84	$460.81	$0.00	$0.00	$460.81
11/26/2019	1203257	0000794	103474883008	CITY OF PEORIA	247244	2000T	C&D TON	$67.37	TON	9.96	30	9.96	$671.01	$0.00	$0.00	$671.01
11/26/2019	1203294	0000794	103474883008	CITY OF PEORIA	247244	2000T	C&D TON	$67.37	TON	7.93	30	7.93	$534.24	$0.00	$0.00	$534.24
11/27/2019	1203535	0000794	103474883008	CITY OF PEORIA	247244	2000T	C&D TON	$67.37	TON	10.09	30	10.09	$679.76	$0.00	$0.00	$679.76
11/27/2019	1203569	0000794	103474883008	CITY OF PEORIA	247244	2000T	C&D TON	$67.37	TON	14.83	30	14.83	$999.10	$0.00	$0.00	$999.10
11/27/2019	1203590	0000794	103474883008	CITY OF PEORIA	247244	2000T	C&D TON	$67.37	TON	12.19	30	12.19	$821.24	$0.00	$0.00	$821.24
11/27/2019	1203618	0000794	103474883008	CITY OF PEORIA	247244	2000T	C&D TON	$67.37	TON	8.79	30	8.79	$592.18	$0.00	$0.00	$592.18
12/3/2019	1203874	0000794	103474883008	CITY OF PEORIA	247244	2000T	C&D TON	$75.18	TON	13.52	30	13.52	$1,016.43	$0.00	$0.00	$1,016.43
12/3/2019	1203893	0000794	103474883008	CITY OF PEORIA	247244	2000T	C&D TON	$75.18	TON	15.29	30	15.29	$1,149.50	$0.00	$0.00	$1,149.50
12/3/2019	1203916	0000794	103474883008	CITY OF PEORIA	247244	2000T	C&D TON	$75.18	TON	14.09	30	14.09	$1,059.29	$0.00	$0.00	$1,059.29
12/3/2019	1203949	0000794	103474883008	CITY OF PEORIA	247244	2000T	C&D TON	$75.18	TON	14.07	30	14.07	$1,057.78	$0.00	$0.00	$1,057.78
12/4/2019	1203989	0000794	103474883008	CITY OF PEORIA	247244	2000T	C&D TON	$75.18	TON	13.93	30	13.93	$1,047.26	$0.00	$0.00	$1,047.26
12/4/2019	1204015	0000794	103474883008	CITY OF PEORIA	247244	2000T	C&D TON	$75.18	TON	15.49	30	15.49	$1,164.54	$0.00	$0.00	$1,164.54
12/4/2019	1204030	0000794	103474883008	CITY OF PEORIA	247244	2000T	C&D TON	$75.18	TON	13.68	30	13.68	$1,028.46	$0.00	$0.00	$1,028.46
12/4/2019	1204056	0000794	103474883008	CITY OF PEORIA	247244	2000T	C&D TON	$75.18	TON	10.19	30	10.19	$766.08	$0.00	$0.00	$766.08
12/4/2019	1204083	0000794	103474883008	CITY OF PEORIA	247244	2000T	C&D TON	$75.18	TON	8.34	30	8.34	$627.00	$0.00	$0.00	$627.00
12/4/2019	1204102	0000794	103474883008	CITY OF PEORIA	247244	2000T	C&D TON	$75.18	TON	10.81	30	10.81	$812.70	$0.00	$0.00	$812.70
12/5/2019	1204135	0000794	103474883008	CITY OF PEORIA	247244	2000T	C&D TON	$75.18	TON	12.26	30	12.26	$921.71	$0.00	$0.00	$921.71
12/5/2019	1204174	0000794	103474883008	CITY OF PEORIA	247244	2000T	C&D TON	$75.18	TON	10.79	30	10.79	$811.19	$0.00	$0.00	$811.19
12/5/2019	1204206	0000794	103474883008	CITY OF PEORIA	247244	2000T	C&D TON	$75.18	TON	11.85	30	11.85	$890.88	$0.00	$0.00	$890.88
12/5/2019	1204235	0000794	103474883008	CITY OF PEORIA	247244	2000T	C&D TON	$75.18	TON	11.79	30	11.79	$886.37	$0.00	$0.00	$886.37
12/18/2019	1205539	0000794	103474883008	CITY OF PEORIA	247244	2000T	C&D TON	$75.18	TON	9.03	30	9.03	$678.88	$0.00	$0.00	$678.88
12/18/2019	1205569	0000794	103474883008	CITY OF PEORIA	247244	2000T	C&D TON	$75.18	TON	8.66	30	8.66	$651.06	$0.00	$0.00	$651.06

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12/18/2019	1205582	0000794	103474883008	CITY OF PEORIA	247244	2000T	C&D TON	$75.18	TON	9.96	30	9.96	$703.68	$0.00	$0.00	$703.68
12/18/2019	1205606	0000794	103474883008	CITY OF PEORIA	247244	2000T	C&D TON	$75.18	TON	10.19	30	10.19	$766.08	$0.00	$0.00	$766.08
12/19/2019	1205640	0000794	103474883008	CITY OF PEORIA	247244	2000T	C&D TON	$75.18	TON	9.67	30	9.67	$726.99	$0.00	$0.00	$726.99
12/19/2019	1205649	0000794	103474883008	CITY OF PEORIA	247244	2000T	C&D TON	$75.18	TON	9.26	30	9.26	$696.17	$0.00	$0.00	$696.17
12/19/2019	1205664	0000794	103474883008	CITY OF PEORIA	247244	2000T	C&D TON	$75.18	TON	9.78	30	9.78	$735.26	$0.00	$0.00	$735.26
12/19/2019	1205678	0000794	103474883008	CITY OF PEORIA	247244	2000T	C&D TON	$75.18	TON	9.82	30	9.82	$738.27	$0.00	$0.00	$738.27
12/19/2019	1205696	0000794	103474883008	CITY OF PEORIA	247244	2000T	C&D TON	$75.18	TON	11.95	30	11.95	$898.40	$0.00	$0.00	$898.40
12/20/2019	1205782	0000794	103474883008	CITY OF PEORIA	160	2000T	C&D TON	$75.18	TON	4.5	5	4.5	$338.31	$0.00	$0.00	$338.31
12/23/2019	1206013	0000794	103474883008	CITY OF PEORIA	247244	2000T	C&D TON	$75.18	TON	11.62	30	11.62	$873.59	$0.00	$0.00	$873.59
12/23/2019	1206029	0000794	103474883008	CITY OF PEORIA	247244	2000T	C&D TON	$75.18	TON	12.62	30	12.62	$948.77	$0.00	$0.00	$948.77
12/23/2019	1206061	0000794	103474883008	CITY OF PEORIA	247244	2000T	C&D TON	$75.18	TON	11.19	30	11.19	$841.26	$0.00	$0.00	$841.26
12/23/2019	1206090	0000794	103474883008	CITY OF PEORIA	247244	2000T	C&D TON	$75.18	TON	9.16	30	9.16	$688.65	$0.00	$0.00	$688.65
12/23/2019	1206132	0000794	103474883008	CITY OF PEORIA	247244	2000T	C&D TON	$75.18	TON	8	30	8	$601.44	$0.00	$0.00	$601.44
12/23/2019	1206153	0000794	103474883008	CITY OF PEORIA	247244	2000T	C&D TON	$75.18	TON	8.51	30	8.51	$639.78	$0.00	$0.00	$639.78
12/24/2019	1206188	0000794	103474883008	CITY OF PEORIA	247244	2000T	C&D TON	$75.18	TON	10.35	30	10.35	$778.61	$0.00	$0.00	$778.61
12/24/2019	1206206	0000794	103474883008	CITY OF PEORIA	247244	2000T	C&D TON	$75.18	TON	10.09	30	10.09	$758.57	$0.00	$0.00	$758.57
12/24/2019	1206218	0000794	103474883008	CITY OF PEORIA	247244	2000T	C&D TON	$75.18	TON	9.29	30	9.29	$698.42	$0.00	$0.00	$698.42
12/24/2019	1206236	0000794	103474883008	CITY OF PEORIA	247244	2000T	C&D TON	$75.18	TON	7.54	30	7.54	$566.86	$0.00	$0.00	$566.86
12/26/2019	1206285	0000794	103474883008	CITY OF PEORIA	247244	2000T	C&D TON	$75.18	TON	12.29	30	12.29	$923.96	$0.00	$0.00	$923.96
12/26/2019	1206815	0000794	103474883008	CITY OF PEORIA	247244	2000T	C&D TON	$75.18	TON	11.31	30	11.31	$850.29	$0.00	$0.00	$850.29
12/26/2019	1206963	0000794	103474883008	CITY OF PEORIA	247244	2000T	C&D TON	$75.18	TON	9.06	30	9.06	$681.13	$0.00	$0.00	$681.13
12/26/2019	1206897	0000794	103474883008	CITY OF PEORIA	247244	2000T	C&D TON	$75.18	TON	7.71	30	7.71	$579.64	$0.00	$0.00	$579.64
12/27/2019	1206449	0000794	103474883008	CITY OF PEORIA	247244	2000T	C&D TON	$75.18	TON	12.86	30	12.86	$966.81	$0.00	$0.00	$966.81
Material Total	102									968.75	9005	968.75	$68,618.76	$0.00	$0.00	$68,618.76
Customer Total	284									3698.38	6295	3698.38	$238,505.73	$0.00	$0.00	$238,505.73
Ticket Totals	284									3698.38	6295	3698.38	$238,505.73	$0.00	$0.00	$238,505.73

Customer Summary Report
Criteria: 01/01/2019 12:00 AM to 12/31/2019 11:59 PM
Business Unit Name: Peoria City/County Landfill - S04833 (USA)
User: bhofer
Date: Feb 04 2020, 1:48:36 PM - Central Standard Time
Operation Type: All
Customer Name: CITY OF PEORIA (DRIES LN) (CITY OF PEORIA)
Ticket Type: All
Customer Type: All
PMT Category: All
Profile:

Internal Customer	Loads	Yards	Tons	Total Ticket Amount

Customer Summary Report
Criteria: 01/01/2019 12:00 AM to 12/31/2019 11:59 PM
Business Unit Name: Peoria City/County Landfill - S04833 (USA)
User: bhofer
Date: Feb 04 2020, 1:48:36 PM - Central Standard Time
Operation Type: All
Customer Name: CITY OF PEORIA (DRIES LN) (CITY OF PEORIA)
Ticket Type: All
Customer Type: All
PMT Category: All
Profile:

External Customer	Loads	Yards	Tons	Total Ticket Amount
CITY OF PEORIA	284	6295	3698.38	$238,505.73

APPENDIX H - 2019 SWU CAPITAL PROJECTS

AHumboldt-Prospect Wall (2014 Photo)
B

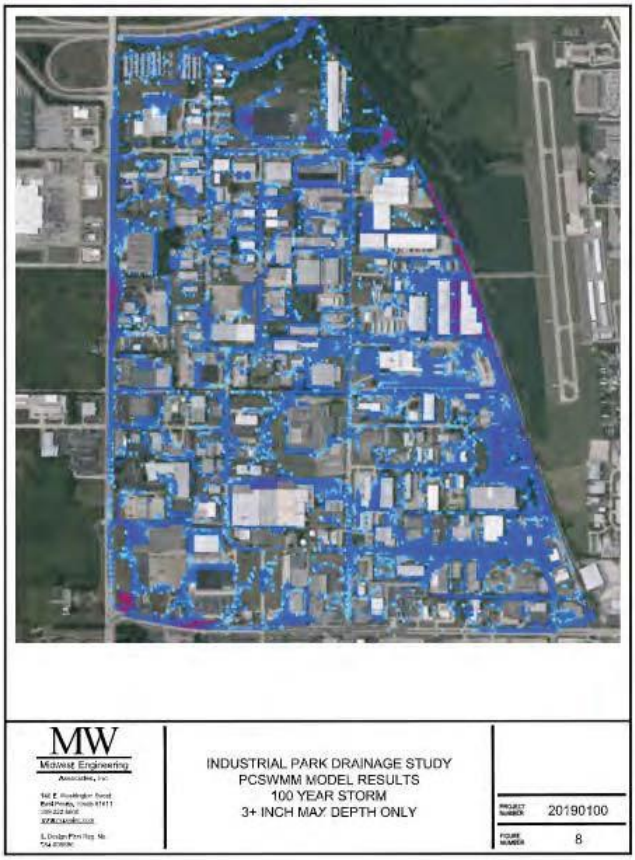
The concrete wall at Prospect and Humboldt, which has multiple storm sewer outfalls, has deteriorated. This project will extend the existing storm sewers; add a new wall in front of the existing wall and backfill around the old wall. The City hired a consultant, Maurer Stutz, in 2019 to evaluate the wall. Plans and bidding documents were completed in early 2020 and the project was bid in February 2020.
Prospect Humboldt wall before construction of the improvements

CTeton drive Neighborhood Culvert Replacement 2019 Project
D

The bike trail crossing Teton between Patton Lane and Manning Drive as well as the businesses and homes in the area experienced periodic flooding. In 2018, a consultant, Farnsworth, completed a drainage analysis, which identified three culverts with capacity issues. The Teton project increased the capacity of the three culverts. These improvements should help reduce flooding. The study also evaluated the downstream channel to ensure that it has the capacity to accept the additional runoff from the culvert improvements. The construction started in 2019 and wrapped up with seeding and completion of the punch list items in 2020. One of the outfalls after construction was completed

Watershed Drainage Analysis

The city hired a consultant, Midwest Engineering, in 2019 to perform the Hydrologic and Hydraulic Analysis for the Industrial park. Midwest completed the study in 2020. The study limits are from Knoxville to Allen from Pioneer Parkway to Route 6. Analysis showed that the storm sewer system was functional to current design standards everywhere except near 1409 W Altorfer Dr. This location the pipe through private property is not functioning to current design standards. The next step for this project is to determine ownership/responsibility for the pipe on private property.
The recommended solution is to relocate the pipe to the property line and to get easements to the City for the new storm sewer and make it part of the City system.



Industrial Park Drainage Study 2019

Annual Report

City of Peoria Public Works
Project I.D. 19P301.00

January 2020

2314 West Altorfer Drive Peoria, IL 61615
(309) 691-5300 • Fax: (309) 691-1892
www.foth.com
January 23, 2020

Andrea Klopfenstein City of Peoria Public Works
Dear Ms. Klopfenstein:
RE:2019 Storm Sewer Repair Program

Attached you will find the 2019 Annual Storm Sewer Repair Contract (ARC) and Annual Storm Sewer Lining Contract (ALC) work summary for the time period that Foth Infrastructure & Environment, LLC (Foth) oversaw construction. Foth was tasked to manage the construction projects starting September 1, 2019 while the City is seeking additional internal staff. Shortly after that time, an extended and large storm event occurred at the end of September into October that altered the direction of the repair program. Many locations had excessive erosion and failures that required immediate attention and some lower severity issues were held over until 2020 construction season.

J.C. Dillon, Inc. (Dillon) was previously selected by the City of Peoria to complete the construction work for both contracts and from September 2019 through December 2019, over
$406,500 was completed on ARC projects and nearly $130,000 completed on ALC projects. Dillon was awarded an extension of their contract with the City of Peoria for 2020 work.
In 2020, Foth will work with Dillon to estimate held over and backlogged project and develop a 6 to 9-month construction schedule. The approved 2020 construction budgets for ARC and ALC are $550,000 and $200,000, respectively. Dillon is required by contract to spend 50% of the approved budgets in the ARC and ALC projects by June 30, 2020.
Sincerely,
Foth Infrastructure & Environment, LLC

Joshua C Gabehart, P.E.Sarah L Ramsey
Lead Environmental EngineerAdministrative Assistant
Licensed in IL, IA, AR, GA

Annual Report for City of Peoria

Project ID: 19P301.00

Prepared for

City of Peoria

3505 N Dries Lane
Peoria, IL 61604

Prepared by

Foth Infrastructure & Environment, LLC

January 2020

2314 West Altorfer Drive • Peoria, IL 61615 • (309) 691-5300 • Fax: (309) 691-1892 • www.foth.com

Introduction
Foth is pleased be working with the City of Peoria on these two projects again. From September through December, ten ALC projects and twelve ARC projects were completed. The total budget spent on ARC projects was $507,982.81 of an approved $520,000 budget. The 2019 work order summary and 2019 pay application summary is in the Tables Section of this report.

The total budget spent on ALC projects was $152,281.51 of an approved $170,000 budget. The 2019 work order summary and 2019 pay application summary is in the Tables Section of this report.

Foth's efforts in 2019 included site investigation, program management, construction observation, and end of year reporting. Additionally, 2020 construction planning was conducted to develop a draft work schedule for Dillon. Many projects were held over due to higher severity erosion and failures caused by the late fall storm at the end of September and beginning of October. More detail of the identified projects is included in later sections.

Annual Repair Contract
The 2019 Annual Storm Sewer Repair Contract consisted of inspecting, repairing and replacing storm sewer infrastructure at locations throughout the City of Peoria and the 2019 approved construction budget was $520,000. The City of Peoria has maintained this project for several years to great success. It is bid on a unit cost basis and evaluated on a theoretical base bid project. J.C. Dillon Inc. was awarded the most recent bidding for 2019, and they were awarded a one year extension of the contract in December of 2019 for $550,000.

Foth was tasked with managing the construction work in September 2019 and some projects had already been completed, therefore, some of the work order information is not included in this report. Project descriptions are based on information provided to Foth and Foth's investigations. If further detail on these projects is required, Foth can work with City staff to provide it.

The following summary is for work orders generated during 2019. Some work orders did not get completed due to other projects taking precedence. In 2020, a new work order will be issued to Dillon to complete held over work and new locations.

1.1 Work Order 19-01
Cost $ 18,176.87
This project was completed in July and before Foth managed the work. At 6211 N Jamestown Rd., rip rap was added to the outfall area of the pipe and stabilized area.

1.2 Work Order 19-02
Cost $ NIA
Project not completed in 2019 and is planned for 2020. 6806 N Aycliffe Dr. Location is behind the property where the intake pipe is. Area is reported often to be clogged with debris.

1.3 Work Order 19-03
Cost $ 48,640.24

This project was completed before Foth managed construction and was near 201 W Ravinswood Rd. Work included repairing outfall regrade and add rip rap.

1.4 Work Order 19-04

Cost $ 8,759.33

This project was completed in July and before Foth managed the work. At 6601 N Post Oak Rd., a sinkhole developed in the backyard and included televising and repairing the pipe.

1.5 Work Order 19-05

Cost $ 4,788.78

This project was completed before Foth managed construction and a carry over restoration work from 2018. It was near 4609 and 4610 N Clarewood Ave. and grass is not establishing. Placed soil, seed and fertilizer.

1.6 Work Order 19-06

Cost $ N/A

Project not completed in 2019 and is planned for 2020. E Reservoir Blvd. and N Harmon Ave. Grade a new rip rap ditch along the south side of Reservoir and add additional RR2 rip rap further west to protect the road and create a ditch for low point.

1.7 Work Order 19-07

Total Cost $89,070.86

Phase 2 of N. Clarewood Ave project. Drainage project from N Woodview to N Laurel as per plans. Included storm sewer, manholes, curb and gutter, and restoration.

1.8 Work Order 19-08

Cost $ 8,218.52

Repair of a 21" diameter storm sewer in the outside northbound lane of Sheridan Road at the intersection with Glen Avenue. Repair was made with a cured-in-place product installed as a point repair with access from the nearest manhole.

1.9 Work Order 19-09

Cost $ NIA

Project not completed in 2019 and is planned for 2020. 925 Bridgetowne Ct. construct ditch across new easement. Project on hold until easement completed and new year.

1.10 Work Order 19-10

Cost $ NIA

Project not completed in 2019. 4611 W Sable Way project replaces existing grate with a low-profile open grate and fill area with clean white rock (3 inch to 4 inch) to meet existing grade. Manhole is located in back along property line. Foth to review project for 2020 schedule and severity.

1.11 Work Order 19-11

Cost $ 103,403.39

The work at 4208 Timber Circle was on unimproved City ROW and included three projects after construction started. The initial project was to install inlets at the end of pavement on Rouese Ave. and direct to an existing structure in ROW and reline outfall piping from that structure.

Upon further inspection, the outfall piping was damage so that ling was not an option. In lieu of lining, a drop structure and rip rap was placed to finish the storm water system. While onsite, an outfall across the ravine from Timber Circle to the south was observed unsupported and eroded of soil. The only access to that would have been from our current project site so soil and riprap was installed around the outfall while construction crews were onsite. Site was restored with sod and recycled asphalt millings in the driveway.

1.12 Work Order 19-12
Cost $ 11,298.50

1524 W Marlene Ave. Install rip rap along back side of tail wall and reinstall fencing.

1.13 Work Order 19-13
Cost $ NIA

Project not completed in 2019 and is planned for 2020. Along Greenleaf, water runoff from hillside and streets causes icing issues. Install drainage along the back of curb at the north side of Greenleaf and drain to the inlet.

1.14 Work Order 19-14
Cost $ 12,002.55

4237 Boulevard. Remove and replace existing culvert under Boulevard that has failed.

1.15 Work Order 19-15
Cost $ 15,111.85

N Sommer St. Clean and CCTV Storm Sewer piping, manholes, and inlets to develop a plan to repair storm sewer manholes in Sommer. This area is part of a larger drainage study but 2019 work included repairing damaged manhole lids and frames until future direction from watershed study.

1.16 Work Order 19-16
Cost $ N/A

Project not completed in 2019 and is planned for 2020. At 4734 W Pendleton Pl. there is large erosion around the outfall and eroded homeowners fence and property. There is an easement to above piping but not for the outfall area. Will work for construction/temporary easement to improve discharge location.

1.17 Work Order 19-17
Cost $
Project not completed in 2019 and is planned for 2020. Near 1614 Lake Ave, there is debris and overgrowth around outfall piping. Erosion has occurred along streambank and causing potential issues to home if continues. Will need direction from structural engineer to advise the contractor. Energy dissipater on outfall apron has also broken and needs fixed.

1.18 Work Order 19-18
Cost $ NIA
City requested Foth and Dillon investigate this location at end of Knollwood Ct. It was determined that City staff will complete the work and this was removed from the project list.

1.19 Work Order 19-19
Cost $ 104,156.79

The area just north W Teton Dr on N University St. had extreme erosion caused by late fall storm. Erosion caused by blocked inlet upstream and ultimately overflowing curb and gutter along University. Several erosion pathways occurred in the back of 1515 Teton Dr.'s property that needed repaired. Trees and soils were removed as needed to reach undisturbed soil and soil was stepped back into hillside in lifts. Soil was compacted and toe had large RR5 riprap installed. An "overflow" channel of riprap was installed along N. University to cover potential of future issues and piping replaced from existing manholes.

1.20 Work Order 19-20
Cost $ 46,158.61

Near 1410 W WestAire Ave. extreme erosion from the late fall storm caused a tree to fall removing large amounts of soil. The tree was removed by city staff and Dillon crews built back soil in lifts and stepped into slope. Fencing along creek needs replaced and GPSD structure may need additional protection. GPSD was made aware of issue.

1.21 Work Order 19-21
Cost $ 20,337.86

The late fall storm caused erosion near 7127 N Fox Point Dr. from overflowing structures. Soil and rip rap were added to the eroded area.

1.22 Work Order 19-22
Cost $ 771.63 partial

Late fall storm caused sinkhole to occur at 5015 N Mansfield Dr. CCTV inspection of 12 inch cmp between 5015 and 5019 showed damaged pipe under deck. Dillon filled in hole and prepared for lining pipe.

1.23 Work Order 19-23
Cost $ NIA
Part of late fall storm and will be completed in 2020 near Monroe and Abington. Erosion along roadway that needs debris removed and soil placed.

1.24 Work Order 19-24
Cost $ NIA

On hold from 2019 and will be installed in 2020 near Barburry Ct. The site has plans that city is reviewing and will have Dillon quote in 2020.

1.25 Work Order 19-25
Cost $ 785.31

Inspection work near Wilcox and Isabell.

1.26 Work Order 19-26

Cost $ 4,236.23

Televising and locating storm sewers northwest of the intersection of Sheridan and Glen. Piping goes under structure and potentially part of another project. City is handling design at this time.

Annual Lining Contract
The 2019 Annual Storm Sewer Lining Contract consisted of inspecting, repairing and replacing storm sewer infrastructure at locations throughout the City of Peoria and the 2019 approved lining budget was $150,000. The City of Peoria has maintained this project for several years to great success. It is bid on a unit cost basis and evaluated on a base bid project. J.C. Dillon Inc. was awarded the most recent bidding for 2018, and they were awarded a year extension of the contract in December of 2019 for $200,000.

Foth was tasked with managing the construction work in September 2019 and a majority of the site investigation and selection had already occurred. Some lining projects were completed at that time and some of the work order information is not included. Additionally, photographs are not as readily available for the lining projects. Further detail on these projects can be provided by City of Peoria Staff but the information below is from work order summaries.

The following summary is for work orders generated during 2019. Some work orders did not get completed due to other projects taking precedence and budget constraints. In 2020, a new work order will be issued to Dillon to complete held over work.

2.1 Work Order 19-01
Cost $ NIA
1028 W Nassau Dr. Line 18 inch CMP for 175 feet was pulled off of lining contract and moved to ARC project list.

2.2 Work Order 19-02 (18-07)
Cost $ 2,726.96

10323 N North Forest Trail. Line 15 inch corrugate metal pipe of about 40 feet length total. Clean culvert ends.

2.3 Work Order 19-03
Work Order 19-03 (18-08)
Cost $ 8,745.44

6517 N Sheridan Rd. Line 18 inch corrugated metal pipe of about 120 feet total length. Lining will need to be done after repairs to pipe are made.

2.4 Work Order 19-03
Work Order 19-04
Cost $ 5,540.16

Golden Oaks. Install 65.3 feet of 12" liner in existing CMP.

2.5 Work Order 19-05
Cost $ 12,146.19

Thousand Oaks Ct. Install 146.9 feet of 12" liner in existing CMP.

2.6 Work Order 19-06
Cost $ NIA

W Ravinswood Dr and Thousand Oaks Dr. Proposed install of 125 feet of 15" liner in 2020.

2.7 Work Order 19-07
Cost $ 13,318.88

2828 Knollwood Ct. Install 153.7 feet of 15" liner from manhole to outfall.

2.8 Work Order 19-08
Cost $ 29,323.32

4317 W Rockwell Dr. Install 237.4 feet of 24" liner from inlet to ending point.

2.9 Work Order 19-09
Cost $ N/A

4237 N Boulevard. Removed from ALC for point repair/replace as part of ARC.

2.10 Work Order 19-10
Cost $ 11,081.56

6601 N Post Oak Road. Install 107.0 feet of 21 inch liner in an existing CMP.

2.11 Work Order 19-11
Cost $ 12.042.16

2214 W. Mackinac Ct. Install 145.6 feet of 12" liner in existing CMP

2.12 Work Order 19-12
Cost $ 18,947.84

2716 N Woodbine Tr. Line the outfall pipe around outfall. Install 134 feet of liner in existing pipe.

2.13 Work Order 19-13
Cost $ 20,429.24

1804 W High St. Line outfall pipe at the east side. Install 255.6 feet of 10" liner in existing pipe.

2.14 Work Order 19-14 (18-06)
Cost $11,129.96

6443 N Post Oak Rd. Install 170.60 feet of 15" liner in existing CMP.

2.15 Work Order 19-15
Cost $ 6,849.80

5916 Tampico Dr. Install 77.6 feet of 15" liner in existing CMP.

2.16 Work Order 19-16
Cost $ N/A

1517 Teton Dr. Project on hold until 2020.

2.17 Work Order 19-17
Cost $ N/A
7121 N Manning Dr. Needs a point repair/add manhole and moved to ARC project list.

2020 Work

As stated previously, a large storm event at the end of September altered the direction of the ARC and ALC project priorities. From September to December, over $406,500 was completed on ARC projects and nearly $130,000 completed on ALC projects. Many project locations were put on hold until emergency repairs could be completed and will continue into 2020.

In 2020, Foth will work with Dillon to estimate holdover and backlogged projects and develop a six to nine month schedule. The approved 2020 construction budgets for ARC and ALC are $550,000 and $200,000, respectively. Dillon is required by contract to spend 50% of the approved budgets in the ARC and ALC projects by June 30, 2020.

At this time, ten new ARC projects and three ALC projects have been added to the 2020 plan and more are expected. Foth is working through old project lists from 2017 and 2018 and evaluating severity of projects remaining on the backlog. Additional project locations continue to arise and are added to the potential project list. Foth plans to have the work plan ready for when and if the City of Peoria hires a new staff member to manage the project again.

2019 ARC Stormwater Repairs

Updated on: 1/20/2020
2019 Budget $520,000.00
Engineering

Current Invoice
Past Invoices

WO#	Location	Estimated Cost	Work Order Estimate	Status	Completed and/or Invoiced Cost	Comments
19-01	6211 N Jamestown Rd	$ 22,780.40	yes	PA4	*$ 18,176.87*	
19-02	6806 N Aycliffe Dr			On Hold		Intake pipe looks clear, may need to check back
19-03	201 W Ravinwoods Rd	$ 37,281.07	yes	PA1, PA2	*$ 48,640.24*	
19-04	6601 N Post Oak Rd	$ 7,863.10	yes	PA4	*$ 8,759.33*	
19-05	N Clarewood Ave Restoration Work	$ 3,357.65	yes	PA1	*$ 4,788.78*	
19-06	Reservoir and Harmon	hold	yes	hold		rip rap on bank needed, hold 2936.82
19-07	N Clarewood Ave Phase 2 Work	$ 112,538.92	yes	PA 5, PA 6, PA 7, PA 8	*$ 89,070.86*	Complete
19-08	Lake and Sheridan	$ 8,175.00	yes	PA3	*$ 8,218.52*	
19-09	925 Bridgetowne Ct	hold		on hold		Project on hold until easement completed, Hanson working on this
19-10	4611 W Sable Way	hold		on hold		Hold for future work
19-11	4208 Timber Cir	$ 101,575.73	yes	Complete	*$ 103,403.39*	plan provided by Pub Works, will install 2 inlets and tie into existing. Line that inlet to outfall. Will grade driveway for better draingage to existing inlet. The project jumped to a second project that was originally only going to be a lining to the outfall. Had to remove a broken structure, broken pipe and place outfall rip rap on this outfall and across ravine. Not just original project estimate from Bill and Tom Z.
19-12	1524 W Marlene Ave	hold	Need from JCD	PA9	*$ 11,298.50*	worse with 9/27 storm,fence failing and erosion around wall.
19-13	Greenleaf	hold	Need from JCD	needs estimate		Bd icing over winter, needs after others.
19-14	4237 Boulevard	$ 10,025.52	yes	Complete	*$ 12,002.55*	
19-15	N. Sommer	$ 18,528.84	yes	PA 8, PA 9	*$ 15,111.85*	Manhole cave in, need to look at integrity and watershed study, just repairs to manholes rightnwo
19-16	4734 W. Pendleton PL	hold		hold		potential outfall clean up
19-17	1614 Lake Ave	hold		hold		debris clean up
~~19-18~~	~~Knollwood Ct~~	~~hold~~		~~hold~~		~~Resident at end of Cul-De-Sac. City to hire MPS to topo cul-de-sac for placement and need of inlet, REMOVE NOT ARC, City Staff to complete~~
19-19	Teton and N. University	$ 95,186.45	yes	PA7, PA9, PA10	*$ 104,156.79*	Progress payment through 10/31, will inlcude final matting, concrete and other restoration. Some work to be completed in 2020
19-20	1400 Westaire	$ 39,705.01	yes	PA7	*$ 46,158.61*	
19-21	7127 N Fox Point Dr	$ 24,025.93	yes	PA10	*$ 20,337.86*	
19-22	5015 N. Mansfield	$ 771.63	Partial	PA11	*$ 12,837.12*	sinkhole in backyard near dec, goes out of inlet as 12" CMP but outfall is 6" PVC? Televise
19-23	Monroe & Abington					
19-24	Barburry Ct					
19-25	Wilcox & Isabell	$ 785.31		PA8	*$ 785.31*	Tom request?
19-26	glen and Sheiridan		emergency	PA10	*$ 4,236.23*	Investigate collapsed and other areas of intersection

Total	**$ 482,600.56**	$507,982.81
Total Budget Minus Estimated	$37,399.44	

Total Expenditure	**$507,982.81**
Total Budget	**$520,000.00**
Budget Remaining	**$12,017.19**

2019 Lining Contract

Updated on: 11/15/2019
2018 Budget $170,000.00
Engineering $20,000.00 Current Invoice
Past Invoices

WO#	Location	Estimated Cost	Estimated Cost	Completed and/or Invoiced Cost	Status	Comments
~~19-01~~	~~1028 W Nassau Dr~~				~~Needs Point Repair~~	~~pull off for now 24932.3~~
19-02	10323 N North Forest Trail (18-07)	$ 5,038.06		*$ 2,726.96*	PA 4	
19-03	6517 N Sheridan Rd (18-08)	$ 9,567.61		*$ 8,745.44*	PA 4	
19-04	Golden Oaks	$ 7,826.97		*$ 5,540.16*	PA 6	
19-05	Thousand Oaks Ct	$ 13,415.28		*$ 12,146.19*	PA 6	
19-06	W Ravinswood Dr and Thousand Oaks Dr		$ 15,000.00			need to check last 40 feet with camera, submerged in original, and check road crossing, orignal estime 9542.47
19-07	2828 Knollwood Ct	$ 12,094.41		*$ 13,318.88*	PA 5	
19-08	4317 W Rockwell Dr	$ 21,779.24		*$ 29,323.32*	PA 5	
~~19-09~~	~~4237 N Boulavard~~					~~Pull off of this contract, will be a repair and part of ARC~~
19-10	6601 N Post Oak	$ 11,665.36		*$ 11,081.56*	PA 5	
19-11	2214 W Mackinac Ct	$ 12,126.76		*$ 12,042.16*	PA 6	
19-12	2716 N Woodbine Tr	$ 16,376.66		*$ 18,947.84*	PA 6	
19-13	High St 1804 W	$ 20,639.80		*$ 20,429.24*	PA 6	
19-14	6443 N Post Oak Rd (18-06)	$ 11,129.96		*$ 11,129.96*	PA 4	
19-15	5916 Tampico Dr	$ 9,637.00		*$ 6,849.80*	PA 6	
19-16	1517 Teton Drive		$ 29,652.10		estimate	
19-17	7121 N Manning Dr		$ 16,049.48		not completed	Needs a point repair/add manhole.
19-18						

Total	**$ 151,297.11**	$60,701.58	*$152,281.51*	
Total Budget Minus Estimated	-$1,297.11		-$2,281.51	
			Total Expenditure	**$152,281.51**
			Total Budget	**$150,000.00**
			Budget Remaining	**-$2,281.51**

Annual Storm Sewer Repair Contract 2019 Date: 1/30/2020

2019 Construction Budget Review			
Description	Funding	Invoiced	Remaining Budget
2019 Annual Repair Contract Budget	$520,000.00	$507,982.81	$12,017.19
Total Budget	$520,000.00	$507,982.81	$12,017.19

Previously Invoiced Work Orders (2019)		
Work Order	Location	Cost $
Payment #1		
19-03	E Ravinswood	$ 47,583.80
19-05	W Clarewood	$ 4,788.78
Payment #2		
19-03	201 Ravinswood	$ 1,056.44
Payment #3		
19-08	Lake & Sheridan	$ 8,218.52
Payment #4		
19-01	Jamestown Rd	$ 18,176.87
19-04	Post Oak Rd.	$ 8,759.33
Payment #5		
19-10	Clarewood Phase 2, Pay App 1	$ 74,795.51
19-14	4237 Boulevard Ave	$ 12,002.55
Payment #6		
19-10	Clarewodd Phase 2, Pay App 2	$ 2,240.47
19-11	4208 Timber Circle	$ 103,403.39
Payment #7		
19-20	1410 West Aire	$ 46,158.61
19-10	Clarewood Phase 2, Pay App 3	$ 3,157.70
Payment #8		
19-10	Clarewood Phase 2, Pay App 4	$ 8,877.18
19-15	Sommer St	$ 3,157.70
19-19	N University at Teton pay app 1	$ 100,960.90
19-25	Wilcox and Isabell	$ 785.31
Payment #9		
19-19	N University	$ 2,020.96
19-12	1524 W. Marlene	$ 11,298.50
19-15	N. Sommer	$ 11,954.15
Payment #10		
19-19	N University	$ 1,174.93
19-21	Fox Point Dr	$ 20,337.86
19-26	Sheridan and Glen	$ 4,236.23
	Total Previously Invoiced	**$ 495,145.69**

Current Invoice #6		
Work Order	Location	Cost $
Payment #11		
19-22	5015 N Mansfield	$ 12,837.12
TOTAL - Payment (11)		**$12,837.12**

N1901 City Project Number
S18001 use old funds first

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Created: JCG
Checked: SLR

Lining Contract 2019 Date: 11/15/2019

2019 Construction Budget Review			
Description	Funding	Invoiced	Remaining Budget
2019 Lining Contract Budget	$170,000.00	$152,281.51	$17,718.49
Total Budget	$170,000.00	$152,281.51	$17,718.49

Previously Invoiced Work Orders (2018)		
Work Order	Location	Cost $
Payment 4	**6/29/2019**	
18-06	6443 N Post Oak	$ 11,129.96
18-07	10323 N Forrest Trail	$ 2,726.96
18-08	6517 N Sheridan Rd	$ 8,745.44
Pay App 5		
19-07	2828 Knollwod Ct	$ 13,318.88
19-08	4317 W. Rockwell	$ 29,323.32
19-14	6601 N. Post Oak Rd	$ 11,081.56

Total- Previously Invoiced	**$76,326.12**

Current Pay Applicaion 6		
Work Order	Location	Cost $
19-04	Golden Oaks	$ 5,540.16
19-05	Thousand Oaks Ct	$ 12,146.19
19-11	2214 W. Mackinac Ct	$ 12,042.16
19-12	2716 Woodbine	$ 18,947.84
19-13	1804 High St	$ 20,429.24
19-15	5916 Tampico	$ 6,849.80

TOTAL - Current Invoice	**$75,955.39**

City Project Numbers

S18001 Drainage Repair Program

N1901 Drainage Repair Program